have any problems or wish any information about your write us and we will be pleased to answer you under

ADDRESS AUTOMOBILE EDITOR

-\$ has gotten so that after starting it up, very put the gas to it, it will stop instead of speeding up. The result is chart it a number of times before it will take the gas porperly. What e proper remedy for this? And, again, it has gotten so well in high gear. I have had the valves ground and it out will not pick up quickly. What is the trouble? hree months there is an unusually strong humming noise A mechanic says it is the rear axle, but I can hardly you think?

that a poor carburetor adjustment, in combination with of the gasoline condenses on the manifold, and when this gas, due to the fraction of the fast-moving mixture eylinders, making the mixture far too rich. You will there is a certain speed at which the engine will run fter starting, and that if you open the throttle very slowly

on spectrum spark-plug points are not too far apart. Have them a close as your can without the engine missing.

se as you can.

If the humming noise comes from the engine, it may be due to the halfif the pump or the fan, although I am inclined to believe that the Was light and other metal parts and so seem to come from the front If yours is a touring car, you can check this up by running the e rear floor-board removed. Your car will then tell rear the following the complete the rear floor-board removed. the rear floor-board removed. Your car will then tell you if the have a 1916 (---), which gives me all kinds of power, and I get

the gallon of gas, but I must use nearly a quart and a half 100 miles, and the engine is always choked with carbon. reput in new, rings recently, but it has made no difference as regards reput in new, rings recently, but it has made no difference as regards This Is Word Received From and of oil I have to use. I was told that by drilling a number of small me amount holes between the piston rings that the oil will be given a chance to run back so overcome my oil trouble.

Why do you think I must use so much oil, and will drilling the holes in Possibly the new rings have not worn in properly as yet, and I would

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suggest that you run the car another 500 miles or so before doing anything, the rings may wear in and so the trouble disappear. You may be using too much oil because you are filling the oil reservoir

may registering too low.

Drilling the holes will undoubtedly help. To do this, have a groove about
a sixty-fourth to thirty-second of an inch deep and perhaps an eighth of an
inch wide cut below the bottom ring and above the wrist pin, and drill five
inch wide cut below the source, preferably pointing slightly downward from
of six small holes in this groove, preferably pointing slightly downward from
the niston.

be rigidly enforced from now on. An
motorists must install the glare-proof
lens right away, so as not to permit any
direct beam from the headlights going
above 42 inches at a distance of 75 feet
aftend of the car. the outside of the piston.

Q. I have a six-volt (--) storage battery, which does not light the lights Q. I have a six-volt (——) storage battery, which does not light the lights well or turn the engine well when starting. One of the holes takes about four times as much water as the other when I fill the battery. The ammeter shows the calgary Auto club, and as a result of the contract of the contract of the calgary Auto club, and as a result of the battery is charged 10 amperes when I run about 20 miles. Is this too the number of inquiries, he wrote the a school. A.T.F.

A. The jar which takes so much water is probably cracked. I would ago and this communication is a result of Mr. Kerr's letter. suggest that you have the battery examined by your battery had. The same greatery had been seen a good charging rate, so that your generator is working properly, and the trouble is undoubtedly due to the battery.

Q. Please tell me if I should use the same grease in my transmission of the motor which and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer? I used (——) grade B and differential now as I did during the summer and the su

transmission grease. H.F. A. The grease you were using is liable to prove a little heavy for winter se. If there was no tendency for the grease to work out, I would use a very

any oil, or a grease which will flow from the can very freely.

Q. Please tell me how the horsepower of an engine is found?

L.B.S. The S.A.E horsepower rating, used by insurance companies and most rovinces as a basis for their rates is, D squared times the number of cylinders Il divided by 25. In this D is the bore of the engine. Thus the horsepower if a six-cylinder having a four-inch bore, will be 4x4x6 divided by 2.5, which

Q. I have a 1911 (----) car, model 21, which runs well at high speed for its age, but will not run slowly without stalling. It has good compression, and I recently had the (——) carburetor station adjust the carburetor for me, but it makes no difference. What is the trouble? The car stalls in traffic and

A. The low-tension magneto on this car did not hold its magnetism well-A. The low-tension magneto of this car did not not the magneto will believe if you will have he magneto of it remagnetized that your trouble will be overcome. Switching to battery when in traffic will stop the stalling rouble until the magneto can be magnetized. Q. To settle an argument, please tell me if the voltage of a large-size storage battery with three batteries is more than a small one with three

H.E.H. A. The voltage of each cell of a storage battery is about 2.1 regardless asing the of its size. The voltage can only be varied by increa of its size. The voltage can only be varied by increasing of decision of the number of cells. The size of the cells only affects the ampere-hours of the building at Third avenue and Third street from Poultry Fatalities. battery, which is about the same as saying the amount of current which can

### NEW ADVERTISING MANAGER FOR THE MITCHELL AUTOS

States are owned and operated by the chevrolet motor Company of Delaware. The Chevrolet Motor Company is one seen with us but a few weeks we are already started on an advertising and merchandising plan for 1918 that, we are sure, will meet with cealer and consumer approval everywhere. I might add that ada is closely affiliated with the American Company to bring with us a group of young men particularly well qualified to give special thought and attention to the problems of our rapidly growing dealer organization."

States are owned and operated by the Chevrolet Motor Company of Delaware. With this hammer he can do more damage in a moment than a good man can repair in a week. His first inclination is to use this form of persuarious that while the Chevrolet Motor Company of Canadian capital and Canadian men.

Mr. McLaughlin is to be congratulated on any metal parts without the direction of a block of wood to protect the surface, but care must be exercised to avoid hitting the

## R. S. McLAUGHLIN NOW DIRECTOR OF THE CHEVROLET CO.

manager.

Before taking up his new duties on September 15. Mr. Kapp was associated with Willys-Overland, Inc. He had been at a meeting held in New York. This in their advertising department three years, curing which time he held various is the control of the Dominion bank, was appointed a director of the sees no reason why his many customers should not have the best service available.

Greed and twenty-five cars or more, and of one hundance on account of installing his recent new of Muncie, Ind. One motor jour line figures:

Chevrolet Motor Company on Oct. 5 should not have the best service available.

Chevrolet Motor Company is the control of the pominion on account of installing his recent new of Muncie, Ind. One motor jour line figures:

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Chevrolet Motor Company is the control of the pominion on account of installing his recent new of the Ind. One motor jour line figures:

Chevrolet Motor Company is the control of the pominion of the pomin Mr. R. S. McLaughlin, president of In their advertising department three chevrolet Motor Company is the parent years, curing which time he held various positions each of which enabled him to add to his retail experience such in- of the State of Delaware in 1945. The ation as now makes him well fitted capital stock of this company is \$80,to take charge of the Mitchell million-600,000, and among its assets are the 601ar advertising investment. In speaking of Kapp's appointment, Otis Company Fight Chargelt Motors Com-C. Friend, president of the Mitchell Company, said, "We feel that Frank Kapp is used to push our broad severtising plans for 1918 through to a Chewrolat Motor Company.

torate of this company.



FREE BUS

In Calgary STOP AT THE

FREE BUS

HOTEL EMPRESS SIX FLOORS OF SOLID COMFORT

Refurnished Throughout

Water in Every Room. Every Room an Outside Room.
221 SIXTH AVENUE WEST



BRITISH ARMORED CARS DURING RETREAT OF RUSSIANS IN GALICIA Our photo shows armored cars and cyclists waiting to leave their base on a Galician road

Edmonton by Auto Club President

Word has been received by W. F. W. Lent, president of the Calgary Auto-mobile club, from the attorney-general's you may be using too much oil because you are ining the bull the foot of the oil gauge may be punctured and so too heavy, in this pertaining to the headlight glare is to be rigidly enforced from now on. All motorists must install the glare-proof motorists must install the glare-proof

Calgary auto owners have been asking attorney-general's department some time

police court. The headlight clause of the Alberta notor vehicle act, reads: "It shall be unlawful for use on a motor

vehicle any lighting device of over four candle power, equipped with a reflector, unless, the same shall be so designed, deflected or arranged, that no portion of the beam of the reflected light, when measured 75 feet or more ahead of the lamp, shell rise above 42 inches from the level of the surface on which the vehicle

### WEBBER'S GARAGE ENLARGE QUARTERS

Any motorist who is thinking of putting his car away for the winter and is desirous of having his car stored at a very pertaining to speeding. reasonable figure, may be able to do so under the new arrangements of Webber's

west, and are going to cater to motorists desirous of getting what they term "dead

f the storage trade.

hammer, which forms a part of the tool equipment of every automobile, is one it is equally safe to assume that they of the first things the amateur automobile repair man must learn when working around the engine, says a writer in the current issue of Ameria dozen, this curbing of their natural

an Motorist.

With this hammer he can do more nation's wealth. can Motorist.

other parts through the inaccuracy of mercial. aim that distinguishes the unskilled wielder of this tool.

A poorly aimed blow that misses its target and lands on one of the valve push rods or similarly vulnerable parts with any degree of force is apt to cause trouble of an expensive nature

MOTOR CARS IN WAR

According to a compilation by the Japa-ness government, which has been investi-gating the use of motor vehicles in the war by the Entente Allies and the Central Powers approximately 300,000 commercia and passenger cars are now in use. The principal Entente countries are using about 170,000 and the Central Powers about 130,000, as follows:

	- 3	Used as	
T	Total T	ranspor	
England 3	0,000	15,000	
France 8	0,000	25,000	
Russia 4	0,000	20,000	
Italy 1	0,000	5,000	
Belgium 1	0,300		
Rumania	1,700		
Serbia			
Germany10	0,000	25,000	
Austria 30	0,000	30	
Turkey	750	30	
Bulgaria	300		

GAUGE DOES NOT REGISTER In cars equipped with oil pressure gauges and a piston type oil pump the owner often is at a loss to know why the gauge does not register, knowing that there is sufficient oil in the engine. This rouble may be caused by a leaky pump. t may be put into action in many cases by priming. In doing this disconnect the oil line back of the gauge and while the engine is running slowly squirt oil into the feed line by means of an oil can. Continue doing this until oil is squirted back through the feed line, after which the line should be connected. .

FROM NEW YORK TO PORTLAND From New York city to Portland, Ore., a transcontinental trip of 3,489 miles, in 1214 days driving is the record recently established by Dr. Robert H. Ellis, of Portland. An average of 11 hours' driv-ing was maintained every day, and 350 miles represent the greatest distance traveled in a singe day. Exactly 200 gallons of gasoline were consumed, and an average of 17½ miles to the gallon was made during the trip.

#### POINTERS FOR TRAFFIC RELIEF

RIGIDLY ENFORCED Common Sense Road Rules Down in Arizona Gardener Suggested by Police Department

Drink intoxicating liquor while operating a motor car. Permit your chauffeur to speed. Pass a street car while passengers are carding or being discharged. Pass on the left hand side of a street

going in opposite directions. Use glaring headlights in the city. Ride on the wrong side of the street. Permit anyone under 18 years to operate a car.

Turn to the right or left until you have | team and wagon to get over them to signaled the vehicles behind.
Drive fast while approaching or passing Drive fast while approaching or passing a school.

Argue with police officers. You will get roads are in good condition or not,

Always drive on the right side of the

Use the best lamps and light them at license at once. Obey the traffic officers at all times.

Use dim lights on front of car.

Use tire chains on rainy days.

Signal drivers back of you in case you

Many such pemplexing problems are being satisfactorily settled by the powerful Manwell one-ton trucks. intend to turn or stop a car. Watch your speedometer and have it tested frequently. Stop at least ten feet in back of a street car while it is discharging or taking on

Respect the rights of pedestrians. In case of accident stop at once and give your assistance to the injured.
Stop at all railroad crossings before

Always sound a signal when approach-

AUTOS KILL 600,000 CHICKENS

This thing of counting the cost has storage" for the winter months.

It will not only prove popular in this respect, but will also relieve the great gling figures to show the actual loss strain upon the Fifth avenue garage, to the poultry crop if only one-fifth of which is usually overcrowded, and very seldom has not been able to handle any country kill at least one chicken a year. Count the big money and not Webber says that the new building will run over chickens, is the economical handle in the neighborhood of one hundred and twenty-five cars or more, and ager of the Interstate Motor comany

One motor journal had these start-ling figures:
"If those 600,000 chickens—feathered ones—weigh a pound each, with chicken at 35c a pound, the annual loss to the country is \$210,000. If those chickens would quit crossing the road, and would average 10 dozen eggs before a natural or useful death overtook them, and with Secretary of Agricul-

#### MORE THAN 4,000,000 CARS REGISTERED IN U.S.

More than 4,000,000 motor cars of all descriptions in use in the United Not only should the hammer itself States were registered in the several commonwealths during the first six months of the current year. Of this wood to protect the surface, but care number 88 per cent were pleasure cars must be exercised to avoid hitting the and the remaining 12 per cent com-

> PROGRESSIVE TIGHTENING In tightening opposed nuts, such as those holding the bearing caps in place, one nut should be drawn up a little and then the opposite one tightened a little

It is wrong to tighten one nut fully and then proceed with the other, as this method tends to spring the metal and cause poor contact. TESTING WHEELS Every car owner ought to make it a practice to test the wheels for side play, at least three or four times a year. Side play performs a doubly vicious role, for it covers excessive bearing wear and tire wear as well. If the motorist will jack up each wheel in

turn and grasping it firmly push and

pull it, any side motion will be readily apparent. In many cars wheel bearings are adjustable to care for just such WATER CAUSES MISSING One of the causes of an engine missing

explosions, which is sometimes very mysterious, is water in the carburetor. If you have tried all other causes of skipping, try draining the carburetor. some is caught in the hand, the water will be repelled by the gasoline and form

## City Welding and Repair Shop

wants your broken articles to weld. And you want them welded. Bring them to the shop and we will



#### MONEY IN TRUCK SAYS A HUCKSTER

Gets Over Bad Roads by Using Maxwell Car

Husksters are fast finding the oneton Maxwell truck a money maker for them far beyond their ability when teams and wagons are exclusively used. One instance that serves as an example of what a huckster may accomplish by car or any other vehicle which is being adopting motor truck transportation is driven along the street car tracks.

Attempt to cut in between street cars izona. Keegan plies his trade of vegetable vender between Phoenix and Avondale. For years he had used a double team and wagon. Often the Keep up a conversation while driving Arizona roads were so difficult of navtown with a load.

he worst of it.

DO

Read, study and obey the traffic laws of he city and province.

Keegan always arrives in Avondale and Phoenix on time with his garden truck. Here is Keegan's opinion:

"When you consider that this truck will cover 1000 miles in an ordinary working day and that the upkeep is considerably less than that of a team and wagon, it is extremely economical Especially since one man and a Max-well truck will do the work of several horses and their drivers." Many such perplexing problems are

> RATTLE IN SHACKLES Spring shackle play or looseness between the spring end and the shackle may give much annoyance until the



eat of trouble is discovered. Rattling removed by tightening the spring bolt caused by this looseness will be more Watch the shackles and do not allow frequent and distinct when the car is riding over fairly rough roads. A good of finty grit in the mud make their way into the working parts and cause place shims between the spring end excessive wear. Lubricate the shackle and the shaekle. Or the play may be bolts generously.

# Neolin Soles

Waterproof

Wet feet are often the direct cause of pneumonia, sore throat, diphtheria, etc.

We believe Neolin soles are the acme of perfection for wear, and walking around in the wet they are unsurpassed.

Have your shoes repaired today. Your old shoes are more comfortable—will give you as much service as a new pair for a very little money.

**CALL M4317** 

We will call for and deliver them promptly.

207 12th Ave. West - Calgary, Alta.

## MOTORISTS-ATTENTION!

The Attorney-General announces that the "Headlight Law" is to be enforced. The Alberta Motor League officials advise that instructions have been given police officials to enforce this new law immediately.

PREPARE YOURSELF

# Secure Warner Lenz or **Corning Cornaphore Lens**

AND BE PROTECTED

Read the Act as printed on this page.

Canadian Fairbanks-Morse Co., Limited **523-529 EIGHTH AVENUE WEST** 

"EVERYTHING THAT'S REALLY GOOD IN ACCESSORIES"



I should say not, since Puncture Cure's inside.

# Puncture Cure

Every up-to-the-minute Motorist is adding to his equipment, accessories that point to safety, comfort, ease of mind combined with general economy. Puncture Cure has already merited the confidence of all its users. WHY?

BECAUSE—Its inventor was determined upon overcoming imperfections found to exist in other preparations; he overcame them, and not only has his chemist furnished a qualifying certificate, but a practical time test of over 18 months has proven this beyond

It instantaneously seals punctures.

It does not impair the resilency of tires.

It does not damage rubber, fabric or metal. It prolongs the life of tires.

## Puncture Cure Sales Co.

(Sole Distributors)

400 Maclean Block, Calgary Calgary Agents and Injecting Station: CENTRAL GARAGE, 417 Sixth Avenue East

PUNCTURE CURE SALES CO. 400 Maclean Block, Calgary Dear Sirs-Please send me full particulars concerning Puncture Cure.