

STATE HIGHWAYS TO BE NUMBERED FOR TRAVEL AID

Oregon Officials, Working on Plans, Tentatively Decide to Adopt Wisconsin System.

Plans for numbering the state highways are now being worked out by the state highway department. It has been tentatively decided to adopt what is known as the Wisconsin system in which is connected to be the most practical one in the United States. In this system the highways are designated by numbers. Wishing to go to a certain point the traveler ascertains the number of the highway leading thereto and follows it. For example, applying the system to Oregon, the tourist wants to travel over the Pacific highway. Looking up the road map and making inquiry at a hotel or garage he learns that the number of the highway is two. He is directed how to reach the highway and when once on it cannot get off so long as he follows the number displayed along the road.

In addition to this number there will be at the junction of prominent roads and at occasional points along the road information as to distance between principal points. A form of sign under consideration is an elliptical plate of galvanized iron fastened to an iron post set in concrete to give permanency. The lettering on the signs will be made with aluminum paint. The signing of the state highway will involve considerable expense, roughly estimated at \$40,000 or \$50,000. The work of installing the signs will be progressive as the work of improving the roads is completed.

CARE IN DRIVING WILL CUT EXPENSE IN TIRE'S UPKEEP

The recent increase in tire prices has probably set many motorists thinking how they can economize on tires. Trying to get just a few more miles from the old ones before discarding them is the first thought that will come to the average driver, but there are other ways by which tire expense can be lowered.

HOWLAND POINTERS

A little more care in driving and seeing that the front wheels are always kept in alignment will add many more miles to your tires. F. L. Howland, manager of the Miller Tire department of the Northwest Automobile company, strongly advises drivers to keep their front wheels in alignment. "A good way to find out if your wheels are out of alignment," says Mr. Howland, "is by measuring the distance between the rims of the front wheels, in front and on a line with the hub; and also in the rear and on a line with the hub. Spinning the wheel will also show irregularity, but not necessarily misalignment. A slight play in the bearings, causing the wheels to wobble, will also cause a heavy wear on the tires."

"When the wheels are not in line they roll over the road with a slight side or skidding motion. This causes an increased wear on the tread because it heels and scrapes the tread very rapidly no matter how slight the wheels may be out of true. Loose bearings will even cause tires to wear when the car is standing still. If the engine is running the vibration will cause the wheels to wobble, but in this instance the wear will all be on one spot—that on which the wheel is resting."

EXAMINING WHEELS

"It is always well to examine the wheels for irregularities after a trip in the country. Turning out of the road on meeting cars coming in the opposite direction forces the right wheel into the rough surface at the side of the road and the wheel is likely to receive severe glancing blows which may cause a slight misalignment. In overtaking cars, passing to the left causes the same result."

"Because the driver sits, with very few exceptions, on the left side of the car he is frequently prevented from accurately gauging the distance between the right front tire and the curb when driving up to it for a stop and often the wheel is jammed into the curb. Constant repetition of this will also cause the wheels to be thrown out of alignment. Driving along streets and tracks is another way of causing damage. The strain on the rims produced by the effort to get the auto over to the side of the road will in time force the wheels out of line."

PROPER ADJUSTMENT

"Carelessness in changing tires will add its bit to their destruction. If the removable rim clamps are properly adjusted the tire cannot take its proper position on the wheel and consequently it runs with an irregular motion. Improperly adjusted rims will also frequently cause the bearing to become worn or broken and will even bend the axle or spindle."

"By examining the tread on the tires occasionally a very fair indication can be seen if the wheels are the least bit out. There will be a noticeable wear in the center of the tread. Under ordinary wear the whole surface of the tread will wear evenly, but where the wheels are not in line a distinct wear will be noticeable, probably not more than an inch and a half or two inches in width, in the middle of the tread."

"A few simple preventative will save many tire dollars. Don't bump the curb sharply, avoid running along street corners, keep the bearings tight and do not take curves too sharply."

CONSERVE GASOLINE

"Bracing Running Board. To give the running board of the Ford car the stiffening it usually needs pull the ends of an old iron bed rail behind the front fender. Long hooks are next connected to the center of the rail and to the frame of the car. This gives the running board the bracing it needs."

Loose Nuts Often Do Serious Harm

Loose check nuts in the connecting rods in the braking system of the motor truck may become the cause of a serious mishap if they are not taken up in time. When the check is removed from the turnbuckle or other adjustment, which it is supposed to guard, the tendency of the vibration is to loosen the adjustment of the bands. As this may occur while the truck is running, the possibility of having the brakes fail, owing to slack adjustment and without previous warning, should be borne in mind.

Car Can't Be Taken Simply for Granted

Unless a reasonable amount of time is given over to the care of the car, summer touring resolves itself into one interruption after another.

At this time of the year when night driving is so popular, one of the most serious troubles is brought about by the failure of the headlights. In order to keep the battery at full efficiency it is necessary to bring each cell to level at least once each week. If this is not done the excessive exaporation due to extra charging and summer heat reduces

quickly the volume of electrolyte. The battery ought to be tested weekly, connections cleaned and the cables and wires to the rest of the system gone over.

CONSERVE GASOLINE

Contracts for Rock. The Clatsop county court has awarded contracts for quarrying and crushing rock at the county's three plants in the Nehalem river valley. Contracts have also been let for quarrying and crushing rock at what is known as the Summit plant near the junction of the Hamlet and Tillamook roads.

CONSERVE GASOLINE

Coil Capacity. The ignition coils commonly in use are made for the voltage that is obtained from five or six dry cells. If a greater

number than this are connected up in series, under the mistaken idea that there will be greater efficiency, the probable results will be the burning out of the condenser and consequent ruin of the coil.

CONSERVE GASOLINE

Apply Brakes Slowly. Carelessness causes as many accidents to automobilists as chance, and poor management put together. It's careless to stop suddenly in crowded traffic. The man behind you may not be able to stop as quickly and a rear-end collision results. Unless in an emergency, apply your brakes slowly and with just enough pressure to bring your car to a quiet

Reeves Heads Road Plans in Lebanon

A. M. Reeves, one of the leading business men of Lebanon, has been appointed to have charge of the work of the Oregon Good Roads and Development association in this section. The appointment is an excellent one, as Reeves is capable and an enthusiastic worker for the development of the country along all lines. Lebanon is also honored by the appointment of Attorney M. D. Shanks to a place on the executive committee of

the same association. This appointment comes in recognition of his work in the legislature in the interest of good roads movement.

CONSERVE GASOLINE

More Mileage. Oil has a habit of collecting in little puddles in the depressions in the cement floor of the garage. This should be removed, because the tires are almost sure to get into it, and if you let a section of the shoe become soaked with oil, the affected rubber will soften and undue wear will follow. The deterioration will be similar to that resulting when rubber is improperly cured.

Adams Co. Awards Surfacing Contracts

At a meeting of the board of Adams county commissioners at Pasco a contract was awarded to A. E. Velguth for the surfacing of a little over 10 miles of that portion of the Central Washington highway leading from Council north to the Adams county line, the contract price being \$37,050. This leaves only a short stretch of road to be surfaced in Adams county in order to have a continuous surfaced road from Pasco to Spokane.

We Must Have Cash!

We bought heavily when we found that the cost of auto accessories would continue to rise. Then we moved into our new location at 111 North Broadway. These expenses were tremendous. Now more goods are coming in—faster than we anticipated. The bills must be met. There is only one way—we are taking it!

For a Limited Time Only We Are Placing on Sale
Our Immense Stock of

AUTOMOBILE SUPPLIES

Prices Cut 25% to 75%

Our low prices will simply astound you. All new goods. Everything you need for your machine. All slaughtered right at the opening of the driving season. Come—buy and save. Buy early. Some of our lines are limited. When sold out we cannot replace them for sale at these tremendously cut prices.

FORD OWNERS

Here's Your Opportunity

Ford Replacement Parts 25 Per Cent Off List. All kinds of Ford Supplies slashed—some of them 75 per cent.

Ford Switch Coil Locks

Tempcos with two keys.....Reg. \$3.50 NOW \$1.39
Syracuse Switch Locks.....Reg. \$1.50 NOW .69
Foot Pedal Locks.....NOW .69

Tire Holders

Rear or Side Holders.....NOW \$2.69
Ford Tire Holders.....SPECIAL \$1.69
Others for as low as......89

Shock Absorbers.....\$3.49 Ford Starters.....\$5.89
Ford Timers......98 Commutator Wires......59
Valve Grinders......59 Coil Protectors......19
Head Lamps.....\$5.98 Robe Rails......45
Side Lights (pair).....\$1.59 Clocks.....\$2.98

Many other things reduced in the same drastic fashion. Come, take your pick—but come early or they may be gone.

\$1.98 Inner Tubes—Any Size

No matter whether they retail at \$3.50 or \$6.50, all go at \$1.98 during sale. You won't see these prices again for many a long day and you know it. On account of low price we are removing guarantee. Stock up. Buy quick before supplies are exhausted.

98c Tire Covers—All Sizes

Values up to \$4, all go at 98 cents. Buy quickly. These can't last.

Oils and Greases

We are almost giving them away—

1 gal. can oil, light.....69c 1 lb. can cup grease.....19c
1 gal. can oil, medium.....79c Other oils and greases reduced in proportion.
5 gal. can light.....\$2.89 Buy quick. Stock up.
5 gal. can medium.....\$3.19

Transmission Greases Heavily Reduced

5 pound pails cut to.....59c
10 pound pails reduced to.....98c

SUPPLIES FOR ALL

makes of cars—Everything from spot lights to bumpers slaughtered—that's all.

ELECTRIC SPOTLIGHTS Regular Our Price
Sun Beam Spotlight.....\$6.00 \$3.98
Kaufman's Genuine Silver Beam Spotlight.....7.50 4.98
Williams Model A Silver Beam Spotlight.....7.50 5.98

AUTO MIRRORS Reg. Price Sale Price
Rear View 5 In., black or nickel.....\$2.00 .98
Diminishing Mirror, black or nickel.....1.50 .89
5 In. Fender Mirror, black or nickel.....3.00 1.98
Round Bevel Plate 5 In. Mirror, black or nickel.....2.50 1.79
5 by 7 Bevel Plate Mirror, black or nickel.....3.50 2.69
5 by 7 Bevel Plate Oval Mirror, black or nickel.....3.50 2.69
Inside Rear View Bevel Mirror, nickel.....3.50 2.69
Truck Mirrors.....1.89

BUMPERS Regular Sale
Black Enameled 2 In. Channel Bumper.....\$7.00 \$3.98
Holliday Nickel Plated Channel for Bumper.....10.00 6.88
Holliday Nickel Plated Channel for Saxon Cars 10.00 6.88
2 In. Nickel Plated or Black Cloverleaf Channel Bumper.....10.00 6.98

SPARK PLUGS Regular On Sale
Blue Streak with spark gap.....\$1.50 .69
Auburn Porcelain 1/2 and 3/4......90 .59
Auburn Mica Porcelain Plugs 1/2 and 3/4.....1.00 .69
High Grade Vulcan Spark Plugs......69
5 Point Spark Plugs 1/2 and 3/4......39
Other High Grade Plugs Slashed as Deeply

VULCANIZING OUTFITS Now
Marve Junior, com-regular.....\$1.00 .59
plete......59
Adams Vulcanizer.....1.00 .59
Super Vulcanizer.....1.50 1.19

HIGH GRADE AUTO JACKS Now
Jacks, screw type, Were.....2.00 1.29
malleable cast.....2.50 1.79
Jacks.....\$2.50 1.79
2 Ton Truck Jack.....5.00 3.98
Buckeye 10 Ton.....20.00 14.95
Truck Jack.....20.00 14.95
Garage Jacks.....6.75

BODY POLISHES Sale
Johnson's Liquid Body Polish, quarts.....\$1.24
Johnson's Liquid Body Polish, pints......79
Johnson's Wax Cleaner, 8 oz. can......29
Waxit Auto Polish.....\$1.25 .98
Waxit Auto Polish......60 .49
Waxit Auto Polish......35 .29

You can buy these for as low as
Trouble Lamps.....98c
Grease Guns.....49c
Combustion Whistles at.....\$2.79
Thief-proof Chains 59c
Rim Braces.....75c
Foot Pedals.....75c
Cushions.....\$1.29
Boots.....19c
Inner Liners.....\$1.89
Hub Caps.....12c
Windshield Cleaners for.....39c
Matts.....79c
Vases.....59c
Valve Insides.....28c
Sponges.....19c
Grease Cups.....8c

TO DEALERS

This sale is open to you as well as the public. You know what the goods cost and what they will cost. We reserve right, however, to limit quantities sold to dealers.

Make a TRUCK Out of Your Old Car

If you want a truck, now is your chance. No matter what make of car, the

During sale only—
new \$350 Maxfer
Truck Maker—

Special \$169

Maxfer Attachment

turns it into an efficient, powerful truck. Look into this special offer of ours at once.



Other Cuts

\$40.00 Storage Batteries, Now.....\$24.98
\$25 Batteries \$15.39

HORNS
Electric Horns \$4.29
Hand Horns.....\$2.98

TOOLS
Many cut to half.
Hammers, pliers, wrenches, screw drivers, chisels, hack saws, drills, etc.

25% OFF
on Brake Linings

DAVID HODES CO., 111 North Broadway

Near Corner of Glisan

Don't Get Our New Location Confused With Our Old Premises—Remember, This Is Our New Address