

SEVENTY-FOURTH YEAR

SALEM, OREGON, SUNDAY MORNING, OCTOBER 12, 1924

## FORD TO HAVE HUGE WOOD PLANT

Will Produce More Than \$11,000 of Charcoal and Chemical Product

DETROIT, Mich., Oct. 11.—Operations have begun at the huge wood distillation plant of the Ford Motor Company at Iron Mountain.

This great plant, largest and most complete of its kind and a distinctly salvage development, has a capacity of daily producing charcoal and chemical product to the value of more than \$11,000 on the present day prices.

It also constitutes the fifth unit in the wood working industry which the company has coordinated under one head at Iron Mountain, including everything from raw materials to the finished product and the reclamation of waste. The five are, logging, saw mills, dry kilns, wood part plant and wood distillation.

Under the magic of modern science, hardwood scraps and sawdust from the Ford saw mills and small, gnarled and otherwise useless tree limbs from the Ford forests are now made to give up a score of valuable products. From a ton of such wood the Iron Mountain distillation plant reclaims:

135 pounds of acetate of lime  
61 gallons of 82 per cent methyl alcohol

610 pounds of charcoal  
15 gallons of tar, heavy oils, light oils and creosote

600 cubic feet of fuel gas  
The charcoal pressed into briquettes, is suitable for producing the intensely hot fires required to purify high-grade iron and also is being sold through Ford commissaries as an exceptionally clean and economical fuel for home use.

Tar recovered from the wood, upon further distillation yields pitch, wood creosote and flotation oils all of which are used in the Ford organization. The pitch is used for sealing batteries and insulating coils; the creosote as a preservative for poles, posts and railroad ties, and the flotation oils for mining purposes in the Ford mines.

The group of by-products containing methyl alcohol and acid, after being neutralized with lime, go to stills where the alcohol is driven off. The lime, combining with the acetic acid makes calcium acetate and from this there is produced ethyl acetate, great quantities of which are used at the Highland Park plant of the company in the manufacture of leather cloth for automobile tops and upholstery.

The methyl alcohol coming off goes to the refinery and emerges as methyl acetone and methyl alcohol, useful as solvents or denaturing agents. The remaining oils and the gas are used as fuel.

Comprising the giant wood distillation plant at Iron Mountain are two main buildings, each with four six-story sections. The Carbonization building, where the process starts, is 360 feet long and 50 feet wide, and the Distillation building, where chemical products are made, is 300 by 90 feet.

The buildings are furnished with heat by a steam power plant, a unique feature of which is a horizontal smokestack ten feet in diameter and more than 200 feet long, which connects the two big buildings furnishing heat for wood drying.

Mechanical installation, dryers, retorts, condensers, stills, etc., are the largest ever placed in a plant of the kind. The Stafford process of wood distillation which effects the greatest measure of wood conservation, is used, instead of the old oven process. The latter requires good sized pieces of wood, while the Stafford process can use anything of a cellulose structure—sawdust, shavings chips, bark, corncocks, even nut shells—and convert it into charcoal and valuable by-products.

In every respect the Iron Mountain plant represents a high example of the extreme limits to which the Ford Motor Company goes in its endeavor to effect every economy and to contribute at all times as large a measure as possible to the conservation of national resources.

### SEPTEMBER PRODUCTION 274,300.

The demand for cars and trucks this fall is expected to exceed the same period in 1923. September production of motor vehicles was 274,300. This, as usual, was smaller than August, being 2% under this year, as compared with 6 per cent under last year.

Alphabetical list of exhibitors at the Silver Jubilee shows is as follows:

Passenger cars: Ambassador, Apperson, Auburn, Buick, Cadillac, Case, Chandler, Chevrolet, Chrysler, Cleveland, Cole, Davis, Dodge,



The Western Auto Supply report that the demand for locking caps is growing daily. One of the accessory salesmen is pictured above explaining to a fair motoring devotee, the advantages of equipping her new Maxwell coupe with a locking cap.

du Pont, Durant Eleer; Essex, Flint, Franklin, Gardner, Gray, Haynes, Hudson, Hupp, Jordan, Kissel, Lexington, Lincoln, McFarlan, Marmon Maxwell, Moon, Nash, Oakland, Olds, Packard, Paige, Peerless, Pierce, Reo, Rickshaw, Rollin, Star, Steam Vehicle, Stearns, Studebaker, Veile, Westcott, Willa Sainte Claire, Willy-Overland.

Taxis: Checker, H. C. S., Premier, Reo, Yellow.

## VELIE SALES SHOW BIG INCREASE

New Model Sixty Greatly in Demand—Largest Sept. Company Has Had

An increase in actual sales of 197 percent during the month of September as compared with August was announced today by the Velie Motors Corporation of Moline, Illinois. The company also announced that during the 30 days ending with September 30, the dealer organization had been increased by 42 contracts.

It was also stated that the company would work overtime during the month of October to meet the demand for the new Model 60.

September also witnessed the establishment of a new sales record for the Velie company in being the largest September the company has ever known, with the exception of the war period when government work was being done exclusively. It was also the

## SEPTEMBER IS GOOD FOR OLDS

5000 Cars Placed in Hands of Owners During Month—Oct. Looks Good

Business throughout the country is on the upward trend if the sale of Oldsmobiles is any criterion. During the month of September more Oldsmobile were sold than during any previous month since April this year, when practically 5000 cars were placed in the hands of owners, according to figures announced this week by the Olds Motor Works, Lansing, Michigan. Orders on hand indicate that October will show a still higher record.

A substantial increase in sales is noted in the agricultural districts, an analysis of September Oldsmobile business shows, although a gain is registered in every section of the country, both urban and rural. This betterment in the farming communities reflects the improved financial condition of the farmer.

During the month just ended the factory shipped to dealers slightly under 5000 cars. Due to the new manufacturing schedule system employed by Olds, this represents about the number of retail sales. This new manufacturing and sales plan require ten day reports from dealers as to the number of cars they have on hand, together with estimates on future business. In this manner the factory is enabled to regulate shipments to dealers and prevent them from becoming overstocked—in fact shipments are kept in line with retail sales.

One of the outstanding features of the present excellent business situation is the great demand for closed cars which exceeds that of all previous years. So great has been this demand that the Olds Motor Works for the first time to its 27 years in business entirely suspended production of open car models for one week recently so that it could put its full efforts on the production of closed cars for the six days, and thus in a measure ease up the pressure from dealers for the big demand from the public for this type of body. At the present time it is taking every closed job that can be turned out by the Fisher Body plant recently established on the Olds property.

The recent introduction of a five-passenger Coach is believed to have materially accelerated this big demand for closed cars. The reception accorded the new coach has been even greater than anticipated, and at the present time

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largest month the company has known this year, being 16 percent greater than April, the largest sales month for every automobile company.

Of the new sales contracts the company has made in the last 30 days, 14 are distributors in some of the largest cities of the country and 28 are dealers. Reports to the factory indicate that within the next 60 days more than 150 additional distributors and dealer contracts will have been made.

The company says that the closed car sales on the new Model 60 will run as high as 85 percent for the next year and orders on hand are in excess of the factory production.

## Alaska Valley Celebrates First Decade of Farming

ANCHORAGE, Alaska, Oct. 9.—(AP.)—The Sustna Valley is celebrating with an exhibition and fair its first decade of agriculture. In the 10 years since the launching of the Alaska Railroad project by the government, sufficient land had been brought under cultivation to assure a display equal to that of many northwestern states.

Following the usual history of pioneering, the city dwellers gradually are acquiring partly developed homesteads and acreage, and a forward movement in agriculture has resulted.

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this model is being sold as rapidly as dealers can be supplied.

The present six-cylinder Oldsmobile was introduced just exactly one year ago and is the product of a new policy under which the Olds Motor Work concentrates its entire resources and efforts on one chassis, with a complete line of nine body styles. Mechanically the car has been continued into the 1925 selling year with only such changes as improvements and developments in automotive engineering have made advisable. The body lines have been refined in several important particulars, the most noticeable being a higher hood and cowl with new and latest design nickel radiator. All bodies are finished in beautiful satin lustre Duco.

During the past 12 months since the six-cylinder Oldsmobile has been in production there have

been shipped and sold more than 48,900 cars, making the year the best 12 month period in the history of the company.

## Skeleton of Mastodon Found Under City Street

DENVER, Oct. 9.—(AP.)—Eighteen feet below the surface of a street here recently a laborer unearthed bones that were pronounced by scientists to have been part of the skeleton of a mastodon. The teeth and jawbone were intact.

J. B. Figgins, director of the Colorado Museum of Natural History, hazarded the guess that the bones were about 2500 years old. Mr. Figgins said science never had found a complete skeleton of a mastodon, but had pieced together parts found, using the proportions indicated.

## CHRYSLER SHATTERS DISTANCE RECORD

1000 Miles Made in 1007 Minutes Including Stops for Gas, Tires and Oil

Shattering all previous distance endurance records, a stock Chrysler Six phaeton covered 1000 miles in 1007 minutes elapsed time at Fresno, California.

Deducting the time consumed for necessary stops, such as for gasoline, oil, tire changes and food for the driver, the net running time was 878 minutes, 10.8

seconds, an average speed of 68.7 331 miles an hour.

The distance, 22 miles longer than the New York Central Railroad's route from New York to Chicago, was made in 5 hours and 21 minutes less running time than the famous Twentieth Century Limited's scheduled time between America's two largest cities. It was made in an hour and 20 minutes less than the famous train has ever completed its shorter run.

## IRISH PRISONERS' FUND LOW

DUBLIN, Oct. 9.—In a recent address Eamonn de Valera stated that the fund for the assistance of the dependents of prisoners put in jail by the Free State had received \$275,000 from America and \$125,000 from other sources. At present, he said, the fund has only \$100.

**Don't Flirt With Death or Injury**

**McClaren** **Cords**  
*a perfect* **non-skid**

**Wear One and You'll be Pleased**

**"JIM" Smith & Watkins "BILL"**

## THIS IS WHAT THE STAR CAR DID

The Economy run put on by us from noon October 3 to October 7 at 4 p. m., the 100 HOUR NON STOP RUN, was very satisfactory to us from the fact that we did not doctor up the car in any way.

We run this car in the same condition that we would put it in when delivered to a customer, with the exception that after the motor got warmed up we cut down the gas supply to a point that is called a lean mixture.

Jets in carburetor were not changed, neither was light oil put in the transmission and differential, which would materially increase the mileage.

Coasting was not allowed, and the clutch was engaged at all times.

The fan belt was removed during the entire run, and at times radiator was covered from one half to three fourths in order to keep the motor warm.

No trouble was experienced at any time during the run and this car did not have but three hundred fifty miles before it started on the run.

Number of miles run in the 100 HOURS	1872 3-5
Gallons gas consumed	60 3-4
Quarts lubricating oil	5
Quarts water	4
Number of miles per gallon gas	30 81-100

**STAR**  
**"Tomorrow's Car Today"**

**SALEM AUTOMOBILE CO.**

F. G. DELANO A. I. EOFF

## VALVOLINE

Valvoline Oil was used in the Star car that run the 100 hour non-stop run which started at noon Friday, October 3, and ended at 4 p. m. Tuesday, October 7.

The Valvoline oil that was used in this Star car which covered a distance of 1872 3-10 miles was in constant use for the 100 hours.

Valvoline oil is a pure Pennsylvania oil and is not blended as some of the oils on the market today. Valvoline Oils and Greases are one of the oldest if not the oldest lubricants on the market today and the Valvoline Company have always maintained quality.

We invite you to stop in our store and examine the oil that was used in the 100 hour run and convince yourself of the high standard of Valvoline Oil.

Remember that we carry a full line of Valvoline Oils and Greases at all times.

## SALEM AUTOMOBILE CO.

F. G. DELANO A. I. EOFF