Automobile Engineer Interested in Races



"circus" performance.

This event, surrouning the au- nomy or easier driving. tomobile industry with an aura of ing experiment designed solely similarity. with a view to developing more effleient engines and accessories.

When a certain organizationor an engineer-has designed a ples and new ideas, they build it

Here it is subjected to a terrible test, and in 500 miles of ple is irrefutably proved.

Thus it is that races such as respect. this and the Grand Prix in France,

Engineers and technicians obthe prominent figures of the in- automobiles within a few years. lustry can be seen each year in attendance at this event.

year's 500 mile race, says Rollin er. H. White, designer of the Rollin

winner means little. Perhaps the similar races."

Gardner Climbs Crawford

Notch Thru Snow-Drifts

2 to 10 Feet Deep

'Cannon Ball' Baker has add-

strator to its credit, he re-

ed another record to his long list.

n a stock Gardner touring car,

cently pulled up Crawford Notch.

It all started when Baker, in Boston to broadcast the story of his record midwinter run from New York to Los Angeles in 4

days, 14 hours, 15 minutes in a stock Gardner Sedan, learned that

the state highway commissioner had reported that Crawford Notch would not be opened to traffic un-til the latter part of May or early

noted driver suggested to his friend and host, George M. Leg-

"Let's open it now," the

A spectacle well worth seeing, performance of some obscure 'also an event attracting world-wide at- ran' will show that some particutention because of its thrilling na- lar detail of design has stood up ord coast to coast run in a Gardture, the annual 500 mile race remarkably well. We then con- ner last February. So, though held in Indianapolis on Decoration sider it worthy of tests on our water seeping through the snow Day, is not, by any means, soley a stock cars and in time every mo- had made it 75% ice, the pair in torist benefits from increased eco- the Gardner fought their way on-

sport and thrills, is in reality a tions and those of the cars entered to allow room for backing to get sober and prosaic engineer- in these races shows a striking flying starts. Then, to add to the

"For instance, in this year's Indianapolis Sweepstakes all cars hind and making it necessary to cylinder cars. In this wracking road, had to be chopped away. new motor, embodying new princi- and intensive test of superiority. Yet Baker and his companion nothing but the basicly correct kept going ahead. and then enter it in the Indiana-ble-four cylinders can endure. A progress in a full day's running. similar occurrence was observed at Grand Prix races.

gruelling punishment, the motor's tors entered were of very small through the snow, taking nearly stamina and correctness of princi- displacement, the Rollin is some- three hours to do it. what ahead of the times, in this

their nature, would be impractical ders, to develop more power from the same size engine.

tion from these contests and all install this device on passenger even smaller than the Rollin-

"I always eagerly await and perhaps with but an 1 1/2 inch bore, closely study the results of each developing even more horsepowthat the Rollin, whose exceptional Baker smashed his way ahead, "As each year's entrance quali- mechanical advancement has been taking chances as the Gardner

fications are so framed as to bring accorded the universal respect of rode over icy creses, until at 12:20 salient points throughout the state out cars designed to investigate automotive experts and automo- he whirled through the banked-up certain principle of design, a bile users, owes a great deal of its driveway of the Crawford House, close study of the performance of superiority to the time and the to be enthusiastically greeted by all the entries is most illuminat- predilection European lengineers the proprietors, Mr. and Mrs. Barthe entries is most muminate predifection European lengtheers to a car designer.

The entries is most muminate predifection European lengtheers of the for submitting their motors on, and about 40 workmen entries is most muminate predifection. European lengtheers of the entries is most muminate predifection. European lengtheers of the product of the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors of the formula in the formula is a submitting their motors. The formula is a submitting their motors of the formula in the formula is a submitting their motors. The formula is a submitting their motors of the formula in the formula is a submitting their motors. The formula is a submitting the formula is a submitting the formula in the formula in the formula is a submitting the formula in the formula in the formula is a submitting the formula in the formula in the formula is a submitting the formula in the formula

> photographer, he set out from No wonder Baker said: "Craw-Bartlett, N. H., on a 53-hour bat- ford Notch, with its 15 miles of tle against snowdrifts, ice, fallen ice, fallen trees, and stiff, sliptrees and stiff, slippery grades. Ten minutes after the party pulled out, the battle began. Head-on into a snow-drift, Baker drove his Gardner, reversed, got a flying start, and tore in again. He gained a few feet. Time and again the process was repeated. Through drift after drift the Gardner battled its way, only to find another just beyond. Many

some places they were as high as with 22,000 miles of service as a an average freight car. after plowing through 12 miles of type of tire.

reached the top of the car-in

deep snow-6 miles up and 6 back. In the meantime, Wade had developed a had cold and was running a high fever; it became necessary, therefore, for him to abandon the trip. As there are no hospitals in that section, Baker drove him back to North Conway. where he could catch a train for Boston should his condition become worse. The three men stayed at North Conway that night and at 7:30 the following morning Baker and Nelson resumed their battle against the Notch.

Time and again, Baker's resourcefulness and experience in overcoming difficulties were called into play. He and Nelson would grab the top of the car, then rock it until the wheels sank to a solid footing below. At Bemis onlookers told Baker and his companion that they would never finish the trip. Baker merely smiled. He had often heard that said before, especially on his recward. At times it was necessary "A glance over Rollin specifica- to dig out the snow behind the car difficulties, a storm overtook the party, banking the road from be entered were either four or eight keep on. Trees, blocking the

they stopped late at night, 21/2 miles from the Crawford House. "This year, more than ever, mo- This distance they trudged

Tug-of-War Hill, the worst grade on the trip and the nemesis "This year most cars at both of thousands of motorists, lay dirare the laboritoires-the cruci- races were equipped with super ectly in their path, as they resumbles-of the industry, offering an chargers, a device for crowding an ed their trip early the following ortunity for tests, which, by extra charge of fuel in the cylin- morning. Drifts, trees and covover practically every foot of the "When results are analyzed en- way. At times, soundings were tain much information and inspir- gineers might find it advisable to necessary, to make sure that a good footing was underneath. physical exhaustion forced fre-"We might then have a motor quent stops-for breathing spells badly needed by both men.

After 48 hours of nerve-racking driving, Crawford House was still nearly a mile away. Start-"And I also might point out ing at 8 o'clock Sunday morning, summer guests. His speedometer showed

companied by Bill Wade and Rob- miles covered. That meant the ert Nelson, the latter a newspaper miles in covering the 15 mile trip. wheels had whirled seven extra pery grades, presented more ob-stacles in its short stretch than any other 15 miles of road I have ing known. Compared with a count ever covered. It was a gruelling tist in a wonderful car. Our Gardner was in splendid shape when we pulled into Boston Sunday night."

Balloon tires are now standard equipment with the new 1925 Cleveland Six. The adoption of the balloon type of tire by the Baker finally told his compan. Cleveland Six was due to the fact ions that he was going ahead on that practically 80% of the cars the famous New Hampshire hill which has always been a thorn in the side of automotive tourists.

OFFICIAL DESIGN OF THE OLD **OREGON TRAIL ASSOCIATION**



The design of the ox team and covered wagon symbolizes the spirit of the old west.

It typifies vision, endurance, hope, suffering and final accomplishment.

Over the Old Oregon Trail from the Missouri river the cov ered wagons came and won an empire for the United States. The design is the work of Avard Fairbanks of the University

tages of all of the various classes

of traffic except non-resident cars,

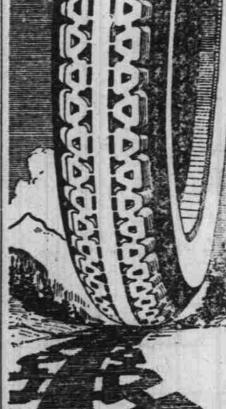
with the Oregon licensed automo-

ered boulders impeded progress Count at 159 Salient Points decrease in the percentage which in Oregon Made By Department June 13

> The total volume of traffic on present year. Oregon highways has increased in an unprecedented degree this counts made on June 13, counts year over last, according to a statement issued by the state highway department. Counts of motor vehicles were made at 159 on June 13 between 6 o'clock a. m., and 10 p. m.

"Of the total vehicles which were tabulated, 65.78% were pas-22 and Canada, 5.1% were trucks of 4.15% were trucks of over 1.5 ton in weight, 1.5% were horse drawn vehicles and 0.60% were motorcycles," says the statement.

"The counts indicate that the advantages to the tourist includtaken a year ago, the proportion of non-resident cars to the total traffic counted increased 3.50%. Decreases are noted in the percen-



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Not since the development of the cord tire has anything marked so many exclusive fea-tures of superiority as these great oversize C-T-C hand-built low inflation cords which we are handling. C-T-C's were designed and are built by nationally known tire engineers to carry lower inflation than so long recommended for standard cords, and still give greater mileage. The sidewalls are stronger, the tread tougher, the non-skid safer. There is also a C-T-C hand-built Balloon tire for extreme low inflation, which fits any standard wheel and rim. C-T-C Tubes add mileage to almost any casing.

Salem Automobile Co. Valley Motor Co. Ira Jorgenson Vick Bros. Columbia Tire Corporation Factory Branch, 477 Court St. Marion Automobile Co.



made a year ago on June 13, cific highway shows an increase of crease of 34% in non-real cal variations in traffic adjacent site direction. to large cities in order to eliminate distortion in the comparative figures from year to year.

を対すられど表達が自身といいには過ぎますがある方面を交換

and 1924 at 20 points on the Pa- 41% in total traffic, with an in-

1923. A comparison between the 34% in total traffic and an in- cars, results at these 128 identical cars. The results on the highway trail to the idaho state line ne points shows an increase of total in the southern part of the state Ontario, tabulations at sev traffic of 41% and an increase of show a comparable increase and points give a total increase non-resident owned cars of 62%. indicate that the difficulties atten- 46% and a non-resident car I These points have all been select- dant to coming across the state crease of 60%. ed for geographical considerations line from California are not disand may be considered a struly couraging the normal flow of trafrepresentative of the relative traf- fic to any appreciable extent. In fic increase throughout the state, fact, it is found that more cars Care has been taken to select are entering Oregon from Califpoints which are free from the lo- ornia than are bound in the oppo-

"On the Columbia river highway form Astoria to Pendleton, counts "A comparison between 1923 at 12 points show an increase of

Cleveland Six engineers ata that greater comfort has been hievad in the latest Cleveland by increasing the wheelbase, lo e.ing the seats and applying new type of spring mounting.

Classified Ads in The Statesman Bring Result



First Aid for Doctors

The doctor needs an all-weather car of high quality but low in cost and economical to operate.

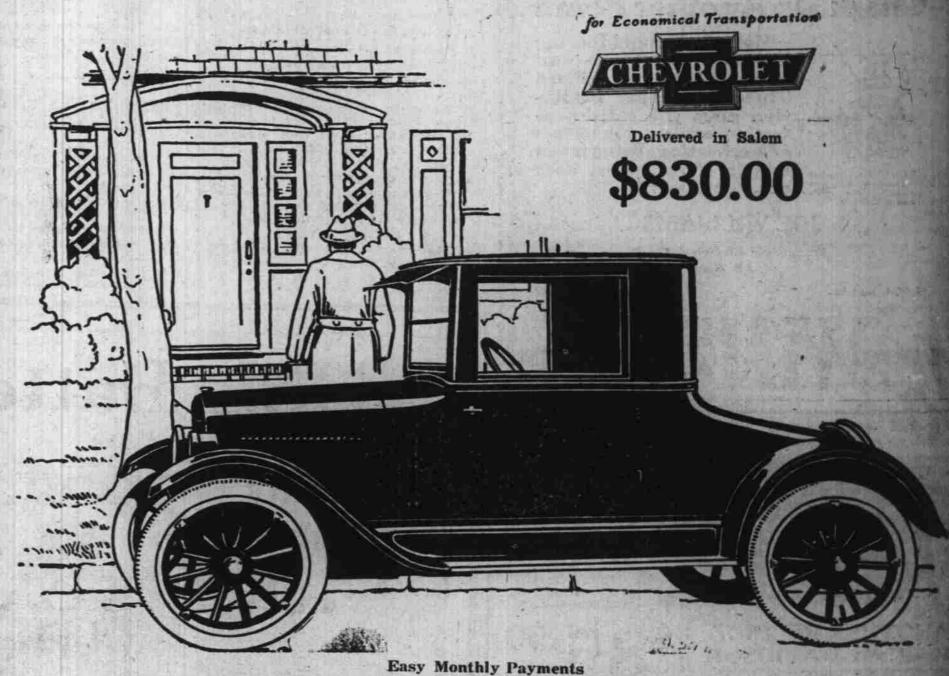
Here it is.

Chevrolet Utility Coupé \$680 f. o. b. Flint, Michigan

has a high-grade body with extra wide doors, large plate glass windows with Ternstedt window regulators, comfortable upholstery, roomy single seat, and a mammoth rear compartment for instruments, sickroom supplies and luggage.

It is easy to handle, dependable every day in the year, and has ample power to contend with bad road conditions.

See Chevrolet first.



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