

**FRICION SAPS THE ENGINE'S VITALITY.**

**Huge Loss of Power Results When Proper Lubrication is Neglected.**

Automobile engineers agree that friction consumes normally about 20 per cent. of the power of an automobile engine. The loss of power, they say, may run as high as 50 per cent. or as low as 10 per cent. with varying conditions.

With this fact in mind it is easily seen why proper lubrication is such an important factor in motor car maintenance, since the only way to combat friction is in lubrication.

"Power, however," says an expert, "is not the only thing affected by improper lubrication. We have found that nearly all cases of premature wear and many cases of breakage are due to imperfect oiling and greasing. Lubrication even affects the life of tires in cases where parts governing the alignment of wheels wear out from lack of it."

"Effective lubrication is not only a matter of correct lubricant; the great problem is to get the grease and oil where they belong. In the power plant various systems of lubrication have proved very satisfactory, but it was only recently that engineers found a solution to the baffling problem of chassis lubrication. That was the idea of applying the grease to the numerous chassis bearing under pressure."

**PROPER ATTENTION TO SMALL DETAILS MEANS BIG SAVING.**

Car owners generally have learned the value of an expert's services with various electrical units on their cars. There are, however, a number of small things in the nature of inspection which car owners themselves can do to prevent serious troubles.

Generators, starting motors, magnets, distributors, etc., should be oiled periodically at points provided for this purpose. Five to ten drops of high-grade light machine oil placed in each oiler, provided about every 500 miles, will take care of average requirements. Never put oil on commutators or other parts of the electrical system where current contact is made.

Generator, starting motor and electrically-operated horn commutators should be kept clean. This may be accomplished by applying fine sandpaper to the commutator when the armature is revolving. This requires but a moment, and saves much trouble. Never use emery cloth or paper for this purpose.

Attention to the generator charging rate as indicated by a reliable dash ammeter is important. Excess charging rate in excess of 16 amperes on the average car is the forerunner of trouble and the car should be taken to an expert for inspection if this value is exceeded. The expert will make comparison with the equipment manufacturer's standards and adjust the charging rate accordingly.

The battery should receive a hydrometer test at frequent intervals and should the test indicate a gravity reading of less than 1200 it is approaching a discharged condition. In this event endeavor to favor the battery all possible by the limited use of lights and starter for a few days. If this cannot be conveniently done have the battery charged from an external source.

Make occasional inspections of the car wiring, connections to lamps, switches, etc. Look for abrasions at the various points where wires are connected. Grounds and short circuits blow fuses on certain cars and burn out switches on others.

The proverbial "stitch in time" may aptly be applied to the electrical system of the modern motor car.

**BATTERY BOX DRAIN.**

A hole should be drilled in the bottom of the metal battery box to allow water or acid that happens to overflow to make its escape. This operation is assisted if the battery is raised up from the bottom of the box on four little wooden cleats, which also assist ventilation. The best way to preserve these cleats is to boil them in paraffin before they are put in place, as this prevents deterioration due to the action of the acid.

**ON WASHING.**

The car should never be washed in direct sunlight. If the operation is not carried out in the garage the vehicle should be in the shade while being washed. The direct rays of the sun striking on water causes heating, which tends to dull the finish. In the same way the hood should never be washed when it is hot, as directly after the run.

Keep Minard's Liniment in the house.

**R. J. Whitten & CO. HALIFAX**

Receivers and Sellers of all kinds of Farm Produce.

Consignments Solicited.

Prompt Returns.

**CLEANING SILENT CHAINS.**

The silent chains that are becoming popular for camshaft and other drives should be thoroughly cleaned every time the motor is taken down. The chain should first be soaked in a bath of kerosene and then be brushed with a stiff brush to get off all dirt and grit. After cleaning, the chain should be dried and then washed in hot water to which a little washing soda has been added. Next the chain should be submerged in a bath of moderately heavy lubricating oil and allowed to remain until the lubricant has reached every cranny of the bearing surface. It is a good idea to have this oil warmed through before immersing the chain in it, as this thins it a little and permits it more readily to reach hidden surfaces.

**SHORT CIRCUITS.**

There is frequently danger of short circuit in the battery because of the fact that one of the terminals is located near the metal handle used for lifting the battery. To obviate this danger it is only necessary to slip a short length of rubber tubing over the wire at the point where the contact might be made. To do this the tubing should be slit lengthwise, slipped over the wire and taped firmly in place. It is a good plan to follow this practice wherever there is danger of the wires rubbing off their insulation and so establishing a short circuit.

**INSERTING SMALL SCREWS.**

It is often difficult to start by hand the small screws, such as are used in the magnet, speedometer, etc. An easy way around this difficulty is to hold the screws between the legs of a pair of calipers, a drawing compass or even in the slot of an ordinary steel pen. The screw is then driven home by the small screw-driver. The same method may be used in replacing small nuts located inaccessibly.

**SPARK ADVANCE.**

The car owner should keep in mind that one of the most prolific causes of engine overheating is driving on a retarded spark. The cause is obvious, the explosion taking place when a maximum of the cylinder wall is uncovered instead of the minimum, as is the case when the ignition takes place at upper dead centre, the piston being at the top of its stroke.

**RATTLING TIRE CHAINS.**

The common method of locking spare tires is to use a chain and padlock. The only trouble with the idea is the noise incident to the rattling of the chain and the fact that it mars the finish of parts with which it comes in contact. Some car owners cover this chain with a bit of hose.

**Is There a Baby In Your Home?**

Is there a baby or young children in your home? If there is you should not be without a box of Baby's Own Tablets. Childhood ailments come quickly and means should always be at hand to promptly fight them. Baby's Own Tablets are the ideal home remedy. They regulate the bowels; sweeten the stomach; banish constipation and indigestion; break up colds and simple fevers—in fact, they relieve all the minor ills of little ones. Concerning them Mrs. Moise Cadotte, Makamik, Que., writes: "Baby's Own Tablets are the best remedy in the world for little ones. My baby suffered terribly from indigestion and vomiting, but the Tablets soon set her right and now she is in perfect health." The Tablets are sold by medicine dealers or by mail at 25 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.

**RUBBER CEMENT.**

When rubber cement has stood exposed to the air, even for a short time, it becomes so thick that it does not give good results in application. Many motorists thin cement with gasoline, but the ordinary grades of gasoline contain considerable oil, which has a decidedly adverse action on the cement. High test gasoline or bisulphite of carbon is best to use for thinning.

**WATER AND TIRE WEAR.**

Wet rubber cuts much more easily than the same substance dry. For this reason the wise car owner does not try to speed over wet roads where any chance-thrown sharp stones get an opportunity to do maximum damage.

Adjustments made on the engine while it is cold seldom are satisfactory in actual operation. The engine heats up when running and the metal expands with the warmth, which nullifies the value of adjustments made when the metal was cold.

CALGARY.—Fifty oil drilling outfits will be in operation in Alberta by the middle of this summer, according to present indications. The Imperial Oil Company are behind about twenty of these, while other prominent British and American interests are promoting other companies. Development work will take place in practically every district from the Montana border to the Fort Norman discovery well.

**GRAND PRE AND HORTONVILLE.**

Rev. G. W. Whitman was in Berwick last week attending the Convention there. Mrs. Louise L. Bishop was in Berwick on Monday.

Mrs. Charles Whitman and little daughter spent the week end here, the guest of her father, Mr. John Lawrence. Mrs. R. L. Harvey has returned home after spending a few days at Clements-ville, N. S., the guest of Mrs. Wm. C. Jackson.

Miss Matilda Simson is visiting at Glen Margaret, N. S.

The Ladies' Aid held an Ice-Cream Social Tuesday evening on the lawn of the Parsonage.

Miss Laura Barron's pupils will give a Pianoforte Recital on Friday evening at the Oddfellows' Hall, Hantsport.

Mrs. Fairweather and little son are visiting at the home of her parents, Mr. and Mrs. C. F. Rathbone.

Minard's Liniment used by Physicians

**Motor Trucking!**

Any one wishing trucking of any kind done.

Apply to **L. G. Baines**

Phone 137-12.

**STUDEBAKER**

This NAME PLATE on YOUR CAR Means

**Satisfaction, Service, Class**

Come to

**W. A. REID'S SHOW ROOMS**

and LOOK THEM OVER and BE CONVINCED

Agents and Service Station for

**Studebaker & Overland Cars**

**SERVICE**

is the foundation of success in any business. To this end we have built and equipped a splendid new

**McLaughlin Service Station**

in charge of an expert McLaughlin mechanic.

We are trebling our stock of parts and are assured a \$100,000.00 stock at St. John to draw on.

**MOST PEOPLE**

if left to use their own good sense, would buy McLaughlin cars anyway. Now, with our new Service Station, the only excuse to purchase any other make is removed.

Ask the man who bought this season!

**Acadia Automobile Agency**

WOLFVILLE, N. S.



**High Average Mileage**

Sometimes you find a tire that gives extraordinary mileage—one in a dozen perhaps. Whereas the average of mileage given by a dozen—or a hundred—Ames Holden "Auto-Shoes" will be as high as that given by the exceptional ordinary tire.

It's the high average that counts—that cuts the cost of miles—that makes it worth while to get Ames Holden "Auto-Shoes" instead of ordinary tires.

**AMES HOLDEN "AUTO-SHOES"**

Cord and Fabric Tires in all Standard Sizes

For Sale By

"Red Sox" Tubes

"Grey Sox" Tubes

**WOLFVILLE GARAGE, - Phone 218, - Wolfville.**  
**E. J. WESTCOTT, - Phone 138, - Wolfville.**

**MITCHELL SIX**  
**POWER, ENDURANCE, CLASS**

The owner who takes pride in having a car that is different and one that portrays ultra quality in every detail will experience that satisfaction when behind the wheel of this new and worthy MITCHELL.

**W. W. HOLMES, Dealer for Kings County**

**Acetylene Welding**

**Battery Repairing and Charging.**

**Cylinder Re-boring and Accessories.**

**J. F. CALKIN**

MAIN STREET EAST

**The Wolfville Garage**

C. A. BENTLEY & SON, Prop.

**Queen and Premier Gasoline Dominion, Ames-Holden, Partridge Tires and Tubes**

Our new Cords save money in the long run

FORD PARTS AND ACCESSORIES

FREE AIR. TAXI SERVICE. PROMPT REPAIRS.

PHONE 218. P. C. 118. OPP. D. A. R. STATION

**QUEEN GASOLINE**

Having installed a new Gasoline Tank and pump in front of our store we are now able to supply our customers with either Queen or Premier Gasoline.

Also a full line of

**Oils, Tires, Accessories, McLaughlin and Ford Parts**

**E. J. WESTCOTT**



**BRISCOE**

The car with the Half Million Dollar Motor

The new 1921 Model is now on exhibition at

**The Wolfville Garage**

A Perfect Combination of Comfort, Beauty, Power, Economy and Utility

as is seldom seen in any one automobile.

In every desirable feature the Briscoe is there with the goods.

Before purchasing, call and see the self evident value offered in the Briscoe. The Leader of Light Weight Cars.

P. O. Box 118.

Phone 218