# THE FREE PRESS, LONDON, ONTARIO, SATURDAY. AUGUST 30. 1924.

MOTOR CAR SERVICE DEPARTMENT



Worth Remembering. When removing spring shackles, it is only slow up a car, but also fail to give good policy to run a pipe cleaner or a a normal life. There are any number Niece of wire through the lubrication ecess to remove all foreign substances and old grease

VALUABLE ADVICE

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An Easy and Effective Remedy. trankcase through the bolt holes, back grease will melt from the heat on the To prevent oil leaking out of the off the studs a quarter of an inch or so, and then wind several turns of cotton twine around the bolts

#### Knocks In the Engine.

A deep, heavy pounding is caused by too much advanced spark, overheated cylinders, over-advanced timer, particles of carbon in the cylinder, or ignition chamber becoming overheated.

### Some Causes of "Spitting."

A sticking float in the tank, an air If this does not remove the stain, proleak in the line running to the inlet cure a little choloroform from the drug manifold, or dirt or dust in the line store and apply with a soft cloth. running to the tank will cause spitting when running the car at high speed.

When Pouring Gasoline. When drawing or pouring gasoline from one container to another, static is not only prevention of scratching, but electric sparks may be developed. It is lack of any noise in turning the dial. advisable always to keep the two containers in contact with each other, or to attach a chain to the pouring container, which will maintain the contact This will lead off the electric charge and prevent sparking.

#### To Test the Battery.

Never try to test a storage battery by connecting a piece of wire directly across the terminals. The size of the resulting spark is little if any indication of the battery's condition, and the short circuit that it causes is harmful. If this treatment is persisted in the battery will be totally ruined. A hydroneter is the only testing instrument that should be used.

Test For Dragging Brakes,

operations of an automobile. They no of ways to detect whether brakes are dragging or not, but the following will be found a time-saver and an easy test to perform. A small dab of grease on both brake drums will disclose whether either or both are dragging, as the

To Clean Cloth Upholstery. Never use gasoline to clean spots from

cloth upholstery. The fluid may appear to take out the spot, but it will leave an oily patch behind it that collects dust and soon makes the cleaned spot look worse than it was before. The best method for removing oily marks or and pay. stains is the use of a brush and some

FRANK SAYS:

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ivory soap and lukewarm water to girls to use," he says, and they which has been added a little ammonia. certainly use it. Dad hardly ever gets a fling at the wheel. He knows a lot of pointers about the mechanism and how to shift the gears in traffic, how to retard the spark when going up a steep hill PUT PAD UNDER DIAL.

### To prevent scratching of the panel by

a dial, set close to it, put a soft felt pad the increased comfort for the passen gers.

Always cover the cloth upholstery A special tire gauge must be used when working around the inside of the to test balloon tires. car.

Most engine trouble is caused by dirt Dust in the air drawn into the carand improper lubrication. frequently causes carbon buretor trouble.

## More Comfort From Soft Tires.

For the motorist who cannot afford If the pressure of the air in a tire the luxury of balloon tires on his car. halved, the area of contact of the the next best thing is to run with old tires on the road will be doubled. tires inflated to lower pressure. There is no great mystery about balloon tires: they are merely thin-walled oversized down grease cups, remove them and ship, east to Hepburn, thence south to gravel road. tires which carry less air pressure. By running with reduced pressure, the car clean out all the obstructing matter, Bowmanville. West boundary of Dur- Toronto to Severn-Paved from Toronto owner gets the advantage of balloon after which refill with fresh grease. tires without going to the expense of

making the change. Lower pressure is bound to cause more wear on the tires, lined up on the engine so that the Dragging brakes are not helpful in but this is more than made up by the pinion and fly-wheel teeth mesh corof Trenton to Belleville. Good macadam Barrie, via Cookstown. attempts to bring about economical saving in repairs on the machine and rectly, a. e., without bending.

and how to get 20 miles to the gallon by a hair adjustment on the carburetor and lots of things

But his desire to get at the wheel and try to put in practice some of the things he has learned out of books is frustrated at every point. When dad wants to take the car, John and Eva have it at the beach. If he wants it to go fishing, Gertrude has waltzed it to the other end of creation. Some times dad does get in the machine and then he finds that he has to start to walk home because the youngsters don't want to leave their friends at 11.30 when the fun is not going to start till midnight. They overtake him later on and everything is serene But there comes a day when the kids are away and then dad is in his glory. "By golly, I'll show them a thing or two. I'11 show them how to operate this grind organ." And he does show them a thing or two, but he tingles all over while they are laughingly recounting the inci-dents. It sounds bad and he

wishes that he had left the old

bus alone.

ment.

FATHER DRIVES THE CAR Well does he remember that trip. He climbed in the machine

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in the garage, put the gear shift in neutral, turned on the switch. retarded the spark, opened the throttle and stepped on her. There was a rasping sound and that's all. He wore the battery out. He got another one. The motor finally started by cranking it, a thing he never saw the others do. Then he threw her into gear after pushing the clutch out. He started with a jerk and went forward instead of backwards. How annoving! But finally the street was reached and then dad's heart was in his mouth half a dozen times before he got into the open highway. "Ah! This is the life." he said, and then there was a terrific wham! and the left rear wheel took to limping. Here was a new problem. Out with the instruction book for information. He

got it and then found the spare tire was soft. He pumped it up by hand, started the machinery again and zigzagged home after taking three hours to cover a dozen miles, during which he burned two and a half gallons of gas.



ing for him to come back. Mr. Beck was very good to his employees, and The best way to get most out of your Adam was well liked also, doing the otor fuel is-adjust the carburetor. common labor in the foundry, in no careful experimentation, in which several kinds of fuel were used, with and without the aid of a "pre-with and without the aid of a "pre-below but when he left the foundry helper, but when he left the foundry eater" for the air, the United States Bureau of Mines has decided that the at the end of seven years he was a simple expedient of adjusting the car- competent and fully qualified machin- circuit. uretor properly is the best and easiest ist. Mr. Hofele devoted himself to way to get maximum power and ef-ficiency from the fuel. the lathe work, pattern making and molding, and instructed young Adam in molding, and instructed young Adam in That this little pointer is of great this work. He certainly holds the recmportance to the average motorist is ord for length of service in one plant. hown by the fact that 30 per cent. of The foundry where he started at the the heat value of the gasoline is wasted age of nine, employed in the days of Beck many men, but now only a half incomplete combustion.

Tests on this subject were made in dozen work there, handling the foundry Pittsburg recently with different fuels work for the Livingston industries. and under average motoring conditions. Adam Beck, like the rest of his fam-The idea of a pre-heater for air was ily, was musical and played a cornet in advertisements. given a thorough test, after which the the Baden band, which consisted of 19 experimenters decided the pre-heater players. This band acquired considerwas useful only with gasoline that mixes able reputation throughout the country. best with pre-heated air, during cold The Becks were Lutherans. The little weather especially or during the first Lutheran church at Baden stands on half hour or so of running. land donated by Jacob Beck for that purpose, and here he and his family at-PART-TIME USE.

tended for many years, he being the The pre-heater used in the experichief supporter of the church. Mrs. ments was of the kind that surrounds Schmidt, although not a Lutheran, rethe exhaust pipe, so that the exhaust gases heat the air before it enters the the church occasionally, the Sunday members attending Sunday school in school of which Adam was an attend-It was found, however, that preheated air could be useful at low throttle the source years ago Adam installed the electric light system in the church inued flow of this warm air at higher as his donation to the church of his openings or at starting, while the conspeeds, after the engine and cooling parents. The minister over a half century ago, when Adam and Mrs. Schmidt water had been warmed up, increased were children, was Pastor Spring, who the fuel mixture in richness.

In fact, the tests in Pittsburg showed came from New Hamburg. The church, o per cent. increase in nileage when if you are passing through Baden, may be identified by the rooster perched or he pre-heater was not used. the steeple. Mrs. Schmidt remembers FOR INVENTORS. well the wedding of Louisa Beck, which

**Ontario Road Conditions** If a pre-heater could be devised which was held in this church.

can be turned on or off at will, so that AT A FAMOUS SCHOOL. warm air could be supplied only when Adam spent two or three years in Dr needed, this device might pecome of Tassie's famous school at Galt, and also better use than the kind proposed nowattended Rockwood Academy at Rockadays. It is a new idea for automotive wood. This academy has given to the inventors. world many prominent men, and was

Please do not park cars on the pave- nal, clay road, impassable in wet The experiments also indicated that the carburetor should be readjusted in its day the most noted school for weather. Four miles west of L'Orignal Toronto to Quebec Boundary, 302 to Hawkesbury, macadam road, good, when a change is made from one kind young men in Canada. It was founded over 70 years ago by Mr. William paved roads. Oshawa to west boundary Hawkesbury to Point Fortune, good of fuel to another, especially to a benzol of Durham, road closed from Oshawa gravel road. Macadam work ta Wend- solution, or an anti-carbon-knock mix-Wetherald, who was living in St. Cath-Bowmanville; detour north two miles over, Alfred, Hawkesbury; no detours. ture. Otherwise the mixture may be- arines in 1883. Mr. Wetherald had When it is found difficult to turn to 5th concession of Darlington Town- Ottawa to vPembroke, 105 miles-Fair come a little richer and therefore lower charge of the school for many years. Another famous man who attended this the mileage of the fuel boarding school was James J. Hill, the

The suggestion is made, therefore. after which refill with fresh grease. The starting motor must be properly
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The start failed in 1879, Adam went to Galt, and road, thence south to Cobourg. Good Bradford to Bond Head, thence to Freeport Village, in good condition, but

is closed to traffic. This detour i

clearly marked with signs and lantern

Lambeth and Delaware owing to pay

and Louisville. Motorists should watch

for loose gravel and drive slowly signs.

Through traffic should detour at Chat-

ham and Tilbury via Charing Cross and

Merlin. The detour is a county road, in

condition. Tilbury to Woodslee, good

Road good from Hamilton to Red Hill

where we are doing repairing. Motor-ists will drive slowly. From Red Hill

o St. David's, road good. At St. David's

to Queenston local detour of 11/2 miles.

SILVERTOWN CORDS

This detour is fairly good.

gravel road, in fair condition. Grave

surfacing in progress. Woodslee

there, with his brother, William, started to make cigar boxes. Four years later, 1884, he moved to London and road Belleville to Shannonville. Gravel Port Credit to Owen Sound, 103 miles approaches and in village. several dangerous curves at bridges'

started in the same business, in which road Shannonville to Shannonville. Gravel Port Credit to Coven Sound, too lines approaches and in villag road Shannonville to one mile south of Grading and graveling operations five London and Chathamhe made a success, for it has always Hamilton to Windsor, 203 miles, via been a motto of Sir Adam to do things

ment in the Preston Cemetery. Both played an important part in life's activies, were respected and liked by all. They were the same to all. In the days when they were wealthy they assumed no superior attitude, and when they met with life's failures there was no one to gloat over their downfall.

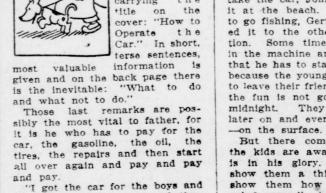
PROBLEMS SOLVED

As fuses are usually of softer mate. way different from the rest. Adam rial than copper wire, they are more current, which usually breaks the

> Didjaever think how fatigued some those Chesterfieldian announcers of must be after a hard day's work wrestling with sheet music?

Or wonder what they would do if it wasn't for the radio? It probably would mean going back to posing for collar





In every new

car, either un-

der the front

seat or in a

convenient poc-

ket, will be

found an in-

struction book

g on or ally

carrying the title on the

like that

for Economical Transportation\_



MOTOR car service, to be satisfactory, must have two qualifications. It must be EFFICIENT and it must be ACCESSIBLE.

Chevrolet service is both. Wherever you go you will find expert Chevrolet service readily available. Over two thousand dealers, garages and supply shops in Canada carry genuine Chevrolet parts. Authorized Chevrolet dealers and service stations are to be found in every community.

Chevrolet is the fastest-selling standard make of car in Canada-and it is backed by the high standard of service one would expect of such a car. Ask your dealer for a demonstration.

CHEVROLET MOTOR COMPANY OF CANADA, Limited midiary of General Motors of Canada, Limited OSHAWA and WINNIPEG

LAUCING

## LONDON CHEVROLET COMPANY,

Successors to ONTARIO GARAGE & MOTOR SALES, LIMITED, 397 - 401 Dundas Street.

Lennox and Addington. Boundary of detour, plainly marked. Grading three to Princeton, fair gravel road. Paving Frontenac to Kingston, good macadam. Kingston to Brockille, good macadam north of Markdale. Paving four miles detour north at Princeton 1<sup>1</sup>/<sub>4</sub> miles, then and grovel. Brockville to Prescott, one north of Chatsworth, with detour plain- west 11/2 miles, and south to highway at mile west of Maitland is under con- ly marked. struction and detour will be established on August 25, which will be plainly marked with signs and lanterns. Pres-via Dundas street, asphaltic pavement. cott to Cornwall, fair macadam, except Road closed from Bloor street and Dunfor Canal Bank road at Cardinal, Iro- das street to Eaton side road. Detour quois and Morrisburg. Cornwall to half a mile north. Truck traffic go via Ingersoll and Thamesford and the road Lancaster, fair macadam. Construc- Port Credit to Cooksville. tion proceeding two miles west of Lan- Brampton to Sarnia-Brampton to

(By Department of Public Highways)

caster; no detours. Lancaster to Quebec Guelph, grading east of Acton. Road not boundary, rough. Macadam construc- closed; drive carefully. Construction Lambath sand Delaware and Delaware between the sand betwe tion proceeding for five miles east of work west of Rockwood. Detour, fol-Lancaster; no detours. Traffic to Montreal proceed via Coteau Junction. Eden Hills. Guelph to Waterloo line, Montreal proceed via Coteau Junction. Montreal proceed via Coteau Junction. Eden Hills. Gueiph to Waterloo Hile, Ferries across the St. Lawrence River will be found at the following points: Kingston, Gananoque, Brockville, Pres-Ringston, Gananoque, B cott, Aultsville and two miles east of Petersburg easterly 2.5 miles; detour Whitby to Lindsay, 48 miles-Good Mannheim. Paving from New Hamburg Six miles west of Chatham to Tilbury

gravel throughout. Port Hope to Peterboro, 29 miles west; detour at New Hamburg and lot No. 1, North Easthope Township, to The set of the set o gravel throughout. Good gravel road north to Fraserville,

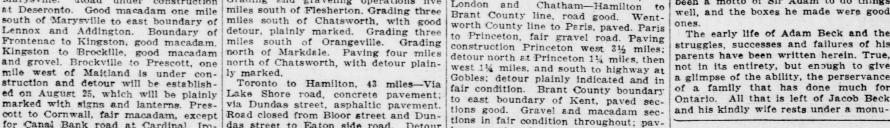
thence macadam road to Peterboro, north. Paving from Stratford southerly good. 3% miles; detour west 1% miles south Picton to Foxboro, 80 miles-Mile and of Stratford to road 11/4 miles west, rea half rough road south of (rofton, un-turning to highway at Conroy road, 3% der construction. Drive slowly. Re-miles south. Paving east of Sarnia; der construction. Drive slowly. Re-mainder of road good.

Maidstone, gravel and clay surface. This hainder of road good. Kingston to Ottawa, 131 miles-King-to 4th concession of Sarnia Township, section is closed to traffic owing t ston to Joyceville, good macadam Joyceville to Smith's Falls, fair gravel. Smith's Falls to Carleton Place, via Perth, fair macadam. Grading proceed-ing naer Inplayille No detours Carleton reserved. paving operations. Through should detour from Windsor and Woods. lee, via Belle River, as per detour signs. Perth, fair macadam. Grading proceed-ing near Innisville. No detours. Carle-10 miles paved. 10 miles paved. Stratford to Goderich, 47 miles-Stratford to Sebringville. Detour is good gravel road to Belle River and concrete pavement from Belle River to Windsor. ton Place to Ashton, fair macadam, ex-cept for two miles, which are under construction. No detours. Ashton to Hamilton to Jarvis, 28 miles-Road good to Caledonia; from there to Jarvis ocal detour. This road is fair. Hamilton to Niagara Falls, 48 miles

road paralleling highway 11/4 miles

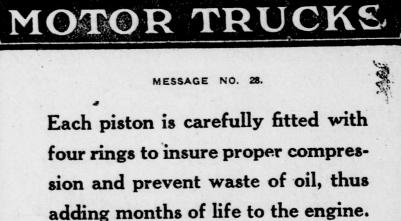
Stittsville, gravel road, good. Stittsville chell. Light grading east of Clinton; reto Ottawa, asphalt road, good. mainder good gravel road; no detours. Hamilton to Owen Sound, 113 miles-Prescott to Ottawa, 74 miles-Prescott to Carleton boundary, good gravel and concrete road. Carleton County boundary to Manotick, fair gravel road. on this road. There are small stretches Manotick to Jock River, concrete road, good. Jock River to Black Rapids un- Arthur to Kincardine, 67 miles-Macder construction; take detour Merivale adam construction one mile south of road to Base Line. Base Line to Ot- Kincardine. Grading operations two tawa, asphalt road, good. miles west of Mildmay and one mile Ottawa to Green's Creek, asphalt road, fresh graveling. Road mostly in good

o Welland, road good. From Chamber's Corners to Haldimand line, road under good, Green's Creek to Orleans, mac-adam road, fair. Orleans to Clarence, Hamilton to Kitchener, 37 milesconstruction: detour from Chamber's Corners on the Wellandport port road Macadam road, good. Clarence to Hamilton to Waterloo County line, road Wendover, macadam penetration, good. good. Waterloo County boundary to Wendover to four miles west of L'Orig- Kitchener, paved throughout, except for a distance of five miles. This is fair. Jarvis to east boundary of Kent County, gravel road, in fair condition



ALL WIINGS 354 Wellington Street. Phone 2334. Goodyear Selected Dealer.

Art Wilkoc



INTERNATIONAL

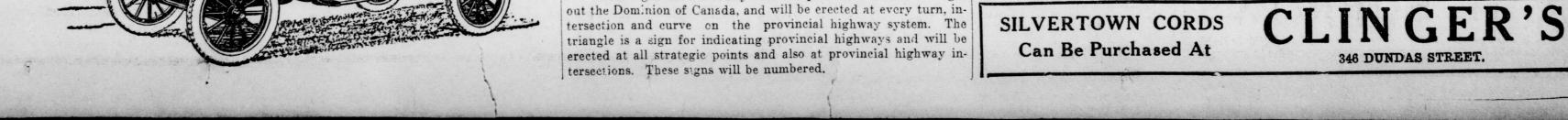
International Harvester Company of Canada 217 YORK STREET - LONDON, ONTARIO.



These signs have recently been adopted as standard throughout the Dominion of Canada, and will be erected at every turn, intersection and curve on the provincial highway system. The triangle is a sign for indicating provincial highways and will be

EVERSE CURVE





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