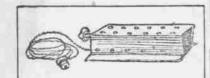
### HOT BRICK PLAN **GOOD IN WINTER**

Electrical Connection in Garage Eliminates Many Starting Troubles in Morning.

### KEEP WATER FROM FREEZING

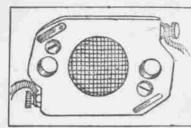
Quick Start Can Be Made by Use of Vaporizer-Mixture of Salt and Glycerin Will Keep Snow and Rain From Sticking.

If there is electrical connection to he garage there should be no trouble starting off in the morning. The "hot rick" method electrified may be used



to keep the water system from freezing and the engine warm. Merely place the appliance on the engine and turn on the switch.

Instant starting in cold weather is promised by the use of this electric vaporizer. It is a heat-resisting case.



Electric Vaporizer Facilitates Starting.

holding four wire screens, and is placed between the carburetor and intake manifold. The battery current heats the wires for about ten seconds, thus preheating the Intake air and



Priming an Engine.

sprayed gasoline and facilitating the starting.

To prime the engine for starting, pour a mixture of high test gasoline and ether into each cylinder through the priming cups at the top. Then



Keep Off Rain or Snow

limber up the engine with the crank and starting will come easily.

Prevent cold drafts coming up through the openings for the clutch and brake pedals, by gluing a piece of sheet rubber or leather to the bottom of the toe board, with merely a slit for the pedal arm.

To prevent rain or snow from sticking to the windshield, mix about two ounces of glycerin with one ounce of water and a dram of salt. Apply this to the glass with a cheesecloth. Wine in a vertical direction only, so that the mixture will allow the rain to flow down and off the glass.

### AUTOMOBILE NEWS \_

Turn corners moderately.

If the fan belt slips turn it insi-

Change the water in the cooli system weekly.

More accidents occur on straig highway stretches than at curves o road intersections,

The latest style passenger autombiles are equipped with no fewer that 14 electric lights.

Gasoline left standing for considera able time, even if it be in a tank, wilose its ignition efficiency. Gear-shifting at the proper time an

entire mechanism of the car. Motorists should stop when there ! an accident, whether it be the opera tor's fault or not, and render all th

in the proper way saves racking th

assistance possible. A car should be kept out of the su until dry after being washed. Sunlight has a tendency to damage the surface of a wet car by causing the

### paint to check, Death of J. B. Dunlop Pneumatic Tire's Inventor

John Boyd Dunlop, aged 81 years, commonly regarded as the inventor of the pneumatic tire, died in Dublin, Ireland, on October 25. He was a native of Scotland and came to Belfast, Ireland to practice as a veternariaa.

Later he removed to Dublin. Although his name has become a household word in the world of cycling, motoring and road traction, the inventor of the world-famed Dunlop tire, except for a short period as di-

pany was never in nor of the rubber look for the future continues bright, industry, says the India Rubber Jour- with promise of greater prosperity in nal of London.

Accounts differ as to the circum- number of years. stances under which he developed his idea for the use of pneumatic tihes, a patent for which was taken out on the 23rd July, 1888. Probably the most reliable story is that said to have been related by Mr. Dunlop. His ten-years-old son had a tricycle which bumped grieviously on the imperfect Irish roads. Mr. Dunlop felt that something ought to be done about it. and he set to work, "I formed the rims of the wheels," he said, "of American elm. I made an air-tube of rubber, covered it with cloth, and then with rubber again. My son rode this tricycle to Belfast, and people stared and laughed at the clumsy wheels, but he out-distanced other evclists easily. In May, 1889, I turned out my first racing bleycle with the new tire, and it carried off all the first prizes at the Queen's College sports

at Belfast." Dunlop's aptent might have passed into oblivion in the same way as Richard William Thomson's 1845 patent for an elastic tire had not Harvey Cros, Sr., the amateur light-weight and midle-weight champion of Ireland realized its possibilities and joined

orces with Dunlop. The first pneumatic tire company was started in Dublin in 1889, and of the nominal capital of 25,000 pounds only about 18,000 pounds was subscrib-It was combined with a cycle eda agency, the prospectus putting forward that if the pneumatic tire did not succeed the cycle agency would pay dividends on the shares! With in four years, however, a dividend of 200 per cent was declared. When the tire factory was established in Dubin the resident of Merrion Square, the adjoining residential area, raised an outcry on account of the fumes rom the factory, whereupon works were established in England, and the Lincoln Place premises were used as a distributing center for Ireland. Mr. Dunlop was often heard to deplore the fact that Irish people did not share in the benefits which an everincreasing tire factory would have brought to them.-Tire Trade Journal.

### Outlook Is Bright For Motor Business

The automotive industry is passing through a period which will end in the survival of the fittest and the demise of some weak concerns, while those strongly entrenched will get a firmer hold.

The close of 1921 found 105,988 more motor cars in California than during 1920, despite the fact that 1921 was a reconstruction year. This is revealed in figures compiled by the state department of motor vehicles and shows that there was no material degree of depression in this line so far

# Be Sure You're Right About Your Battery

Your battery may seem to be so full of life that you may conclude everything is O. K.

But it pays to be sure, because batteries sometimes die very suddenly, right when they seem to be in the best of health.

Here at Battery Headquarters we know the facts before we tell you either that your battery is in good shape or that it needs repairs or replacement.

Everything's done here according to Willard National Standards of Service.

Battery Rebuilding and Repairing. Twelfth and Main Oregon City, Ore.

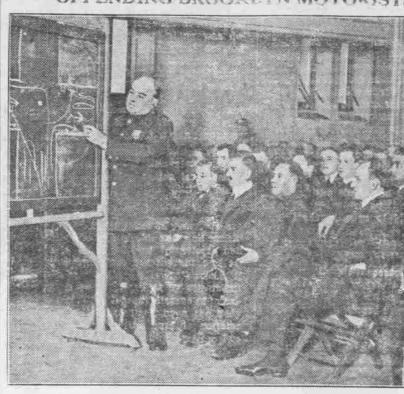
> Representing Willard Storage Batteries

awaiting development.

rector of the original Dunlop Com- as California is concerned. The out- International Starts Price War on Ford 1922 than has been enjoyed for a

There is also a splendid and growing been on a prolonged vacation, is back firm, stating that he could expect market in the orient for American in Chicago at the helm of the Inter- some of the biggest tractor news in made motors and tires, which is national Harvester Co., and will di- the history of the business in a very rect the price war against Ford. While short time.

### BLACKBOARD LECTURES GIVEN TO OFFENDING BROOKLYN MOTORISTS



concending amounts brought before Magistrate Fish in the trans-Brooklyn, are punished in a rather novel manner. They are compelled to listen to a blackboard lecture, delivered by Policeman John M. Finnerty on traffic regulations and the rules of the road as shown in the photograph.

### **AUTOMOBILE PAINTING**

A shabby looking car advertises neglect. Let us do your Re-Finishing.

> O. C. AUTO PAINT SHOP MILLER-PARKER CO.

## FORD PARTS FOR FORD AND CHEVROLET CARS.

We carry the largest stock of genuine Ford parts in this county and have a practical and experienced mechanic in charge. His advice on your repair problems is free to you-use it. For the convenience of Chevrolet owners we have prepared a list of all interchangeable Ford parts. Telephone us for quotations or advice on repair work.



Standard Accessories Guaranteed Goodyear

"Equipped to serve YOU best"

Parts

Tires

Phone 390 Convenient Storage



STOP-

AND GET ACQUAINTED.

LOOK-

OVER OUR TIRE LINE.

LISTEN—

TO OUR OVERHAUL PROPOSITION.

Capital Garage

Less Crawford, Prop.

will soon be anounced

Mr. Estes, the local International Harold F. McCormack, who has Dealer has received a letter from his

The International is giving as a conus, plows or other implements with each sale and in this respect has been followed by other firms.

Tractor dealers at the St. Paul convention were much surprised at what appears to be a price cutting contest and many of them have expressed the opinion that it could do no one any good. However we venture to say that the American farmer will loose nothing in the battle. It is an ill wind that blows no one any good and if ractor prices had held anywhere near the old level, the farmers under existing conditions, could not have bought.

### "Fliver King" Buys Big Motor Plant

Henry Ford, multi-millionaire car manufacturer, purchased the plant of the Lincoln Motor company last week. It is a huge concern and manufactures high class cars.

The sale was conducted under bank-'cy proceedings but the "Flivver" ard was the only bidder for the auge concern. The price paid was

Ford claims to have bought this property as a result of his friendship for the owner of the Lincoln plant, Henry M. Leland, and his family. The former president will be retained in

Immediately after the purchase by Ford, the automobile world was as-

he has made no definite statement as tonished by the announcement that to his future plans, big reductions the prices of all models were cut from \$800 to \$1200 per car.

It is expected that the new owner will put the concern on a dividendpaying basis.

Effective January 27, 1922.

Chassis, Regular	\$405.66
Chassis, Starter	\$477.40
Chassis, Starter and Demt. Rims	\$503.01
Runabout, Regular	
Runabout, Starter	\$520.86
Runabout, Starter and Demt. Rims	\$546,89
Touring, Regular	\$478.17
Touring, Starter	
Touring, Starter and Demt. Rims	
Sedan *	
Coupe	\$719.74
Truck	
Tractor	\$492.85

F O. B. Oregon City

## Park-ShepherdMotorCo.

Main St. at 4th

Oregon City

Phone 355

## DODGE BROTHERS

Wouldn't you like to know where the u sed car you intend to buy came from

Who owned it in the first place

How did he use it and what care did he give it.

These questions should be answered to your satisfaction. Come in and look over our stock of used Dodges. Everyone has a pedigree that guarantees your satisfaction.

77

Oregon City,

EVERY NEED OF AN AUTOMOBILE

## County Health Association MEMBERSHIP CAMPAIGN

February 14 to 28.

Do you know that in Your County, you have a Public Health Association, that it's aim is to substitute Health and Vigor for Misery and Innefficiency, to keep well people well and bring help to those who are sick?

Do you know that it employes as its special agent, a nurse specially trained in Public Health work.

Clackamas County has, by actual county 59 diagnosed cases of Tuberculosis between the ages of 20 and 40; the efficiency period of life. Its otner living cases total 119. According to the records of the State Board of Health, there were 7 deaths in the County in 1920 and 19 deaths in 1921.

The money spent thus far in this work was raised chiefly through the sale of Christmas seals.

The Portland Railway, Light & Power Company and the Willamette Valley Southern Railway Company have given free transportation to the nurse. The County Court has donated office space.

More money is needed. You will be called upon to do your share. 50 Cents will show your approval of this work, help finance it and give you a controlling vote in governing its policies.