EXPERTS HAVE BEEN BUSY BUY HIGH GRAVITY GASOLINE Latest Fruits of Inventors' Brains Tests Show that Gravity Determines Will Be Seen at Auto Show.

PROFITS ARE NOW SMALLER POWER IS IN EXPLOSION

While the Profit Per Car Has Been Materially Reduced, the Quantity of Sales Makes Up Difference.

Many new ideas will be seen at the the auditorium Monday night. High priced experts have been racking their brains to have their make of care surpass all others and the results will be of interest to the visitors at the show.

In the effort toward comfort and not with him, but with yourself. beauty in the construction of bodies the seper uphelstery, have provided more chambers are built in them to permit the the greater will be the driving power, power element, but really intended to room in both tonneau and front maste and have equipped their cars with larger tires. Several companies are putting out cars with seats tilted back, while there was noticed a car in which

the rear seat could be adjusted to suit the pleasure of the occupant. beauty of design and finish the bodies turned out by the American builders are now considered the equal of the foreign product, which for many years led the way. Most of the foreign chassis which are now being sold in this country support bodies built by Americans. There seems to be a tendency toward the stream line body, which is growing in favor both here and in Europe. The removing of tanks, tool boxes and tire racks from the running boards is a movement in

this direction Products Are Standardised. The progress that the standardisation idea has made in the last year is re-Many of the manufacturers are announcing that they will limit their chassis production to two models, or even one type, this year. Where there are two or more models of chansis most of the parts are interchangeable in many instances, the only difference being in wheel base and a few other points.

To enuumerate the various changes in design and mechanical construction would require a volume. The mechanical changes for the most part, nowever, are of a minor nature. Pew radical departures from the accepted types of motors are in evidence. The manufacturers are convinced that the power plants of the present day are diose approaches to the best that can be evolved and consequently they are turning their attention to the refinement of detail and the production of fine bodies.

Possibly the most noticeable feature of the show is the evidence of how rapidly the industry has adopted the selfstarter in the last year. At the time of the 1912 shows the self-starter was still a novelty to the great majority of automobile owners. Today the manufacturers who have not equipped their cars with a self-starter are in the minority. The perfection of this device has done more to interest women in the actual running of a motor car than any other improvement recorded in the history of the industry, declare the manufacturers.

Elaborate Equipment. addition of the self-starter to the regular equipment of most makes is but indication of the length to which the makers have gone in turning out fully equipped machines. With practically every car the manufacturer of today delivers equipment which in the first days of the industry would have been sold to the owner for a stiff price in addition to the cost of the machine. It is not because the manufacturers are making doing this. As a matter of fact the profit per car to the manufacturer was so small as it is now. But the making of motor cars has ceased to be the gamble that it was a few years ago. While the profit per car is smaller the aggregate profit of quantity manufacturing is many times that of former years. The business is now on a business besis. Waste is eliminated and the pub-He derives the benefit.

Three Rules for Selling Autos Are Given by Manager

From the dealer's point of view there are three principles which make for cusessful automobile salesmanship." says Ernest H. Cadmus of the Regal "These principles tales organization. 'Still hunting' your prospects, being square with the public and concentrating on one line.

"By 'still hunting' your nean," says Cadmus, "the giving of a nstration without attracting atten-Have your man come to the garage arrange a demonstration in such a manner as not to attract attention to the fact that he is a prospective buyer. Men are more pleased with such arrangenents than they are to have themselves publicly paraded.

"As for satisfying the public, every estable dealer knows that his greatest assets are the satisfied owners in his territory. Do everything in your power to keep them satisfied. Let the owners eel at liberty to drive into the garage and have their cure looked over. If it is matter of adjustments merely, or insignificant repairs, make no charge. You will find the owner glad to pay when he meets with an accident and has to have repairs. Furthermore he will patronize sur place of business when he needs something new."

OHIO ELECTRIC HAS SIMPLE PLAN OF SHOWING CONTROL

A very simple plan is employed by the Ohio Electric Car company to show distings at the show the operation of the system of control. A strippet is, which is handsomely finished iff in orange and white enamel, has been quipped with controller and steering ever, buttery and a series of lights, the stier mounted on a platform at the

front and of the chassis. The system of control used in the Onio setric is known as the pe, as distinguished from the "drum" type employed in many cars. The con troller is mounted on an arm attached to the steering lever. It consists of a small guita percha disc, capping a nickel out. Turning the disc operates a series ingers inside the oup, which govern econdary electric currents, which in turn untilate a series of magnets that bring

about contacts in the primary circuit, The lights on the front platform turn on and off when the several speeds are light into play. Reverse speed and

the Number of Heat Units.

Gasoline Develops a Much Higher Efficiency of Servtee to Engine.

When the fellow with the low gravity ends, tries to show you how much power tains, it's time for you to begin to reason

are provided and pipes run through each engine apt to run hot. engine to keep it cool.

heat units, every gasoline engine would be gasoline.

Consequently the More Volatile the heat and prevent the steam from con- little thinking and you'll soon determine and more volatile gasoline. As a matter ing 21,546,146 power units for the pound, mits the longer use of the batteries after

ity test gasoline produces a greater num- you: Omaha automobile show, which opens at test, cheap gasoline filled with heavy produce the motive power that drives a could we have it is liquid form as we you can get out of his gasoline, because engine would be so constructed as to get centage of hydrogen it contains, conse-

It stands to reason that the higher the gravity gasoline,

so constructed that they would retain the When the low gravity gasoline man the explosion of gasoline. tries to show you the great advantage Therefore the gasoline with the heavy duce 10.811.09 power units from the hydro- power more regular than a lower gravity; The fact is true in a steam engine, of low gravity gasoline as a power drive ends and having greated heat units is gen and 10,000,007 power units from the also decreases the need of excessive Every means possible is used to conserve ing force for your auto engine is cold and perfect combustion, totalhow illogical is the argument. A study of fact, the gasoline with the heavy ends The salesman who argues that low grav- of the following will prove of benefit to is a resistance to engine driving power. contains .1644 pounds of hydrogen and

gasoline is right in that particular only. hydrogen. The most perfect fuel for com- and other chemists of equal note give us the hydrogen producing 10,280,850 power of carbon formation as poor oil. It's true, but it lan't true that heat units bustion engines would be hydrogen gas, these basic facts: gasoline engine. If it were, no gasoline have the gasoline; the greater the per- produces 62,535 British heat (more recently of the great number of heat units it contains, it's time for you to begin to reason not with him, but with yourself.

Turn over in your mind the mechanism of a gasoline engine. They are all contains, it's more lorsepower per pound. This is more horsepower per gallon.

The great number of heat units it contains, it's time for you to begin to reason not with him, but with yourself.

Actually, the greater the power producing force. The statement that the lower gravity gasoline contains greater power units are power, and as one power unit equals 778 foot pounds and stabilishes the fact that as a factor of power unit equals 778 foot pounds and stabilishes the fact that as a factor of power unit equals 778 foot pounds and stabilishes the fact that as a factor of power one pound of hydrogen is equal to seven the being to convince the consumer that the lower the gravity gasoline.

Turn over in your mind the mechanism of a gasoline engine. They are all contains, it's time for you to begin to reason force. The statement that the lower gravity gasoline.

Actually, the greater the power units are power unit equals 778 foot pounds and stabilishes the fact that as a factor of power one pound of hydrogen is equal to seven the consumer that the lower that there is much to be accomposed to a power unit equals 778 foot pounds and stabilishes the fact that as a factor of power one pound of hydrogen is equal to seven units are power, and as one power unit equals 778 foot pounds and stabilishes the fact that as a factor of power one pound of hydrogen is equal to seven units are power, and as one power unit equals 778 foot pounds and stabilishes the fact that as a factor of power unit equals 778 foot pounds and the seven that there is much to be accomposed to the lower units are power units are power.

Actually, the motive power one pound of hydrogen is equal manufacturers have lengthened their of a gasoline engine. They are all con- in sudden contact with hydrogen. That tent being to convince the consumer that springs and wheel bases, have used structed to get rid of heat units. Air being true, the more volatile the gasoline, the lower the gravity the greater the

heat to travel out of them. Water tanks Not only is that true, but the less is your quiet his mind to the fact that he is be- commonly used gasolines will be interest-; than is developed by the lower gravity

The investigations of Dulong, Favoy.

known to be power) units. One pound of line has 495.0034 power units per pound for truck is bounded only by the bound

ing deprived of power while using low ing to automobiles owners, as they have gasoline.

never been published before. One pound of @-degree gravity gasoline they have become weakened by use. .SW6 pounds of carbon (note the decrease exercise care in buying gasoline, as poo units and the carbon 10,774.2536 power

This shows that the 68-70-degree gaso-

The use of a 68-76-degree gusoline has If motive power actually came from gravity test, the more volatile will be the The power that drives your engine does One pound of fo-degree gravity gaso- the advantage of creating more rapid and not come from the heat units, but from line contains 174 pounds of hydrogen and perfect admixture with air, forming

.525 pounds of carbon. This would pro- greater combustion and a product of If absolute freedom of carbon is desired, ber of heat units than a high gravity test Gasoline is a combination of carbon and Siberman, Laplace, Clement, Dupretz of hydrogen and the increase of carbon) gasoline is just as frequently the cause

President George A. Kissel of the Kissel Kar believes that the progress of the mo-The following analysis of the two mere equal to 66.91 more horsepower per gallon animal power," says Mr. Kissel.



There have been as many Overlands delivered in the past five months as all the factories of Germany can make in a whole year.

There have been as many Overlands already contracted for this year as the combined factories of France can make in one year, and twice as many as those of England.

How could such a demand be created by anything but the most car for the least money?

One Overland dealer alone will handle 4,000 cars during 1913. This is as many cars as 90 per cent. of the American factories make in a year.

Whenever you find the greatest demand you can depend on getting the greatest value.

Forty thousand people buy Overlands and lower the cost for each other. For when 40,000 people insist that their car be built in one factory—each comes at the rock bottom price.

When you buy an Overland, as compared to others, you get it at wholesale. Buying materials for 40,000 cars, makes our production cost the lowest in the world. And you save the difference.

In the state of Minnesota, our sales gain in 12 months was 98 per cent. The nearest competitor's gain was only 87 per cent; the second competitor's only 55 per cent.

These figures except no car represented in Minnesota. They are conclusive evidence that the Overland is the fastest selling car in America.

Forty prominent German engineers, in an effort to find a weak spot, tore down an Overland that had run over 5,000 miles. They could not find a single flaw, or a worn part.

Our exceptional value has always puzzled and astounded the world. But when you take into consideration the economy of building 40,000 cars a year you have the answer. The market for the best product is always unlimited.

We sold 400 cars in 1908; 4,000 in 1909; 15,000 in 1910; 15,000 in 1911; 28,000 in 1912; and are making 40,000 for 1913.

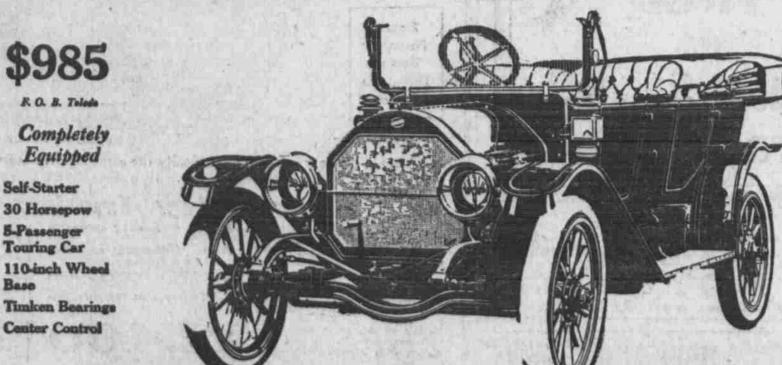
Year after year Overland value has increased. But our prices have steadily decreased as our production cost has been lowered.

Elsewhere you must pay \$1200 for a similar

Study the value below.

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F. O. B. Toled

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Clear Vision, Rain Vision Wind Shield Prest-O-Lite Tank