

DETROIT GUN CARS CONQUER DESERT

Studebaker Makes Twenty-Five Miles an Hour Over the Worst Roads in Texas.

CARRY ARMY EQUIPMENT

On the international boundary line that marks the division between this country and Mexico, where the United States government schooled the National Guard in the intricacies of modern warfare, the motor vehicle is playing a most important role. Hundreds of cars of various makes and description—driven by khaki-clad citizen-soldiers—may be seen in the vicinity of the various military camps in Texas, Arizona, New Mexico and lower California.

The cars are being tried and tested under every conceivable condition with a view to determining which of the many are more fitted to meet the needs and requirements of the government.

Good Speed Average.

An average speed of twenty-five miles an hour was maintained by the new Studebaker machine gun cars in their initial drive a few days ago over the 250 miles of country between El Paso and Deming, N. M., the first of a series of tests that will surely revolutionize this branch of the service.

The first lap of the trip from El Paso to Mesilla Park, N. M., was over fairly good roads—but from that point to Deming seventy miles of desert "sea" was encountered. Despite this handicap and the fact that upward slope places Deming 8,000 feet above the sea level, the heavy motors plowed steadily on over the ruts and cactus to the summit of Maspie Flats, now in deep arroyos with sand half way to wheel hubs and again on the wind-swept summits to Deming. The rigors of a mountain snowstorm raging throughout most of the day had little or no effect upon either men or cars.

Each car contained two machine guns and their equipment, 20,000 rounds of ammunition, tools, water, gas and oil, field rations and seven passengers besides the driver, a total weight of two and one-half tons. The seats are so arranged that they afford the greatest protection to the crew and driver.

Stewart-Warner to Build Two More Accessories

It was learned this week that the Stewart-Warner Speedometer corporation of Chicago is about to add two more products to its line of motor car equipment. These new Stewart products will be known as the Stewart V-Ray Searchlight and Stewart Autoguard.

As the names indicate, the products are a new type of searchlight (commonly known as "spotlight"), and an original design of auto guard or "bumper," as the latter is generally termed.

The officials of the Stewart-Warner concern are not at this time ready to make public all the details concerning its forthcoming additional accessories, but it is understood that they differ in many radical respects from the ordinary type of "spotlight" and "bumper." Just what their distinct advantages are will be officially announced very shortly.

"Smoky Joe" Comes Back.

Pitcher "Smoky Joe" Wood is doing real work in an effort to "come back" and make good with the Cleveland Indians.

Elgin Six Made from Candy



Elmer Rosengren Answers Questions As Part of His Job

Elmer Rosengren of the Nebraska Storage Battery company answers a great many questions each day pertaining to the general care of a storage battery. The following are a few of the most frequently answered:

Question: How can I tell when my battery is discharged?
Answer: Test each cell with a specific gravity hydrometer. When it is discharged it will show low specific gravity of about 1.100. When it is charged it will show a high specific gravity, or between 1.275 and 1.295.

Question: How often must I have my battery charged?
Answer: It will not be necessary to have it charged off the car, providing that your electric generator has the proper output to keep it charged. Use your hydrometer springs regularly and see that the specific gravity drops off, have the generator looked at and adjusted so that it will give full capacity.

Question: If car is allowed to stand idle for some time, will the battery lose power by discharging through the starting and lighting system?
Answer: A battery will not lose power through the starting and lighting system unless there is a defect in wiring, switches, lamp bulbs or other parts of the system. If it is noted that the battery does lose power, the car should be immediately taken to an expert and the cause of the trouble removed.

Question: Will the battery run down if disconnected for a period of four or five months?
Answer: The battery will become discharged to a considerable degree if left for a period of four or five months. You should recharge it at intervals, either by running the engine for one or two hours, once in two weeks, at a speed equal to twenty miles an hour, or from some external source, such as vibrating, alternating current rectifier. If convenient, do this; the battery should be taken to a service station, who will give it proper care.

Question: How much does the battery have to test before the lights go out?
Answer: A battery is discharged when the gravity reads approximately 1.170 and should be recharged at once.

Hank Gowdy is Beau Brummel. Word from the Braves' training ground has it that Catcher Hank Gowdy has the greatest array of scenery at the camp. "This said the blonde tactician has a different suit of clothes for every hour of the day.

Benny's Eye. Benny Kauff, the Giants' outfielder, is not busting any fences these days, but he confidently expects to find his batting eye by the time the opening game in the big yard is called.

Some Suggestions on Way to Cut Tire Costs

E. J. Huftaker of Powell Supply company, local distributors of Lee tires, has prepared a list of spring suggestions for tire users. Some of them follow:

Before you finish tuning up your car for the coming season take your castings off and examine the rims. If they are rusty don't fail to scrape and paint them.

And don't put the castings back until you have made sure that the rims are absolutely true and free from dents. Sprinkle soapstone into the castings before replacing the tubes.

If the rear tires are worn get a new pair for the rear and let the old castings spend their declining days on the front wheels where the service is easier. You will be money-ipped by so doing.

Test the alignment of your axles. The easiest way is to measure between the fellos of the wheel or the edges of the rims at the point directly in front of the axle. If this measurement differs from the same measurement taken on the opposite side of the wheels it shows the axles are out of alignment. Correct this defect immediately or expect big tire bills.

Buy a good pressure gauge and register a solemn vow to use it frequently and regularly throughout the season.

Royal Cord Tires Help Auto Beat Train Record

Equipped on rear with United States 36x4 1/2 Royal Cord treads and United States Plain treads on front, a Cadillac belonging to the Chattanooga Automobile company recently broke all former time records between Chattanooga and Atlanta and Macon, doing 441 1/2 miles in thirteen hours and thirty-five minutes, thereby beating the best previous round road trip by four hours and eight minutes.

It is most interesting to note that the part of the journey between Chattanooga and Atlanta was covered in three hours and thirty-five minutes, thus beating the record of the famous "Dixie Flyer" by eight minutes.

Road News from the Omaha Auto Club

The county engineer of Mills county, Iowa, writes that two of the worst hills on the Omaha-Glenwood route, Pony creek and Green, will be cut down to a 6 per cent grade or less. These two hills are well known to motorists of Omaha who have made the Glenwood trip.

County Engineer Fishel, Crawford county, Iowa, writes: "We have contracted for moving 750,000 cubic yards of earth in road work this year, the mileage being forty. This will include the relocation of the Lincoln highway between Dow City and Dunlap. The change will eliminate crossing the Northwestern and Illinois Central railroad tracks twice, shorten the route half a mile and reduce grades to 1 per cent. A feature of our 1917 work will be the patrol system, road men covering a section of the main roads and repairing holes as fast as they appear."

The county engineer of Saunders county, Nebraska, states: "We will have three caterpillar tractor outfits on the roads this year and our highways will be kept in good shape. We have 1,400 miles of roads, and 500 of them regularly dragged."

The county engineer of Harrison county, Iowa: "We have 500 miles of dragged roads. Our 1917 work will consist in keeping the highways in good shape and widening some of our bridges."

County engineer of Shelby county, Iowa: "Our big job last year was removing 6,559 cubic yards of earth from Schwab hill, one and one-half miles east of Harlan, and 12,438 yards from Pickard hill, five miles north of Harlan. This has made a good road north to Carroll and Denison, with maximum grade of 8 per cent, reduced from 26 per cent. We have 780 miles of road and 160 dragged."

The Omaha Automobile club is advised there is a bad mudhole on the O-L-D highway just out of Gretna. Tourists and local motorists should inquire at Gretna garages for directions of detour.

The Omaha-Kansas City route is reported in fair shape, with exception of bad spots between Leavenworth and Atchison, which will be passable in another day. Cars going through now without trouble.

Omaha Electric Light Co. Buys Two New Machines

Two new 1917 Harley Davidsons were delivered to the Omaha Electric Light and Power company today by Victor H. Roos, the local Harley-Davidson dealer, for use in their service department. This makes a total of seven Harley-Davidsons now in use by them. It is becoming more evident every day that the motorcycle is fast becoming popular with the commercial field as well as with the pleasure seekers.



Tone! By smoothing out vibrations into one continuous concord the Twin-six develops its mastering volume of power

Just as the resonant, sustained notes of the deep-singing cello are the result of many vibrations turned into one, so the rapid impulses of the Twin-six motor blend and become one sustained, driving force.

It is lost motion put to work—harmony.

The cello's smooth tone vs. the drum's beat! And economy of all the motor's

resources—the saving of gasoline—the wresting of more miles from every gallon.

A responsive instrument! Also—

Tone of another sort the resplendent Packard ever carries. The craftsman's art has done its utmost to make the Twin-six as beautiful as it is comfortable.

Spring is here—and a chance to master the highway.

Ask the man who owns one

Choice of twenty body styles. Prices, open cars, \$3050 and \$3500, at Detroit

See The Orr Motor Sales Company Lincoln Fortieth and Farnam Sts., Omaha Sioux City



THE FRANKLIN CAR

When You Buy Your Next Fine Car, Why Not Get Rid of the One Thing That Shackles Usefulness?

EXPERIENCE is a good teacher, but when it comes to owning an automobile, being the pupil is a most unsatisfactory position.

As in the case of one of our friends who dropped into our showroom last week and said:

"The only possible way for me to hold down the expense of my heavy car is to see it less!"

And the moral in that statement is: know the weight of your car in advance.

Know how necessary light weight is to good results in—

- Tire mileage
- Gasoline mileage
- Upkeep and Depreciation
- Reliability
- Comfort
- Safety

While you are finding out these things, remember that Scientific Light Weight—not mere weight cutting—has been a Franklin principle for 15 years.

Get the facts behind the Scientific-Light-Weight Franklin Car, and, if you can, get the facts behind other fine makes of cars.

Here are Franklin weights, on the scale:

Not one of the open cars weighs over 2280 pounds; not one of the enclosed cars weighs over 2620 pounds.

Take these figures as your gauge for comparisons. Then let us prove Franklin light weight by a ride in the car.

After that, meet a Franklin Owner—you'll find there our source of information.

But the time to do these things is before you buy, not after you have paid the penalty of heavy weight.

FRANKLIN MOTOR CAR CO.

2205 Farnam Street Phone Douglas 1712

R-U-2-B-1-of-60

Willys-Overland Motor Cars

True Economy

Prices Effective April 1st, 1917

Light Fours

- Touring - \$ 695
- Roadster - \$ 680
- Country Club - \$ 795

Big Fours

- Touring - \$ 850
- Roadster - \$ 835
- Coupe - \$ 1155
- Sedan - \$ 1410

Light Sixes

- Touring - \$ 985
- Roadster - \$ 970
- Coupe - \$ 1255
- Sedan - \$ 1515

Willys-Six

- Touring - \$ 1425

Willys-Knights

- Four Touring - \$ 1195
- Four Coupe - \$ 1180
- Four Sedan - \$ 1350
- Four Limousine - \$ 1550
- Eight Touring - \$ 1990

Advance in price, Big Four and Light Six models, May 1st next—deferred until that date account too late to correct advertisements appearing in magazines, circulating throughout the month of April.

All prices f. o. b. Toledo

Subject to change without notice.

"Made in U. S. A."

Choose that car which will best serve your needs within your means.

This constitutes true economy in the purchase of an automobile.

There is integrity of value in every one of the cars in the Willys-Overland line,—the most comprehensive line of cars ever built by any one producer.

For most families we think the Light Six at \$985 and the Big Four at \$850 represent just the right combination of the practical with the luxurious, to result in lasting satisfaction.

But the car in the Willys-Overland line best suited to your needs and your means is the car for you to buy with an eye to true economy.

Each has shared in the economies of our greater production—each is, we believe, the dominant value among cars of its kind.

Let us help you choose the car that for you individually will best exemplify true economy.

Come in and see how much car \$850 will buy in the Overland Big Four or \$985 in the Overland Light Six.

WILLYS-OVERLAND, INC., OMAHA BRANCH

SALESROOMS Douglas 3292.

2047-49 Farnam Street.

SERVICE STATION Douglas 3290.

20th and Harney Streets.

Big Four \$850

Light Six \$985



The Willys-Overland Company, Toledo, Ohio
Manufacturers of Willys-Knight and Overland Automobiles and Light Commercial Cars