12-CYLINDER CAR IS LATEST IN PACKARDS

Willys-Overland Company Announces Use of Famous Silent Knight Motor.

ADVANCE IN ENGINE NOTED

Portland Representatives Unaware of Change Until Message From Factory Is Received-Higher Goal Expected.

BY CHESTER A. MOORES Two significant, almost revolution-sry, announcements last week stirred up a continual burz of gossip and com-ment in Portland automobile circles, the official statement by the Packard

the official statement by the Packard Company that it is about to market a 12-cylinder car and the announcement in Eastern trade journals that the Willys-Overland Company will soon bring out a car equipped with the famous Silent Knight motor.

Yesterday still another interesting development came in the bare announcement that the National Motor Company of Indianapolis would soon market a 12-cylinder car in addition to a new six-cylinder National, both to be called the "Highway" models.

The National Highway Twelve, which it in fact, a double Six, has 12 cylinders 18, in fact, a double Six, has 12 cylinders each 2% x4% inches in dimension. The price of the 12-cylinder car is to be

prices of the 12-cylinder car is to be \$1990.

The Packard engine is declared by its makers to mark the greatest advance in motor car design since the passing of the "one-lunger."

The Packard Company is the first American organization to announce the construction of an automobile engine having more than eight cylinders. Since the Cadillac Company presented its eight-cylinder car about a year ago, only to be followed in rapid succession by nearly a dozen other American makers, reports were rife that soon \$12-cylinder car would be marketed.

Now the tumult of rumors, in so far as they related to a prospective 12-cylinder Packard, have been crystallized by the announcement of the Packard "Twin Six." For many weeks the wiseacres in Portland have been telling quietly that the Packard announcement was about to come, but Frank C. Riggs, the Oregon distributer, kept mum all the wills and as a meetter of facts has

the Oregon distributer, kept mum all the while, and, as a matter of fact, he was kept somewhat in the dark until the factory telegraphed the announcement across the country for initial appearance in the advertising columns of The Oregonian last Sunday.

Price Rumored at \$3000.

beam, announced in the Summer of 1913. This English-made car at once distinguished itself by traveling over 197 miles in one hour of continuous driving. The man at the wheel was chassagne, who has entered a Sunbeam for tomorrow's Indianopolis race. Chassagne's mad race around the track at Brooklands was for the purpose of breaking the one-hour record of 193.84 miles, held at that time by Percy Lambert and a Talbot, and he turned the trick quite handly. trick quite handly, The 12-cylinder Sunbeam is a V-type

practically two six-cylinder motors, arranged in V-form, a single cam shaft lying in the crank case between them.

Tadical changes in Pierce-Arrow cars. The company's complete statement is stollows:

"Series three' Pierce-Arrow models iving in the crank case between them.
It employs two carburctors and two magnetos. The dimensions are 3% by 5% inches.

"Series three' Pierce-Arrow models will be continued, as previously announced, throughout the calendar year

Space Between Cylinders Clear, The Twin Packard Six motor is exactly what its name implies, two six-cylinder blocks arranged in V form, with an angle of 60 degrees between them. This small included angle atthem. This small included angle at-lows such accessories as starting motor, generator and water pump to be placed in the standard Packard posi-tion just inside the frame, so that the space between the cylinders is teft clear and the valves are conveniently accessible without the removal of a single accessory. The acute angle be-tween the cylinders also permits of a narrow frame at this point, with the result that the turning radius is even shorter than before.

The motor is of clean-cut design with nickeled trimmings and enameled cylinders. The bore is three inches and the stroke five inches.

and the stroke five inches.

In external appearance the new car retains all of the well-known Packard characteristics. It looks much like previous models except that the hood is shorter, the radiator tapered to conform with it, and the running boards set two inches nearer to the ground. The reduced length of hood permits of a shorter wheelbase.

When the hood is lifted startling changes are revealed. The 12 cylinders are there all right, but it is said to be hard to realize that such a power

to be hard to realize that such a power plant can be so compactly stored away.

"The Twin Six has a remarkable range of ability, combined with almost complete absence of vibration at all spends," said Mr. Riggs yesterday.
"This result is due not only to the "This result is due not only to the continuous smooth application of power from the 12 cylinders, but also to the fact that the small bore of the cylinders and the use of a special aluminum alloy in making the platons have re-duced the reciprocating weight of the or the reciprocating weight of the proximately half the weight of the corresponding parts in the previous packard model. The superior smoothness of operation, which is inherent in this 12-cylinder engine, insures longer life to the bearings and effects to expense in all and page life.

Two Wheelbase Lengths Offered, "The new car will be furnished in yo wheelbase lengths. The '1-35' is The present line of Packard bodies. The 1-30 is 125 inches and carries practically the present line of Packard bodies. The 1-15' is 125 inches and takes a new line of Packard-built bodies, which are a little less in length. There is a new-type control board mounted on the steering column with combination. type control board mounted on the steering column with combination lighting and ignition switch. This permits the operation of a combination of lights with a single lever movement.

"I don't know when I will get my first demonstrator, but I expect definite advices on that point shortly. I do not say that the 12-cylinder motor is

conomy in oil and gasoline.

applicable for small cars, but I do maintain that it is the ultimate proposition for large cars. There is and will always be a field for four-cylinder cars, there will always be a field for sixes or eights, and there will always, from this time forward, be a distinct field for 12-cylinder cars. If there is to be a scrap at all, it will be between the sixes and eights. The fact that the Packard factory has just added eight acres to its sigantic plant, shows that they mean business and that they will bear watching on this new cam-

will bear watching on this new cam

Willys-Knight Cars to Cost \$1200,
According to announcements made in the East the new Willys-Knight will cost \$1200, being the first Knight-motored car to sell for less than \$1400.

Many Portlanderes will be interested to know that Joseph H. McDuffee, who made this city his headquarters frequently while acting as Western representative of the F. H. Stearns Company, will be the big chief behind the Willys-Knight sales. When McDuffee was hat in Portland The Oregonian announced that he had become a personal representative of John Willys, the Overland manufacturer. The time was not then ripe for the Willys-Knight announcement, for Mr. McDuffee was making a tour of all of the large Overland agencies in the country testing the spirit of the dealers on Knight motor construction.

Anyone knowing McDuffee and the fervor of, his religion for the Knight motor might have banked at once on the outcome of his visit. McDuffee is one of the real pioneers of the automobile industry. He opened up the Willys-Knight Cars to Cost \$1200,

International Champion Here to Take Part in Races.

Northwest champion who pilots a Thor, has challenged both Walker and Crevison for the Northwest championship today and those who know the spunk tucked away in the backbones of all three boys predict that the fur will fly when they send their machines over the track.

Auto is to Race Motorcycle.

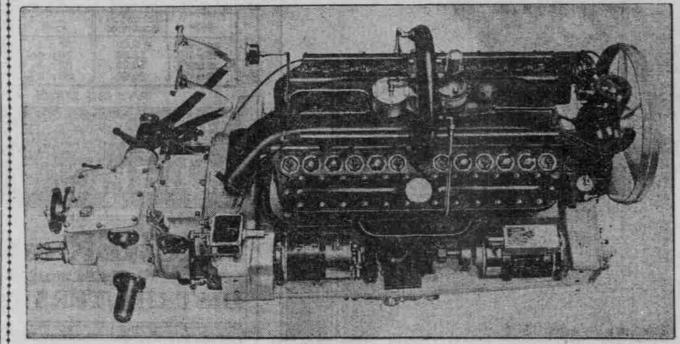
In addition to the eight main events a special attraction will be added in the form of a dual contest between one of the motorcycles and an Overland special automobile built and operated by C. Tranchell, the foreman of the by C. Tranchell, the foreman of the shop maintained in connection with R. G. Hunter & Co. Tranchell, who rode Billy Smith's Harmon in the recent auto races on the Portland track, says he has turned his Overland up to between 65 and 78 miles an hour in practice. Either Otto Walker or Roy Thompson, the Walla Walia champion, will oppose the Overland.

The track has been scraped and banked for today's races and the officials declare that it will be in good shape for all of the events. G. C. Marks has been chosen to referee and W. H. Royal to act as starter.

The Platt & Washburn Refining Company, of New York, refiners of Veedoi lubricating oils and greases sent word to the Portland distributers. Hallou & Wright, yesterday that they had donated a beautiful silver trophy to be contested for in today's races.

Huerta Becomes Motorist. Victriano Huerta, ex-Provisional President of Mexico, who has come to America to live, leasing a great coun-

NEW ENGINE IS DECLARED BY MAKERS TO MARK GREATEST ADVANCE IN MOTOR CAR DE-SIGN SINCE PASSING OF "ONE-LUNGER."



PACKARD "TWIN SIX" MOTOR, TAKEN FROM ABOVE TO SHOW VALVE AL-LEY BETWEEN THE TWO BLOCKS OF CYLINDERS,

Price Rumored at \$3000.

Several members of the Packard organization knew nothing of the great fact until they read it in The Oregonian advertisement. Even yet the Price of the Twin Six Packard is pretty much of a mystery. Current rumor has it that the new car will self for about \$3000, perhaps slightly more or less. But Mr. Riggs says he doesn't knew when the price will be and he is an honest man.

Now those who love to gossip are speculating on how soon a 16-cxlinder car will be put on the market. With some the roof is the limit in this game of cylinder multiplication, but the best heads in the motor car industry are ever will be marketed above the 12-cylinder car ever will be marketed above the 12-cylinder car ever built. During the hibernation period between 1939 and 1932 consideration with 12-cylinder car ever built. During the hibernation period between 1939 and 1932 consideration with 12-cylinder car ever built. During the hibernation period between 1939 and 1932 consideration with 12-cylinder car ever built. During the hibernation period between 1939 and 1932 consideration with 12-cylinder car ever built. During the hibernation period between 1939 and 1932 consideration with 12-cylinder car ever built. During the hibernation beam, announced in the Summer of 1913. This English-made car at once 1913. This English-made as a new 1915 of the car at once 1913. This English-made as a new 1915 of the car at once 1913. This English-made car at once 1915 of the car at onc

The 13-cylinder Sunbeam is a V-type previously announced polloy for the motor with four blocks of three cylinders each. Two sets of three cylingers each. Two sets of three cylingers are placed on either side, making practically two six-cylinder motors.

of 1915.
"If, by the end of that period, our engineers have been able to perfect any refinements, we will incorporate them in a new series of six-cylinder models. refinements, we will incorpore models. In a new series of six-cylinder models. "When we have found and developed something really better than our present 'six," our friends shall have the benefit of that development."

It is plain, from the above statement, that during the present year and at the announcement, December next, of models for the calendar year of 1916, the Plerce-Arrow Motor Car Company has no intention of building other than six-cylinder cars.

Harry Brandt, of Portland, the

template touring in automobiles up and down the Pacific Coast this Summer, The Oregenian will publish next Sunday a special touring edition containing in-formation on road conditions in formation on road conditions in this section of the country and data that will be of inestimable help to all who may "motor West." An effort will be made to treat the entire subject as comprehensively as possible. The edition will be illustrated profusely with views that will give the readers an impression of the roads and of the scenic attractions which are adjacent to Oregon highways.

gon highways.

The double fact of the Interna-The double ract of the interac-tional Exposition at San Fran-cisco and the state of affairs which prohibits touring in Europe is calculated to stimulate auto-mobile touring to the Pacific Coast this year and provides the necessity for such an edition as The Oregonian will publish next Sunday.

INTERNATIONAL MOTORCYCLE CHAMPION IS IN PORTLAND

FOR TODAY'S RACES.



Otto Walker, at Left, Shaking Hands With Leslie Parkhurst, After Each of Them Had Smashed the World's Record in the 300-Mile Road Race at Venice, Cal., Last April.

ing all former records by nearly eight miles an hour. Mr. Walker arrived in he has located his family and menage, he has purchased two Chalmers cars, both law York, who was a visitor at the properties of which have been equipped with Ajax for his wrecked machine to arrive from of maintaining his laurels. of which have been equipped with Ajax for his wrecked machine to arrive from tires. He has a large family and many dependents to tote around and the cars and tires will both be tested to their limits no doubt.

OVERLAND FOLK TO SEE GAME.

Company President Brings "Giants"

Or his wrecked machine to arrive from the company for his wrecked in the charge of road repairs at that point not only make no effort to help automobilists, but make fun of those who either become mired or, as often happens, have their cars wrecked. To avoid this bad attretch of road it is necessary to drive into Calofirnia via Klamath Falls or Lakeview.

and "Tigers" to Entertain. Overland day, June 21, when the New

York Giants and the Detroit Tigers journey to Toledo to give 11,000 employes of the Willys-Overland Company their annual paseball festival, will have considerably more than a little interest for the sporting world.

At his personal expense John N. Willys president of the Overland Company, will bring the two big league teams together for the first time in baseball history. Managers McGraw and Jennings have both promised that their teams will take the field with their full playing strength and that the Overland fans will see the two famous teams at their best.

Although the Overland employes are the most important guests on this occasion, there will be present, also, Ban Johnson and John Tener, presidents of the American and National League, the New York ployes of the Willys-Overland Company

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SUIT TO TEST LICENSE FEE Issuance of Tags at Old \$2 Rate Is Refused in Washington.

OLYMPIA, Wash, May 29.—(Special.)
—Formal demand has been made upon Secretary of State I. M. Howell by a firm of Tacoma attorneys for the issuance of automobile licenses at the old rate of \$2 a year. Assistant Secretary of State Frank Hinkie, in charge of CAR PRINK TERES 6200 MILES

rate of \$2 a year. Assistant Secretary of State Frank Hinkle, in charge of the office during the absence in the East of his chief, has written a letter declining to issue the licenses, and as a result a test suit seems likely that will determine whether the increased license ees can be charged on this year's busi-

All current motor vehicle licenses expire at midnight May 31. The new motor code, which does not go into effect until June 19, provides that no licenses need he issued for the intervening nine-day period, but the Tacoma lawyers contend that since the new law is in Itself not in effect its provisions are not binding. They therefore insist that Secretary Howell issue annual licenses June 1 at the old \$2 rate.

The new license rates for pleasure vehicles are \$3, \$5 or \$7.50, depending upon horsepower. Automobiles for hire pay a flat 50 cents per horsepower, while auto trucks pay fees based upon capacity.

AUTO CLUB NOTES

Tire manufacturers' theory that, among other things, continuous pulling power from the motor, and ability to start a car without a jerk, contribute to longer tire wear, seems to have been proved by a Cadillac eight demonstrator in Los Angeles, Cal.

The fact that this car has been run \$200 miles on the same set of tires, without a single change, puncture or blowout is regarded by the Los Angeles tire men as one of the greatest demonstrations of many seasons.

The tires show but little evidence of their long service; and if their appearance is to be relied upon they are good for several thousand miles over and above the \$200 miles of service they already have contributed.

This showing is remarkable considering that this Cadillac is a seven-passenger model, and has been used almost exclusively for demonstrating. Almost without exception the province of the provinc

RECENTLY cards were sent out to the members of the Automobile Club inviting them to be present at the an nual banquet on Saturday, June 5. This year's banquet will be held at the clubyear's banquet will be held at the clubhouse, and for this reason it was requested that members should send their reservations at once as the seating capacity is limited. Seats will be aliotted in the order that requests for reservations are received.

A joint meeting of the house and entertainment committee was held yesterday to discuss plans for the entertainment. The one feature that all insisted on having was a good orchestra, for as soon as dinner is over the tables will be taken away and the balance of the evening given ever to dancing.

On account of recent rains most of the highways outside of Multnomah County are in bad condition for pleasure driving. Especially is this particularly true in regard to the road to Seattle.

If one must take an auto to the

Seattle.

If one must take an auto to the Sound country he should by all means ship, at least to Kelso. This will eliminate the worst parts, but even then the read between Kelso and Chehalis is not read between Kelso and Chehalis is not

G. H. McCutcheon, Mgr.

Fourteenth and Davis

TRIP IN YOSEMITE IS MADE

Studebaker, First Car Entering This

Spring, Meets Heavy Snows.

CAR RUNS TIRES 6200 MILES Manufacturers Cite Case of Longer Wear When Jerk Is Lacking.

Tire manufacturers' theory

Make a Sleeping

Car of Your Auto

For Camping, Touring or Fish-

ing. Price, complete, from

BUICK TRUCK

CAPACITY 34 TON

BUICK TRUCK IN EUGENE, OR., FIRE DEPT.

Built for business purposes. Inexpensive to operate. Equipped with the

Buick Valve-in-Head Motor, which insures fuel economy, more power and

greater flexibility. This Buick truck is electrically lighted and correct in principle, embodying all the time-tried and proven Buick engineering successes.

Buick trucks are exactly suited for merchants and manufacturers, also for municipal, state and public uses. Solve your transportation problems with a Buick Truck-it costs less to maintain than a team and will do four times as much work.

Howard Automobile Co.

Boards, Portland\$1375 Chassis (Complete Car, Less Body, Seat and Cushions), Portland\$1275

PRICE—Including Express Body with Wing

good, particularly from Castle Rock to several miles past Toledo.

As for the drive to Portland from California the Auto Club advises delaying this trip for a while. It is possible to drive down the highway at present to California, but conditions are not fayorable for a pleasant journey.

From the town of Dunsmuir, Cal., the road has been washed out most of the way to Redding. Charles Wilson, of New York, who was a visitor at the club's office this week and is waiting for his wrecked machine to arrive from

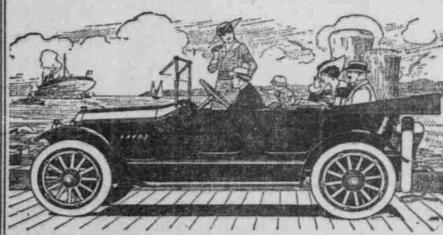
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Eight-Cylinder



F. O. B. Detroit

The world's first popularpriced Eight and the one big outstanding feature of the 1916 motor season



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For a few weeks we will take your used car at a reasonable price, applying same on a New King

Bring your used car to us and we will appraise it for you, giving you a most liberal allowance.

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Gerlinger Motor Car Company

WASHINGTON ST., CORNER KING ST.

Country Agents

Phone, Wire or Write Us at Our Expense for Our Startling Agency Proposition

WE WILL START YOU IN BUSINESS