By Williamson

AUTO SENSE

DOC, IM HAVING MORE TROUBLE THAN A BULL FIGHTER WITH SCARLET PEVER I'M USING HEAVY CIL BUT IT DOESN'T LAST AS LONG AS MY GOOD

INTENTIONS DO YOU USE IT FOR SPRINKLIN' THE PAVEMENT OR DOES IT GET THIN LIKE AN ICE CREAM SODA IN

OIL DILUTION I PUT IN FRESH OILAND IN LESS THAN A WEEK ITS SO THIN THAT THE OIL BAUGE OETS CARELESS ABOUT F. REGISTERING IT.

THAT'S SERIOUS LIKE A BUMBLE GEE IN A COUPE, YOU HAVE LEAKY PISTON RINGS OR SCORED CYLINDER WALLS . YOUR GASOLINE GETS BY THE PISTON NO MIXES WITH THE

HATE TO BREAK THE NEWS THIS NEAR CHRIST-MAS, BUTYOU AREGOING TO SPEND SOME MONEY. HAVE TO HAVE NEW RINGS FITTED, BUT YOU MAY HAVE TO HAVE THE WALLS GROUND AND OVERSIZE PISTONS A BARGAIN MECHANIC TO DO THE JOB



RUNIETOR CHOKED CARBUT MORE GAS TO USE THE CYLINDERS AN CAN BE BURNED IS FORCED BY PISTON RINGS WE DILUTES IT. EASY WITH THE

into contact with metal; that is, when your lubrication is perfect. A film of No engine has perfect compres- burn in a sharp clean explosion and over against the peg too. Test oil off and gasoline will not serve the sion. If you doubt this, remove the part of it passes the rings on both between your fingers. If it is dilut-

Oil dilution is one of the worst the power stroke. If your piston miles. enemies of your engine. Moving rings do not fit as they should, part parts are protected by a film of oil of the gasoline vapor will pass the which prevents metal from coming rings as the compression increases. ble for much dilution. You give the oil gauge, but cold oil, regardless of

All valves are closed on two of to hold your hand down on it while cycle of an engine. One is on the not for this leakage the same oil than summer because your engine is ed by it.

Too rich a mixture is responsi-

tion the way is paved for greater

accomplishments, and to this end

Garment Makers Find Country

Areas Buying More.

The bulletin points out that the

CLOTHING TRADE

Instead of cutting down the clutch for each starting operation

"No man or woman is going to without knowing it, and many ac-

CAR IS BOOSTING

Manufacturers.

compression stroke and the other | might hold up for several thousand | hard to warm up and you use the choke too much.

engine more gaspline than it can its dilution, will keep the needle cap from the oil filler tube and try the compression and power strokes, ed you can "feel through" it as you rub your fingers together. If it is the four strokes which form the the engine is running. If it were Dilution is more rapid in winter good your fingers are really separat-

Safety Method Also Helps Car In

Push on your clutch pedal every

Such is the advice of G. Clark

Mather, chief engineer of Paige and

Jewett motor cars, Mather says

that this will conserve your battery

"The average man does less driv-

ing in winter and uses his lights

more," says Mather. "Moreover, it

requires more electricity to start

with cold oil. By taking out

"Another very important reason

for always taking out the clutch

matter to leave your car in gear

Stopping Cold Engine.

burn up before switching off the

time you start your motor-espe-

STARTING MOTOR

AVOID ACCIDENTS

cially in the winter time,

and make starting easier.

REO PROFITS MORE

Financial Condition Is Best Ever; Current Assets Exceed Liabilities by \$16,000,000.

- That the Reo Motor Car Company is in the best condition of all its twenty years of existence is the message brought to stockholders of the company by the annual report of the board of directors now in the mail. Current assets exceed current liabilities by nearly \$15,915,000.00 and there exists surplus of \$7,819,007.24.

EDWARDS

McLaughlin Car Owners

Try the man that knows your car.

Six years of factory experience in the McLaughlin factory. All work absolutely guaran-

Flat rate if you prefer it.

35 MONTREAL STREET 'PHONE 2544w.

We Can Make

Your gasoline engine as powerful as when new. Arraige with us to have the cylin er size piston and rings. Call and see our Heald regrinder.

Automotive GrindersLimite d

225 Wellington Street

The surplus for the year repre-THAN FIVE MILLION sents an increase of more than two "It is appropriate and fitting to millions of dollars over the sur- | pay tribute to the zealous co-operaplus of last year. Profits for the tion and loyalty of the entire orgayear, after current federal taxes nization. Much has been accomhave been provided for, amount to plished. By increased and efficient \$5,603,478.98.

> The statement of assets and liabilities shows the following all are giving their best efforts." items: Current assets-Cash on hand and in banks, \$4,549,340.12; sight drafts outstanding, \$765,881 .-76; receivables less reserves, \$3,-818,891.45; United States bonds, \$202,731.09; inventories, \$10,-

\$19,471,933.85.

Capital assets-Buildings, \$2,- | amount of money they spend for the starter has less work to do be-097,587.93; machinery and equip- clothing, people are actually spend- cause the clutch and transmission ment, \$6,506,441.52. Total \$8,604,- ing more for apparel since the auto- are thus disconnected. 029.45. Less reserve for deprecia- mobile has come into general use. tion, \$2,672,187.77. Land \$511,- according to a bulletin of the In-049.80; Total capital assets; \$6,- ternational Association of Garment first is for safety. It is an easy 442, 891.48.

Current liabilities - Accounts proved the market in farming sec- walls is found in fall and winter it again to do so. payable, \$2,194,830.11; accounts tions. The increase in the use of driving by reason of stopping the payable miscellaneous, \$92,550.00; country clubs made possible by the engine while it is still cold. You accrued pay roll, \$97,528.86; re- automobile has stimulated the de- step into the garage, crank up.

Deferred credits, \$65,295.26. stock authorized and issued, \$15,- ment Makers' Association, the auto- work of gradually injuring the en- if you demand quietness in a dem- drivers use cardboard, and while broken. 000.000.00; surplus, \$7,819,007 - mobile is promoting larger sales of gine. The more of this vapor you 24. Total capital and surplus, \$22,- clothing.

The 1932 statement showed total current assets of \$16,288,864.86; total capital assets of \$5,780,926,-51; and total investments of \$249,-275.00. The same statement showed current liabilities listed at \$2,788,-025.68 and the surplus listed as \$5,-719,913.61; deferred credits were \$19,093.75.

In the report of the directors, no reground and fitted with over- value is reflected in the balance sheet of the good will, patents, and copyrights of the company. These, it is pointed out, have a value naturally, and it would be much easier to replace the physical assets than to acquire the good will and organization now enjoyed by the

Auto Batteries Made and Repaired When you need your Battery 1 paired or one made to order, also automobile repair work, it will ay you to see us.

Buy Goods Made In Kingston

Monarch Radio A Batteries

the market. For sale by all good dealers.

The Monarch Battery Co. Limited 275 ONTARIO STREET, KINGSTON, ONT. PHONES 886-887.

32x4 Dunlop Traction Cords . \$17.30 31x4 Dun!op Ribbed Cords . \$14.95 A few 30x31/2 Cords at . . \$7.55

Attwood & Dine

'Phone 902m. 277 Bagot Street.

The report says, in conclusion: manufacturing and wider distribu-

135,089.43.

Total current assets amount to

Deferred charges total \$180,-

Investments Stocks and bonds, a worn-shiny suit of clothes or an oversight. \$299,082.00; Reo Motor Car Com- out-of-date hat," states this report. pany of Canada, Ltd., \$47,000.00. Total investments, \$346,082.00. increased contact between town and Total assets, \$26,441,803.22.

bilities, -\$3,557,500.72.

819,007.24.

ELLIOTT & WILLIAMSON

off and to push it on. Be sure that the brakes are released when doing this. If the wheel can be pushed in and out by more than a just perceptible amount, the bearings need to be taken up. WATER IN LUBRICATION SYSTEM not most likely there was fault in the oil distribution pipe. ENGINE JERKS WHEN THROT-

Loose Rear Wheel Bearings

THE FOLLOWING SUGGESTIONS apply particularly to axles of the

semi-floating type of one of the most widely used makes, employing an

inclined roller bearing on the tapered outer end of each axle-shaft. Wear at these bearings is slow and the necessity for adjustment infre-

quent if they are given adequate lubrication, which is commonly by

Effects Of Bearing Looseness

Lack of tightness of these bearings permits of end play on the part of the shafts and their keyed-on wheels and the chucking in and out of

the parts subjects the bearings to injurious shocks as well as making

a noise. If looseness is excessive the wheels will run slightly out of

parallel and there may be so much in-and-out fluctuation of shaft and wheel position relatively to fixed parts of the brakes that the edges of

the brake drums will rub against them and cause an irregular grating

Detecting Looseness

After each 5000 miles or so of service the condition of the bearings

can be tested as follows: Jack up both rear wheels, grasp two opposite horizontal spokes of one firmly and alternately try forcibly to pull it



grease forced into the bearing inclosure.

oil, the three front cylinders were found accord when I returned from a trip. The mechanic tells me this was the result of water getting into the oil, through leaks between the the oil, through leaks between the head and block. What do you say?

Answer: Very likely it was. If water accumulated in the crankcase above the pump intake, the engine would receive very little oil and probably the pistons would run practically dry and score their protections. With a let of water leaking of the cylinders this may be sufficient the cylinders this may be sufficient at very low throttle to dilute the simal charges of gasoline below disturbing open throttle operation. Be sure that plugs are set at the distance apart specified in your practically dry and score their lightly instructions. Possibly your mixture is too rich at very bores. With a lot of water leaking your mixture is too rich into an engine, the pressure shown by the cil-gauge is usually abnormal and steam shows plainly in the exhaust. If the leakage is considerable, the crankcase oil level does as the car is used. It seems strange that you noticed none of these signs. Just why the three front cylinders were the ones affected, if the trouble was due to water, is not at all clear. As a matter of fact, was there much water in the oil when the crankcase was drained after the damage had occurred? If

high gear, although it runs per-fectly steady at higher speeds. Why is this? Answer: When the throttle is nearly closed the gasoline is not properly sprayed by the carburetor and fuel collects upon the inside C. G. S. writes: Not long ago I of the intake piping. This liquid gasoline is drawn in unequally by the cylinders causing the charges in some of them to be too rich of too lean to be combustible. This

TLED DOWN

A. P. writes: My car runs it

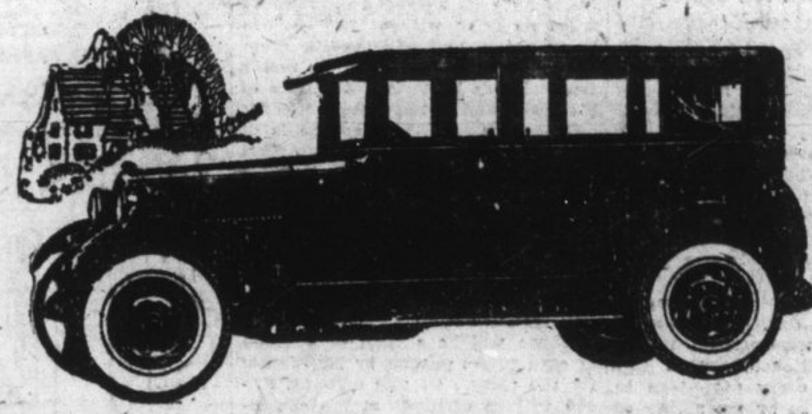
erks when it is slowed down on



Questions of general interest to the motorist will be answered by Mr. Clough in this column, space permitting. If an immediate answer is seried, enclose self-addressed, stamped envelope.

REO SEDAN

Plus Freight-All Taxes Included.



20th Anniversary Model

DISPLAY

See It In Our Sales Rooms

Please Remember the Price Includes All Taxes

Boyd's Garage, Ltd.

climb into a shiny new car wearing cidents have resulted from this is why it is often a good plan to and hill climbing performance. A element of danger is not worth riskstart the engine and let it run an quiet motor will seem to show high ing. Sheet metal of some kind will instant after switching it off, pro- speed without effort because our meet all requirements, or better Much trouble in the way of oil vided that you do not have to choke conception of speed has much to do still, asbestos board. farm due to motor travel has im- dilution and scoring of cylinder

Can't Have Everything. serve for federal and local taxes, mand for sport clothing. The use back out, and, not wishing to drive that their motors will lack pep louvres of the hood as a means of cases out of ten, the result of fail-\$1,172,591.75. Total current lia- of camping togs and the wear and off right away, switch off the en- when the tappets are too close fre- keeping the engine's heat from ing to roll down the radiator cover tear on clothing through more ac- gine. Running with the choker out quently forget that the same thing warming the universe instead of the in time. But the wise motorist contive outdoor life are other ways in the gas vapor immediately con- applies to a demonstrator when driver's feet is advisable provided siders the odd chance and raises Capital and surplus- Capital which, in the opinion of the Gar- denses and begins to do its dirty they are shopping for a new car. Some the hood to see if the fan belt has

engine, therefore, the better. That onstration you can't have pick-up they usually get by with it, the with noise and vibration.

Winter Fire Hazard.

Motorists who know well enough The process of closing up all the engine on a cold day is, in nine

Sudden Overheating. That sudden overheating of the

A LONG TIME INVESTMENT

In buying a motor car, consider what the cost will be when distributed over a period of years.

What is the car's reputation for satisfactory service after the first year? After the second? And after the third-and fourth?

These considerations, in the final analysis, are the true basis of economy in motoring.

The reputation of Dodge Brothers Motor Car for long and faithful service is definite and universal. Wherever there are judicious buyers it is recognized that the car's staunch construction guarantees owners a long time investment-and a long time satisfaction.

