



# AUTOMOBILES



## BIG AUTO RACES FRIDAY

Third Annual 500-Mile Meet at Indianapolis Decoration Day.

### TAKING CARE OF VISITORS

Bureau for Their Comfort is Active in Helping Them Locate Accommodations During the Event.

INDIANAPOLIS, Ind., May 24.—With the third annual 500-mile race less than a week off the officers in charge of the event completed arrangements for taking care of the thousands of visitors who will come here for the sweepstakes on May 25. It is expected that a larger crowd than ever, the largest perhaps that has ever witnessed an auto race in this country, will be attracted by the prominent cars and drivers that will compete this year, and the management has no small task on its hands to care for the crowds both at the course and in the city.

This year Indianapolis is better prepared than ever to care for a large crowd. New hotels have been erected and hundreds of the best private homes in Indianapolis will be thrown open to the visitors. A room bureau is maintained at the office of the Indianapolis Motor speedway, where for weeks a list of available rooms has been compiled. Before being entered on this list the rooms are inspected by representatives of the speedway, who make sure that they are desirable in every way. This system greatly facilitates the handling of the crowds and takes the burden of finding suitable accommodations off the shoulders of the visitors.

To Be Entertained. Those who arrive in Indianapolis before the race will find an abundance of entertainment provided for them. Many of the Indianapolis theaters will be open, and an unusual attraction will be offered in the form of a boxing match which will be held at the Indianapolis base ball park. Jack Dillon and Frank Klaus, both of whom claim the world's middle-weight championship, will meet in a ten-round bout, having been picked as the best attraction that could be offered the visitors. The base ball park affords an ideal location for an open air contest; the seating arrangement makes every seat a good one and numerous arc and incandescent lights will illuminate the ring and the stands perfectly.

## OMAHA LAD TO DRIVE IN THE MEMORIAL DAY RACE.



Charley Metz

Speedway Active. The Speedway now presents a scene of activity which has the real race time flavor. Every day a new team is added to the drivers' colony, and the test cars of local automobile factories, which usually do their testing on the big track, have been ruled off in favor of the racers. Real spirit is rife, and hundreds of people go to the Speedway every day to see the flyers in action. The preliminary battle is extremely interesting, and much depends upon the practice the teams get prior to the race. The track is now in perfect condition, and every pilot feels sure that he will be able to lower all previous Speedway records this year.

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## Here Auto Trucks Take Place of Horses

Confronted with the necessity of handling in a short time a great amount of granite to be used in the monument to Oliver Hazard Perry at Put-in-Bay, O., to be dedicated September 10, a firm of Massachusetts quarrymen found their horse equipment inadequate for the task and turned to a Peerless, five-ton motor truck.

The quarries of the Massachusetts Pink Granite company are on the top of a high hill, two miles from the mill where the blocks are shaped and prepared for shipment. Up this hill no road has ever been built. There is only the track used for many years by the horse drawing stone carts. In spite of the steep grade it took sometimes four and sometimes six, or in bad weather, even ten horses to pull the carts along. Two trips a day were made. Now the one truck is doing the work that was done by all the horses and more than the horses were ever able to do. The conditions are about as unfavorable for trucking as any that could be experienced. The blocks are carried one at a load and before they are dressed weigh from 11,000 to 12,000 pounds. Loading is done by the use of a heavy derrick. Over this route—much worse than the ordinary country road—the truck makes eight trips a day and covers a total distance of thirty-two miles.

## DISPOSES OF HEAVY CARS TO BUY LIGHT ONES

The municipality of Kansas City, Mo., has disposed of its heavy and expensive automobiles and is replacing them with Ford cars. Already there are twelve Fords in commission and the number will be increased to twenty-five.

## Revised List of Auto Contests for Year

NEW YORK, May 24.—The contest board of the American Automobile association has sent out this revised list of contests proposed for 1913, with approximate dates and promoter's name:

- May 23 and 24—Interclub reliability, to Indianapolis; Chicago Motor club against Illinois Athletic club.
- May 30—Five-hundred mile race, Indianapolis Motor speedway.
- June 7—Interclub reliability, Quaker City Motor club, auto clubs of Delaware county, Philadelphia and Germantown.
- June 14—Hill climb, Cincinnati auto dealers.
- June 19—Algonquin hill climb, Chicago Motor club.
- June 25 to 28—Nonmotor step run, Chicago in Boston; Chicago Auto club.
- July 4—Track meeting, Taylor, (Tex.) Auto club.
- July 4 and 5—Track meeting, Sioux City Auto club and Speedway association.
- July 5 and 6—Road races, Tacoma, (Wash.) Tacoma Carnival association, Montanara Festa Auto committee.
- July 11—National reliability tour, American Automobile association.
- July 17—Four, Grand Rapids Auto club.
- August 13—Reliability, Kansas State Auto association.
- August 29 and 30—Elgin road race, Elgin Road Race association.
- August 30 to September 6—Reliability, Chicago Motor club.
- September 1—Two-hundred mile track race, Columbus, (Ohio) Auto club.
- October 4 to 11—Around Lake Michigan, Chicago Motor club.
- November 24—Vanderbilt Cup race, Savannah Auto club.
- November 25—Grand Prize race, Savannah Auto club.

## BIG OMAHA FIRMS BUY FORDS FOR THEIR MEN

Commercial buyers' contracts, covering quantity orders for Ford runabouts, to be used by salesmen of Omaha firms, have recently been executed by the Ford Motor company with the following: City of Omaha; Standard Oil company; Bell Telephone company; Farmers Co-operative Creamery company; C. W. Hull Coal company; Krug Brewing company;

## New Record is Made on a Long Test Run

Interest has been roused by an official non-stop run of 200 hours, completed Friday morning, May 14, by a standard 38 Packard motor. This is a new record, more than doubling the best previous run of 125 hours made four years ago in England.

## New and Cheaper Fuel is Discovered

Just previous to the time the Standard Oil company announced the new fuel known as motor spirit, which serves to take the place of gasoline and at 25 per cent less price, Henry B. Taylor of the Complanter Refining company of Warren, Pa., announced the discovery of a fuel product known as gasene, resulting from the special distillation of crude oil, which was very similar to that announced by the Standard Oil company, although produced by a process of refining radically different. This fuel can be sold on the market at a cost to the retail buyer at about 75 per cent of the regular price of gasoline as it is now.

Notwithstanding this reduction in price of the new fuel, the thermal value is said to be greater than that of gasoline; properties of combustion are such that the ignition of the fuel takes place in a graduated way, instead of being in the form of an abrupt explosion. This makes it possible to carry a little higher compression in the motor, resulting in a higher mean effective pressure and a correspondingly greater delivery of power to the transmission elements.

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It was announced as a 200-hour test by the technical committee of the Automobile Club of America, under the official observation of which it was held. At the end of that period, however, the motor was running so smoothly that it was continued in operation for 100 hours more. Throughout the test came balanced upon the test rack proved the smooth running quality.

## SELF-DUMPING ALCO TRUCKS FOR BUILDING STATE ROAD

As an evidence of the increasing popularity of motor trucks with power-dumping bodies for contracting work, the Pennsylvania state highway department has purchased from the American Locomotive company two Alco trucks to be

## Huffman Company Gets Chandler Six

With the announcement that the W. L. Huffman Automobile company has secured the distributing rights in this section for the Chandler Six, the car will, July 1, be placed on sale. No car in recent years, it is said, has created such a sensation in the trade, for the Chandler Six is claimed to be a high grade, fully equipped touring car, built by former officials and lieutenants of the Lester Motor company, men who have been building high priced, high grade six-cylinder cars for years. They are preparing to market this new six-cylinder car at \$1,735.

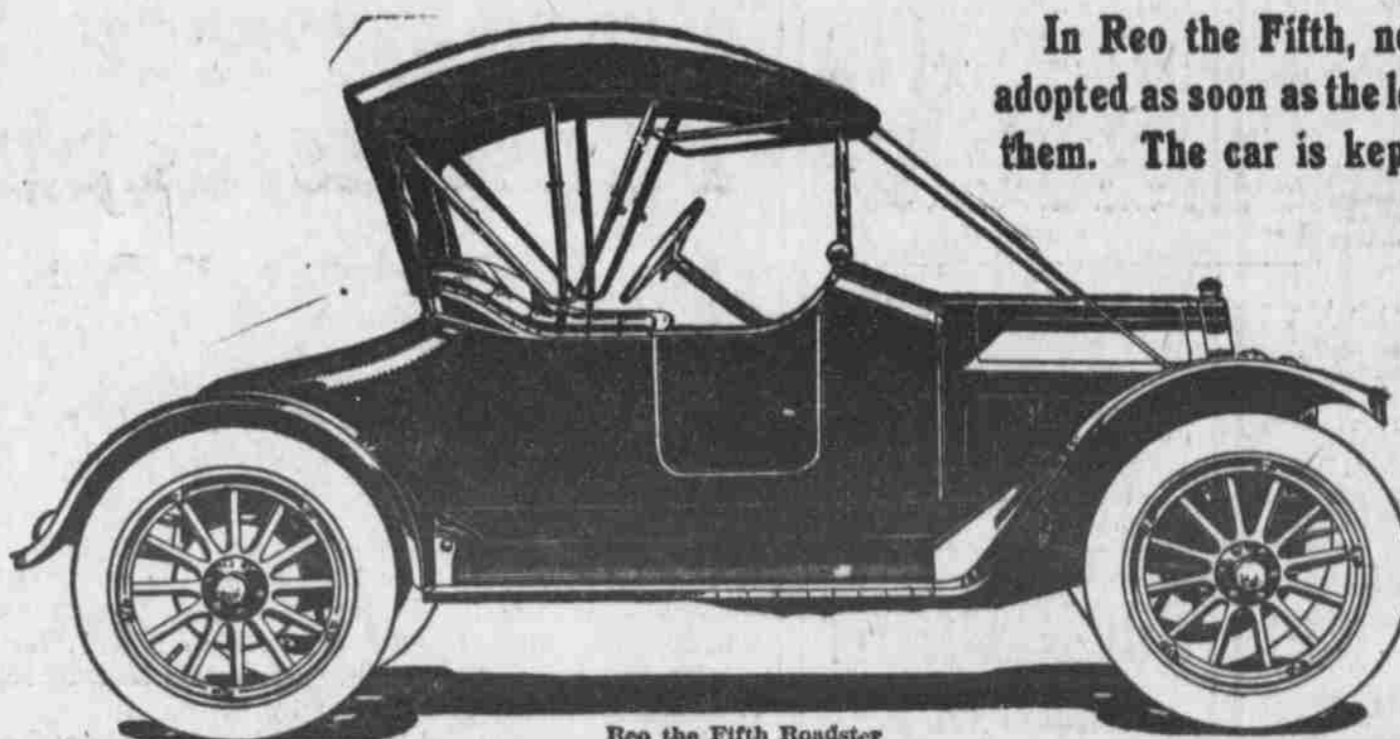
It is said that the six-cylinder car is fast displacing the four, but the price of a reliable six has heretofore been beyond the reach of the average purchaser. The Chandler, however, will be built in large quantities in a new factory, now bearing completion in Cleveland, O., and it is claimed that in all details of material, finish and equipment the car will best favorably compare with the best known and highest priced sixes heretofore offered for sale. The car weighs less than 3,000 pounds, fully equipped and filled with water, gasoline and oil and ready for the road. It is roomy, luxurious, staunch and speedy, able to negotiate the steepest grades on high gear, and with the ability to attain a speed of fifty to fifty-five miles per hour on the road, if desired. It is said to possess all the features demanded by purchasers of the up-to-date car, such as left-hand drive, center control, luxurious upholstery, clock, speedometer, electric lights, demountable rims, etc. The Westinghouse electric self-starter is a part of the equipment. Bosch magnets, Firestone demountable rims, electric coach type body are features of the car.

The Persistent and Judicious Use of Newspaper Advertising is the Road to Big Returns.

# Always Up-to-Date

By R. E. Olds, Designer

In Reo the Fifth, new ideas are adopted as soon as the leaders accept them. The car is kept up-to-date.



Reo the Fifth Roadster

Thus, at any time this car contains about every new feature in sight.

And most of the time one finds the car months in advance of its rivals.

### Next Year's Cars

The evidence is that most next year's cars will adopt the following features. The leading cars already have them.

Note that Reo the Fifth, as we build it today, embodies all these features:

- Left drive
- Center control
- Electric lights
- Set-in dash lights
- Over-size tires

There is no need to argue these. Note the leaders of Motor-dom—how all of them have them. There is no better evidence that cars without them will soon be obsolete.

### One-Rod Control

Another feature bound to come is the Reo one-rod control. Note what it means. No levers in the driver's way, either side of center. The driver's entrance on either side is absolutely clear. He never dismounts in the street.

All the gear shifting is done by one small center rod. It is done by moving this rod only three inches in each of four directions. Both brakes are operated by foot pedals. No coming feature means as much to the driver as this simple rod control, this absence of levers, this clear entrance in front.

### Things That Still Must Come

There are other features in Reo the Fifth to which cars of

this class must come. Men expect them in costly cars. But men are bound to demand them in any car when they know what their absence means. I refer to things like these:

- Analyzed steel
- Properly tested gears
- 15 roller bearings
- 190 drop forgings
- High-test magneto
- Doubly-heated carburetor
- Vast overcapacity
- Utter exactness
- Slow, careful building
- Insurance against flaws

I have spent 28 years building automobiles. I know their shortcomings—know what cars must stand.

Time will force all makers, as it forced me, into these extreme precautions. Steel must be made to formula—must be analyzed twice—to be sure of the needed strength.

Gears must be tested in a crushing machine, not with a hammer. Timken bearings cost five times as much as common ball bearings. But they must be used, and used everywhere—not only in the largest bearings.

Drop forgings are costly, but steel castings too often have flaws.

Strength that seems sufficient often proves insufficient. Big margins of safety are needed. In Reo the Fifth, every driving part is given 50 per cent overcapacity.

Parts should be hand-fitted and ground over and over. Every part should be given a radical test. Engines, after testing, should be taken apart and inspected.

### We Do All This

In Reo the Fifth all these things are done. They are

costly, but we save their cost by building only one model, by making all our parts, by modern machinery, by extreme efficiency.

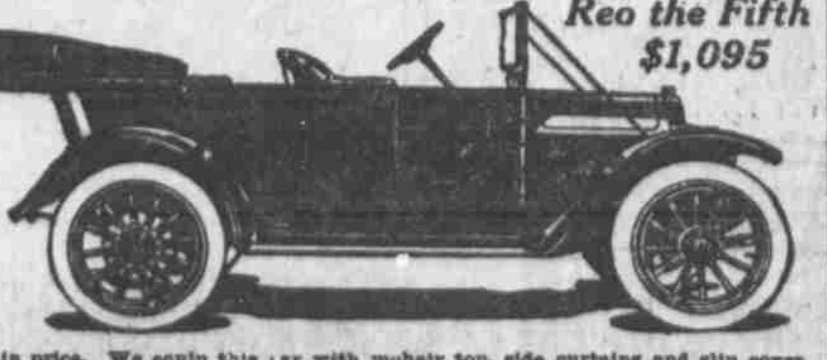
Our price proves that such things need not be expensive—need not be confined to the high-cost cars.

As a result, each Reo the Fifth is an utterly perfect car. It is almost a trouble-proof car. The extra cost to us is saved over and over in your upkeep cost. And year after year this car keeps running as well as it runs when new.

More and more, the men who know demand this class of car. Our sales this year have broken all our records.

A thousand dealers sell Reo the Fifth. If you don't know the nearest, write or telegraph for address.

- 30-35 Horsepower
- Wheelbase—112 Inches
- Tires—34x4 Inches
- Center Control
- 15 Roller Bearings
- Remountable Rims
- 8 Electric Lights
- 190 Drop Forgings
- Made with 5 and 2-Passenger Bodies.



Reo the Fifth \$1,095

Top and windshield not included in price. We equip this car with mohair top, side curtains and slip cover, windshield, front-0-lets gas tank for headlights, speedometer, self-starter, extra rim and brackets—all for \$100 extra (list price \$175). Gray & Davis Electric Lighting and Starting System at an extra price, if wanted.

# United States Tires are good tires

## How did you pick your car?

When you bought your car you didn't choose it because you happened to like the carburetor or because of its thick upholstery or even because of its famous motor.

You got right down to the bottom of the question. You compared various cars point by point until you finally found the car that came the closest to combining all the good points you wanted to find in your car.

Why not buy your tires in the same way?

Why not size up the various brands point by point and pick the tire that combines all those strong features that a good tire ought to have.

### You want high mileage

You will get from 25 to 50 per cent. more mileage from United States Tires than any tire ever yielded up to the time the United States Tire Company was organized.

### You want to avoid rim cutting

United States Dunlop Tires are the only tires ever guaranteed against it.

### Air capacity and diameter are important

No tire ever made has a larger average air capacity or larger diameter measurements than the United States Dunlop. Get a few cross sections and prove it with your own eyes.

### You want an easily manipulated tire

The round toe makes the United States Dunlop the most easily manipulated tire on the market.

### But the prime essential is fabric strength

Strong fabric means not only high mileage but protection against blow-outs. By a process which we have perfected and control exclusively we have practically doubled the strength of United States Tires and reduced blow-outs proportionately.

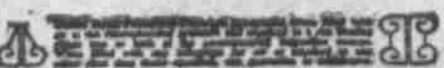
These are the good points you want to find in your tires. They govern the size of your tire bills. Four-factory cooperative methods (used exclusively in the making of United States Tires) have enabled us to combine all of them in this one tire.

Cost no more than you are asked to pay for other kinds

# Omaha Rubber Co.

DISTRIBUTORS

1808 HARNEY STREET



United States Tire Company New York

# DOTY & HATHAWAY

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