

ESSEX TOURISTS FIND ABERDEEN ROAD GOOD

Worst Place on Whole Trip Is Detour Near La Center.

GRAYS HARBOR LIVELY

Essex Car on 560-Mile Tour Makes Remarkable Gasoline Mileage of 22 1/4 Miles Per Gallon.

Except for one detour, and that within 25 miles of Portland, between Vancouver, Wash., and La Center on the Pacific highway, the motorist driving to Aberdeen and Hoquiam, Wash., on Grays harbor, will find the roads very good all the way.

That's the report on touring conditions made by Mr. and Mrs. C. Lillig of the Hat Box, Portland, who have just returned from a vacation trip in their Essex car.

Their touring schedule says them two days to make Grays harbor, though they could have done it in one had they been inclined to drive overtime. But they ended their first day's driving at Centralia and went from there to Aberdeen and Hoquiam the second day.

"The Pacific highway as far as Centralia is in pretty fair shape," said Mr. Lillig, "except for one three or four-mile detour between the end of the present highway pavement out of Vancouver and the end of the pavement recently completed a short distance this side of La Center. This detour is possible, but not particularly agreeable—up hill and down, the road rough and narrow.

"Highway Better Than Last Year. "But aside from that, the highway is in excellent condition to Centralia—incomparably better than it was last summer. The stretch between Kelso and Castle Rock is now a wide, level between Castle Rock and Toledo, part of the way over new grade, the building of which required such a detour last summer, it is also good. From Toledo to Chehalis is paved.

"We stopped at Centralia and took an early start next morning for Grays harbor, the road to which turns to the left from the Pacific highway at Centralia. From the top of the Elma, which is approximately half way, there is good gravel or rock surface and it is almost a detour. Elma to Aberdeen, which is four miles this side of Hoquiam, is mostly pavement. There is a beautiful wide pavement between Aberdeen and Hoquiam, as wide as an ordinary city street, and on which four automobiles could drive abreast without crowding.

"The Grays harbor country is picking up decidedly in business. This is almost exclusively logging and lumbering community and when there is no market for lumber and the mills are closed, business is always dull. But now the mills have all opened and are in operation, in consequence of which both cities present a lively and prosperous appearance.

"McClary Cut-off Rough and Dusty. "After a brief stay at Aberdeen and Hoquiam, the Lilligs turned the Essex about to head back to Tacoma from which point they took what is called the 'McClary cut-off' to Olympia on route to Tacoma and Seattle. They did this to avoid having to drive all the way around to Centralia again and thence north from there, but there were several things which they had when they almost wished they had taken the long way around. The road was and is very rough, with deep ruts ten miles of it, which were of dirt bottom only, rough and several inches deep with dirt on top. The ruts make much time over this stretch, and every passing car brought a shower of dust.

"But without too much difficulty they reached Olympia. From there, of course, they had 32 miles of pavement in to Tacoma and Seattle. Tacoma to Orting, which is on the Seattle-Summer-Mount Rainier national park road, is a dirt road, but there for a day or so after which they went on to Seattle.

"All told, they traveled 560 miles in their vacation of eight days. They went over some pretty rough roads, but had no trouble except one puncture, and they expected that for the tire was old when they left home. And on the trip, driven most of the time at 30 to 35 miles an hour, the Essex made a gasoline mileage record of 22 1/4 miles to the gallon of gas, which is going some.

"Mrs. Lillig kept the gasoline mileage figures herself and certifies to their accuracy.

ANDERSON JOINS DUSENBERG Former Stutz and Templar Man Joins New 'Straight Eight' Firm.

The appointment of Harry W. Anderson as general sales manager of the Duesenberg Automobile & Motors company has been announced by L. M. Rankin, president and general manager, according to news received here.

Mr. Anderson brings to the Duesenberg corporation wide experience in the automobile industry. Headquarters of Mr. Anderson are in Indianapolis, Ind., home of the new plant which the Duesenberg corporation has just completed. He has already assumed his new duties.

Mr. Anderson is known in the industry as the veteran who built the first motorized high-wheel buggy. This was in November of 1888.

He for years was associated with the American Motors company, builders of the "American Underling," a four-cylinder car. He was general sales manager of the Stutz Motor Car company of Indianapolis, and, until his connection with the Duesenberg corporation, general sales manager of the Templar Motors company of Cleveland, O.

CHALMERS MOTORIST DISCOVERS ROAD FROM MEDFORD TO CRATER LAKE TO BE ONE OF MOST SCENIC IN ENTIRE STATE.



VIEWS TAKEN ALONG ROGUE RIVER AND AT THE ENTRANCE TO CRATER LAKE NATIONAL PARK BY LOCAL CHALMERS-MAXWELL MANAGER.

While the feature of any trip to Crater Lake is, of course, the lake itself, the road to the lake from Medford, 82 miles, is of unusual scenic beauty, according to T. H. Harrington, manager of the Portland branch of the Maxwell Motor Sales corporation, Maxwell and Chalmers dealers, who recently made the run from this city to the southern Oregon park and return in a Chalmers "hot spot" six. Some of the most interesting features of the run to the park are shown in the photos above, taken by Mr. Harrington. At the upper left is shown the Chalmers car at the Medford entrance to the Crater Lake national park, where each motorist must stop and register and secure his entrance permit. At the upper right is the picturesque Mill Creek Falls, which plunges into the Rogue river from the top of a high cliff and is plainly visible from the road. At the lower left is shown the natural bridge of the Rogue river, one of the unusual features of the trip. This natural bridge was formed at a point where the Rogue river passes over a great lava field. At one point the entire river plunges into a lava cave, to emerge 100 feet or so farther down, forming this peculiar bridge formation. While this bridge is a mile or more off the main road on a detour road, which is in only fair shape, it is well worth the side trip. At the lower right is shown another view of the natural bridge.

PERFECTION MEN MEET

EMPLOYEES OF TIRE COMPANY ENJOY ANNUAL PICNIC.

Anniversary of Opening of Perfection Tire Building is Celebrated.

The entire force of the two stores of the Perfection Tire company of Portland were entertained and feasted last Monday evening at Laurelhurst in honor of the first anniversary of the opening of the Perfection Tire building at Tenth and Stark streets. Portland was selected as the city of the Pacific coast for the building of the first exclusive Perfection tire store by the company and a year ago the building became a reality. Business grew so rapidly, it was stated, that within six months it was necessary to secure another location and since that time two stores have been maintained here to handle the retail trade.

The two stores, one at Broadway and Ankeny, and the other at Tenth and Stark streets, comprises, it is declared, the greatest floor space of any tire company in the west.

The Perfection Tire company here now employs over 30 people and the party Monday evening was given by the company to its employees in appreciation of their valuable service and co-operation during the year, it was declared. The following were in attendance: Mr. and Mrs. E. F. Carver, Mr. and Mrs. James Randall, Mr. and Mrs. Fred E. Merrill, Mr. and Mrs. Roy Randall, Mr. and Mrs. R. Raymond, Mr. and Mrs. W. L. Bartlett, Mr. and Mrs. W. Crider, Mrs. V. Farrin and Jack Farrin, A. Swartz, Charles Cox, A. Braman, R. G. Peppé, John Walton, J. Pierson, B. Pounder, F. Tobin, Sybil Brooke, Jean Brooke, Miss W. Bradford and Miss Minnie E. Palmer.

NEW COMMERCE MODEL OUT

Truck Factory Introduces Latest "Store at Your Door."

The latest Commerce innovation has been announced as "store at your door." It is a completely equipped grocery store built on the Commerce model truck chassis.

"The idea is not entirely new," said a statement by General Manager of the Commerce Truck Company, "but it has already been tried out on the docks. Several enterprising men throughout the country have realized the need of this body and have built a home-made proposition for that purpose. We have records that show these home-made bodies have netted their owners \$200 per week. We have taken their idea, re-

RECORDS HAVE MEANING

THEY DEMONSTRATE TO OWNER DURABILITY OF HIS CAR.

C. L. Boss, Hudson-Essex Distributor, Points to Essex Famous Trans-Continental Run.

"The question is frequently raised," says C. L. Boss, Hudson and Essex distributor, "as to the value of establishing records for a motorcar—whether it pays to prove endurance and reliability. Leadership on the speedway or hill climbs and in cross-country runs against time.

Both Hudson and Essex motorcars have gained an unquestioned amount of public faith and confidence through records of the cars have established. Records alone, of course, have not been responsible for the sales volume, but they have contributed in a real measure.

"People may argue that an automobile is not bought because it can average better than 60 miles per hour on the speedway for over 60 hours. It is true no owner really expects his car to do that for him. He may not even care to know that an Essex crossed America, San Francisco to New York, 3,547 miles, in 4 days, 14 hours, 43 minutes, or that the type of car he owns holds many records for hill climbs, interstate runs and the like.

"All such accomplishments are made for one purpose only and that is to give the public or the prospective owner confidence in his car. Regardless of whether a man ever wants to exceed 20 miles per hour, he still takes pride in the fact that his automobile can do these things, that the same chassis and same power plant beneath the hood of the car that made these new marks against time are identical with those in the automobile that he drives.

"The reason for this," says a statement received here from H. M. Jewett, president of the Paige-Detroit Motor Car company, "is that the automobile industry, in the final analysis, builds transportation and transportation is a vital necessity. The present situation proves this better than volumes of explanation and argument. "People are buying automobiles in close to normal volume at a time when only necessities are being purchased because the automobile has established itself as a necessity. It furnishes the personal transportation necessary to successful business and successful recreation.

"Those financially strong manufacturing institutions which have, through the past decade, proved their ability to serve the public with good transportation and which are today offering a standard quality product at rock bottom price are enjoying good business."

Irwin on Vacation. C. G. Irwin of Wentworth & Irwin, distributors of G. M. C. trucks and extensive body builders for automobiles and trucks, is spending his summer vacation on the Olympic peninsula in Washington. Mr. Irwin recently made the run to that mountain region with his family and expects to remain for some little time enjoying the hunting and fishing in the vicinity.

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Wheel Inspection Advised. One of the most frequent causes of excessive tire wear is faulty alignment of the front wheels, which causes them to scrape the tire along the road surface at each revolution.

When excessive tire wear develops, the wheels should be inspected for misalignment, and if the car owner is not familiar with the method used in aligning he should have the service station do the job.

The charge for aligning the wheels varies, but \$2 is about the average and this usually includes a complete inspection and adjustment of the steering mechanism from the post forward.

Front wheels are always cambered and gathered; that is, they "toe in" in front, making the distance from wheel to wheel in front less than that in the rear, at the same time the distance between the points of contact with the road is less than the distance between opposite points.

These distances vary with different makes of cars, but usually the gather equals 3 per cent of the tire diameter. Thus, with a 34-inch tire the wheel will be gathered about an inch. However, the car owner who proposes aligning his wheels should get the exact figure from the manufacturer or from the service station.

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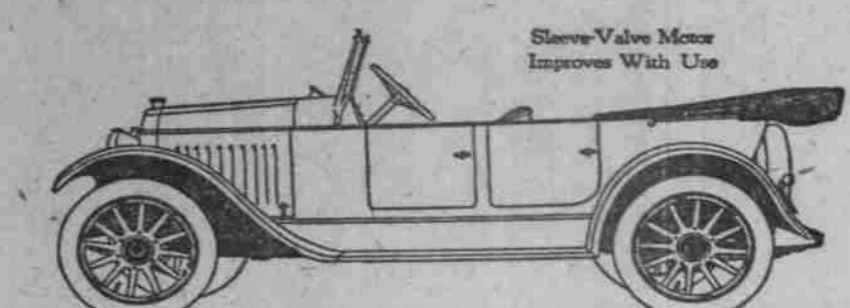
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WILLYS-KNIGHT



The World's Most Convincing Tribute to Quality

RAPIDLY, quietly, the Willys-Knight motor car with the vertical sleeve-valve motor, has slipped into foremost favor in 50,000 homes.

Among its most powerful friends are the political and financial rulers of the world. Their tribute to its quality is paid in spite of its low price.

They buy it because its sleeve-valve motor never causes them to wait for valve-grinding or other repairs—and because a hundred thousand miles finds it at the peak of its power.

No car of its quality approaches its price. No car of its performance approaches its economy.

Table with 4 columns: Model, Price, and other specifications. Includes Touring, Roadster, Coupe, and Sedan models with their respective prices.

Willys-Overland Pacific Co. Broadway at Davis Phone Broadway 3535

Price Now \$1895

Three guards who may stand on the running board on each side of the car are provided with wide heavy leather belts which they hook to the axbolts by snap fasteners.

Courtesy Big Selling Point. "Every selling point which the salesman may make must embody the element of courtesy," says F. W. Vogler, manager of the Northwest Auto company, Inc.

New Shock Absorber Idea. A new automobile shock absorber utilizes the principle of the resistance of oil against flowing through a small opening.

Removing a Stud. When a stud has become frozen in place remove it by screwing on two nuts and turning the lower one with a wrench.

Tool to Spread Casings. By operating from the outside a new tool for spreading automobile tire casings holds them open without interfering with work to be done inside of them.

Limousine is Armored

Manchuria Governor Orders Defensive Auto. Motorcar Equipped With Automatic Machine Guns and Other Death-Dealing Devices.

Revolutions may come and go, but Tsan Tso-Lin, governor-general of Manchuria, hopes to go on forever. He is an enthusiastic motorist and he does not intend to let his motoring be interfered with by any bombs, bullets or other obstacles put in his way by "reactionary radicals" or whatever they call the sentiment in China who do not approve of wealth and authority and who express their disapproval in a manner which is crude but sometimes effective.

The Manchuria governor has ordered a car not only fully armed and armored, but a twin six limousine, magnificent in appearance, speedy, comfortable and powerful in performance.

Under its beautiful exterior finish there is an inner lining of chrome nickel steel. Shutters of the same material, concealed in the roof, may be lowered to cover the side windows. The shutters, to effect the curve formed by the top and sides of the carriage, are actually a number of steel plates cut into strips and fastened by means of flexible steel bands. The whole assembly operates on roller bearings grooved in the window sills.

An extraordinary feature of the vehicle is the Colt automatic machine gun which can be operated from the front seat. When not in use it is placed in a special compartment under the front seat cushion.

Prices of the Columbia's 1922 Line

Table with 2 columns: Car Model and Price. Lists models like De Luxe touring, Sport model, Roadster, Coupe, Sedan, Challenger touring, Challenger coupe, and Challenger sedan with their prices.

Russell H. Lawson Auto Co. East Third and Broadway

The photo shows paving operations near the town of La Grande. With the completion of about ten miles being paved this summer, Washington will have 35 of the 53 miles to Rainier national park hard-surfaced. Paving of the entire distance is planned and will be accomplished within a couple of years. The car in the photograph is an Overland sedan, taken on a recent trip to the mountains.