

# Automobile, Truck, Tractor and Highway News of

## Quarter Million Spent In Making New Oil "Cyclo"

When the Associated Oil company recently introduced its new motor oil to the public it attributed the creation of the product to science. "Science Creates Cyclo" was the slogan that appeared in newspaper advertisements and on signboards all over the country.

No one could doubt the truth of this statement after paying a visit to the Avon refineries of the big company. There, in a building costing \$250,000, have been housed many ingenious devices—each one a scientific achievement. If one were to step up to any single one of the large and small devices in the huge laboratory he could be entertained by the hour with the most romantic and fascinating talk, quite outside the everyday humdrum talk about the reason for this or that device, why it was made, the research and mathematical exactness back of it, what it does and what it all means.

Outside the building are arranged pipe lines which convey crude oil into the various sections within, where the crude petroleum, like wax in the hands of a modeller is converted into the motor oil known as "Cyclo."

This motor oil is different from other oils in that it is free from what chemists know as "sulphur" and other unstable compounds, found to be injurious to an automobile's mechanism.

## Invention Adds New Motor Life To Oldsmobile

It has long been realized that in the building of motors for automobiles some system should be devised which could insure finished cylinder bore being perfectly round from end to end and which would have a surface harder than that obtained by any machining or grinding, the processes used heretofore. But it remained for Oldsmobile engineers to develop the desired methods for rolling the cylinder bores.

The method is the use of a central spindle surrounded by rolls which somewhat resemble roller bearings. Each roll is carefully measured with micrometers so that the whole forms a true circle. This is made to the true size of the desired cylinder bore and a previous machine operation on the cylinder wall allows from one-half to three-fourths of a thousandth metal on the diameter to be compressed by rolling.

The result is that the roll, which works in oil against the cylinder wall, compresses the metal by crowding it back under expansion and gives it a hardness and polished smoothness which cannot be obtained by any other method. Much longer life to the cylinder walls and a true bore are positively insured.

## Rates on Grain Shipments East Cut by Railways

Chicago, Aug. 6.—Freight rates on grain, grain products and grain by-products from Chicago and the Central Freight association territory to north Atlantic seaboard ports will be reduced 7½ cents per hundred pounds for a period expiring December 31, as a result of conference between railway and shippers' representatives. It was announced today.

The association includes Mississippi and Ohio river points and the territory between those rivers north to the Great Lakes and east to Buffalo and Pittsburgh.

The proposition of the carriers that the domestic rates on grain, grain products and grain by-products also be reduced 4½ cents per 100 pounds from Chicago was discussed.

As to both the export and domestic rates, the usual differentials are to govern as between New York and other North Atlantic seaboard ports. All of the reductions will affect the freight charge on shipments from points north and west of Chicago, also west of the Mississippi river.

Requests to President Harding for charity are so numerous that a special form letter is used in replying.

Charlotte Bronte's writing was so small that it appeared to have been traced with a needle.

## Reminder to Reckless Drivers

At the crossing of Elsinore Ave Road over the Pennsylvania System tracks at Cincinnati O at 520Pm AM Feb 9th 1921, automobile bearing license number D408 State of Ohio registered in your name, was observed to approach and cross the tracks and disregard the usual safety rules of slow speed and looking and listening for approaching trains.

Observance of "Safety First" slogan will prevent an accident such as is portrayed on reverse side of this card. Blue Touring - White Wire Wheels

Ward Combs

Observer

This automobile was struck by a passenger train at the crossing shown, where the usual safety rules were not observed by the driver. One occupant was killed and four others were permanently injured.



Because of the astounding increase of automobile accidents at railroad crossings this year, the Pennsylvania Railroad, through its Safety First Department, is making a special effort to curb these unusually fatal accidents. Through the entire Pennsylvania system, wherever its tracks are laid, observers are on the lookout for careless motorists who persist in taking chances. They take the number of the automobile, and in a day or so Mr. Motorist receives one of the above post cards. It is a gentle reminder and warning which he is not apt to forget, and by this means the railroad expects to save many lives.

## National Victory Highway Will Be Completed In 1922

San Francisco, Aug. 6.—Under either direction. Eight or ten months will be required to complete the work. The Victory highway will be a national monument in honor of the living and the dead who served in the great world war. The road will stretch from the Atlantic to the Pacific, passing through Topeka, Kansas, the approximate geographical center of the United States. The eastern terminal of the highway will be in New York and the western terminal San Francisco.

The Victory Highway association in selecting the route has had in mind a highway that will best serve the people in time of peace and the government in time of war.

The president of the Victory Highway association is Geo. W. Stansfield, a capitalist of Topeka, Kansas, who early in 1921 conferred with officials of the State Automobile association to obtain their co-operation in signing this national monument to those who fought and gave their lives in the world war.

The association plans to complete signing the highway to Jefferson City, Missouri, this year and by the fall of 1922 the entire route to New York will be marked.

## Suffering Is Prevalent In Austrian City

Vienna, Aug. 6.—"The old people of Vienna are slow to ask for help," writes Miss Clara Landsberg of Chicago, Ill., in an article on "The Austrian Intellectual Class" for publication in England. "Only after they have been refused work repeatedly on account of their age, or because their health has completely broken down and they realize themselves that the world will pay them nothing for what they can offer, will they apply to a mission for aid."

"They are doing much for themselves. Every day in the Volksgarten one sees delicate old ladies taking children out walking. Ladies who formerly embroidered, knit dainty gifts for their friends, now sell their handiwork to help them to live. One old pensioned general has taken to painting, and his room is filled with pictures of the Semmering taken from sketches made in this beautiful Austrian resort in the happy time when a yearly vacation there was a matter of course. A major's widow, whom necessity has taught to do beautiful mending, begs to be allowed to mend and patch and darn in return for the old-age pension which the Friends' mission gives to specially deserving cases. One bees to be given translation to do, another offers to teach French or German, and still another seeks 'any sort of clerical work.' Some ask pitifully if we cannot suggest anything to show their gratitude and to lessen the burden of taking a gift from a stranger."

Every city has one newspaper which, by universal consent, is the Want-Ad medium of the community. In Salem it's The Capital Journal.

JOURNAL WANT ADS PAY  
VIA ADVANCE TYPING  
JOURNAL WANT ADS PAY

## Great Advance In Auto Motors Has Been Made

Few owners realize, in these swiftly-moving days, the remarkable development of power and efficiency that has been made in automobile motors in a comparatively few years.

"Why it took a Sampson to start the one-lungers of but twenty years ago, and a wizard to keep them running," says Andrew Bachle, veteran automotive engineer. "Dirtroads offered difficult obstacles and a hill was a Waterloo. Plenty of strength to get out behind and push was the most desired quality for a mechanic in road races."

"Many a driver won his race by backing up hills which his competitor found too steep to take running forward. Power was a missing requisite."

"Take for example the motors in the Paige cars we are turning out today and you get the contrast. The new Paige light six motor with cylinders only half the bore of the old one and two lungers and rated at 25.75 S. A. E. horsepower, develops an efficiency so high that on a recent block test 49½ horsepower was developed at 2400 revolutions per minute."

"The Paige '6-66' motor which Ralph Mulford has been using in setting new stock chassis records develops just under 70 brake horsepower, and does it economically. The possibilities in the way of performance and economy which these modern motors give were undreamed of only a few years ago."

## RIMS

and Rim Parts for all Cars.

Free Expert Advice

Spring for all cars in stock.

IRA JORGENSEN

150 South High Street

## IF-

## We Lost Your Good Will

If our service station burned down we'd get the insurance.

If burglars stole our cash, we could borrow some.

But if we lost that part of our business called GOOD WILL, we could get it back again only through months, or possibly years, of the hardest kind of work.

That's why we say GOOD WILL is the most valuable thing we own.

Our promptness and thoroughness will show you, if you come in, how much we value your GOOD WILL.

DEGGE & BURRELL  
Auto Electricians  
238 N. High Street



This trademark, stamped in red on the case, identifies the Willard Threaded Rubber Battery.

## Willard Batteries



30x3½ STANDARD NON-SKID

## The Fastest Selling Tire In America

The increasing popular demand for the Firestone Standard 30x3½ inch tire over a period of years has given us big volume. Our Plant No. 2 devoted wholly to this size tire with a capacity of 16,000 tires and 20,000 tubes per day cuts costs on every operation. On May 2, we dropped our price to \$13.95 passing on to the car owner the full benefits of this big sales volume and this labor-saving plant. This tire has been our standard for years—four plies long staple fabric—extra gum between plies—heavy non-skid tread. The greatest value ever offered car owners. Insist on Firestone.

## Our Cord Tire Values

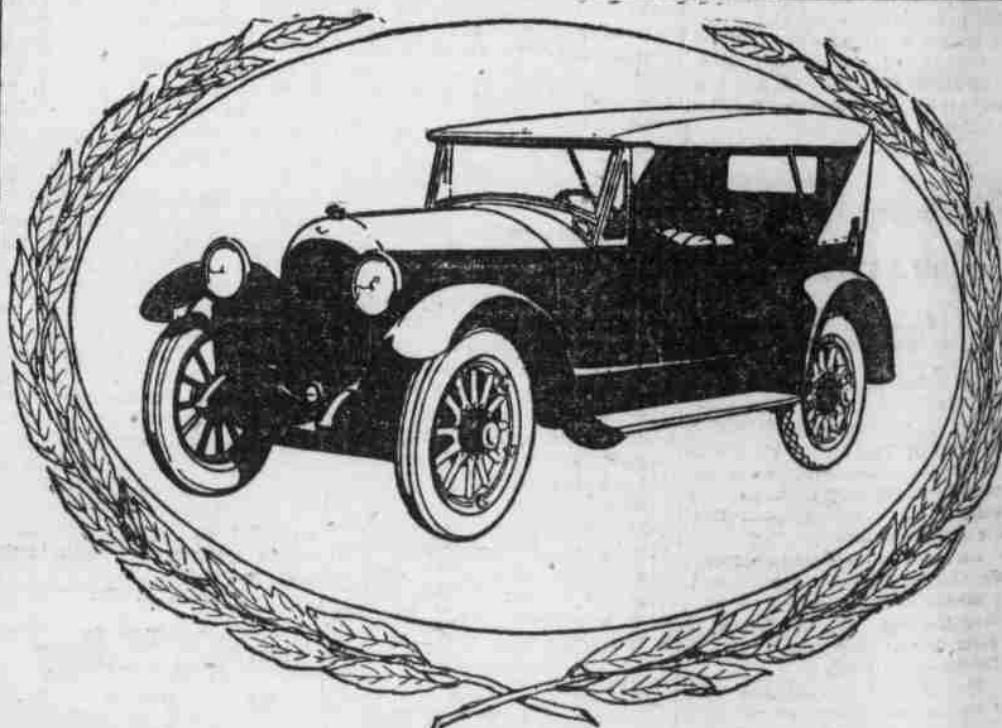
Firestone Cord tires are made exclusively in Plant No. 1. Our process of double gum-dipping each ply of cord gives thicker insulation. The massive non-skid tread, with extra thickness where wear is most severe, gives real effectiveness in holding the car against slipping and adds many extra miles of service.

Firestone Cord tires are sold at the lowest prices in cord tire history: 30x3½, \$24.50; 32x4, \$46.30; 34x4½, \$54.90.

There are Firestone Dealers Everywhere to Serve You

\$13.95

W. M. Hughes, Dealer, Salem, Oregon



## PAIGE

The Most Beautiful Car in America

## It is Changing Buying Habits

The Paige 6-66 model is a truly great motor car because it represents a great economic achievement. It means maximum motoring qualities at minimum cost.

It means sane, sensible investment value instead of extravagance. Therefore it has changed, and will continue to change, buying habits in the fine car field of America.

You have but to look about you for the evidence. The boulevards tell the story. For more than 25% of our total sales have replaced cars costing from one to three thousand dollars more than the Paige.

In short, the fine car buyer has grown weary of paying "excess fare." He now cuts his investment in half—and drives the undisputed champion of road and track. Think it over.

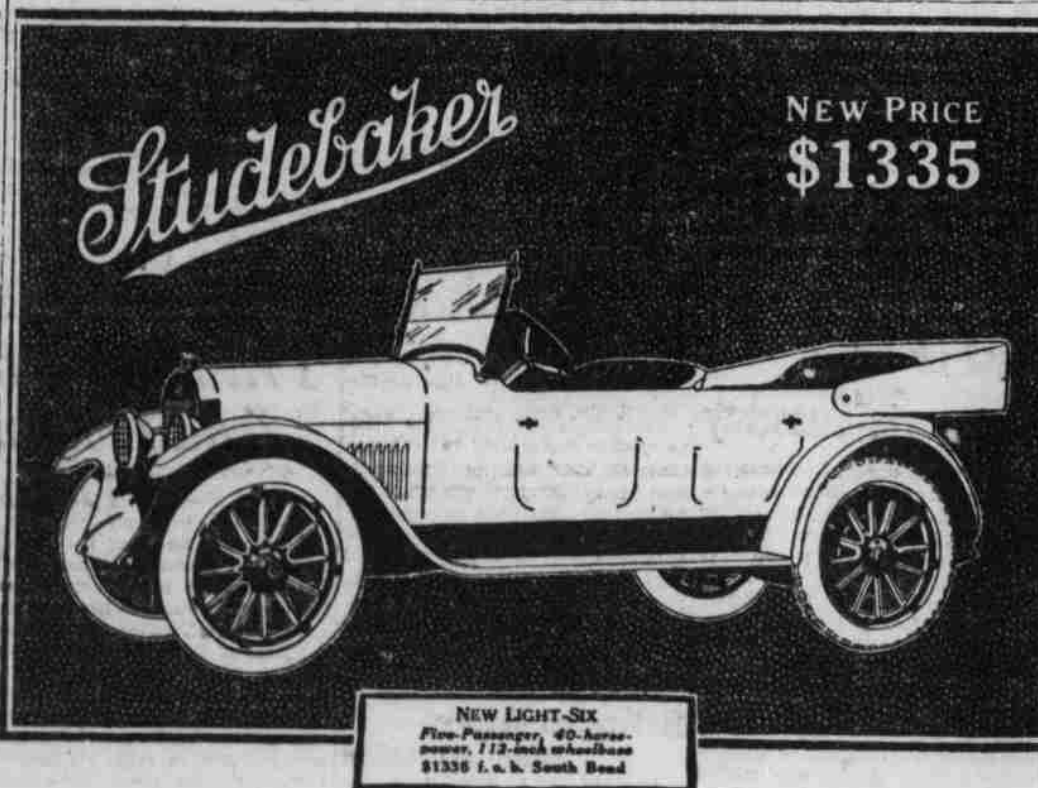
PAIGE-DETROIT MOTOR CAR CO., DETROIT, Michigan  
Manufacturers of Motor Cars and Motor Trucks

## VICK BROTHERS High and Trade Streets

### NEW PRICES OF PAIGE CARS

Open Cars	Closed Cars
Chrysler, 4-4, 5-Pass. Touring . . . \$1615	Coupe, 4-4, 4-Passenger . . . \$2450
Lincoln, 4-4, 5-Pass. Roadster . . . 1615	Sedan, 4-4, 4-Passenger . . . 2070
Armstrong, 4-4, 4-Pass. Sport Car . . . 1825	Coupe, 4-4, 4-Passenger . . . 2750
Edgewood, 4-4, 5-Pass. Touring . . . 2025	Sedan, 4-4, 4-Passenger . . . 2350
Larchmont II, 4-4, 5-Passenger . . . 2095	Limousine, 4-4, 5-Passenger . . . 2650
Daytona, 4-4, 5-Pass. Roadster . . . 2200	

All Prices f. o. b. Factory, Tax Extra



THE true measure of worth in the NEW LIGHT-SIX is to be found in the enormous demand that has existed for this car even in the so-called period of depression. For during the first six months of 1921, Studebaker produced and sold more automobiles than any other manufacturer in the country with the exception of one manufacturer of a well known and very low-priced car.

This is a Studebaker Year

## Marion Auto Co.

235 S. Com'l Street.

Phone 362.

Special Six Touring Car . . . \$2055	Special Six Coupe . . . \$3045	Light Six Touring Car . . . \$1750
Special Six 2-pass. Roadster 2085	Special Six Sedan . . . \$1465	Light Six Landau Roadster 1990
Special Six 4-pass. Roadster 2655	Big Six Touring Car . . . 2650	Light Six Sedan . . . 2490

F. O. B. Salem

F. O. B. Salem

ALL STUDEBAKER CARS ARE EQUIPPED WITH CORD TIRES