

OREGON'S HIGHWAYS APPEAL TO VISITOR

Hudson Factory Official Says Good Roads Will Pay.

FAR WEST SURPRISES HIM

District Manager Discovers a New Section of United States on the Coast, and Likes It.

"This country is a big surprise to me. Honest, I didn't know the United States was so large. And here, way out on the western edge of it, I find one of the best parts of the whole country."

So declared R. S. Day, district manager of the Hudson Motor Car company, Detroit, Mich., while in Portland last week in the course of a tour that is taking him pretty well through all the territory west of Detroit, and which will not be ended until about next March.

Mr. Day was particularly impressed by road building operations in Oregon. And small wonder, with about half the main roads of the state torn up for reconstruction.

"The people of Oregon," he declared, "have the right idea. The state that builds good roads and builds them now, in the next few years, it will repay the cost many, many times. California has set a wonderful example, one of which I, as an effete easterner, had never dreamed until I came out here for my tour."

"This was all the more remarkable to me because back in my state we don't have such fine roads. In fact, some of our highways are in such condition that the less I say of them the better it will be for every state official could take a course of California highway instruction."

"You in Oregon are on the right track. Go to it. In the next year or so when your present era of torn-up roads has evolved into one of fine paved highways, I am coming out here and ride over them."

Essex Production Kishes. Mr. Day brought Mr. Boss the important news that the new addition to the Essex factory, which will make possible next year a combined Hudson-Essex production of 70,000 cars, of which 40,000 will be Essex, has been completed and that the enlarged manufacturing programme is even now under way.

"All over the United States," he said, "there is an unprecedented demand for cars. That demand cannot be filled for some time yet to come. And when it would be filled in the ordinary course of events, there will arise a still larger demand, due to construction of good highways in many states."

"In 10 years from now new highway construction will cause us to regard the present period as only the infancy of the automobile business."

OVERSIZE TIRES POPULAR LARGER MILEAGE EXPECTED OF LARGE SIZES.

Manufacturers Adopt Government Standard for Air Capacity in Each Tire Size.

Oversize tires, designed primarily for exceptional and hard services, have come into general favor among owners of medium and large capacity passenger cars because of their extra strength, easier riding cushion and the longer mileage that can be expected of them.

Some users of oversize tires think that a tire with increased cross section diameter but with no increase of diameter measured through the hub from outer edge to outer edge of tire is an oversize. This is a mistake. In other words, if the regular size tire is 3 1/2, the oversize is not 3 3/4. Both diameters must be increased or the bead will be strained in putting the tire on the rim.

Firststone gives the following table to show the proper regular and oversize tire for a given rim:

Table with 3 columns: Rim, Regular Tire, Oversize Tire. Lists various tire sizes and their corresponding rim diameters.

HYDROMETER USE EASY U. S. L. BATTERY DEALER EXPLAINS SIMPLE TEST.

Any Car Owner Can Make It by Following a Few Rules Named by W. J. Albritton.

"In order to cut down the cost of upkeep every automobile owner should know how to test a storage battery with a hydrometer and thus eliminate expense in the operation of the Sunset Electric company, distributor for U. S. L. batteries."

"It is not hard to learn how to use a hydrometer, and a few rules in this regard will doubtless be appreciated by automobile owners."

"To make the test remove the vent plug from the top of the cell, and after you have forced the air out of the hydrometer syringe by squeezing the bulb, insert the rubber tube through the vent plug hole into the electrolyte or battery solution. Release the bulb and draw up sufficient electrolyte into the glass to float the hydrometer. Next see that the hydrometer floats freely, touching neither top, bottom or sides. Then move the hydrometer until it is on a level with the eye and read the point on the hydrometer scale which appears on the level with the electrolyte. Then force the electrolyte back into the cell from which it was removed."

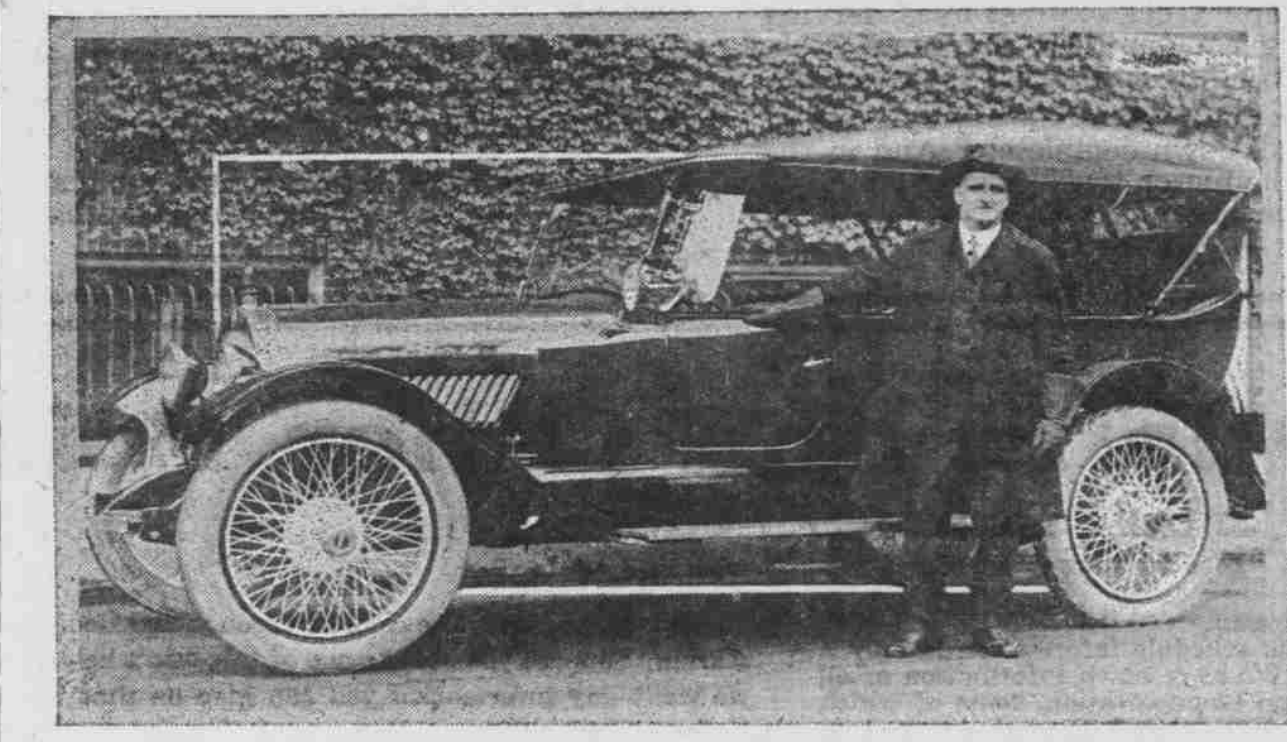
plug from the top of the cell, and after you have forced the air out of the hydrometer syringe by squeezing the bulb, insert the rubber tube through the vent plug hole into the electrolyte or battery solution. Release the bulb and draw up sufficient electrolyte into the glass to float the hydrometer. Next see that the hydrometer floats freely, touching neither top, bottom or sides. Then move the hydrometer until it is on a level with the eye and read the point on the hydrometer scale which appears on the level with the electrolyte. Then force the electrolyte back into the cell from which it was removed."

AUTO TOURISTS VISIT PARKS 50,000 Expected Next Year at Rainier and Crater Lake.

About 75 per cent of the visitors to Crater lake and Mount Rainier National park are tourists that come by automobile, according to C. B. Cadwell, local representative of the national touring bureau of the B. F. Goodrich Rubber company.

More than 50,000 people are expected to visit these great national parks this year. Many of the motorists are campers. This is due to the fact that the government is very hospitable to the camper. He may come, select his camp site, with certain restrictions, and retain that site

HIS SECOND CAR, LIKE HIS FIRST, AN OLDSMOBILE.



J. P. Coxon, manager of Pacific Employment company, and his new Oldsmobile Eight, purchased from Oldsmobile company of Oregon. This is his second car of that make.

free for as long as he wishes to stay. If the Rainier or Crater lake camper brings his own outfit and provisions he is at no cost, but the company which has the government concession rents camp outfits and conducts a general store, at which articles can be had at prices supervised by the government.

BRAKE TIGHTENING EASY

PORTLAND MAN RECEIVES PATENT ON INVENTION.

Device Makes Adjustment of Ford Brake Band Possible Without Exposing Transmission.

A Portland man, John P. Bond, has received a patent on an improved brake band clamp for Ford cars which he has perfected. His device relates to brake band clamps in general, but particularly to such clamps as are used on automobiles for tightening brake bands where the braking is done on the transmission.

Heretofore it has been necessary to remove the transmission casing cover in order to tighten the bands. Not only is this inconvenient and time consuming, but further is open to the objection that incompetent or careless persons performing the operation frequently let tools fall into the casing, necessitating removal of the transmission to regain the lost tool.

Mr. Bond's invention enables the brake bands to be tightened without removing the transmission casing cover, by simply tightening or loosening a bolt at the hub of the brake pedal.

DRILLING HOLES IN GLASS Here's Some Useful Information for Owner of Car.

The car owner who finds it necessary to drill holes in glass will succeed if he uses the following method: Grind the points from one corner of a small three-cornered file on the bias from the other. Place this in a bit such as is used in wood work. Place the glass to be bored on a smooth surface covered with a blanket of similar material. Begin to bore the hole exactly as if the substance were wood. When a slight hole has been made surround this with putty and fill the dam thus created with turpentine to prevent heating. Do not press too hard on the drill in boring.

NOT A PACKARD, BUT A PACKARD STYLE BUG.



Gerald Goodsell of the Palace Garage company and one of his snappy bugs, typical of many sold by this concern. They get bug orders from all parts of the Pacific northwest, this Packard style being one of the favorites.

CITY DOCK SOUGHT FOR THE AUTO SHOW

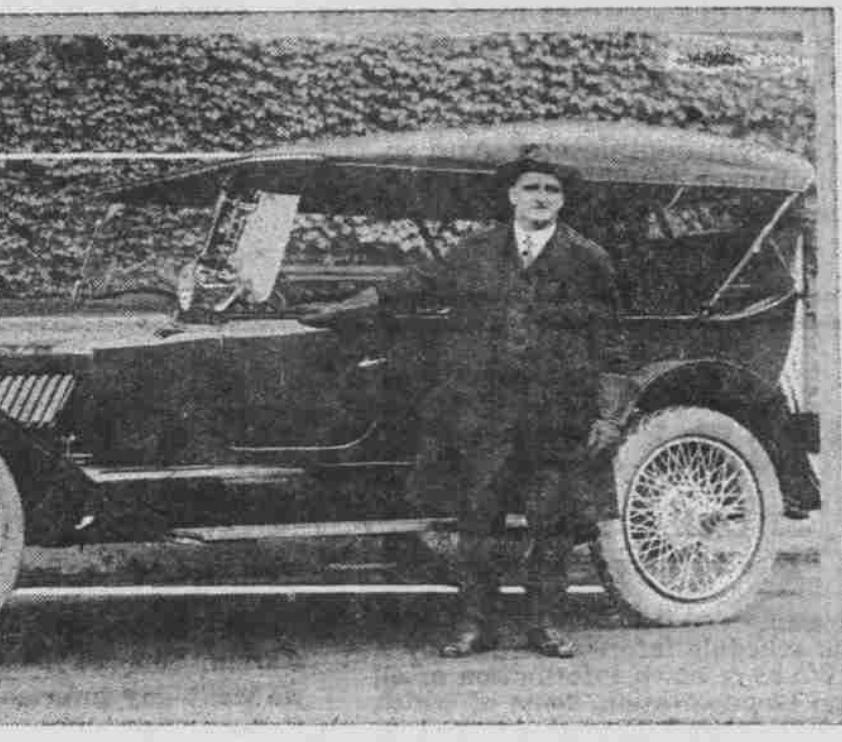
Municipal Dock No. 2 Considered Ideal for Purpose.

SHOW DATE IS SELECTED

Portland Dealers Name Bert Eling as Head of Association Having Charge of the Big Show.

At last a place for holding the next Portland automobile show has been found that seems to fit the bill all around.

HIS SECOND CAR, LIKE HIS FIRST, AN OLDSMOBILE.



J. P. Coxon, manager of Pacific Employment company, and his new Oldsmobile Eight, purchased from Oldsmobile company of Oregon. This is his second car of that make.

that so few Portlanders really know what a fine municipal dock the city has. About ten persons in 100,000 residents of Portland have ever visited the dock, let alone go through it. If the show is held there, it will give the people a chance to see the dock, and will really be a big advertisement for the city."

The dealers at the Benson dinner not only selected the show date as February 23-24, and decided upon the Municipal dock as the place for holding it, but also elected show officers and committees.

Officers of the Portland Automobile Trades' association, a subsidiary of the Dealers' Motor Car association of Oregon, to have direct charge of the show were elected as follows: H. H. Eling, president; A. S. Robinson, secretary-treasurer; Howard M. Covey, vice-president.

H. M. Covey was made chairman of the committee on building and decoration; A. B. Manley was appointed chairman of the finance committee, and A. S. Robinson was named chairman of social arrangements, to have charge of entertaining of visiting automobile dealers.

Steam as Soil Sterilizer Its Use Found Beneficial in the Growing of Tobacco.

Great care must be exercised by tobacco-plant growers in the preparation of beds for producing sets. The structure of the soil is of great importance, as the larvae is easily handicapped during their early stages of development.

It has been a common custom to build fires on the beds for this purpose. Recently steam has been used. An eastern grower uses a steam road roller, transferring hot vapor from the boiler of the machine to the beds with a hose. Tight covers are placed over the beds while the sterilization is in progress and a temperature of 215 degrees Fahrenheit is maintained for two hours.

Popular Mechanics magazine for November.

British Shortage Acute RIGID STEPS TAKEN TO CURB AUTO PROFITEERS.

Salesman Offered Bribes as High as \$750 to Shift Buyer's Name to Top of List.

LONDON, Nov. 8.—(By the Associated Press).—A determined effort to break up profiteering in automobiles is being made by the British Motor Agents' association and the Motor Agents' union. Heavy fines have been imposed in cases where agents have advanced the prices fixed by the manufacturers. If the dealer refuses to pay the fine, he is cut off from all source of replenishing his stock.

Another form of profiteering in cars is often encouraged, it is said, by the private automobilist. On receiving a new car, the owner in a number of reported cases has resold it to a second-hand dealer and pocketed an immediate profit of \$500 or more. Such is the demand for cars that the second-hand dealer has no difficulty in disposing of the automobile at another \$500 profit for himself.

Owing to the shortage of cars, every dealer has a long list of expectant purchasers and attempts have been made to write salesmen to, shift the names of waiting customers from the bottom to the top of the list. In one instance reported to the Motor Agents' union, the bribe offered a salesman was \$750.

Bent Knuckles. A bent steering knuckle should be so straightened that a line run from the tie bar hole in the end of the part and the center of the kingpin will strike the center of the rear axle. Unless this is carefully carried out the front wheels will not be so aligned as to run properly.

CONNERSVILLE, Ind., Nov. 8.—The Lexington Motor company, anticipating a greater demand for passenger automobiles throughout the country, and with a view of establishing a permanent export business in all quarters of the globe, has inaugurated a programme of expansion which includes the building of an addition of several hundred homes, to be occupied by Lexington employees and their families.

Frank B. Ansted, Lexington president, believes that much industrial unrest is created by inferior living conditions. Squalid homes, crowding into insanitary quarters, in his opinion are the most dangerous enemies striking at the foundation of industrial peace.

Mr. Ansted called a staff of building experts, engineers and contractors, and outlined an extensive campaign including erection of at least 400 homes in Connerville during a two-year period. A beautiful park addition named "Lexington Heights," has been planned.

"Environment has a great part in the life of humanity and particularly in the life of the individual," said Mr. Ansted. "Therefore, manufacturers and men acknowledged as leaders of great industrial organizations have before them a well-defined task. Not only must they sometimes think for the employe, but they must put their own thoughts into action."

"Action can assume no more important bearing on the life of employes than that which provides modern, wholesome, home-like living con-

ditions for the man whose duty it is to function in the production world."

NOT ENOUGH GARAGES THERE State Highway Department Can't House Its Trucks.

Ohio is confronted with a new housing problem, not for officials but for state-owned motor cars and trucks. The Ohio highway department recently received more than 300 trucks and cars for use in highway maintenance. Altogether, more than 800 automobiles and trucks have been awarded to Ohio in the demobilization of the government transport system.

State Highway Commissioner Taylor is making arrangements to distribute these motor vehicles among the various counties. But the first concern is the housing of the vehicles. They are at present allowed to stand in the open at the state fair grounds and at the federal storage plant, east of Columbus.

CLEVELAND SOLVES PROBLEM Garage Men Have Plan to Aid in Theft Prevention.

Vigilance of garage men is utilized in the latest plan for the recovery of stolen automobiles and the possible apprehension of the thieves stealing them. The plan has been worked out by directors of the automotive association of the Cleveland Chamber of Commerce, it is announced.

In a letter addressed to officers of the Cleveland Automobile club, directors of the automotive association requested that reports of stolen cars be turned over with the least possible delay to the association's secretary.

These reports are to be filed with all the garages having membership in the garage division of the organization. Its members are pledged to carefully inspect all motor cars in their places of business and to report to the police if any motor vehicles are found answering descriptions of stolen machines.

Don't Use a Reamer. Never use a reamer on the inside of a pipe. The scale inside a pipe, caused by the flux used in welding or brazing, is as hard as glass and will turn the edge of any reamer that was ever made.

Large advertisement for The Allen car. Features the text 'Announcing The Allen' in a large, stylized font. Below the text is a photograph of the Allen car, a 1920 model. The ad describes the car as 'the snappiest 1920 creation of motor engineering skill' and lists its features and availability through D. C. Warren Motor Car Co. in Oregon and Southern Washington.

A collection of smaller advertisements. Includes 'LEXINGTON AIDS WORKERS COMPANY BUILDS 400 HOMES FOR ITS EMPLOYEES', 'NOT ENOUGH GARAGES THERE', 'State Highway Department Can't House Its Trucks', 'CLEVELAND SOLVES PROBLEM', 'Garage Men Have Plan to Aid in Theft Prevention', 'Don't Wash Your Car, but Have It Simonized', 'The Mighty Power of the VESTA', and 'SIMONIZ SERVICE'. Each ad contains specific details about the services or products being advertised.