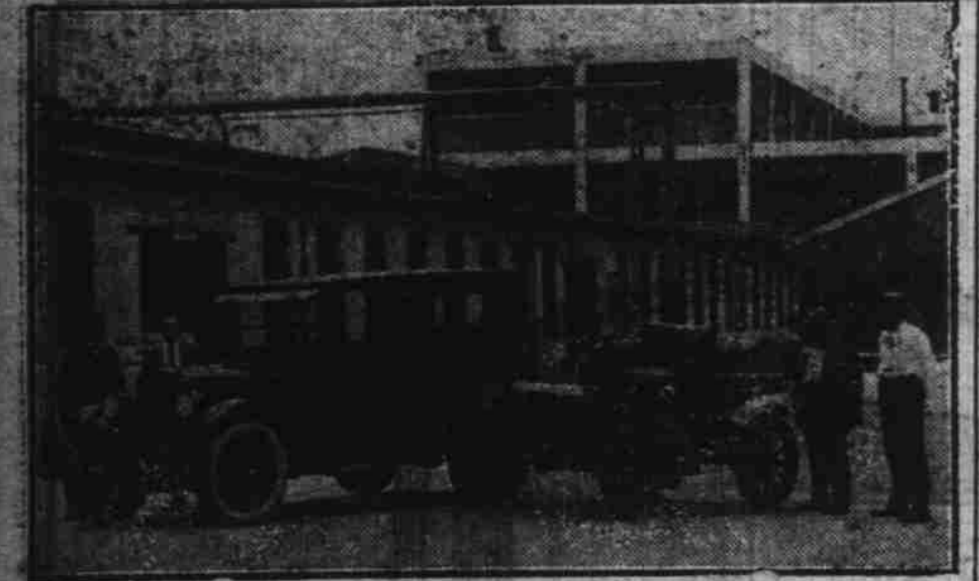


## Olds Makes First Run Across Country in 1905

This past week the automobile industry celebrated its 27th anniversary and started its 28th year of production when, on August 21st, Olds Motor Works, the first company to produce automobiles commercially, had completed 27

years of successful manufacture of motor cars. A review of the history of the Olds Motor Works gives it ample right to claim that it represents the development of the industry, and that it has contributed more to the automotive world than any other concern.



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The Olds Motor Works, founded August 21, 1897, was the first automobile company established in Michigan, now the center of the industry. The first building de-

voted to the manufacture of motor vehicles in Michigan was started in Lansing in 1898. The original building still stands at the nucleus about which the vast Oldsmobile plants are grouped today. Away back in 1895 and '96,

with himself as principle stockholder, and at the first meeting of the board of directors, Olds was empowered to "build one carriage in as nearly a perfect manner as possible," this quotation being taken from the minutes verbatim.

This first complete vehicle, finished in 1898, is now permanently housed in the Smithsonian Institution at Washington, D. C.

In 1903 the Olds Pirate, a specially built racer, broke all existing speed records by doing five miles in six and a half minutes at Daytona Beach, Fla. In 1905 two of these little one cylinder "Merry Oldsmobiles" raced from New York to Portland, Ore., making the first country motor run. In the latter part of this same year, the Olds Motor Works introduced the first two cylinder engine. The following year it exhibited a four cylinder model at the New York show and the following year introduced a six.

A. B. C. Hardy, one of the oldest, if not the oldest, man in point of experience in the vehicle and automotive industry, is president and general manager of the Olds Motor Works. He started in the vehicle business in 1892 when he became superintendent and secretary of the Wolverine Carriage company. In 1900 he spent a year in Europe studying the developments in the automobile industry abroad; and in 1902 returned to Michigan and organized the Flint Automobile company. Since 1900, or over a span of 24 years, he has been actively engaged in executive positions in that industry, most of the time with the General Motors Corp., of which he is vice-president.

## HELIUM REPURIFIED FOR GIANT AIRSHIPS BY GOVT. SCIENTISTS

WASHINGTON, Aug. 23.—The coming of the German-made dirigible ZR-3 to the United States this fall accentuates the value of that recent acquisition to science, non-explosive helium gas, of which this country possesses a commercial monopoly. The ZR-3, which is to become American property as a reparations payment, will be flown to America using hydrogen, but upon arrival it will be inflated with helium.

So important is deemed the American supply of helium, that a measure is pending in congress to insure its conservation and to prohibit its exportation.

The bureau of mines, to which branch of the department of the interior was intrusted the search for helium and the working out of processes for its recovery, has just installed a new extraction plant at Fort Worth, Texas. There in conjunction with the commercial development of the product, the government will carry forward the new method, which is to be turned over to the navy to operate later, when demonstrated fully successful.

A repurification plant has recently been installed at Lakehurst, N. J., home of the navy air giant Shenandoah. Air seeps in through the huge envelope of the Shenandoah, and when the helium purity is lowered to 85 per cent, through admixture of the air, the mixture is taken out and put into a refrigeration plant and again separated. Helium 98 per cent pure is recovered, with only about one per cent loss.

This new repurification plant

cost about \$100,000, but it has already demonstrated a saving of \$180,000, each time the gas is taken out and repurified. The cost of filling the Shenandoah with unused helium is estimated at \$200,000. The repurification system enables helium formerly used to be restored to its pristine purity and pumped into the Shenandoah for \$30,000.

Sources of supply of helium are in Texas, Oklahoma and Kansas, three states in which it was originally found, and more recently in Utah and Montana, according to Dr. C. S. Lind, of the bureau of mines. The conditions which regulate its retention are not known. Unless helium is found to exist in quantities of one-half of one per cent, mixed with other gases, commercial development is not considered worth while. Two per cent of helium in a well is the maximum.

Helium is "perfectly inert chemically," says Dr. Lind. "It won't burn or explode, and it might even put out a gasoline fire. While hydrogen can be manufactured anywhere in the world and is universally obtainable, the safety of helium makes it the more desirable."

Helium was first discovered in the sun in 1868, Dr. Lind explains. From the Greek word helios, meaning the sun, it gets its name. It was discovered on earth in 1895 and in the United States in natural gases in 1907. The bureau of mines started helium work in 1917 as a war proposition.

## People of Chinese Province Urged to Thrift and Sobriety

TSINGTAO, China, Aug. 23.—Governor Gao Enhung has caused it to be announced that he views with disfavor the custom of giving elaborate and expensive banquets, including such delicacies as shark's fins and birds' nest soup. He regards any dinner costing more than \$5 a plate as needlessly extravagant.

The governor seeks to set the fashion by wearing simple clothing of plain texture, refraining from appearing at public functions in silk and satin gowns. He urges the people to follow his example.

Recently the managing director of the Kiaochow-Tsinan railway issued to his employes a strict order against drinking and gambling and the use of drugs. He pointed out the bad effects of such indulgences, and declared he intended to make his men temperate and free from these common vices of the Chinese.

Most of the good conversation-ists would be ruined, however, if it wasn't for the pronoun, "I."

## Chinese Ready to Pay Well To Enter Philippine Islands

(By Mail) MANILA, July 25.—The smuggling of Chinese from British North Borneo into the Philippine Islands has increased largely in recent months and has become a profitable traffic, according to officials of the custom service.

Within the last week nearly 50 Chinese have been arrested in Zamboanga on charges of being in the country unlawfully and will be deported either to Borneo or Hongkong. They are brought from the coast of Borneo in native boats and landed on the various islands of the Sulu group only a few miles from the British possession. After reaching Philippine territory they easily work their way into the more populous sections, and many of them are never caught.

The customs authorities have ordered all available patrol boats to southern waters for the purpose of beginning a vigorous campaign against this traffic in Chinese as well as against the opium traffic.

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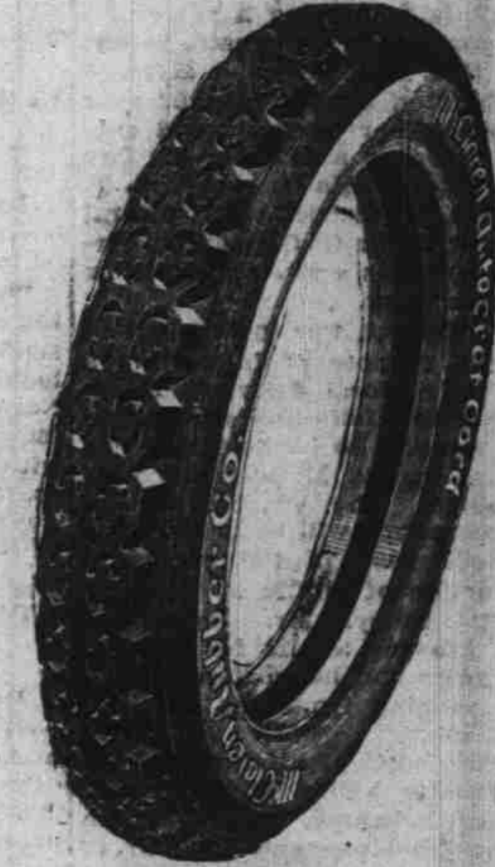
"Willard Charged Bone-Dry Batteries 'Say it with service,'" says Little August.

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# Willys-Knight Announces A New Invention! that Eliminates Vibration

Another triumph for Willys-Knight is listed in the announcement of the Lanchester Balancer, a new British invention, as standard equipment. It removes the annoyance of engine vibration.

This adds an ultimate perfection to the recognized excellencies of Willys-Knight—it adds perfection of riding ease to the grace, the power, the performance, the durability that have earned prestige for Willys-Knight.

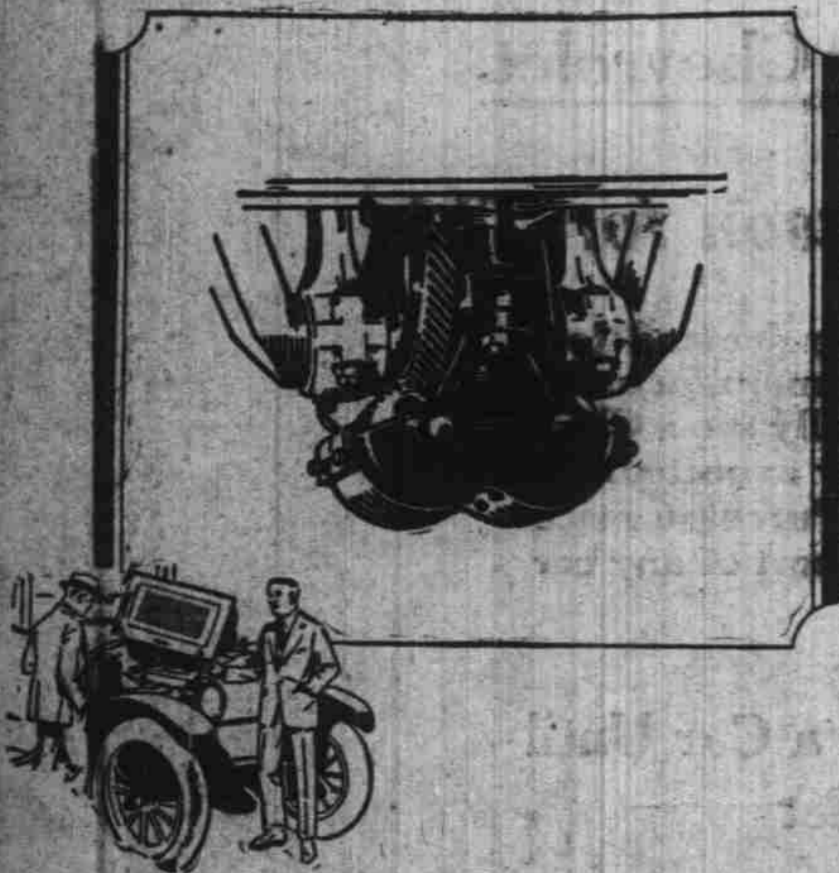
Car owners have desired this improvement since the first automobile was built. The best technical talent of the industry has unceasingly sought it. It has presented a problem seemingly insurmountable.

Willys-Knight now gives America the solution of that problem. It makes the impossibility of yesterday the accomplishment of today. It reaches the apex of modern motorcraft in—the vibrationless engine.

It is the same engine—the same quiet, superb sleeve-valve motor that improves with use and develops greater power under grinding operation. But now it endows Willys-Knight with a velvet smoothness of operation never before imagined by the enthusiasts who own and drive the car.

The Lanchester Balancer marks a wide forward stride in automotive engineering. Its effectiveness has astonished car owners and engineers alike. It is the distinctive development of the year in motor circles.

The Willys-Knight, with the Lanchester Balancer installed, is ready for inspection and demonstration. Try it out—at all speeds. Your experience will be eloquently convincing.



# WILLYS-KNIGHT

Vick Brothers

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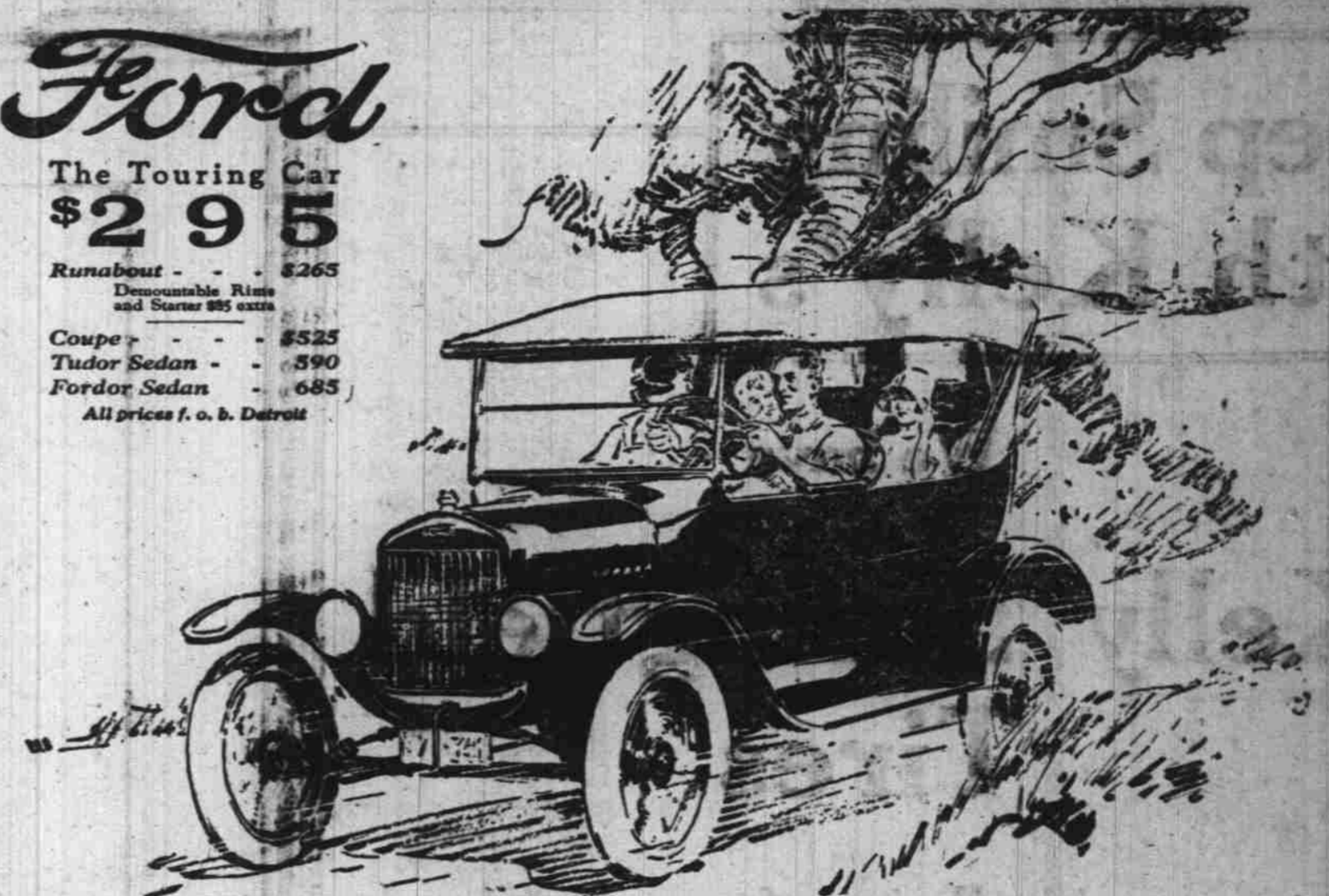
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Demountable Rims and Starter \$25 extra

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Fordor Sedan - - - \$685

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