

FIRST PACIFIC COAST GOODYEAR TIRE AND ITS COUNTERPART ONE YEAR LATER.



TWO TIRES PRODUCED BY BIG LOS ANGELES PLANT, WHICH GO TO MUSEUM. In May, 1919, the present site of the big plant of the Goodyear Tire & Rubber company of California at Los Angeles was a cabbage field...

STARTING SYSTEMS REQUIRE INSPECTION

Look at Wiring Diagram Helps Solve Difficulties.

LAWS FOUND IN BULBS

Study of Basic Principles Necessary to Know How to Find Troubles With Lighting.

Trouble in the starting and lighting system is something that fills the soul of the average car owner with dread. Yet a careful look at the wiring diagram of his car will serve to unravel most difficulties...

SUMMER DRIVING RULES

TRUCK OPERATORS ARE GIVEN POINTERS BY EXPERTS.

Check Up Operation of Machine to Prevent Overheating and Damage, Is Advice.

Summer days, the days when the hard-working motor truck is called upon to render its very best service at a time when operating conditions are the least conducive, are here...

Do you understand the truck's cooling system thoroughly? If not, now is the time to go over it carefully and find out all there is to know about it.

Inspection Is Needed. It is necessary to inspect the entire wiring system at frequent intervals, because open circuits and shorts are likely to occur...

There are two methods of running the wires from the battery to the lamps, etc., known respectively as single and double wiring.

Does the ignition system furnish a spark of sufficient strength? A weak spark due to excessive lubrication of the magnet, dirty breaker or distributor, or weak magnets, will have an effect similar to that of timing and overheating will result.

Are the valves tappets properly adjusted? They should have from .008 to .010 inch clearance, which may be gauged by the thickness of an ordinary postcard.

Are the cylinders free from carbon? If not, remove it. In the oil in the crankcase clean? Gasoline, dirt or other foreign substances will impair the quality of the oil in the crankcase...

Are the exhaust pipe and muffler clean? Practically 40 per cent of

CASCADE ROAD IS GOOD

HIGHWAYS NEAR ALBANY BEING PUT IN BETTER SHAPE.

Albany and Harrisburg Detour on Pacific Highway Declared to Be Best Now.

BRISCOE SERVES AS OFFICE

Trip Selects Delivery Car.

Two hundred cars to pilot over a 1,000-mile journey, 9300 meals to provide for, 200 sleeping accommodations to prepare every night. These are a few of the duties which fall upon the office of Tour Manager Edeburn in the seventh international good roads tour around Lake Superior.

Each year prominent men of the United States and Canada combine in making the international good roads tour a memorable event.

To avoid construction work on the Pacific highway through Linn county, and also on the Corvallis-Junction City section of the west side highway, through crossing Lake Superior and Harrisburg. This detour is shorter than that on the west side road and is much better traveling.

BOY SCOUTS TO YELLOWSTONE

Nash Truck Is Service Wagon for Automobile Cavalcade.

Accompanying 190 Boy Scouts en route by automobile from Clinton, Ia., to Yellowstone national park in a Nash two-ton truck thoroughly equipped for "first aid" service.

More than 50 automobiles are in the cavalcade, which since early in July has been winding its way across the country with its cargo of joyous passengers.

That served only to give added zest to the occasion and for weeks prior to the closing of reservations many odd jobs in and about Clinton were performed by willing hands and savings accounts in the Clinton banks.

Motor-propelled vehicles are in almost universal use for fire departments in cities, towns and boroughs in the United States.

DEVICE WEIGHS LOADS

TRUCKS EASILY CHECKED UP BY SIMPLE METHOD.

Delay and Inconvenience Avoided and Drivers No Longer Are Taken to Nearest Scales.

MOTORISTS SEEING AMERICA

Demand for Shock Absorbers Indicates More Driving.

That motor car owners are "seeing America" this season more extensively than ever before is the statement made by A. R. Arnot, president of the Hassler Pacific company.

According to a truck tire official of the Firestone Tire & Rubber company, there is now coming into general use by these states an ingenious and most practical machine known as the loadometer, which is a combined jack and weight indicator.

These tests not only enable the authorities to enforce the law, and assist in its preservation, but they bring out the interesting fact that truck tire dealers are demonstrating their qualifications as transportation experts, for instances are rare, if not non-existent, where the truck's tire equipment has been found out of accord with state regulations.

OVERLOAD SHOULD BE WATCHED.

Rural motor express and other motor truck operators are protesting vigorously against the wave of restrictive legislation to limit weights of loads which threatens to cripple the trucking industry.

The tourists will remain a week in Yellowstone park as guests of the United States government.

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DEVELOPMENT OF THE FORD

THE UNIVERSAL CAR

Take a ride in a touring car. Then take the same ride in a Ford closed car.

Just as much fresh air as you want—and NO MORE. Just as much warmth as you need—and NO MORE. A clear vision in all directions—safe to drive anywhere.

The Ford Sedan gives you all the comfort and all the advantages of an observation car.

The new four to one gear ratio in Ford Sedans and Ford Coupes makes it possible to go anywhere in Oregon—on mountain roads as well as city streets. And wherever you go, you will be comfortable.

Get your Ford closed car today and drive comfortably all winter. Any Ford dealer will let you try one to prove its advantages.

Table with 3 columns: Model, 1921 Price, 1914-1915 Price. Includes Chassis, Runabout, Touring, Sedan, and Coupe.

All Above Prices F. O. B. Detroit

For Sale by the Following Authorized Ford Dealers

- List of authorized Ford dealers including Francis Motor Car Co., Wm. L. Hughson Co., Talbot & Casey, Inc., etc.

"EVERY OREGON DRIVER NEEDS A FORD CLOSED CAR"

FIGHTING MOSQUITOES ALONG ROADS.

That road construction and maintenance should be so handled as to avoid leaving holes or improperly drained ditches and culverts in which stagnant water may accumulate and afford a breeding place for mosquitoes...

A bill to make the moving of a stolen automobile between states punishable by five years' imprisonment and \$5000 fine was introduced recently in Washington by Senator Nelson of Minnesota.

OLD-TIME PHOTOS COLLECTED

National Auto Club Doing Valuable Historic Work.

As the direct result of the formation of the Old Timers' club, composed of men of the automotive industries of five or more years' continuous and unbroken service, there has been aroused a wide interest in the olden days.

Hardy's Camper's Friend

The Call of the open road is irresistible. Now is the time to answer the call.

The great playground and wonderland of America lies right at your door. The mountains, the seashore, Crater Lake, Mt. Hood and Rainier and hundreds of other beauty spots are awaiting a visit from you.

The favorite way to reach these spots is by motor; it gets you out into the open air and carries you right to the spot.

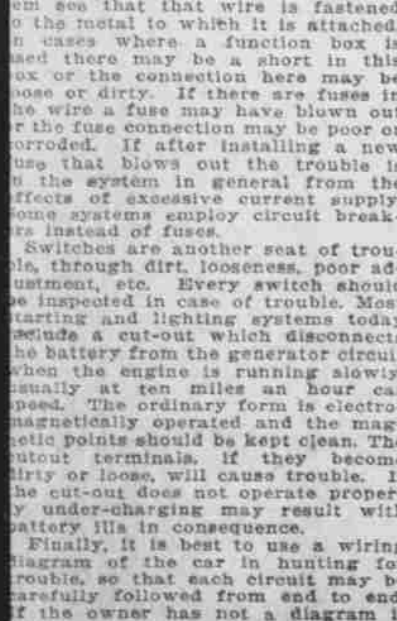
All you need to make such a trip a pleasure is to carry up-to-date camp equipment and we can supply your needs in Tents, Folding Beds, Tables, Cots, Chairs, Stools, Nested Cooking Utensils, Water Bags, Canteens, Gasoline Cook Stoves, Luggage Carriers, etc.

Visit our camp equipment department and see our offerings.

Honeyman Hardware Company TWO SALESROOMS

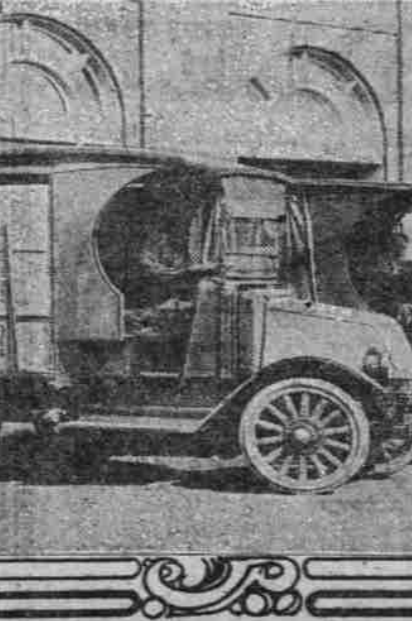
Fourth at Alder Park at Glisan

GROCERIES IN WHOLESALE LOTS TRAVEL THE MODERN MOTOR TRUCK WAY IN PORTLAND.



THREE OF FLEET OF INTERNATIONAL MOTOR TRUCKS OPERATED BY HUDSON & GRAM COMPANY, WHOLESALE GROCERS OF THIS CITY.

Another FEDERAL



1 to 5 Tons

Federal dependability has been demonstrated so fully and frequently that praise now would be idle. William L. Hughson Co. Since 1903. 60 N. BROADWAY AT DAVIS BROADWAY 321

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