

ROAD CONDITIONS ON M' MINNVILLE ROUTE EXCELLENT

With Exception of Few Miles Between Tigardville and Rex Road in Fine Shape for Autoists; Notes.

With the exception of a few miles between Tigardville and Rex, the road to McMinville is in excellent condition, and in the near future promises to be one of the most popular drives in this part of the state, as at three different points this road is being repaired, graded, gravelled and rolled, with the result that even southern California cannot boast of any better boulevards than we are building in this state at the present time, and with the superb scenery and unparalleled climatic conditions, Oregon will present to the American tourist attractions that cannot be surpassed anywhere in the country.

Following the road as laid out by the official guide book of the Portland Automobile club, the tourist will find the roads for the first 13 miles in excellent condition. After crossing the covered bridge the road from there until the speedometer registers 14 miles, the going will be compelled to be slow until this piece of road is repaired, which the Washington county authorities say will be as soon as the weather will permit, although a trifle longer, it is advisable to turn to the left at this point, going through Sherwood, avoiding a bad stretch of road caused by natural springs, keeping the road very muddy and treacherous.

Yamhill county boasts of good roads, and has a perfect right, too, as they have them in good condition, and have just purchased a five ton auto truck to haul materials to keep them in this condition. Those afflicted with the speed mania are tempted to use the road from Dundee to McMinville as a race track, and the sheriff declares he will not stand for this, there being nothing that will ruin a good road as rapidly as fast driving.

Nothing can be said of the roads from McMinville to Salem, except that they are good all the way, having worked on in places where the winter rains have damaged them.

One of the natural curiosities of the

state is a fir tree entirely covered with mistletoe—stands to the right of the road just as you enter Polk county. Horticulturists say that this is the only case where a fir tree is burdened with this fungus growth.

Overst Labor.
Driving from Salem to Albany, over the valley road, one has a chance to see a sample of convict labor road. Less than a year ago the road from the bridge below the reform school to Turner was nearly impassable, now one would prefer this drive to any of our city streets, being practically as smooth as a billiard table.

Reports are continually coming in to our personal service department from all over Oregon, stating that the general condition of the roads are better than ever before at this time of year. Those contemplating a tour through the state, or for one day, can receive this valuable information by calling upon or writing to the Personal Service Department of the Diamond Rubber company.

To Test the Exhaust Valve Springs.
To a very considerable extent the smooth running and efficiency of a gasoline motor depends upon the valve springs being of the correct strength and upon their uniformity. Springs will deteriorate with use, especially the exhaust valve springs, which are exposed to heat, and when they become weak they should be discarded. In order to test valve springs for weakness without removing them from their places and upon their uniformity, a fixed fulcrum arranged to be placed on any convenient support and an ordinary spring balance at the outer end, the longest arm of the lever. Hook enough weight on the spring balance to pull the lever down a given distance; the weight and the distance should be the same for all the springs. A standard can be set by trying the apparatus on a spring known to be correct.

Wrench Handling That Spoils Nuts.
Some people make a great deal of trouble for themselves by using wrenches that are a little too large for the nuts they are required to turn, or by neglecting to place the wrench squarely on the nut. In either case the result is to round off the corners of the nut, not only spoiling its appearance, but making it more difficult to get hold of. A wrench should fit snugly on the nut, and this applies to adjustable as well as to solid wrenches.

F. W. Vogler, of the Northwest Auto company, left Tuesday night for the east. Mr. Vogler complains that he is unable to get cars fast enough to take care of his agents and is going back to start something. He will be away about 13 days.

The universal joint should be packed with hard oil or grease, to which flake graphite has been added.

COMPLETES PLAN FOR NEW MODEL TO COST \$1200

R. P. Henderson Will Head New Company—Car Is to Have 116 Inch Wheel Base and Self Starter.

R. P. Henderson, vice president of the Henderson Motor Sales company, announces through the local agent Twitcheall Motor company that plans for the building of the Henderson gasoline motor pleasure car have been completed and that the first model will soon make its appearance. Chester S. Ricker, late technical editor of *Horseless Age*, and vice president of the Indiana branch, Society of Automobile Engineers, will be the designer and mechanical engineer for the new company.

"That the car will be built in Indianapolis is expected," said Twitcheall, "although it is known that several outside cities have submitted flattering terms to locate with them." "Our people have realized for some time that a car in the \$1200 class with ample power, embodying well known standard parts throughout, combined with attractive body lines can be sold in great numbers. Since the beginning of the organization a car lower in price than the Cole has been contemplated.

Demand Increasing.
Owing to the increasing demand for cars and our inability to meet it, even with expanding factory facilities, it has been impossible to build two lines, separate in design and quality, under the same roof.

R. P. Henderson, who will head the new company, is an old carriage man. His experience in this business will be invaluable to him in the manufacture of automobiles. Mr. Ricker who will be associated with him is a mechanical engineer of national reputation.

The new car will have a 116 inch wheel base, self starter and electric light equipment. Unique arrangements have been made for carrying compartments. The gasoline tank is to be peculiarly mounted.

The new company is now building three chassis each with different motors and parts, which will determine the final car.

Among the stockholders in the new company will be Charles P. Henderson, R. P. Henderson, Chester S. Ricker, L.

Carver of Jessup, Ga., and R. E. Rogers. In making his first official statement about the new car Mr. Henderson said: "We have been unwilling to announce our plans before because we did not really know anything definite. It was not known until recently that we would positively go ahead with our proposition. Both my brother, Mr. Ricker and myself have individual ideas that will be embodied in a car bearing the Henderson nameplate. In view of our long connection with the Cole we were convinced the public would expect something rather unusual, if not sensational, in the car we are to bring out, so if it our purpose not to disappoint them. We will have a car that will be a genuine good automobile buy. To all intents and purposes our present plans are to manufacture this car in Indianapolis."

AUTO NOTES

David R. Mills, president of the Haskin Auto Supply company of Bloomfield, N. J., has been stopping in Portland for the last few days visiting his local representative Hughson & Merston. While in Portland Mr. Mills was incidentally paying a visit to the local trade in the interest of his company, who manufacture one of the best known spark plugs.

W. G. Chaslor, of Los Angeles, and

W. A. Avery, of Seattle, both members of the Chandler & Lyon firm, were in Portland for a few days last week looking over the local branch. Mr. Chandler will make Portland his headquarters, and have charge of the local business after the middle of May. He left last evening for Los Angeles to act as one of the officials in the Santa Monica road race to be held May 4.

F. H. Allen, the school master of the Studabaker corporation, announced himself as the proud father of a nine pound boy last Monday, April 14. The cigars, etc., of course, were on Allen. He is around now telling every one just how to raise a baby, as he has been telling them just how to run an automobile. Did you ever notice how important a fellow gets around the house as soon as he is able to call himself a father? If you haven't noticed this, call on Allen.

A. J. Winters, Portland agent for the Pennsylvania Rubber company, received a telegram last week from J. E. French, Pacific coast manager of the Pennsylvania, to the effect that he was on his way to Portland towing behind the observation car a truck load of vacuum cup tires. Mr. French is expected in Portland today and will be asked to make good his telegram as the demand for tires in Oregon is growing every day.

Two very important changes in the



Diamond TIRES

Your tire bills are too high
WHEN you discover this you are ready to take the next step and find out why. You'll discover, as thousands of other car owners have done, that you cannot cut down tire expense until you begin to buy tires on a Quality and Service basis, until you begin to buy **Diamond Tires.**

There is only one basis on which you should buy tires to use and that is on a Quality and Mileage basis. And buying tires on that basis means buying **Diamond Tires.**

The most important point about a tire is quality, the type is secondary. **Diamond Tires** are made in all types, all sizes, and to fit every style of rim. You can get in **Diamond Tires** any type that you want, and in any **Diamond Tire** that you choose you will get what no other tire can give you—the **Greatest Mileage** and the best service that can be built into a tire of that type.

In addition to dependable dealers everywhere, there are **FIFTY-FOUR Diamond Service Stations.** **Diamond Service** means more than merely selling tires—it means taking care of **Diamond Tire** users.

AT YOUR DEALER'S OR
 The Diamond Store
 Seventh and Burnside Streets, Portland.
The Diamond Rubber Company
 AKRON, OHIO
 WE COULD BUILD THEM CHEAPER, BUT WE WON'T
 WE WOULD BUILD THEM BETTER, BUT WE CAN'T

ALCO Alco Motor Trucks

You need a Motor Truck. You want power, design, construction—that will give you good results. If a truck is not well designed, the owner soon knows it. If it is well designed, and if he can use more trucks in his business, he buys more of the same make. This is why 65 per cent of **ALCO** sales are repeat orders.

The **ALCO** factory builds 95 per cent of the parts of the **ALCO** trucks.
 Safest thing in the world is to buy reputation.

The means of inquiring into the **ALCO** reputation is to write or call on an **ALCO** transportation expert.

ANOTHER CARLOAD EN ROUTE
Alco Motors Co.
 Main 6915 - 248 ALDER ST. A-2815

automobile situation were made known the latter part of last week. The Portland Motor Car company moved their showroom from State and Alder streets to their new building at Twenty-third and Washington streets. This firm has built a very handsome two story brick building that is a credit to the automobile industry of Portland. The

United Auto company have moved their office room and machine shop from State and Alder to State and Alder and now occupy eight floors. The floor space they formerly had. The growth of this firm has been very rapid and their new location is in keeping with the position they now occupy in the automobile field of Oregon.

Dollars and Cents and Dollars and Sense

If we could offer you positive proof and satisfy you beyond a question of a doubt that we can eliminate your tire trouble and cut down your tire expense, wouldn't you consider such a suggestion? See us before purchasing your next set of tires.

Dayton Airless Tire Co.

COX & SORENSEN, State Agents
 Phone Mar. 4890, A-4299 533 ALDER STREET

The Mighty Michigan

The Car

And The Factory Behind It

When you buy a car there are two things to consider—
 First, the car itself. Next, and equally important, the factory behind it.
 Anything that tends to distract your attention from these two essentials is immaterial. And in the face of all the fancy sales talk you hear every day, bear in mind these two big things—

The car! And the factory behind it!
 You are buying an automobile. You want one that will give you the most for what you pay. Most in specifications. Most in quality. Most in service. A car in advance of the market—in which you get the 1913 features today.
 You want your car to come from a concern that knows how to produce a good article mechanically. And that has confidence enough in its product to guarantee it—with the financial ability to make the guarantee worth something.

The Master Car

All these requirements are met—successfully—in the "Michigan."
 Other cars are being sold at the "Michigan" price. Of course. But in the "Michigan" you get the maximum of value. In other words, you get "more car."

Thirty years of success in pleasure vehicle building has established our reputation, both in manufacturing and a financial way. Millions of people all over the country know of us—of our business ideals.
 And when we guarantee for life the mighty "Michigan" they know that the car is good. That we will stand back of it. That there is responsibility back of our guarantee.

Note the Michigan Features

Learn the big features of the Michigan line. They are convincing proof of more than ordinary value. Of greatest value.
 A wonderful car! Backed up by an old line, established concern! What more can you ask? What more do you want?

Michigan Auto and Buggy Company.

NORTHWEST BRANCH
 W. A. Wildrick, Manager
 369-71 HAWTHORNE AVE.
 Phones East 1431, B-1545

Honesty of Producing

We feel quite sure that everyone who heard Mr. Chalmers talk on "Principles of Business Success" at the Commercial Club Tuesday evening was impressed with the sincerity of Mr. Chalmers' utterances. The keynote of his policy in business is honesty—honest with himself, his organization, his product and honest in what he offers the public in the Chalmers car for the price asked. "No man or firm can exist very long," says Mr. Chalmers, "unless he gives honest values." The Chalmers car has always enjoyed the distinction of being the greatest money value in the automobile world, and those who were fortunate enough to hear Mr. Chalmers can but feel that such a man would produce none other than the claim made for the Chalmers car. Every purchaser of a Chalmers car unquestionably realizes the **HONESTY OF THE PRODUCT.** Time and experience has proven to thousands of owners the kind of man that builds the Chalmers. We are proud of the fact that we represent the Chalmers. It is an asset within itself. It inspires confidence instantly in the prospective purchaser to tell him we have the Chalmers to offer in comparison with other cars at or near the price. Share this confidence with us and let your next car be a Chalmers.

DEMONSTRATION GLADLY GIVEN
H. L. Keats Auto Co.
 BURNSIDE, SEVENTH AND COUCH STREETS