

IN THE AUTOMOBILE WORLD

DOWN THE ROAD

By Beck



A sure sign of spring.

Motors and Their Care.

A Reminder When Starting Motor.
The motor, when first started,

should not be forced above a minimum speed until the bearings, pistons and cylinders are running perfectly free.

Care of Spare Tires.
Spare tires carried on the rear of

the car should not be placed near the exhaust pipe. This is a poor practice, as the heat will ruin the rubber composition.

Moisture on Spark Plugs.
Irregular firing is often caused by moisture gathering on the exposed part of the porcelain of the spark plug. This trouble may be cured by greasing the porcelain with vaseline or hard grease.

Value of Proper Lubrication.
The increased efficiency and pulling power of automobiles are made by lubricating the cars properly. A good grade of oil will also make an appreciable addition to the miles per gallon of gasoline.

A Way to Stop Hood Rattles.
A hood that has a tendency to rattle with the vibrations of the engine may be silenced by drilling a series of holes in the band of metal on which the hood rests and threading a strip of leather through the holes. In this way the hood rests on the leather instead of metal.

Filling the engine with more oil than is required will cause carbon to form and foul the spark plugs.

Poor Insulation and Short Circuits.
Short circuits are caused by poor insulation, which allows the wires to come in contact with metal parts of the car.

Battery Tips.
Economize on lights. Never allow the battery to become overcharged. Test the gravity of all cells with a hydrometer syringe. Never allow the battery to become overheated in service. Keep distilled water in battery so solution is about half an inch above the top of the plates. Scoring is often caused by the lack of oil. Wooden wedges, forced between

the mud-pan and frame, will sometimes eliminate rattles. Never operate a car with worn-out brakes.

Wobbly Wheels.
A slight wobble of a wheel of only one degree actually drags the tire sideways 920 feet in each 1,000 miles, which causes excessive strain on the car as well as on the tires.

Spark Plugs.
Every time a spark plug is removed for cleaning a little graphite should be spread on the threads. This will permit the plugs to be set down to their limit without danger of destroying the threads and at the same time the graphite will help prevent leakage of the gas under compression. The plugs will be easily removed next time.

Attention to Car Tops.
When cleaning the top of a car first of all give it a good dusting and follow this up with a sponging of warm water and castile soap. A chamomile skin kept especially for the purpose will hasten the drying. Never fold the top until thoroughly dry.

Tightening Cylinder Nuts.
The holding down nuts of the cylinder head should be tightened periodically if the cylinder head is taken off for any reason. In replacing the part should be tightened up again by screwing down opposite nuts. Each nut should be turned a little, then its opposite should be screwed somewhat, and so working around the cylinder head. If one nut is tightened all the way there is danger of springing the part.

When a Motor Talks.
"Keep cool," says the Fan.
"Retire early," says the Casing.
"Be a good fellow," says the Wheel.
"Avoid friction," says the Bearing.
"Brighten up," says the Headlight.
"Cut out the noise," says the Muffler.
"Don't blow too much," says the Horn.
"Don't be a knocker," says the Cylinder.
"Be a good mixer," says the Carburetor.
"A quick turnover is what counts," says the Crank.
"One good turn deserves another," says the Starter.

To Tow a Car Properly.
When towing a damaged car the car to be towed should be as nearly as possible in line with the towing car. Do not tie the cars any nearer than ten feet apart. Attach the rope to the front frame or spring of the towing car. Tow lines should never be attached to the right side of one car and the left of another. Lines should be put on the same side of each car. See that the gears are not meshed, and that the brakes are released on the rear car.

Watch Your Car.
A motorist who shuts off the gasoline feed line of his car as a protection against having it stolen will probably find the enterprising auto thief attaching a half-gallon can of petrol to the windshield, running a rubber hose from it to the carburetor, and immediately the car changes ownership.

Oiling the Clutch.
A leather-faced cone clutch, which treated with Neatsfoot oil, should be depressed all night so that the oil will have an opportunity to soak into the facing. The clutch can be released by sawing a block of wood

of proper length and fitting this between the pedal and the base of the seat.

Starting on Hills.
A simple method of starting from a standstill on a hill is to release the clutch, place the gear in first speed, and holding the car with the hand brake, engage the clutch while the engine is accelerated with the foot throttle, gradually releasing the hand brakes. If there are two or more passengers, one can get out and place a large stone back of the rear wheel, which will hold the vehicle, and the car can then be started as easily as when it is taken from the garage.

Importance of New Plungers.
When tires have been run for a considerable length of time, put new

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plungers in the valve, even if the old ones appear satisfactory. The rubber washers in the plungers become stiff and hard after a time, and it is a good policy to change them at least once a year. Operation of a carburetor is affected by changes of atmospheric conditions. An automobile is a dangerous implement in the hands of an incompetent person.

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church

"Remember the Sabbath Day—" What about changing tires on Sunday? It is "labor" and it is unnecessary. Also consider the dark thoughts and wicked words that a tire-changing motorist has to answer for. It should make one think seriously about tires. Keep the Sabbath by having good tires on your car. Motoring to Church is sanctimonious enough, but you should always go in a car that has "Gutta Percha" Tires, giving you no cause for labor or bad words, or worldly anxiety about "blow-outs," but a mind calm, receptive and serene.

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