LOW SPEED IS BEST

To Make Haste Slowly Safest Way Out of Mud.

RACING MOTOR IS FOOLISH

Wheel Turning Slowly Has Better Traction Than One Revolving Fast, Though Few Motorists Seem to Realize This Fact.

Many owners pay good money for being towed but of trouble when there is no need for it whatever. The expression "digging one's own grave" covers a practice which only can result from a lack of knewledge of the correct manner of getting traction.

Most people do not know that the slower a wheel revolves the more traction it has. Nine owners out of ten,
when stuck in the mud, will put their
ears to low gear and then race their
motors for dear life, even trying second speed sometimes to try to get more
speed. With the wheel going at such a
speed it is impossible for the wheels
to get any traction, even if atraw or
fwigs are placed beneath them, and, in
snow or ice, even tire chains will be
alipped around idly.

Deen Treach Dug.

Deep Treuch Dug.

Deep Treach Dug.

The effect is usually to dig a deep hale into which the wheel sinks, thereby only increasing the difficulty. Why some owners in this predicament will continue the silly racing of the motors, now backing and now trying to go forward, someone more philosophical than the writer will have to explain.

However, if motorists will take the tip, they can avoid the ferrors of a self-dug grave by keeping in mind the foregoing facts—the slower a wheel turns the more traction it has.

Now, assuming one to be in a place with no truction, clear away any stone, large sitck or other solid impediments and lay atraw, twigs or other similar material in front of the wheel which is doing the silaping and put the ear in low, speed your motor only sufficiently to take the clutch without stalling. Then cautiously slow down the engine until either one of two things happens, namely, the car moves or the cugine stallis.

Engine May Stall.

Engine May Stall.

If the engine stalls, start it again and begin all over. If the car starts, repress the impulse to step on the acrepress the impulse to step on the ac-celerator, keep the engine turning slowly. If the engine stalls, which is likely to happen, when you are just half way out of the hole, be ready with your brake, put on your hand brake cheugh to hold the car from slipping back. If possible, or, better yet, have someone behind with a block or a brick block the wheel against slipping

If the brake is used to hold the car, which will be the care if all alone, do not release it before engaging the ciutch when you try again. The engine has power enough to turn the wheel slowly, even if the brake, is on. As soon as it has taken hold release the brake.

Repetition of this process will get your car out of a beg if anything on earth will. If you avoid at all hazards any more speed of the engine than will keep it turning, you will avoid digging yourself in deeper at any rate.

IDLING ENGINE IS WASTEFUL

Much & Gasoline Is Used Through

There are many ways to avoid gasoline waste. One is not to allow the
engine to run lide, except when absolineing many may not accelerate as
saide. The car may not accelerate as
lapting and may cough a little when
it is could; but if you will get much higher milesage.

For a young fellow, I have had a
presty wide experience in the automobile business. It dates back to
live waste. One is not to allow the
engine to run lide, except when absolineing many more as a lean a mixture as possafe. The car may not accelerate as
lapting and may cough a little when
it is could; but if you will be patient
with it you will get much higher milesage.

For a young fellow, I have had a
presty wide experience in the automobile business. It dates back to
librate that it takes more room to
libre car on a slippery pavement. Itemember that it takes more room to
bring the car to a stop on ice or wet
adjusted, and one takes hold more than
adjusted, and one takes hold more than
lapting waste on the other, this will tend to etart a side
on hard; apply them as gradually as poslibrate. If a machine has automatic
mobile business. It dates back to
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mobile business. It dates back to
libre car on a slippery pavement. Itemember that it takes more room to
bring the car to a stop on ice or wet
subscite. If a machine has automatic
betres will slide.

Do not drive too closo behind another car on a slippery pavement. Itemember that it takes more room to
bring the car to a stop on ice or wet
subscite. If a machine has automatic
betres will slide.

Do not drive too closo behind another car on a slippery pavement. Itemember that it takes more room to
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determined.

All only the oil only there
do not drive too closo behind another car on a slippery pavement. Itemember that it takes more room to
subscite. If a machine has dethine the
chine is standing.

with it you will get much higher mileage.

Every car has an economical speed, usually between 12 and 18 miles perhour. Try to drive at those speeds, says Milestones. Accelerate gradually, as this requires less gasoline than trying to reach top speed quickly. Anticipate your stop, close the throttle before you reach the stopping place, and coast to a standstill.

Keep your car running at top efficiency. This means keeping the motor free from carbon, as a carbonized motor resumes an excessive amount of fuel. Use a good grade of oil in the motor, and keep all moving parts well inbricated to reduce friction losses. Bun the car on high as much as possible, as this is the economical speed. Keep the ires well inflated, as soft tires waste power. See that the brakes do not bind and cause friction when the car is running. Finally, use kerosene instead of gasoline for cleaning.

CAR OWNERS GET MORTGAGE

Whole United States Open to Travel

ADVICE IS GIVEN ON SKIDDING

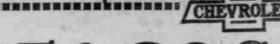
Whole United States Open to Travel ADVICE IS GIVEN ON SKIDDING by Man With Auto.

With the purchase of an automo-

"In addition, by reason of the automethile's high state of perfection, the
owner can readily count with full assurance that the life of his car is good
for a great many more miles than he
will ever have occasion to go."

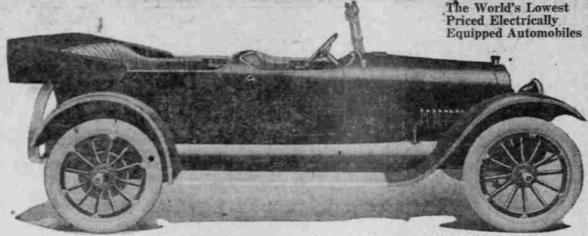
Declarate the not ears covered.

Non-skid tires and chaims are a valnable ald against skidding, and will
help to keep a car under control, but
they do not protect at all speeds. Not
all rough tread tires are effective helps



\$51.30 Saved

The Chevrolet Motor Company notify us that owing to the increased cost of materials, labor, etc., they are compelled to advance prices. THERE WILL BE NO CHANGE FROM THE PRESENT MODELS. As long as the cars we have on hand last, they will be sold without the advance in price.



Model "490" Five-Passenger Touring Car, Present Price \$715

"FOUR NINETY" Chevrolet Features Self-lubricating patented

Clutch Collar.

hevrolet patented ad-justable steering assembly.

Ventilisting windshield.

Famous Auto-Light elec-tric system complete-generator, starter and Willard battery.

Crown Fenders Sweet - running valve-in-head motor.

Average over 25 miles per gulion of gasoline. Easy-riding, Cantilever springs.

Three-speed welective type transmission.

Table Showing Higher Priced Cars Using Chevrolet Equipment



\$715.00 Model "490" Light Truck, without top. \$675.00

Model "490" Light Truck, with Top, \$695.00 del "490" Light Truck, with Panel Body. \$740.00

"FOUR NINETY"

Chevrolet Prices

Model "490" Two-Passen-ger Roadster

\$700.00

Model "400" Five-Passen-

fodel "490" Two-Passen ger Coupe \$1,180.00 Model "400" Five-Passen-ger Sedan \$1,180.00 F. O. B. PORTLAND See All Models at Auto Show.

A CAR WITH MANY RECORDS

Established a reputation in being the only 4-cylinder automobile to climb Hall-street hill on high gear.

Beat the time of the Shasta Limited to Eugene by 19 minutes, making the sensational run in 3 hours and 45 minutes, demonstrating the speed and endurance of the Chevrolet. Chevrolet leads all other electrically equipped cars in sales for Oregon in 1917.

REGNER & FIELDS, Inc.

SALESROOM (East Side) GRAND AVE. AT BURNSIDE SALESROOM (West Side) BROADWAY AT BURNSIDE

Harry W. Lyon-By Himself.

Distributor for Paige Car Has Had Wide Experience in Automobile Business.

FOR a young fellow, I have had a

Turn Wheels in Direction of Skid to

"With the purchase of an automehile owners secure a mortgage, theoretically speaking, on the entire area of
the United States," bays Del Wright,
imanager of the Pacific KlaselKar
branch in Portland.

"They have purchased the means of
going anywhere and everywhere, at any
time, irrespective of season and independent of any other means of locomotion.

Skidding is one of the troubles of
Winter driving, and it behooves the
driver to be on the alert whenever
there is snow or ion on the highways,
says Milestones. Most skids are caused,
by excessive speeds, which are further
particularly dangerous in the Winter
there are the motorist then drives with
the outer.

pains to select those which are really well designed to prevent slipping, you will secure considerable protection. Where chains are used the whool may top when an unprotected point be-ween the links rests on the pavement, or at excessive speeds the chains them-

About the only thing the driver can It is as good as new. do if a skie does start is to turn the front wheels in the direction of the skid. If it is not necessary to stop keep on the power, as the rotation of Be careful about using lubricating the rear wheels will help to straighten

GERMANS SHOW OIL ECONOMY

Sad Straits of Tentons Furnish Use

valuable in any country. They said:
Use only closed oil cans with spouts
that will deliver drops, or at most only
a thin stream.

Use all lubricating apparatus strict by according to their instructions, and put the ed only where it will actually lubricate. If a machine has automatic droppers, shut off the supply while machine is standing.

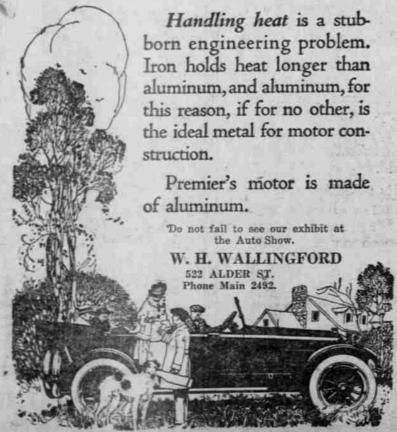
oil for cooling a bearing. Water will often do as well.

Be careful about using oil for clean-ing and polishing. Never clean the hands with oil. A greasy cloth will do as well.

News from Germany by way of Denmark indicates that the machine shops of that country are giving hints on to wear and tear very quickly.



The Aluminum Six with Magnetic Gear Shift



inger touring car, \$2285, f. o. b. factory-plus war tall



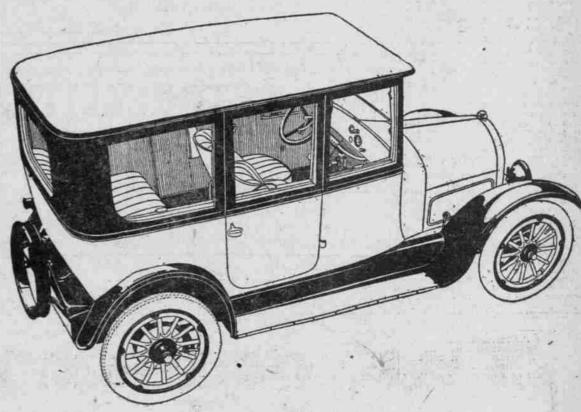
The Thrift Car

Bad weather does not deprive the nation of the full services of busy men and women who use this Overland Small Sedan to save time, protect health and increase activities.

Adjustable windows-refined interior furnishings-divided front seats-room for five.

This car meets the dictates of propriety and good taste as fully as it complies with the wisdom of economy

Why delay?



Appearance, Performance, Comfort, Service and Price

Light Four Model 90 Small Sedan. 'f.o.b. Toledo-Tax Free Price subject to change without notice

The Overland Pacific. Inc.

Broadway 3535

Broadway and Davis Street.

-The sixth oldest Federal built is still working a few miles from

Portland on the roughest roads in

1 to 5 Tons

the state.

Sizes



Federal Trucks are today doing the work right here in the

Northwest and that shows the stamina, quality and strength that are built into them.

FEDERAL-IZE

is the answer to your haulage problem. The best thing that can be said for a Federal, aside from its mechanical superiority, is the fact that 65 per cent of all Federal orders are from previous owners of Federal Trucks.

That's a record that it will pay you to investigate.

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Oldest Motor Car Dealers on the Coast, with branches at

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Fresno, Oakland, San Francisco

Opp. Central Library—Phones Marshall 232, A 1236.

AUTOS

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General Garage Business, Towing, Repairing, Wash-

ing and Polishing

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TENTH AND YAMBILL,

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