

SPRINGS FEATURE OF NEW OVERLAND CAR

Remarkable Results From Entirely New Design.

TRIUMPH FOR ENGINEERS

Three-Point Cantilever Spring Suspension Solves Comfort Problem With Light Car.

According to persistent reports going the rounds of the automobile industry, the Willys-Overland company in building its forthcoming new model, has successfully solved the problem of combining riding comfort with light weight.

To build a motor car light in weight

THEY DIDN'T HAVE TRAFFIC RULES IN THE GOOD OLD INJUN FIGHTING DAYS, SO WOT TELL THERE, COP, WOT TELL?



SERGEANT FRANK ERVIN WAS GOOD NATURED, OR COLONEL KING STANLEY AND HIS MAXWELL "DESERT RAT" MIGHT HAVE HAD TO GO TO LOCKING TRAFFIC.

In the rare old days when Indiana roamed the land and Colonel King Stanley was scouting with Buffalo Bill Cody, Jim Bridger and others of the boys for Generals Miles, Crook and Howard, the man had the right of way who took it.

When Colonel Stanley was in town a week or so ago in his famous Maxwell "Desert Rat," in which he retraced old Indian trails, he just naturally neglected to heed a little matter like the "Stop" signal at Fifth and Washington, but drove right ahead, to the astonishment of Traffic Officer Elliott. Mer Elliott, who took that particular place to stop a moment and putter around under the hood, Sergeant Frank Ervin (right), head of the motorcycle squad, happened along rather conveniently for the colonel, all things considered.

and embodying quality, economy and simplicity of design, yet possessing all the comfortable riding characteristics of the larger and heavier vehicles, has been one of the absorbing aims of the automobile industry for years.

The problem of reaching ideal light weight has been puzzling and was not made possible of solution until engineering attention centered upon springs, springs. Light began to dawn when the Willys-Knight engineers attacked the light-weight and comfort problem, convinced that a new type of spring must be devised.

The three-point cantilever spring suspension was the result and is the basic principle in the new car which Overland will soon offer. This principle admits of a short wheelbase, without which light weight cannot be achieved, and at the same time gives the new model a long riding or spring base, which produces comfort.

The advantage of light-weight construction in motor cars long has been recognized in the industry. For years metallurgists have perfected metals strong and durable enough to withstand persistent road shocks, yet light in weight. They have accomplished much toward this end, as a comparison of the cars of today with those of yesterday will readily disclose.

The new Overland model four spring suspension has, it is claimed by the company's engineers, provided through its departure from the conventional design large-car comfort in riding in an economical automobile of actual light-weight design. Their work was guided by the principle laid down by John N. Willys, president of the company, that all these advantages were to be incorporated with no sacrifice of economy of operation and upkeep that the public has long expected of the light-weight car.

The heavier automobiles have had the advantage of longer wheelbases, the equivalent of which is attained in the Overland model four through its unusual spring suspension.

The introduction of the new Overland model is awaited with keen interest. Inquiries of dealers, at the factory and in the knowledge of the statements in the advertising of other manufacturers and trade journals during the last year indicate the interest in the forthcoming announcement.

claimed by countless imitations; and today the principle has been even more eloquently acclaimed by the ultimate judge—the truck user himself—as the production figures for the first quarter of the year clearly prove. We manufacture but a single model; but with that one model we are building more trucks than any other manufacturer—whether he have one or a dozen models.

"I would not attempt to forecast the future. But this I will say: We shall not voluntarily relinquish the position of dominance we have thus acquired. To maintain that position we must increase our truck output to keep pace with the constantly increasing demand, and even now our production is running more than 50 per cent stronger than the record figures for the first quarter.

With all that, it must not be supposed that we intend to abandon the passenger car field. War conditions and our feeling of what was due from us to our country in wartime curtailed our passenger car production for the past 12 months. That curtailment was temporary. We purpose to build more passenger automobiles in the 12 months beginning August 1, 1919, than in any similar period in the history of this company."

AND DON'T FORGET THE SPADE It's One of Most Important Adjuncts for Motor Touring.

Under the title "High, Low and the Game," Edwin L. Sabin, in Motor, the



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ANOTHER JOB LOST TO POOR OLD HORSE

Trucks Fast Displacing Him in Hauling of Freight.

FIGURES PROVE DECLINE

Development of Cord Truck Pneumatics Makes Truck Service Practicable on Dirt Roads.

The passing of the horse on city streets and country highways is now in its second phase. A decade ago the passenger car took one big job for him. Today the motor truck is taking his last job.

A report recently made by the sanitary bureau of the New York health



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WESTCOTT

The Car with a Longer Life

We beg to announce arrival of a shipment of WESTCOTT LIGHTER SIX 5-passenger touring cars. These splendid automobiles will be ready for delivery not later than Tuesday, September 2.

This is the last shipment of LIGHTER SIX cars we will receive at the current price. Later cars of this type are to advance in price on September 1.

INVESTIGATE AT ONCE and get the benefit of the lower price. The WESTCOTT LIGHTER SIX is a gem. It is the most completely equipped car in its price class in the market.

Moltzner-Westcott Motors
Distributor
Washington and Burnside at 16th Street Portland

of farm products the country has known. Barring unforeseen calamity, the country will be prosperous this fall and winter. Motor trucks will be among the things the farmer will buy out of his increased income. The demand should be particularly heavy."

FRUIT BUYERS BLOCK ROADS Feasting Tourists May Cause a Revision of Traffic Laws.

LOS ANGELES, Aug. 23.—Eastern auto tourists, feasting along the roadside on California fruits, threaten to cause a revision of the traffic laws in the vicinity of Los Angeles.

A curious situation has developed as a result of what are called "highway markets." These are fruit and vegetable stands scattered throughout the suburbs on the edges of orchards and truck gardens.

The trouble comes from auto parties stopping on heavily traveled highways to purchase tempting displays fresh from the fields. Congestion and delay result, especially where the little markets are opposite each other, as frequently happens. There is no law to enforce a motorist to shorten his stay or move off the road.

For repairs on a car or other necessities for stopping, the law decrees that the four wheels of the car must be off the road. In buying fruit and vegetables, however, the car may stop as long as the owner desires in the roadway.

The tourists are delighted with the present arrangement, while the natives, although not wanting to displease their guests, are appealing to the Chamber of Commerce and the Automobile Club of Southern California for some sort of relief.

SOAK THEM IN OLIVE OIL Asbestos Washers Should Have Special Treatment.

Spare asbestos washers should always be treated before being placed among the spares in the car. A six hours soaking in olive oil, followed by a draining and brief drying and a final rubbing with fine black lead, will give a good tight washer that will come apart cleanly at any time.

Cleaning Contact Points. It is sometimes difficult to find a really satisfactory agent for cleaning the contact points of ignition apparatus or the surface of a commutator on a starting motor or a lighting dynamo. There is something known as "cuttlefish paper," which is finer than the finest quality of sandpaper and which is very well adapted to this operation.

Cuttlefish paper is not regularly carried by hardware stores, but it may be obtained from dental supply houses.

"wherever you look"

BRUTE STRENGTH

That prime necessity in a motor truck—is built right into the

MASTER

1 1/2, 2, 3 1/2 and 5 Tons

Two Drives { INTERNAL GEAR
TIMKEN WORM

Oregon Motor Car Co.

Distributors
PARK AND DAVIS STREETS

"wherever you look"

The 1920 Case Six Is Here!

Much improved in appearance, combining every factor for beauty, strength, power and comfort, the new 1920 Case models, just from the factory, fulfill every expectation demanded by motorists who appreciate the best.

ORDERS ARE BEING FILLED IN ROTATION

J. H. GRAHAM

Parts Service
TENTH AND STARK
The Man Who Put Serve in Service
Bdwy. 3231

Are You Sure You Need To Get That New Battery?

We repair your old one and save you money. Gould Quality parts of the right type and we have skill and experience. A good repair job that saves you money will make you a permanent customer or we can sell you a new battery—that's good business for us and you.

RATHKEY Battery Co.
Expert Repairing and Recharging on All Makes of Batteries
389 Oak St. Bdy. 2604 SERVICE STATION

Don't Wash Your Car, but Have It Simonized

Portland's only authorized Simonizing Station.

SIMONIZ SERVICE

Oregon Distributors for Simons Products
A. G. PEARD
M. A. WURZWEILER
Owners-Managers

THE SIMONIZING STATION
175 21st Street
Next to Covey Motor Co.
Marshall 3982-A 7901

REO MAKES MOST TRUCKS

OFFICIAL RETURNS PUT IT IN LEAD SO FAR THIS YEAR.

Judgment of Chief Engineer in Pioneering Pneumatic-Tired Power Wagon Now Vindicated.

According to a statement just made public by R. H. Scott, vice-president and general manager, the Reo Motor Car company is now the largest truck producer in the world. Mr. Scott's statement, based on official figures for the first quarter of 1919, comes as a surprise to those who have not watched closely the progress of the statements in the manufacture of trucks. Mr. Scott also indicates that the Reo Motor Car company is planning an increased production both of passenger cars and trucks for the next fiscal year. The text of the statement follows:

"Based on official figures for the three months ending March 31, 1919, at present the Reo Motor Car company is producing more trucks for commercial use than any other truck manufacturer in the United States, with the possible exception of Ford, whose figures are not available. I make this statement with full knowledge of the statements in the advertising of other manufacturers that they are the largest truck producers. Official figures furnish the indisputable answer.

"This achievement represents to us the vindication of a principle. When we first presented a truck whose outstanding attributes were economy, speed and complete electrical equipment, the judgment of Mr. Thomas, our chief engineer, was freely questioned by buyers and competitors alike. Within the past year the correctness of our principle has been eloquently ac-