

AUTOMOBILES

Barney Oldfield says:



KEEP YOUR CAR CLEAN

By using modern methods the car owner of today may keep his car looking new all the time, and will not have to spend more than a few moments a day to accomplish this. For instance, there are now in the market a number of liquid and wax polishes which will give admirable results if they are used as directed.

In the use of wax polishes the first step is to clean the body of the car thoroughly. The polish is applied to the surface with a piece of clean cloth and then another clean cloth is used to distribute the wax evenly all over the surface. Car owners commonly make the mistake of thinking that the more wax applied the better. As a matter of fact, a very thin film is all that is needed. The polish will last for from four days to a week. After that a little rubbing with a clean cloth will bring out the lustre again. The wax polish may be used for body, fenders, hood and other lustrous surfaces. If the under side of the car is cleaned and given a good coating of wax less mud will be deposited and what is there may be easily removed.

Do Not Rub Vigorously

In using sprayed liquid the body must be thoroughly cleaned with water. If the body surfaces are merely dusty the polish may be sprayed on and then wiped off with a clean cloth. After spraying the polish over the surface a piece of cheese cloth is used to wipe off the excess. There is no necessity for vigorous rubbing.

One of the big steps forward is in the new methods of surface finishing new and old, so that no dirt will adhere. These methods of systems have various names, but all deposit a hard wax coat over the varnish. They are for the most part very effective.

The present day car owner must not assume that these new and really useful aids to beautifying the motor car have superseded plain water. The contrary is true, for the car must be washed just as formerly. The new polishes will bring out the lustre of the original finish.

Wash Car Immediately

Washing the car is not the casual job some owners seem to imagine. To begin with the car should be washed immediately after it has become dirty. If mud is allowed to remain on the varnished surface more than a day it is difficult to remove it. For the washing plain water should be used, but too hot nor too cold. A large sponge soaked in clean water and then sopped against the surface so that the water trickles down is the best method. Never turn a stream of water at high pressure on the body. This will grind thick particles of sand and other grit into the varnish to the detriment of the finish. The best way is to float the mud off the surface.

Soap should never be used on the body except for removing grease or oil spots. A small piece of soft cloth, well covered with castile soap suds serves very well to remove grease from the panels. The hood should never be washed while it is hot, as this will result in discoloration. In cleaning the radiator send a stream of water from the rear instead of the front to keep moisture out of the mechanism.

Top and Upholstery

In drying the body a clean chamois skin should be used, rubbing being done in straight lines. If spots of tar or road oil are found on the body it is best to treat them with salt, butter or kerosene. The butter should be deposited so that it may be wiped off easily. Kerosene should be applied locally and wiped off within a minute.

To keep pace with the improved appearance of the body it is necessary to give some attention to the top and the upholstery. A weekly brushing of the top inside and out will materially add to its life. Fabric tops should never be cleaned with gasoline, kerosene or other oils, as they tend to destroy the rubber in the top. Castile soap and water applied with a stiff brush is the best cleaning medium for the top.

The upholstery ought to be cleaned once a week. This means not only wiping the surface of the cushions but cleaning the dirt that inevitably accumulates under the piping and in the corners. After the dust has been removed leather upholstery may be cleaned with a cloth soaked in a solution of ammonia and water. Castile soap and water are also used on leather. Gasoline should never be employed because it tends to crack the leather. The leather should be treated occasionally by giving it a light coating of linseed oil, thinned with vinegar. This solution should be applied with a cloth and be allowed to remain for a few hours, after which the upholstery should be wiped. For imitation leather soap and water may be used for removing spots. Linseed or sweet oil in small quantities also may be used.

"ASK ME"

Questions Answered by Barney Oldfield

Dear Barney Oldfield—I live in a mountainous region. In coming down grade some drivers use reverse as a brake. Have you any information as to why this should not be done?—E. H.

It is not a good thing to press the reverse pedal except in case of emergency. If you want to retard the speed of the car, press the pedal into first gear. Using reverse is harmful to the transmission and drive when used under the conditions mentioned.

Dear Barney Oldfield—Please tell me the easiest way to detect a piston slap and lost compression.—D. T.

It is a difficult thing at best to be sure a noise is a piston slap. In so many cases it is a guess, and it really doesn't matter for whatever the cause of the noise the engine must be partly dismantled to get rid of it. You can locate the faulty cylinder simply by shorting the plug and listening for a change of sound when the cylinder is not firing. A piston will slap louder when cold than when the engine is running hot; it also will slap louder under load.

Dear Barney Oldfield—When the engine of my car runs very slow, and it is with the gas and spark retarded all possible, there is a slight knock which appears to be at the first exhaust valve from the carb. I had it at the garage and they seemed to have found the noise and it was not heard very plainly for a few weeks but now

NASH INTRODUCES NEW SPORT MODEL THAT'S A BEAUTY

Demand So Great That It's Doubtful If Supply Can Meet It.

The new Nash sport model, just introduced, is pronounced by those who have seen it to be a distinct achievement in finished excellence, performance and equipment.

Shipments of this new model began October 1. Its appearance on show room floors at points where it has been received, has attracted instant attention and in view of the fact that the new sport model can be furnished by the factory this year only in limited quantities, it is doubtful whether the supply will begin to equal the demand.

The price is \$1,875 f. o. b. Great Falls. The shapely maroon body of the new Nash sport model is swung low to the road. It is set off by handsome bumpers front and rear, six disc wheels, two spares with extra cord tires and tire covers mounted at the front on either side. In the rear is a trunk with water proof cover, trunk rack, windshield wiper, nickel plated cowl lamps, nickel plated combination stop and tail lamp, radiator shell, cowl ventilator, motorometer, locking type monogram radiator cap, silk mohair top and windshield wiper.

The running boards are equipped with special covering and aluminum step plates with metal filled rubber pads. The guard bars at the back of the body are nicked. The upholstery is Spanish leather.

In short the new Nash sport model is so excellent in point of performance and so attractive in appearance that its reception on the part of the public indicates it has special precedence in the fine car field. It is equipped with the Nash perfected valve-in-head motor, easy riding springs and possesses all those features that have won for Nash so distinguished a position in the automobile industry.

Dear Barney Oldfield—Could you tell me if it hurts or carbonizes the car to keep the choke out when running; when the gasoline mixture is too rich so that the engine stops when idling or knocks when going up hill. Would it be better to have a richer mixture.—G. M.

Better to have a richer mixture. You cannot get a proper ratio with the choke applied and it will carbonize the engine rapidly.

Putting Towns on Map to Attract Motorists

"What can our town do to attract motorists?"

"This is a question which many live communities are asking," said A. P. Heaney, Montana Velle distributor.

"To bring to their towns the trade of as many as possible of the thousands of motoring tourists that thread the highways they are casting about for local interests such as sights of nature, architecture or art or fine camping places that can be featured to motorists. They are stirring up the hotel men, the merchants and the local officials to put the town on the map, in such a way as to bring the tourists.

"This applies particularly to smaller towns. Keene, New Hampshire, is an interesting illustration. That town features to motorists what is said to be the widest cement paved street in the country. It measures 140 feet from curb to curb. It is made of seven-inch reinforced concrete and the slabs are laid directly on the soil. The city considers the street a paying investment. Keene has a population of 11,500 persons and 5,000 elm trees."

INCREASE TIRE OUTPUT

All the leading tire manufacturers in the United States are preparing for a heavier output in 1923. The requirements for next year are estimated at 40,000,000 tires.



Yes sir, it's just like the original

DETROIT SPRINGS

When you replace a broken spring with a new Detroit spring—you restore the riding qualities of your car or truck. In addition to automobile springs made according to the factory specifications we carry in stock the following truck springs and mailboxes:

Ford, Dodge, Graham Bros., McAll, Nash, Reo, Studebaker, Form-a-Truck, Studebaker and White.

All Springs sent C. O. D. on First Train After Receipt of Order.

ROBT. H. SWAIN
Distributor
113 Third Street South

CUTTING OF STREET CORNERS IS SCORED

If you cut corners in the city or cross intersecting streets at greater speeds than the law allows, or speed between crossings, or pass standing street cars within the legal limit and at high speeds, you are breaking laws that may result in serious personal consequences and the "coppers" will get you if you don't watch out. As a matter of fact there is no sense in deliberately breaking any of the motor vehicle laws. It is just as easy to turn a square corner as it is to cut across and much safer. Speed at street intersections is dangerous to yourself as well as to others. You gain a tenth of a second in time if you get across safely, and no one is in such a hurry as all that. There is much occasion for the sarcastic comment to some drivers, "Where's the fire?"

CUT IN OVERLANDS PROVES LOW PRICES FINDS MANY BUYERS

Prospects Were Waiting for Real Value Now Made Possible.

There are more prospective buyers of real motor car value at popular prices than even dealers had previously supposed, according to Lee Forest of Overland-Forest company.

Supporting this is cited the public's reaction to Overland's new low prices. Sales of this car indicate that many prospective buyers had just been waiting for the latest value increase before making their investment.

Overland's all-steel body, real baked enamel finish and large, strong rear axle, are among the extreme values at the new low price which especially attract buyers.

MINNESOTA PLANTING HIGHWAY TREES ALONG HIGHWAY

To make Minnesota famous as "the state with the tree-lined highways" is the object which the forestry department of that state has set out to accomplish. The department will plant 30,000 trees along the highways this year and each year hereafter will add to the number. What Minnesota is doing is also being done in Pennsylvania and many other states. Experts declare that if the trees are set back far enough their roots will not injure road pavements.

HAIR TOO BIG

Do you know that a hair's breadth, so commonly referred to because of its gauge as a figure of speech for accuracy in estimating distance, is a big measurement for automobile manufacturers? A hair is a big measurement, and is often split, in the manufacture of vital parts of fine motor cars.

VELIE SCORES HIGH ON MILEAGE TESTS FOR SIX CYLINDERS

Has Highest Average of Four Leading Makes Investigated for Engineering Magazine.

How many miles per gallon under average travelling conditions may reasonably be expected of a light six-cylinder car?

Reports on a general investigation of 1922 performance being made to the national organization of Velle dealers throw interesting light on the subject, according to A. P. Heaney of Great Falls.

A statistical bulletin, printed in the Engineering Magazine, shows an average of 19.6 miles per gallon of test-measured gasoline for Velle Model 58, the highest average mileage per gallon of the four leading makes that participated in the test. In car weight (affecting tire economy), Velle 58 was shown to be the lightest. The weight of the stock Velle participating was 2,850 pounds.

This report was from a statistical department not associated with car manufacturer or selling. Tests were also taken for vibration, silence, slow pulling and pick-up. At three miles, 25 miles and 50 miles per hour the Velle-built motor showed no vibration, fully substantiating the claims for its advanced features in overhead valves, automatic lubrication and solidity.

Velle dealers continue to send in reports of records in their respective territories. The Stacy-Trent Motor Sales Corporation announces the results of a 2900-mile trip by Lewis D. Eldridge, of Trenton, N. J. The entire trip was made in a Velle 58 stock car on 125 gallons of gasoline and one gallon of oil. The route taken by Mr. Eldridge was from Trenton to Niagara Falls to Sandwhich, Ill., returning by way of Wheeling, W. Va., and Baltimore. In the trip 350 miles of mountains were crossed, and even under such conditions Mr. Eldridge averaged over 24 miles per gallon.

MOTOR CARS ADOPTED BY SWEDISH PEASANTS

All but one participant in a recent farmers' festival at Kalmar, Sweden, attended the event in motor cars. "In that particular section of Sweden," says a consular report to the United States department of commerce, "ox carts not long ago were the only means of communication.

Two thousand two hundred and thirty passenger cars and 798 motor trucks were brought to Sweden from foreign countries during the first six months of 1922.

Dodge Steel Sedan Combines Lightness and Strength for Business

A new type of car manufactured by Dodge Brothers is the business sedan of steel. This construction represents a great advance in sedan design. It permits the virtually permanent enamel finish, which has always been the distinctive quality of Dodge Brothers' touring car and roadster. It affords an ideal union of body lightness and strength, according to George Prentice, Dodge distributor in Great Falls.

The seats are upholstered in genuine grain leather. The rear seat cushions are separate units and can be removed in a few seconds, converting the entire rear section of the car into a spacious carrying compartment. The front seat tilts forward, affording perfect clearance through the rear doors.

This convertible feature is new. Business men, salesmen, farmers, tourists, campers and every one who has occasion at times to use a passenger car for carrying bulky articles or cumbersome luggage will appreciate its striking advantages.

EXPERT RADIATOR REPAIRING

During the coming cold weather protect your radiator from freezing by using denatured alcohol. We have a supply ready for your needs.

Montana Auto Radiator Works

FRANK LAGERVALL, Prop. Phone 6814 Great Falls, Mont.

STANDARD OF THE WORLD

CADILLAC WHITE TRUCKS

Cadillac-White Sales Co.

Distributors 609-11 First Ave. So. Phone 9474



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If You Made Your Own Gasoline

WOULDN'T you strive to make it satisfactory from every standpoint rather than a little out of the ordinary in one respect or another? You'd naturally try to get a gasoline that would do the whole job under all conditions — one that was thoroughly dependable in starting, pick-up, power and mileage. You'd hardly be satisfied with wonderful pulling power on the hills if you got it at the expense of low mileage or balky starts, would you?

The uniform dependability that most motorists demand is the chief reason for the year-in-and-year-out popularity of CONOCO, the balanced gasoline. Long experience and constant care together with the most modern refining methods are responsible for its correct range of boiling-points and each group of these in exactly the right proportion to give it the balance that is needed in the ideal gasoline.

During the many years that CONOCO has been available, many "phenomenal" motor fuels have from time to time been offered the motoring public. Probably you have tried one or more of these in your search for gasoline satisfaction. But the fact that CONOCO is still the popular gasoline is striking evidence that the majority of gasoline users prefer all-round excellence to one-sided superiority.

Try CONOCO for a month — a fair test — and watch its performance from every standpoint. You'll find all the good qualities you've been looking for in a gasoline and you'll be done experimenting with other brands.

The life and power of your motor depend on its proper lubrication under all conditions. Get POLARINE, The Perfect Motor Oil, and be sure!

THE CONTINENTAL OIL COMPANY
(A Colorado Corporation)

Albuquerque	Denver	Pueblo	Boise
Butte	Great Falls	Salt Lake City	Cheyenne



CONOCO GASOLINE

Reg. U. S. Pat. Off.

CONOCO GASOLINE

Conoco, the balanced gasoline, more than meets the U. S. Navy specifications for motor gasoline

Are You Ready For Winter?

You get your coal bin filled, put on the storm doors and windows, get out your overcoat when it turns cold but—how about the oil or grease in the differential and transmission of your car.

Mutual Lubre-Kar

MUTUAL LUBRE-KAR is a high grade specially compounded grease for the transmission and differential. It is a dark green grease with the proper body—not too light—not too heavy.

By a special MUTUAL process all the properties that cause a grease to stiffen or congeal in the cold weather are removed, without changing the lubricating qualities in any way.

It Will Not Freeze

MUTUAL LUBRE-KAR will not freeze. Think what this means—easy gear shifting—perfect lubrication, no chance for the gears to channel and run dry as is sometimes the case with oil or ordinary grease. You ought to use MUTUAL LUBRE-KAR. It's not expensive when you figure the service and satisfaction that it gives you.

MUTUAL OIL COMPANY
PRODUCERS—REFINERS—MARKETERS

Mutual Building — Great Falls

CONOCO GASOLINE