

THE MOTORISTS' PAGE

CROPS PRAYER IS OBSERVED IN HOLLAND, MICH.

HOLLAND, Mich., March 13. (AP) — Business was slowed down here today in observance of the "day of prayer for crops," an annual ceremony here since pioneer days.

Schools were closed, most business houses and offices closed and work in some factories was suspended. Services were held in the churches.

FAST PACE SET IN INVENTIONS BY NEW AUTOS

Allied Industries Must Keep Abreast of Times in United States.

Allied industries to the automobile manufacturers have had to keep in step with progress constantly throughout the whole period of motor car development. There have been invariable calls upon the accessory field following each major change in motor car design.

Motorists stood up and cheered the self starter, electric lights and the electric horn, back in the days when the "stem winder," acetylene lamps, crank and the squash horn were in the vogue. Before these changes a big capacity storage battery was not necessary, but when the automobile engineers made these improvements they found they had to appeal to the battery manufacturers for assistance.

Even more recent is the change from high-pressure cord tires to balloons. These new big tires offered more comfortable riding but the snubber makers were needed to stop the swaying and bounding that balloon tires had developed.

Another case is that of the counterbalanced crankshaft for smoother motor operation. It was soon found that better balancing could be obtained, plus greater motor power, if lightweight pistons were used. Today numerous firms are manufacturing these pistons as a result.

Four wheel brakes gave the axle makers new job.

The same example occurs in the case of the newest development—high-compression motors. The Whippet, Chevrolet, Oakland, Pontiac, Chrysler, Hudson, Rapmobile, Cadillac, De Soto, La Salle, Oldsmobile, Franklin, Moon and many other cars have raised their compression ratio—markedly.

In some of the new high-compression motors there is as little as one thirty-second of an inch clearance between the piston and the cylinder head. This time the oil refiners had to answer, for a low-carbon content oil is imperative. Carbon in large quantities cannot collect in these new motors without causing serious injury.

Thousands of visitors who have gone through the recently opened plant of the Oakland Motor Car company, at Pontiac, Michigan, have received an accurate conception of the meaning of "precision manufacturing"—a little-understood phrase that for a number of years has been identified with the automobile industry.

In this plant, where nearly all buildings are completely new within the past two years, and where equipment is of the finest "precision" type yet devised, light rays and diamond recoil tests, and many other methods of measuring accuracy, combine to hold a number of manufacturing operations accurate to within one ten-thousandths of an inch, the

equivalent of less than seven inches in a mile.

To achieve this exactness, an army of upwards of 500 inspectors check every operation in the Oakland and Pontiac motor building and car assembly lines, using for this work gauges far more exacting than the human eye. Everyone of these gauges periodically is subjected to the inspection of the Johansson master block gauge which correctly measures limits up to two-millionths of an inch.

Inspection of small parts received at the unloading docks is done through a device of such accuracy that the recoil of a tiny diamond, suspended from a fine watch spring, correctly notes the slightest deviation in the hardness of the metal tested.

Very few parrots breed in captivity in the United States, but some live for a number of years.

Mr. and Mrs. Lester Hill of Klamath Falls were callers at the home of Mrs. Della Nichols on Thursday evening.

Paul H. Collins and P. Kingery went to Ashland on Saturday, returning home Sunday.

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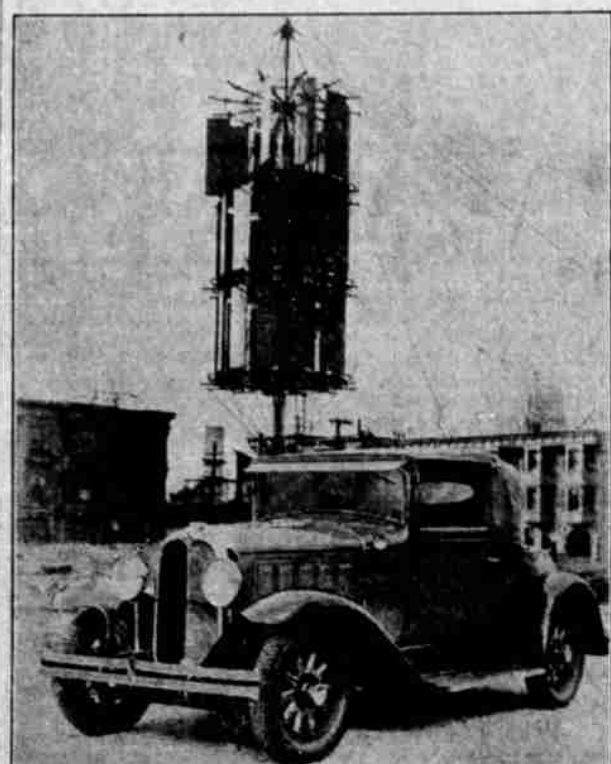
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A New Type Windmill



Mechanical genius has devised a strange wind-power machine which is erected at the peak of Rincon Hill in San Francisco. The apparatus is shown here with an Oakland All-American convertible coupe in the foreground. The wind machine is designed with the expectation that it will gather and transmit the wind-power to a central vertical shaft which in turn will operate whatever machinery it should be used for.

INSPECTION OF OAKLAND RIGID

Precision and Accuracy Main Requirement in Construction.

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WESTERN AUTO EMPLOYEES ARE GIVEN PRAISE

Growth of Company in 13 Years is Described by Manager.

By Rex Hatt
Local Manager, Western Auto Supply Co.

Thirteen years ago, this March, the Western Auto Supply company opened its first store on the Pacific coast. Today, 167 stores west of the Rocky mountains are operated by the company.

The first store was opened by George Pepperdine, founder and present head of the company. Mr. Pepperdine had had some previous experience in the automobile accessory business in a middle western state and came to the coast with a thorough realization of the value of advertising and the friends that could be made by selling standard quality merchandise at as low a cost as possible. The business was established and built up on the foundation of absolute honesty, satisfaction and 'Customer is Always Right' policy.

From the modest start with one store in 1916, the company grew to an organization of twenty stores in 1920 and the business increased to an annual worth of about \$400,000. The business was then incorporated and additional capital was secured through the sale of stock, a large portion of which was purchased by the employees. Stores were then installed in all cities and towns of any size in the west and grew so rapidly that the 167th store was recently opened.

While the growth of the Western Auto Supply company is actually the growth of an idea plus the determination on the part of one man to see his idea through, Mr. Pepperdine says that the success of the company has been made possible through the efforts of Western Auto employees.

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Jewels Aid in Construction of Nash Auto

KENOSHA, Wis., March 13.—Hundreds of precious jewels, in addition to the diamond tools employed in steel cutting and boring, enter into the precision manufacturing processes demanded by G. W. Nash in his world famed Nash Motors plants.

They play an important part in the close inspection operations where dimensions to within one-millionth of an inch—the closest and most accurate measurement known—are used in producing the "400" series of Nash cars.

Light waves, too, utilized in the special master gauge which forms the absolute in Nash precision, are employed in this interesting measurement, it was disclosed by engineers today. The master gauge is used to test and regulate more than three hundred gauges used in the plants and is one of the most interesting instruments developed in modern motor car manufacturing. It regulates the working gauges which, in turn, have jewel bearings—a super-accuracy feature said to be an exclusive Nash safeguard.

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NEWS NOTES OF IVAN DISTRICT

(Special to The Herald)
(Mary Gay, correspondent)

IVAN, March 13. — Roy Levens has arrived at Worden from near Portland and will attend school here. He is the nephew of Mrs. Della Nichols and will live with his aunt.

A party was given on Friday night by Misses Christina and Mary Gay. An enjoyable evening of games was spent. Refreshments were served at the close of the social hours.

Emmitt Pitcock and brother, Herbert, residents of Calif., have received word of the passing of their father, Emmitt has left for Ohio to attend the funeral services.

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The Thrill of Two High Speeds



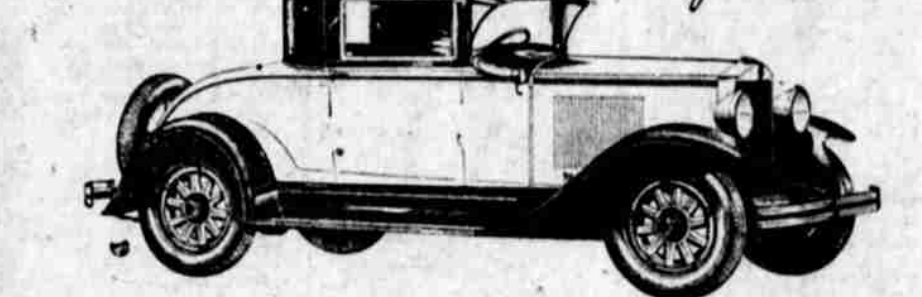
[[Four Speeds Forward]]

Standard Gear Shift

The new Graham-Paige sixes and eights are distinguished by the thrilling performance of two high speeds, standard gear shift. With the time-proved, Graham-Paige four speed transmission—fourth, used most of the time, gives a new smoothness and swiftness; third, a quiet internal gear, provides rapid acceleration in traffic and up steep hills. The gear shift is standard—you start in second; first, in reserve, is instantly available but seldom used. You are invited to enjoy a demonstration.

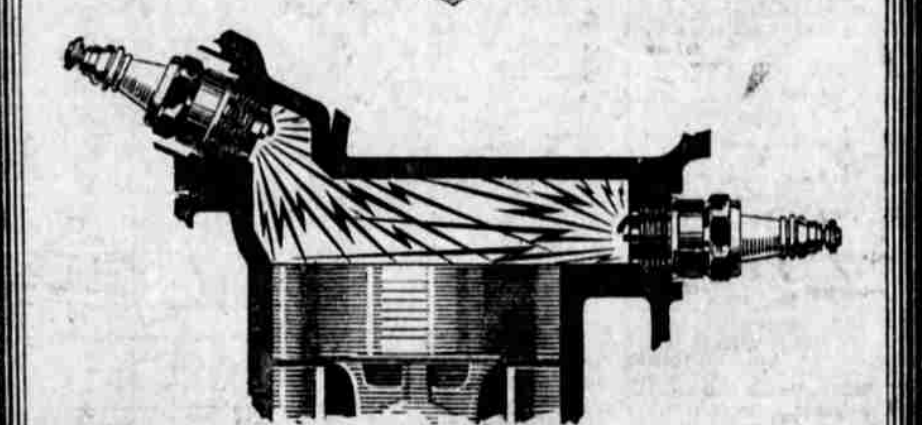
Five chassis—sixes and eights—prices ranging from \$885 to \$2495. Car illustrated is Model 615 Coupe—six cylinder, 70 horsepower, 115" wheelbase, \$1195 (special equipment extra). All prices at factory.

Joseph B. Graham
Robert B. Graham
Ray A. Graham



Arcade Garage
Harold H. Wires
221 South 11th Street Phone 1636
GRAHAM-PAIGE

FROM NINTH TO FOURTH PLACE IN SIX MONTHS!



What TWIN IGNITION Does

THE New Nash Twin-Ignition motor has two big aircraft spark plugs for each cylinder, instead of the ordinary single plug, as you can see in the simplified diagram above.

Both plugs fire simultaneously. The gas vapor is ignited at two points instead of the usual one. One effect is quicker combustion, which produces more power, more speed, much faster acceleration.

Another result is, more uniform combustion, which helps to create the very noticeable smoothness and rhythm of Nash motor performance.

And still another result of Twin Ignition is more efficient combustion, which prevents wasted fuel.

With Twin Ignition, instead of single ignition, higher compression is practical, and the same Nash motor produces 9 1/2 more horsepower, 5 miles an hour more speed, and 2 extra miles from every gallon of gasoline you buy.

The New NASH '400'

Leads the World in Motor Car Value

- IMPORTANT "400" FEATURES—NO OTHER CAR HAS THEM ALL.
- Twin-ignition motor
 - 12 Aircraft-type spark plugs
 - High compression
 - Houdaille and Lovejoy shock absorbers (exclusive Nash mounting)
 - Salon Bodies
 - Aluminum alloy pistons (lower strain)
 - New double drop frame
 - Torsional vibration damper
 - World's easiest steering
 - 7-bearing crankshaft (before crank pins)
 - Bijou centralized chassis lubrication
 - Electric clocks
 - Exterior metalware chrome plated over nickel
 - Short turning radius
 - Longer wheelbases
 - One-piece Salon fenders
 - Clear vision front pillar posts
 - Nash Special Design front and rear bumpers

Templar Motor Co. Inc.
PHONE 1010
Eleventh and Klamath

Motoring and Shopping Are Twins in L. A.

Motoring and shopping are beginning to go together in Los Angeles and Hollywood as naturally as flowers and May.

Open air markets, that are dotting the principal thoroughfares of the southern California metropolis, are the reason. These markets, offering every conceivable household commodity, are a striking innovation in convenience, busy shoppers have found.

On a recent tour of such markets made by Mary Brian, Paramount screen star, in a Silver Anniversary Buick, practically everything from pins to cabbages was purchased. The range of commodities offered by these unique markets was found truly amazing. There are fruit and vegetable sections, the grocery area, the meat divisions, the delicatessen counters, hot lunch stands, and even drug stores. Florists are taking space in many of them.

Starting with open fruit and grocery stands facing busy streets or boulevards, they have developed into sumptuous trading centers. Many of them have wide driveways, or parking stations. There the motorist may park while shopping, or if preferred, sit in the car and order whatever is wanted.

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JONES LAW TO BE CLUB USED TO CLEAN CITY

CHICAGO, March 13, (UP)—Laying his plans for prosecuting liquor violators under the new Jones law, U. S. Attorney Geo. H. Q. Johnson called Police Commissioner William F. Russell to the Federal building today and ordered him to "dry up the loop."

Russell pledged the closest cooperation with Federal authorities in enforcing the new act which provides penalties of five years imprisonment, \$10,000 fine, or both, for persons convicted of violating the prohibition act.

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Do as thousands of motorists are doing—test Buick against any other car—learn the full extent of its leadership—then you, too, will buy a Buick!

Get behind the wheel and get the facts!



BUICK GARAGE
H. E. HAUGER
1330 Main Street Phone 42

WHEN BETTER AUTOMOBILES ARE BUILT, BUICK WILL BUILD THEM

Used Cars

- 1927 CHEVROLET COUPE — Wonderful condition, fully equipped, license.
 - 1928 CHEVROLET COACH — Fully equipped, license, extras, just like new.
 - 1928 CHEVROLET SPORT CABRIOLET—Has had wonderful care and has lots of extras, license.
 - 1926 CHEVROLET LANDAU SEDAN — New paint, license, extras.
 - 1927 OAKLAND LANDAU SPORT COUPE—Just like new, fully equipped.
 - 1927 CHEVROLET TON TRUCK AND CAB—Excellent rubber, 4 speed, license.
 - 1925 FORD COUPE—Very good condition and the price will surprise you.
 - 1928 CHEVROLET COUPE—Just nicely broken in, fully equipped, license.
 - 1927 STAR TOURING CAR—Lots of extras, license, good shape.
 - 1925 BUICK COACH—Wonderful shape and looks and runs like new.
- Several Good Used Cars at \$60 to \$100 that Will Give Lots of Miles Yet. A Large Assortment.

Locke Motor Co.
USED CAR LOT No. 1
600 South Sixth Street
General Motors Finance Plan for Your Convenience