

ROSEBURG AMUSED BY MUSICAL ONES AMONG TRAVELERS

Southern Oregon Town Takes on
City Style With the Coming
of Hundreds to Camp Ground.

Inquiry from many tourists through Roseburg, traveling both directions, north and south, shows that there are two places where the gasoline shortage is noticed more than at any other place. These two are Klamath Falls and Roseburg.

This shortage, though not acute, is explained by reason of the location of these two towns. Roseburg is just the day drive south of Portland and the same length of time north of Ashland. Being the terminal of two days' travel by tourists it requires considerably more gas than intermediate towns along the line.

Roseburg has never at any time held tourists for more than one day on account of gas shortage, this being early in the season. Klamath Falls, being a terminal also, has the same experience. The tide of tourists is every day increasing and the average traveler seems to have lost but little time on account of gas shortage. It is the big howl from the "joy" rider, who is denied gas that sends out the report that the gasoline shortage is a fright.

Roseburg received a carload of gas last week and the first appearance of the gasoline tank wagons on the streets caused a rush to the service stations. The average consumer takes the gas as he needs it, but the "gas hog," like the "road hog," would take it all and give no consideration to the other fellow.

The Roseburg camp ground is like an amusement park every evening. The big crowds that stay over night have some clever stunts of amusement. The park is generally supplied with music by some tourist carrying a phonograph or a good soloist on a mandolin, guitar or saxophone. The park is well lighted and the scenes are made cheery-looking by bonfires and searchlights. It is a great life, according to the ever increasing number that seem to be taking it up. To get close to nature, camp out and rusticate far away from the hot city streets and take life easy is the life of the tourist.

YOUR BATTERY AND HOW IT IS MADE; FACTS TOLD

(Continued From Page One.)

age battery plates made in that way, but the principle is there just the same. After the active material is pasted on the grid the plates are electro-chemically formed. The formed positive plates are a reddish brown color and the formed negative plates are gray.

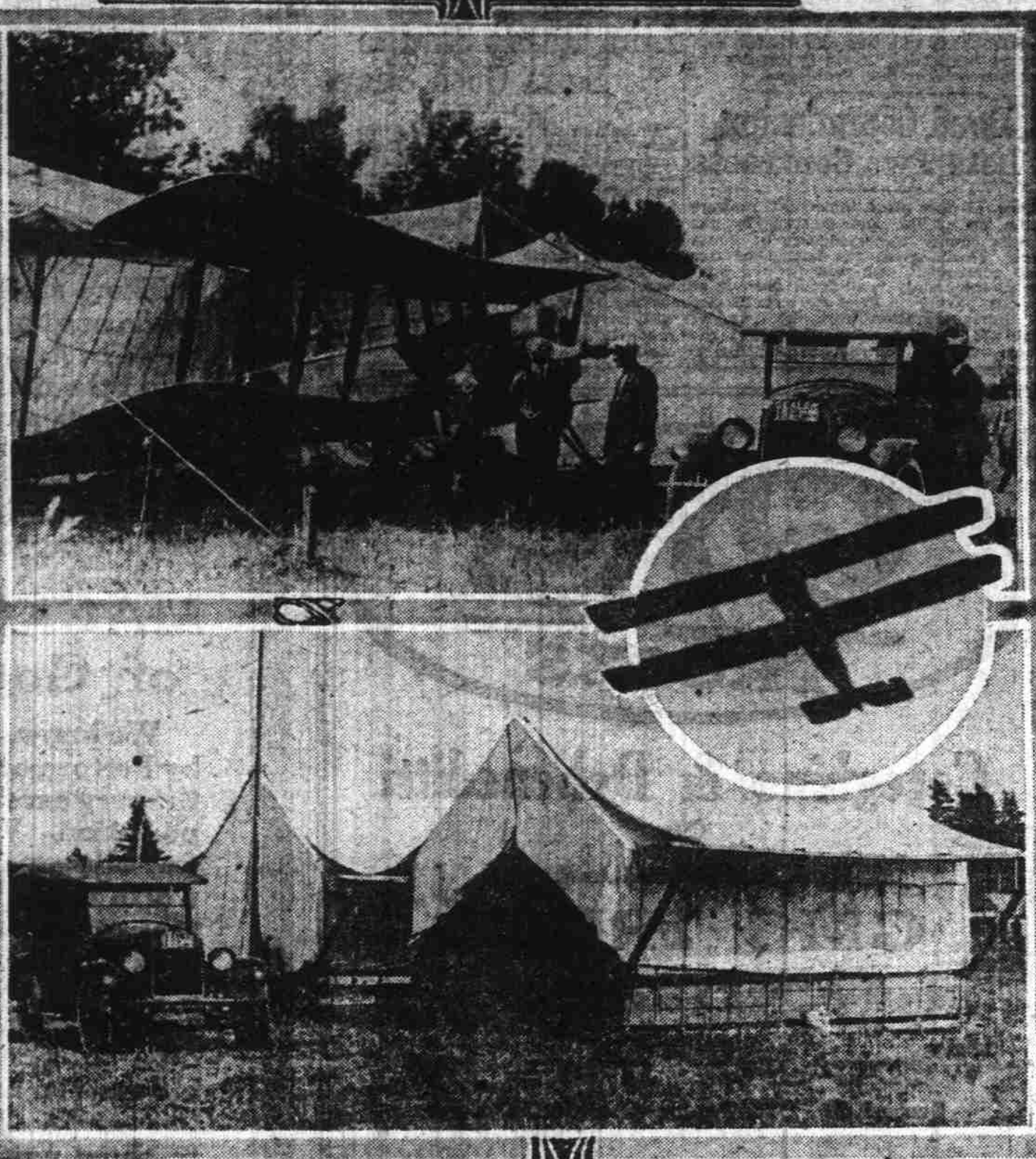
LIKE SLICES OF BREAD

A group of positive plates arranged side by side, and a group of negative plates side by side are then put together in a hard rubber jar, and are kept apart by what are called insulators or separators. Another homely illustration. Imagine a loaf of bread, and cut it into seven slices, and keep the slices together in much the same way as they were before the loaf was cut. Take some means of joining the two end slices together, and then to whatever you used to join these two end slices fasten the third and fifth slices to it. Now then, fasten the second, fourth and sixth slices together. Now every other slice is fastened to the same connector, and you have only two connectors. Now take six pieces of paper, each a little larger than the slice of bread, and put one piece of paper between each slice, so that no slice touches its neighbor. The group of four slices would represent your negative group of plates, and your group of three slices would represent your positive group. The paper would correspond to your separators or insulators. Without disturbing our arrangement we put both groups into a jar in which they fit snugly and perfectly; pour water into the jar high enough to cover the tops of the slices, and then seal the jar so that the water cannot leak out but leave the connectors exposed. We now have an arrangement similar to that of the positive and negative groups of plates, the separators, and the solution in a storage battery; but what we have constructed instead of being similar to a complete battery, is similar to only one cell of the completed storage battery.

TWO VOLTS TO A CELL

A six volt automobile storage battery has three cells, a 12 volt has six cells, and an 18 volt has nine cells. Each cell is made up of its positive and negative group, insulated from each other, in a solution of sulphuric acid and water, and sealed in its jar to prevent leakage. Each unit so constructed is called a cell. Usually each positive group in one cell is connected to the

CITY FLYING FIELD EQUIPPED WITH HANGARS



The municipal flying field is now complete with four hangars of canvas, capable of housing one plane each. Two companies now make their quarters at the field, one of whose planes, a British Avro, is shown in the picture, together with a Mitchell Six, one of the lines handled by the Mitchell, Lewis & Staver company. The insert shows the Avro in flight over the field, while at the bottom are the two tents occupied by the forest service engaged in keeping watch over Northwest timber during the fire season. This is the radio station for the Northwest territory.

Centralia Has New White Fire Truck

Centralia's new 50-horsepower White fire truck will go into commission within the next few days. The truck, which arrived from Tacoma a few days ago, has been mounted with the body from the old horse-drawn apparatus which served the city before the department was motorized eight years ago. The new truck is to be added to the department and will respond to calls in outlying districts where it is impractical to take the big La France truck. It has a speed of 35 miles an hour and will traverse any hill in the city in high gear. The truck will carry 2000 feet of hose, a chemical tank ladders and additional equipment. With the new truck in service it is planned to have one truck always in service in the station, except during big fires in the downtown district, when both trucks will respond to the alarm.

Green Springs Road Work Is Progressing

Work on the Green Springs mountain road is moving rapidly, is the report of County Commissioner Simpson of Jackson county, who has just returned to Ashland from a trip of inspection. Mr. Simpson says that a crew of 66 men are employed cutting this new road through to the Klamath county line from this end, that it crosses the mountain at a 6 per cent grade and through a forest stretch of large pines.

Road About Finished
Work on the state highway between Baker and Haines is practically complete. All that remains to finish the 10-mile stretch of gravelled road in the leveling of a few culverts. The construction work was contracted by F. C. Oxman & Co. of Baker and the work started last fall.

Use of Alcohol as Fuel Is Encouraged

With the 1919 importation of gasoline at 1,500,000,000 francs, the French parliament and newspapers are renewing their efforts to encourage the use of alcohol as a motor fuel. Experiments conducted by the French are said to show the successful use of alcohol and gasoline in varying proportions, in automobiles and internal combustion engines generally. Alcohol is one of the leading French products, and would mean, it is said, a more economical operation of gasoline vehicles in that country than exists at present.

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In order to REDUCE our stock of TIRES, we will sell MOHAWK QUALITY TIRES for a few days only at 15% OFF list price. With each tire sold will be given free a MOHAWK QUALITY tube.

Every tire and tube offered is of new stock—no seconds included.

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Motorcycle Dealers Save Freight Charges

Motorcycles dealers from all parts of the country and especially those situated near the various motorcycle factories, are beating the poor transportation facilities and embargoes by driving motorcycles and sidecars overland, from the factories to their home cities. As many as 50 motorcycles were driven away from a Milwaukee factory by a single dealer in one week. The sidecars are generally utilized for the carrying of spare parts and accessories in the driveways.

Albany Promised Relief in Gasoline

One car of gasoline every five days is promised the Albany Automobile Dealers' association, which received its first

consignment from Wyoming Tuesday. The fuel comes from Kansas. It is selling at 14 cents a gallon retail. This it is said, will prevent the shortage here from becoming acute hereafter. To facilitate distribution it is expected that a community pump will be installed and the gasoline will be sold direct from the car to consumers instead of from garages.

See How Essex Proved Economy

A Nation-Wide Demonstration
No Motorist Can Overlook

Connecticut—With 12 cars over Mohawk Trail and Hoosick Mountains and 12 over a coast route—many owner driven—216 miles average distance per car, 18.7 miles per gallon were shown. One car with 35,000 miles service averaged 21.2 miles per gallon.

Nebraska—A Hastings, Neb., woman drove her Essex from Lincoln to Hastings, 109 miles, averaging 28 miles per gallon.

California—Four women drove from Los Angeles to San Francisco and return, averaging 22.3 miles per gallon.

A San Francisco Essex made the round trip, 846 miles, in 33 hours with 23 miles per gallon. Hood and radiator sealed.

San Antonio, Tex.—In a 166 mile run to Austin and return, Essex averaged 25.5 miles per gallon.

Sacramento, Calif.—Defeated 19 entries and took Tallac Cup for highest gasoline, oil and water mileage in Sacramento Dealers' reliability run.

Baltimore, Md.—Essex sedan, on original tires with 45,000 miles service, traveled 221 miles over Maryland hills, averaging 23 miles per gallon.

Florida—On a measured gallon an Essex covered 23 miles and without change or adjustment of any kind a speed of from 5 to 72 miles per hour.

49 Cars Average 18.9 Miles Per Gallon—Records cover every kind of test at a speed of from 5 to 72 miles per hour.

Los Angeles, Calif.—To San Francisco over 828 mile route of steep grades and frequently far from water supplies, Essex which had previously gone 28,000 miles and under U. S. Marine observation made trip sealed in high gear with sealed hood and sealed radiator. Average 22.8 miles per gallon gasoline.

Also Broke World's Dirt Track Record—1261 Miles Made at Dallas, Texas, by a Car That Had Already Gone 12,000 Miles

From the mere standpoint of gasoline mileage, Essex in its nation-wide tests showed a performance worthy of cars which possess that advantage as their principal quality.

Records were kept on 49 cars. They averaged 18.9 miles to the gallon.

But bear in mind this was not done by taking advantage of every device possible to increase gasoline mileage. Under conditions of that sort, Essex showed as high as 37 miles to the gallon. However, men don't drive that way. How obviously unfair it would be, therefore, to offer such carefully economized fuel mileage tests as typical of all Essex cars.

In the Essex tests, conditions and performances adverse to gasoline economy obtained.

These cars were being driven at speeds from

5 to 72 miles per hour. They were reeling off thousands of miles over all sorts of roads in inter-city runs that set new time marks. They were making new hill-climb, acceleration and endurance records.

Many were owner cars—owner driven. Women piloted some.

Some of the Essex cars used had already traveled upwards of 30,000 to 35,000 miles.

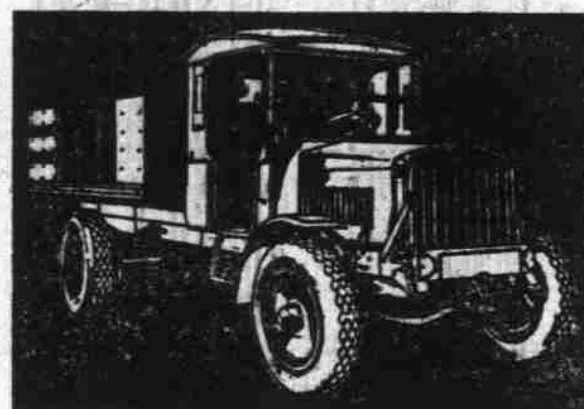
So you must not view Essex economy merely by its gasoline consumption. You must also consider its endurance and reliability.

If there were nothing more striking about the Essex than its gasoline mileage, it would be a worthy subject of our advertising. But important and impressive as that fact is, does not its other qualities take first rank in your consideration?

C. L. Boss Automobile Co.

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