Special Six Cars First to Rim of Crater Lake.

SNOW IS BUCKED

id to Crater Lake Lodge Now I Open and Highway From

With the road open and snow fast sappearing as the result of warmer thather, motorists who make the trip Crater lake during the rest of the ason will have a hard time imaging the hard battle with the snow lifts which two Studebaker special cars had to put up shortly after y 4. when they reached the rim of lake as the first cars to accom-h this feat this year under their

But testimony that it was a battle and a real one was brought to Portand last week by Don C. McClallan this city, who, with Mr. and Mrs. wight Edwards of Portland and Mrs. eorge Coleman of Santa Barbara, ade the memorable drive in Mr. dwards' special six Studebaker, millar testimony was also brought bre by Mr. and Mrs. Frank K. Bench-y and daughter and Lester W. reiner of Fulierton, Cal., also traving in a special six Studebaker. in a special six Studebaker

g been the first cars to the rim
lake this year.
Edwards party left Portland
and after an easy trip southto Medford left the latter town ard to Medford left the latter town r Crater lake on July 5. They arved at the government camp. 1½, lies from the rim of the lake, that ght and were informed that the sad was closed to the lodge and ould not be open for several days, he next morning. Wednesday, July Mr. Edwards and Mr. McClellan liked the mile and one-half up to e lodge, inspecting the road on the ay. They found a number of cars They found a number of cars on route, but none had yet got h to the lodge.

Drive to Lake Attempted.

inspection of the road on the the lodge convinced Edwards started the motor and hit for show drifts. Although they were ed to buck heavy snow in a numof places, and at others were ly able to get along on account he heavy ruts in the road, they eeded in making the climb and first car to the lake this year is its own power. On making the rn to Portland the Edwards party via Bend and The Dalles, and ed the road in fair shape and

y passance.

California car, a special six operation. The questions, prepared chaker identical in model with by experts, are asked in one issue Edwarda car, made the attempt and answered in the next: the same day and a short time riler than the Edwards car. Hower, when within 100 feet of the ige the car encountered a drift cich was more than it could coner, and it had to be towed this dis-

A telegram of congratulation from ner, W. W. Bramlette of Los An-

aser of a stock model the Nevada road race, however, portunity was given to test the

ity and consistent power of r car. This three-day grind over e of the worst and roughest routes the country tries a car to its very als—as was demonstrated when so my entries were unable to finish."

he owner who is not vigilant and lects the parts he does not see or ich do not give trouble usually do some time that upon starting of the wheels becomes locked, en though the brake pedal or lever free. This is due to the fact that ere is so much play in the brake adject that when the hand brake of the released it morely takes up the play, leaving the unlubricated sechanism set in holding position. This happened recently and a hammer and to be used to loosen the brake mechanism.

To Remove Wheel.

5. To remove a wheel, tightily secured to its axie, without the aid of a wheel puller, remove the hub cap, place a piece of wood, with one end against the axie and the other negative that wheel around the head of the lack to another spoke on the opposite side of the wheel, the tightly and work the jack, which will exert enough pressure to start the wheel. Tapping

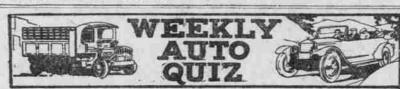
STUDEBAKER SPECIAL SIX IS FIRST CAR TO RIM OF CRATER LAKE ON ITS OWN POWER.





-Auto driven by Dwight Edwards of this city at the rim of take after Below-Climbing up the grade about half a mile from battle with anow. Be the rim of the lake.

On July 7 two Studebaker cars plowed through to the rim of Crater lake, the first cars to get through this year. The first of the two, driven by Frank K. Benchley of Fullerton, Cal, had to be towed the last 100 feet, but Edwards car made the entire climb on its own power. After the trip Edwards declared that for dependability his Studebaker ranks right up alongside of Dependable coffee.



THIS department is designed to wheel on the inside and jack with a aid motorists by asking and hammer will aid removing. aid motorists by asking and then answering in simple language questions relative to motorcar

Answers to last week's questions How to Climb on High.

1. Just how should spark and ga which was more than it could conjugate the carry of the feat of getting annee. The two cars divided honors, however, for the feat of getting have the feat of getting on a beginner, and it had to be towed this disance. The two cars divided honors, however, for the feat of getting have been as the second of the feat of getting have been dependent of the control as the special control of the morthwest, and arrived in overf one a beginner, and in overfact one of the about three beginner and in overfact one of the spinning will form here it one of the spinning will form here it one of the spinning will don't fine alternation of time the spinning will don't fine alternation of the spinning will don't fine alternation of the first of the spinning will don't fine alternation of the spinning will don't fine alternation of the first of the spinning will don't fine alternation of the first of the spinning will don't fine alternation of the first of the spinning will don't fine alternation of the first of the spinning will don't fine alternation of the first of the spinning will don't controls be manipulated to carry a car up hill on high gear? This ques-

Nevada highway association was ived by the Lincoln Motor comy on the signal victory of a Lincoln in the three-day 1000-mile road sic over Nevada deserts and mounts, according to word received by 1 Prasp, local Lincoln distributor. If the ten cars which started, only the were able to finish in the prize were able to finish in the prize were able to finish in the prize ity, and the Lincoln distributor, the ten cars which started, only the were able to finish in the prize were able to finish in the prize ity was the Lincoln, a left with the car starts upon the started by a steady reduction of car and engine speed and pounding and laboring of the latter, in which case a changing of gears to a lower speed is necessary. The reason why speed is necessary. The reason why seed is necessary. The reason why seed is necessary in the reason why seed is necessary. on.

The telegram from the Nevada highand that is why the use of the hand-

throttle control is recommended for hill climbing. Spark-Coll Trouble.

th an official distance of 1017 miles, e victorious Lincoln made a rearkable record. It was officially ecked at finish and start with its diator scaled.

"Less than ten miles of the route a surfaced, the rest is dirt. An impuse crowd witnessed the finish, he heartly congratulate you."

The winning Lincoln is the same lividual machine which recently locked a whole hour off the oftentested Les Angeles-Phoenix runtils same car also holds the record or the mountain route from Loss general in the shadow of Mount hitney.

The Lincoln Motor company," says statement by President Leland, "does in the reflectors. If the bulb of a lamp is to the left of the bulb of a lamp is to the left of the

they, the Lincoln Motor company," says atement by President Leland, "does lend the use of its name to race-k contests among 'special' cars, ause it thinks that such activities on no significance to the ordinary of a stock model. center of the reflector.

Use of Hented Wrench.

4. When a nut cannot be removed with an ordinary wrench and any effort to remove it would merely result in rounding the corners, try heating a wrench which will fit, placing it or Brakes Lock.

The owner who is not vigilant and selects the parts he does not see or

ot be run more than a few minutes continuously, without danger verheating.

This Week's Questions.

This Week's Questions.

1. Can a car be successfully repainted at home?

2. What causes the sharp snapping sound often heard at sparkplugs or wires when an engine is misfiring?

3. How are headlights placed in proper focus?

4. Sometimes it is necessary to turn a nut with a wrench which is too large to fit the nut properly. How can this be accomplished?

5. What parts, climinated in the modern steam automobile, are neces-

modern steam automobile, are neces-sary to the gasoline car?

6. Does a fully loaded car after the adjustment of operation of closely adjusted brakes?

7. What

adjusted brakes?

7. What percentage of people in this country possess automobiles?

8. How can misfiring cylinders be located in engines which have vibrator coll ignition?

9. Should valves be readjusted after they have been ground in?

10. What is good to ramove discoloration from brass?
(Copyright, 1921, Thompson Feature Service.)

WASHINGTON PEAK IS EASILY VISITED AT PRESENT.

Road From White Salmon to Guler and On Up the Mountain Easily Passable.

ared and Auto Explained.

a. Power from a steam automobile engine is applied to the rear axis and rear wheels directly through the differential, the engine being mounted at the rear of the car to the differential housing. Thus no driving the main driving gear of the engines to the differential. The entire range of speed and power is attained by use of the throttle.

Use of Klutch Brake.

7. The clutch brake is used to store negation. That the Trout lake district on the south side of Mount Adams is particularly attractive at this time and offers an excellent objective for a

trance of the cave in his automobile.

The ice caves are about six miles from Guler, he said, in a westerly direction, and are reached over a road direction, and are reached over a road direction, and are reached over a road six miles from miles are mainly the cause of an engine misfiring. A lean or rich mixture, either to an excess; carburetor joints loose, a cracked manifold or lits gasket defective and leaky, all causing alr leakage to cylinders and resulting in too lean a mixture; water or sediment in gasoline, weaken proper flow of gasoline; a worn needle valve or float valve, or either of them bent or dirty; a sticking float, closged or partly closged fueline, or line from tank or vacuum feed-tank loose at connections; not enough heat being supplied to carburetor to properly vaporize the gasoline.

When Cooling System is Drained.

10. With the cooling system of an engine drained, the engine should

flanks of Mount Adams.

The road up to Guier is in good shape at this time and the trip may be made from Portland in five hours or less, he said. The best route is from here yup the Columbia river highway to Hood River, across the Columbia to White Salmon and thence up the White Salmon fiver valley in the said may easily be accommondated. mud slide on the southwest slope last

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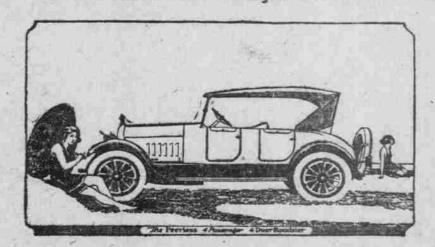
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