

AUTO ENGINE USED IN RAIL TRACTOR

Pierce-Arrow Power Employed in Successful Experiment by Pennsylvania Railroad.

FOR SERVICE IN BALTIMORE

The Pennsylvania railroad of Baltimore, Md., is utilizing a Pierce-Arrow sixty-six horsepower engine as a motive power plant in its new tractor, which is causing considerable interest in railroad circles.

On account of the Baltimore city ordinance which prohibits the use of steam locomotives through the streets on the "block route," the movement of freight cars over the so-called "block route" has been formerly accomplished by eight-horse teams. The Pennsylvania railroad has been the target of considerable complaint from business men because of the persistent use of out-of-date and the slow horse method of hauling freight cars. For this reason they were anxious to see the "block route" in Baltimore covered by an up-to-date and efficient motor tractor.

The electric tractor was designed and built especially for use in Baltimore by the Pennsylvania Railroad company in their shops in Altoona, Pa. Its characteristics are essentially adapted for service in Baltimore as regards elimination of noise and smoke, and providing a safer, more slightly, more efficient and self-contained form of motor power. No expense has been spared to obtain the most efficient and quiet running auxiliary machinery, motor and gearing to be had. As example the following may be mentioned:

Pleasure Car Engine Used.

A Pierce-Arrow sixty-six horsepower automobile engine is the essential prime mover. Cheaper but noisier truck engines were available, but the best pleasure car engine as used in \$6,000 cars was insisted upon in the ironclad instructions which T. V. Buckwater, the designer, handed to the railroad engineers when designing the tractor. The standard sixty-six Pierce-Arrow engine is used, comprising the same self-starter, electric lighting plant control board as used on pleasure cars. A General Electric generator is directly connected to the Pierce-Arrow engine which furnishes power direct to the two electric motors on the two axles for the four-wheel drive. The engine runs at constant speed of 850 revolutions per minute; whereas, the same engine is sometimes operated at twice that speed in a touring car.

The tractor runs with equal facility in either direction; in fact, both ends are front ends. Freight cars can be pushed or pulled. Thus, if a car is placed a few feet too far in spotting, it can instantly be placed as wanted without uncoupling. The tractor will handle six loaded freight cars on level track and two loaded cars on Monument Hill in Baltimore, which is a considerable grade. The weight of this tractor complete is about 37,000 pounds and its cost approximately \$15,000.

Goodyear Company Will Re-Install the Big Window Display

Such an unusual reception was accorded the Goodyear Tire and Rubber company's Brazilian jungle crude rubber window display at the company's branches that the window has been ordered re-installed for an additional two weeks.

Seldom has a window display of any kind attracted as much interest as this one. In many cities school teachers took their pupils to view it, as an interesting and practical object lesson in geography. Dealers in tires and kindred products, and even merchants in lines foreign to the automobile and tire business, requested that they be permitted to establish the exhibit in their own windows "when Goodyear was through with it," offering to cover all risks by special insurance, etc.

As a result of all this the exhibit has been ordered restored at Goodyear branches for another period.

Studebaker Runs Set High Records

The Grand Prix has its thrills, but devoid of certain features, no more than the recent nation-wide 100,000-mile reliability run of Studebaker dealers. There were 115 entries filed for the event, each dealer taking a 1916 Studebaker out of his stock to cover at least 250 miles per day for four consecutive days. It was a severe but convincing test of quality of steels and workmanship that make for durability, power and speed. None of the cars were given any preparation for the runs beyond oiling and greasing, filling radiators and gasoline tanks. The test was intended as a demonstration of the ability of the Studebaker cars for meeting average conditions, as they might be found by an automobile owner. Heavy rains, with snow in portions of the west, established conditions, however, that were somewhat out of the usual, but each car responded splendidly to every requirement, setting a high mark for automobile efficiency.

It was one of most unique tests ever originated by an automobile manufacturer, and that it was interesting to the general public, even beyond the confines of the motoring world, was evidenced by the crowds which turned out at points along the scheduled routes.

Why It is Called the "Barefoot" Tire

"We have had many inquiries," said W. S. Rutherford, branch manager of the B. F. Goodrich company, "as to why the new Goodrich black tread safety tire has been called the 'barefoot' tire."

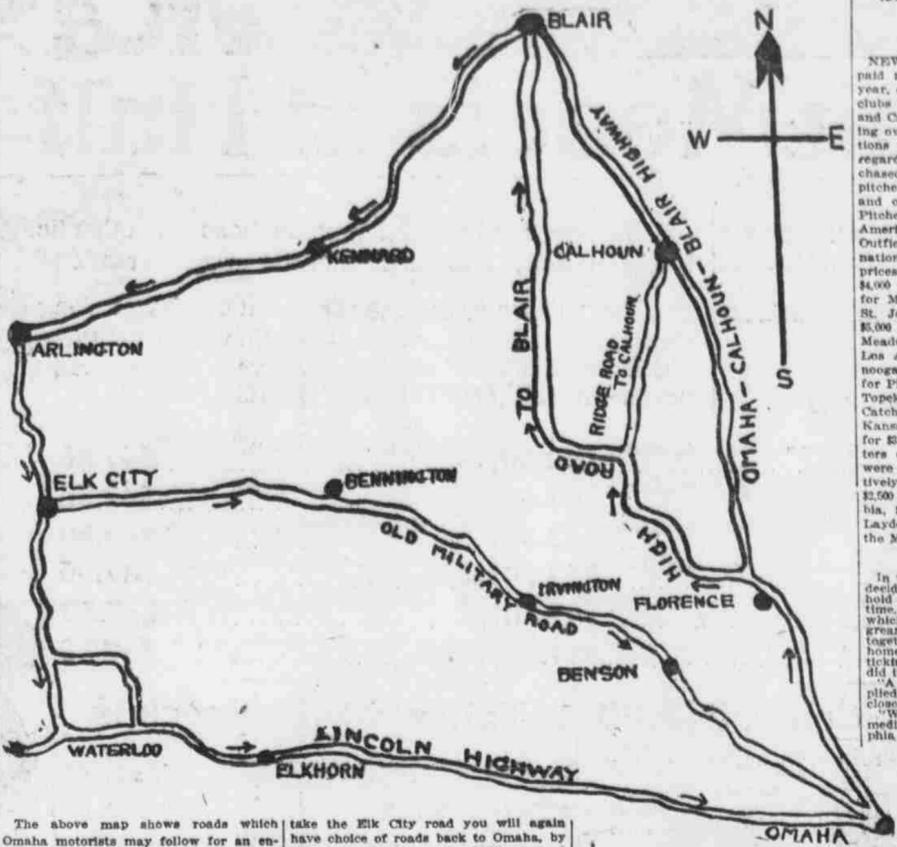
"It is made of 'Hyper rubber,' an exclusive compound recently developed out of the forty-four years' Goodrich experience in the working of rubber."

"Because, that 'Hyper rubber' clings to the pavement, for the same reason that the sole of your bare foot clings to slippery surfaces."

"When the clutch of your car is thrown in and the wheels begin to turn, with first sudden tug on tires, the 'Hyper rubber' sole of the Goodrich tire stretches between the outer surface contacting with the ground and its inner surface which is cemented to the cotton fabric."

Night Cough Relieved. Dr. Bell's Pine-Tar-Tonic cures your cough, soothes the lungs and invites sleep. Only the All-Druggists.—Advertisement.

Enjoyable Week-End Trip for Omaha Motorists



The above map shows roads which Omaha motorists may follow for an enjoyable week-end automobile trip. It is plentifully marked as to directions and proper highways to travel by Omaha Auto club signs.

Take Eighteenth street to Lake; one block west to boulevard and then south to Florence. About one mile north and west, at foot of long hill, pick up mark, "High Road to Blair." The high road continues west at this fork and has been marked the entire route by the club sign car. You will find this ridge road one of the prettiest drives around Omaha. At Blair you take the marked road to Kennard, and on to Arlington. From Arlington, you have choice of routes to Elk City, or you can prolong the trip by going to Fremont and then back over the Lincoln highway. If you

take the Elk City road you will again have choice of roads back to Omaha, by either coming in on the Military road past Bennington and through Irvington, or you can turn south to the Lincoln highway at Elkhorn. Also at Elkhorn you can make a nice loop by running south to Gretna, and then either in over the Omaha-Lincoln-Denver, or you can continue still further south to the state fisheries and then up through Springfield, Richfield, Papillion and into South Omaha.

The route via Blair, Arlington, Elk City, Elkhorn and back over the Lincoln highway is about sixty-eight miles. To Blair, Arlington, Elk City, Elkhorn, Gretna, and Millard about eighty-six miles. Via Blair, Arlington, Elk City, Elkhorn, Gretna, state fisheries, Springfield, Richfield, Papillion and South Omaha, will be about 100 miles.

WILLYS-OVERLAND IN CANADA FIELD

New Company with Capital of Six Million Dollars Organized, with Offices in Toronto.

TOLEDO MEN ON THE BOARD

A new Canadian company, known as the Willys-Overland, Limited, has just been organized in Canada. It will have a capital of \$6,000,000, with head offices in Toronto.

Mr. John N. Willys, head of the Willys-Overland company of Toledo, will be president of the Willys-Overland, Limited. T. A. Russell, at present vice president of the Russell Motor Car company of Canada, will be vice president.

Five of the directors of the Willys-Overland company of Toledo will be directors of the new company. These five are J. N. Willys, H. T. Dunn, Walter Stewart, Harry Shepler, C. A. Earl of Toledo, T. A. Russell and Lloyd Harris of Toronto and two of the other Canadian stockholders will also be on the board.

This new company will take over the complete automobile business of the Russell Motor Car company and all of the business in Canada of the Willys-Overland company.

Although the Canadian company will be independent of the parent company and will be run and conducted entirely independent as a Canadian corporation,

it will have the advantage of the advice and engineering skill of the Willys-Overland company organization.

Make Cars in Canada.

The plan is to undertake in Canada the actual manufacture of both Overland and Willys-Knight automobiles. For this purpose the plant of the Russell Motor Car company of Toronto has already been acquired, and this will quickly be enlarged to permit quantity production.

Adequate arrangements will be made for distribution throughout the dominion, and particular attention will be given to the provision of service facilities for Overland and Willys-Knight owners. The plans in this direction call for facilities which will surpass anything previously undertaken in Canada. In fact, the organization will, in its facilities and equipment, probably equal anything in the states.

The policy to go into manufacture and assembly in Canada will give employment to a large number of people.

Brick Owens Will umpire Next Year In American Loop

NEW YORK, Nov. 20.—Clarence "Brick" Owens, one of the best umpires base ball has developed, will be a member of the American league staff next season. Owens was with the American Association for the last two seasons, and prior to that held a position on the National league staff, where he gave satisfaction, but in a row over the salary question resigned and returned to the American association.

Yanks Spend Over Sixty Thousand on Players This Year

NEW YORK, Nov. 20.—The Yankees paid nearly \$60,000 for new players this year, exceeding all the other major league clubs in this respect. Colonel Ruppert and Captain Huston had four scouts looking over the minor leagues, with instructions to buy the best material available regardless of cost. The Yankees purchased twenty men, including thirteen pitchers, three catchers, four outfielders and one infielder. They paid \$9,500 for Pitcher Dan Tipton of the Indianapolis American association club and \$5,000 for Outfielder G.H. Healy of the Buffalo Internationals, which were the top prices. The prices paid for the other pitchers were \$4,000 for McGriffe of Des Moines, \$3,500 for Marks of Waco, \$2,500 for Vance of St. Joseph, \$1,500 for Brady of Dallas, \$5,000 for Russell of Richmond, \$1,500 for Meadows of Richmond, \$2,500 for Cove of Los Angeles, \$1,500 for Ross of Chattanooga, \$1,500 for Blodgett of Omaha, \$2,500 for Percy of Vernon, \$1,500 for Brown of Topeka and \$750 for Shooker of Ottawa. Catcher Alexander was secured from the Kansas City American association club for \$2,500, while the other backstops, Walters of Waco and Krueger of Omaha, were obtained for \$2,500 and \$2,000, respectively. The New Orleans club received \$2,500 for Outfielder Hendry, the Columbia, S. C., club got \$1,000 for Outfielder Layden, while \$2,000 was handed over to the Mobile club for Outfielder Miller.

Linenut Cures Clock.
In the absence of his wife, F. C. Perry decided to start, if possible, the household clock, which had not run for a long time. He found a bottle, the contents of which looked like oil, and after liberally greasing the clock works, he put them together. When Mrs. Perry returned home and heard the long-silent clock ticking, she asked her husband how he did it, pointing to the clock on the shelf. "A little Yankee genius and oil," replied Perry, as he escorted his wife to a closet and showed a bottle on the shelf. "Why," she exclaimed, "Perry, that medicine is for rheumatism."—Philadelphia Record.

A REASON FOR THANKSGIVING



HYATT QUIET BEARINGS IN YOUR CAR

—REO—

The Fifth
The Incomparable
Four
\$875

The Six
The Six of Sixty
Superiorities
\$1250

Reo Automobiles are in greater demand each day of the year

—AND WHY—

Because every dollar invested represents a conservative investment and brings back satisfaction

Brief Specifications

REO THE FIFTH.	REO THE SIXTH.
Wheel Base—115 inches. Motor—Vertical, four-cylinder, cast in pairs, modified L type with integral head, with inlet valve in head. Valves mechanically operated and protected. Exhaust valve seated directly in the cylinder. Barrel type crank case with three crank shaft bearings. Helical timing gears running in oil.	Wheel Base—126 inches. Motor—Vertical, six-cylinder, cast in three modified L type with integral head, with inlet valve in head. Valves mechanically operated and protected. Exhaust valve seated directly in the cylinder. Barrel type aluminum crank case with three crank shaft bearings. Dimensions of end bearing 1 7/8-in. of center bearing 2-in. Helical timing gear running in oil. Hardened and ground cam shaft with cams integral.
Cylinder—4 1/2 x 4 1/2. Tires—34x4 1/2. Front and Rear; non-skid on rear.	Cylinder—3-9-16x5-1-8. Tires—34x4 1/2. Front and Rear; non-skid on rear.

Jones-Opper Co.
OMAHA, NEB.
Distributors Eastern and Northern Nebraska and Western Iowa.

A. H. Jones
HASTINGS, NEB.
Distributor Southern and Western Nebraska.

SAXON SIX

A big touring car for five people



Plenty of strength—not a needless pound

Athletes train down until they are all muscle. They eliminate the handicap of needless weight.

Saxon "Six" is an athlete among motor cars. It exemplifies the modern idea of light weight. It doesn't carry a needless pound—but yet it has all the weight that is necessary for strength and safety.

Light design and right materials make Saxon "Six" the sturdy light weight car it is. Nickel steel in axles and steering gear, vanadium steel in springs and high grade metals everywhere replace the common materials—with an increase in strength and a saving in weight. Light weight in the car means economy in tires, in gasoline, in repair costs. We urge you to ride in this light weight powerful "Six".

Six-cylinder high-speed motor; 36-35 h. p.; yacht-line body; two unit electric starting and lighting; demountable rims; Timken axles; vanadium steel cantilever springs; 112-in. wheelbase; 52x3 1/2-in. tires, non-skid in rear.

"Four" Roadster: \$395	"Six" Touring Car: \$785
With detachable top: 455	With detachable top: 835
Delivery car: 595	"Six" Roadster: 795

Noyes-Killy Motor Co.

Distributors.
2066 Farnam St. Phone Douglas 3646.
We Have a Very Attractive Dealer's Proposition.

"NO APPETITE" DID YOU SAY

Then your stomach and digestive organs must indeed be in a bad condition, but don't be alarmed.

Loss of appetite is always the first signal of inward weakness, of a lazy liver, clogged bowels. It should be given immediate attention so as to ward off a more serious illness.

The timely use of

HOSTETTER'S Stomach Bitters

has proven very beneficial as an appetite restorer, aid to digestion and preventive of indigestion, heartburn, nausea, biliousness, constipation and malaria, fever and ague.

Kelly Springfield

HAND MADE TIRES

"Made to Make Good"

Have you investigated the Kelly-SPRINGFIELD Tire? Do you know its merits? Do you know that the Kelly-Springfield Tires will give you more mileage per dollar than any other tire made? Call at our salesroom and become acquainted with the Kelly-Springfield Tire and the Kelly-Springfield Service.

When adjustments are necessary they will be made on the following basis:

Plain Tread, 5,000 Miles; Kant-Slip Tread, 6,000 Miles.
In Ford sizes, Plain Tread, 6,000 Miles; Kant-Slip Tread, 7,500 Miles.

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