

## MOTORS And Their Care



**When Removing Cylinder Block.**  
Strict care should be taken when removing the cylinder block from the chassis. If the cylinders are not lifted off straight there is danger of springing the rods out of true. For this reason, in removing these parts one person should do the handling while a second takes care that no injury is done to the pistons or rods.

**Causes Premature Tire Destruction.**  
Starting or stopping a car too quickly will grind off the tread surface and expose the fabric, making it possible for sand and water to work into the body of the tire, and cause disintegration to set in, which will very soon completely destroy the tire.

**Tire Wear.**  
Rear tires, because of tractive and brake strain, wear more rapidly than

## THE VITAL FACTOR



in buying a Tire is to make sure you get a "Dunlop."  
"Dunlop" settles the Quality Question—in your favor.  
"Dunlop" gives a definite answer to the mileage question—in your favor.



"29" Experience as Tire Makers "to Canada" "29" Years

front ones. The right rear tire is subjected to more strain than the left, because of the ring drive, and because it is lower on the crowd of the road, if

not in the rough at the side, as other cars are passed. Careful drivers change back tires for front, and frequently right tires for left. Thus the mileage of the tire is increased.

**Avoiding Some of the Splash.**  
To avoid getting splashed with mud when passing another car, it is a mistake to get as far away as possible. When the cars are ten feet or so apart, any mud that is splashed is sure to strike the body of the other car, whereas if the machines are closer together, three feet apart, mud that is splashed will only strike the wheels and the under sides of the fenders.

**Valve Efficiency.**  
Never use a relief cock with a handle that is up when the valve is closed. The best remedy is to buy a new one with the hole set in the proper direction so that it is closed when the handle is pointing downward. Another method is to fill the hole in the plug with a piece of brass carefully fitted, and to drill a new hole in such a position that the handle will be pointing downward when the hole is closed.

**Getting the Old Car Into Shape.**  
Before the car goes on the road for the summer months, the following work is advised:

Inspect steering gears and universal joints.  
Clean and adjust the interrupter points.

Have the battery tested, and re-charged if necessary.  
Clean spark plugs, and adjust the points evenly.

Have the gasoline line blown out with compressed air.  
Inspect the commutators of the generator and the starting motor.

Lubricants should be applied to all parts by cup grease, oil can, or grease gun.  
Drain the oil reservoir and clean the crank case with kerosene. The differential gear cases, and clean with kerosene.

Check up the brakes to determine if they need relining. Make sure they are properly adjusted.  
Remove carbon from the cylinders. Inspect the valves, and have them ground if necessary.

All wheels should be removed, bearings inspected for excessive wear or breakage, cleaned thoroughly, packed with fresh grease and carefully adjusted.

**Safety First.**  
Throw out the clutch when approaching a railroad crossing. This will eliminate all noises about the car making it possible to listen for the sound of an approaching train. In coasting, however, do not allow the en-

gine to idle so slowly that there is danger of its stalling.

**For Cleaning Parts.**  
Washing soda, kerosene and plain soap and water should be the cleaning agents used by car owners for cleaning parts, tools, etc., about the garage.

**Ignition Efficiency.**  
One of the common causes of ignition troubles is that of defective con-

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Get a jar of "Hair-Groom" from any druggist for a few cents and make even stubborn, unruly or shampooed hair stay combed all day in any style you like.

## Your Nerves tell the Story

PROLONGED periods of vibration will wear the best of steel. What do they do to tender nerves?

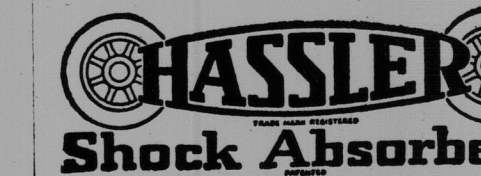
Some folks think they don't need shock absorbers for city travel. What about the bouncing over car tracks, uneven pavements, the bad spots, the unpaved patches, the bumps, jars, jolts?

**Your nerves know.** Let Hasslers' protect those nerves! Hasslers' absorb and dissipate the shocks and vibration your nerves now take—that's why there are a million Hasslers' in use.

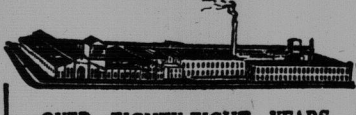
The better the springs in your car, the more resilient they are. Hasslers' absolutely will save you the discomforts of violent spring action, road pounding, bumps, jiggling and vibration.

Saved gasoline alone will pay for Hasslers'! They minimize repairs, reduce tire expense, and assure high re-sale value.

Your dealer knows these Hassler facts.



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tact points, which are among the main parts of the ignition system. It is upon their condition that the strength of the high tension sparks to the cylinder depends.

**Worn Bearings.**  
When bearings begin to wear, they are soon knocked loose, depending upon the thrust of the engaging member. Even the slightest amount of wear will develop a knock which greatly hastens the end of the bearing.

**Concerning the Commutator.**  
It is a good plan to clean the commutator when it becomes gummed. Crocus cloth can be used to advantage if the copper surfaces are thoroughly wiped with the cloth. Never use emery or sand paper.

**Treatment of Fan Belt.**  
A leather fan belt should be cleaned with gasoline and then soaked overnight in caustic. This treatment will revive the grip of even the oldest belt.

**When Battery is Overcharged.**  
To reduce an overcharged battery, all the lights should be burned for about two hours while the car is standing idle, and have the output of the generator reduced.

**To Eliminate Door Rattles.**  
Small pieces of tin, wedged under the door bumpers, will eliminate the rattle of doors. This is equivalent to inserting new rubber bumpers; only it requires less trouble.

The conditions that most commonly cause poor lubrication are: insufficient oil in the crankcase, broken or clogged feed lines, clogged oil screens and defective pumps or drives.

Many motorists break in new motors by adding one quart of oil to every ten gallons of gasoline. This insures proper lubrication of the cylinder walls.

A motorist should give just as much care and attention to the tires of his car as he does to the supply of gas and oil.

## Beautiful Country House For Royal Honeymoon

(Continued from page 10)  
"Black Michael" is everyone's behind his back. The present Lord Spencer was once "Cecilia" Lord Harcourt's "Black Michael." Lord Harcourt is "The Peewit." The "Punk 'Un" is still remembered. Another Government whip was "Alice in Wonderland," and another parliamentary character, by reason of his singular physiognomy, was known as "The Greek God—Damaged."

"Plum" Warner's Precedent.  
A cricketing friend, in close touch "behind the scenes," tells me there is undoubted evidence of a change taking place in the social amenities of the national game. It may be almost imperceptible to the onlookers; nevertheless, the old distinction between amateurs and professionals is undergoing consid-

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Last winter tested furnaces. Scarce fuel, poor fuel, steady cold—these were the enemies of comfort and health. Did your furnace come through with flying colors? All Clare Bros. furnaces did. They saved coal. They operated well with every kind of fuel. They kept homes comfortably heated with moist, healthful air. And they'll go on doing this for years to come.

Settle once and for all your heating problem. Find out why Clare Bros. furnaces can be fully guaranteed—why they are satisfying thousands of home-owners. Find out about the exclusive Clare Bros. features which give these famous heating systems greater value.

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## CLARE BROS. Pipe and Pipeless Furnaces SUCCESS HECLA STAR STANDARD



erale modification. Much of the credit is due to P. F. ("Plum") Warner—now, happily, recovering from his recent severe operation—and none will be looser to look for proof of the fact when he is out and about again. He did much to encourage true camar-

aderie between amateurs and "pros" when he led the English teams in Australia in 1908 and 1911. On one occasion, by the way, he had to captain his team from the pavilion in consequence of ill health. It was during his first tour that "Plum" defied all cus-

tom by deciding that professionals and amateurs should stay at the same hotel. This not only created real good fellowship; it also permitted the skipper to keep an eye on his side and enforce the dormitory custom of "lights out."

## ALBA-GLOSS ENAMEL Rich! Elegant! Durable!

The supreme Enamel, free flowing and easy to apply. The highest grade of White Enamel, designed expressly for those whose sense of beauty demands the artistic effects that only a real high-grade White Enamel can produce.

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## Now Is The Time To Paint

If you have delayed painting, your property has suffered. Do not put off any longer. *Save the surface and you save all.* Look around and you will find many places, both inside and out that call for a coat of paint. Now is the time. Nature is re-decorating, get in line and do the same. The most economical method is to use

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