

STATES VOTE HUGE SUMS FOR HIGHWAYS

Total of Bonds Authorized to Date \$180,300,000.

OTHER ISSUES PROJECTED

If All Now Proposed Were Adopted, Total Sum Available for Roads Would Be \$823,300,000.

Highway bond issues aggregating the enormous sum of \$823,300,000 have been or shortly will be placed before the electorate or legislative bodies in 26 states of the union. Of this amount \$180,300,000 has al-

ready been finally authorized for use on the highways of seven states; the legislatures of 12 states have referred issues amounting to \$402,000,000 back to the people for final decision; four states either now or soon will consider preliminary steps looking to the referendum of \$145,000,000 in bonds; and three states have decided against measures amounting to \$38,000,000.

In few if any instances is all the money so provided authorized for expenditure in full in the current year. Most of the sums will range over periods of three years or more, but taken in conjunction with \$274,000,000 authorized by the recent session of congress, minor enactments in numerous other states and a veritable landslide of county bond issues in all parts of the United States, the programme in its entirety easily takes first rank among the domestic activities of the country.

TENNESSEE HITS GOOD ROADS

Legislature Retains Antiquated System of County Road Control.

Holding that highway legislation recently passed by the state legislature is reactionary and inimical to the best interests of Tennessee, advocates of better highways are planning to carry the measure to the courts to test its constitutionality. In the event that the appeal is successful the state will revert to the old law which does not provide sufficient funds to meet federal aid requirements, but it is thought that state plans on short-term notes will overcome this difficulty.

Meanwhile an organized effort will be made to secure progressive road

TIRE REPAIRING IS TAUGHT

GOODYEAR FACTORY TURNS OUT CLASSES OF EXPERTS.

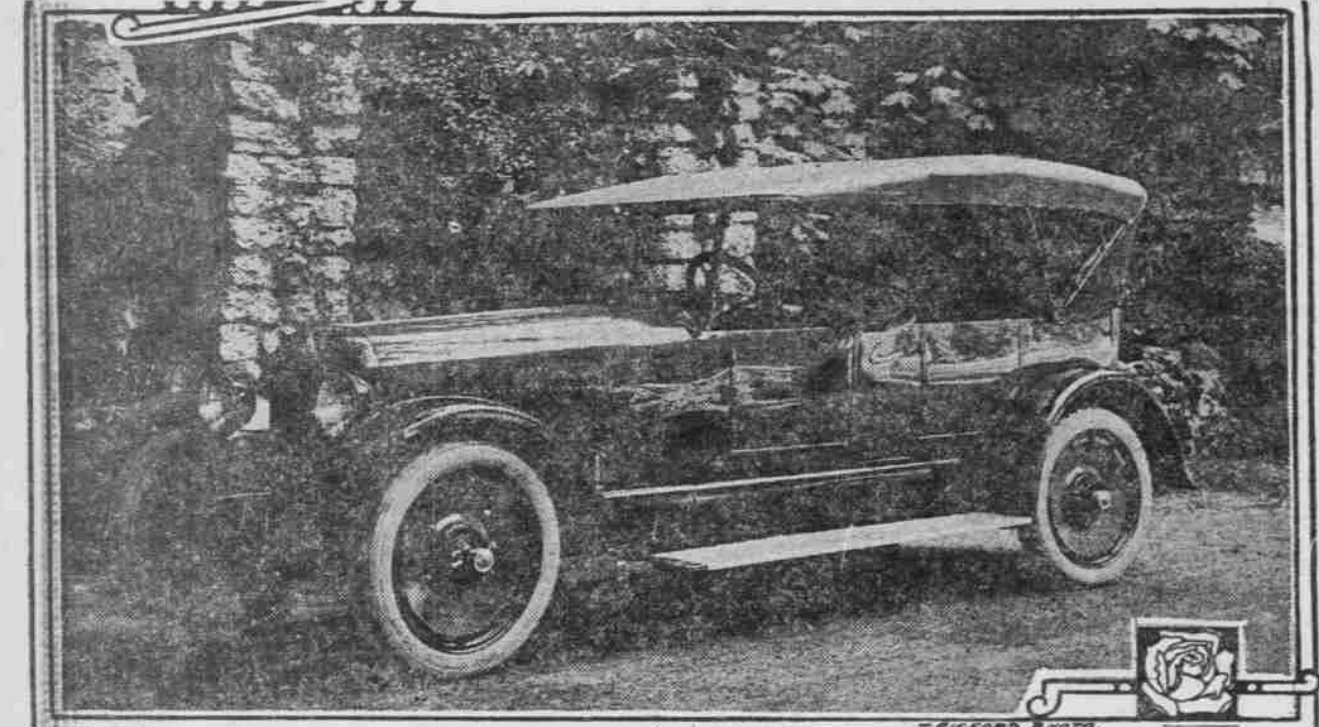
Work so Successful That Men From All Parts of Country Apply for the Instruction.

One of the natural results of the tremendous increase in the number of motor cars is the insistent demand for expert vulcanizers to carry on the tire repair business which has followed in the motor car's wake. Among the tire repair schools that have set about to relieve this condition by training men in the art of repairing tires, with a remarkable degree of success, is one which is being operated by the Goodyear Tire & Rubber company, at Akron.

It is an interesting group of men who gather in the classroom of this school on beginners' day, seeking expert instruction. Representatives from every section of the country present themselves—dealers, men who want some good repair experience before launching out into the business, and often experienced repairmen.

"We are furnishing a complete practical course," says R. Cain, instructor

SALEM DEALER GETS FIRST DISC WHEELED JORDAN.



Owner B. Glangrich of the Glangrich Motor company of Salem at the helm of the new Jordan Silhouette model. This car, for which the Mitchell, Lewis & Staver company is northwest distributor, is one of the most striking and distinctive of the late automobile models.

legislation from the next session of the legislature two years hence, with the thought that sound principles of administration, operation and finance should be written into the state statutes.

The final action of the legislature which recently adjourned may be summarized as follows:

The right of appointment of a highway commission and the power is given to the secretary of state and controller and treasurer. An amendment disqualifying members of the legislature from place on the commission was defeated.

The automobile tax is increased from

30 cents per horsepower to 50 cents and the motor truck fees to an equal amount plus \$5 per ton weight.

Provisions of the act of 1917 allotting each county \$25,000 out of the state fund are not disturbed, while 50 per cent of the automobile tax, or about \$5500 each, is distributed among the 96 counties of the state.

Under the Tennessee law the legislature's power is final, but in an effort to strengthen the movement for a \$50,000,000 bond issue and a state system, the governor called mass meetings in every county of the state. Sentiment in a majority of the counties favored the law, which, however, was defeated.

of the school. "Beginning with fundamentals we demonstrate every step in scientific repairing. Occasionally we get men with no idea whatever of how a tire is made, and some have never examined a tire, but before these men leave our school they are master vulcanizers, competent to undertake any kind of repair, from a simple puncture to a retread.

"We start them all at the same point in the practical work, cutting down sections of tires. After the student becomes skillful in this he is instructed in building them up. Then we take him through all the various divisions of the business.

"Individual instruction is given each man. After two weeks' experience we require all students to submit to an examination, and issue the Goodyear master vulcanizer's diploma to those who pass. That almost without exception the men pass with high marks, indicates the thoroughness of instruction. Because of the great demand for admission our classes are usually filled up weeks in advance.

"We use the working equipment of the average tire repair shop, and only methods that can be employed by any tire repairman with a modest capital. When you consider that 6,000,000 cars are now in service, offering opportunities for repairs on \$0,000,000 tires, you may realize why so many men, desiring to become competent repairmen, are entering the repair school."

CANADIAN MOUNTED POLICE TO BE MOTORIZED.

The famous Canadian mounted police are going to use motor trucks and will take into the wilds of the Canadian northwest seven Reo trucks. The police are being motorized, A. A. McLean of Ottawa made the purchase at Lansing for the Royal Canadian northwest mounted police. The trucks will be used to convey supplies to isolated posts. The Reos are of the speed-wagon type and some will be made into ambulances.

RUBBER FAMINE NOW IS OVER

Sweden Able to Get Tires After Great Shortage During War.

According to their Swedish automobile trade journal, Motor, a shipment of only 1200 automobile tires received at Stockholm greatly ameliorated the extreme tire needs of that country by releasing for use many cars that had been held up for months, often for the lack of a single tire. Prices were approved by the industries commission and permits were necessary to secure the tires. A large portion of the shipment consisted of Goodyear tires.

SAWDUST AS A TIRE FILLER

Driver Fills Punctured Casing With It and Goes Ahead.

Sawdust as a tire filler made its appearance on the Camp Lewis highway the other day. A light Ford delivery truck suffered from a puncture of a rear tire. It carried no extra tires and was miles away from a repair shop. The puncture occurred near a sawdust pile, so the ingenious driver filled the casing with sawdust and put it back on the rim.

The filler did not prove to be overly resilient, but it served to protect the casing. The Ford truck bumped its way back to town, leaving a faint trail of sawdust in its wake.

White Capital Increased.

CLEVELAND, June 7.—An increase in the capital of the White Motor company from \$16,000,000 to \$20,000,000 was voted at the annual meeting of the company's stockholders. Its regular quarterly dividend of \$1 per share was declared, payable June 30 to stockholders of record June 14. All directors and officers were re-elected.

Promotes Men in Ranks.

The phenomenal rise of the Goodyear Tire & Rubber company in the world of industry has been due to the development of the men in the ranks. The majority of executives entered the company's service in very humble capacities. The organization is decidedly one of young men.

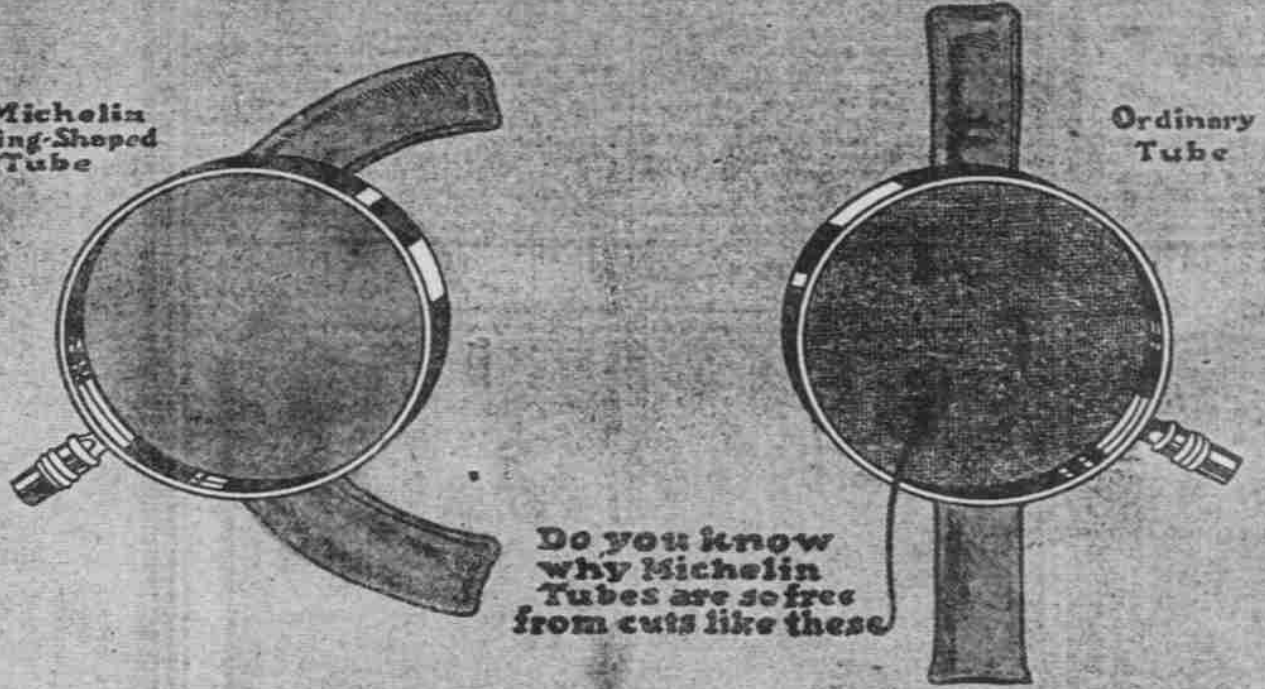
REVERSING THE USUAL METHOD, THIS GROCERY COMES TO THE CUSTOMER.

Just another example of the possibilities of the motor car. This Texas grocer has built up a big business with his traveling grocery mounted on a Dodge chassis.

MICHELIN Toughness

Michelin Ring-Shaped Tube

Ordinary Tube



Do you know why Michelin Tubes are so free from cuts like these

Many experienced motorists use Michelin Tubes because they have noticed that small stones and particles of dirt which get inside tires do not cut Michelin Tubes as they do other makes.

This superiority of Michelin Tubes is due to their unequalled toughness—which you can test for yourself by cutting such old tubes as you may have or can borrow from your tire dealer. You will find Michelin Tubes far more difficult to cut than other makes. In fact, you will find it almost impossible to cut Michelin Tubes even with a sharp knife.

This superior toughness is one of the several reasons why Michelin Tubes give the unequalled service that has made them the choice of the great majority of motorists.

MICHELIN TIRE CO.

Wholesale Only Phone Broadway 3245



TALBOT AUTO SUPPLY MICHELIN TIRES

72 Broadway Phone Broadway 1214

POWER IN LOW-GRADE GAS

MORE "B. T. U." IN IT, EXPLAINS C. L. BOSS.

Essex Distributor Declares Heat Units Are Greater in Low Than High-Grade Fuel.

Promotes Men in Ranks.

Contrary to the general belief, the lower grades of gasoline actually possess more power than do the high grade, according to C. L. Boss of the C. L. Boss Auto Co., Essex distributor.

"The power of gasoline lies in the number of 'B. T. U.' it contains," declares Mr. Boss. "B. T. U." means British thermal units, and is the standard of measurement for the heat units contained in gasoline and fuels. There are more heat units in low grade gasoline than in high.

"But the power of an engine depends more on its design than on the grade of gasoline used. Proper relation of stroke to bore, accurate valve construction, and the proportions of the gas passages increase or decrease the power of the engine.

"In the new Essex, for instance, the design is so good that the engine develops more than 50 horse-power

although it is only 29 inches in length over all. In this case the intake manifold carrying the carburetor is bolted directly to the head of the cylinders and the inward passages are given a downward slope through the valves.

"The combination of gravity flow of the mixture and the hot manifold insures perfect combustion. Every drop of gasoline is atomized and burned. This tends to eliminate carbon troubles. Then the scientifically counterbalanced crankshaft helps eliminate destructive vibration and assures long life to the motor."

appointed John N. Willys chairman of its show committee for the 1920 passenger car show. Other members of the committee are H. J. Root of Westcott and H. M. Jewett of Paige. M. L. Pulcher of Federal heads the committee on the motor truck show.

Glass Clearer.

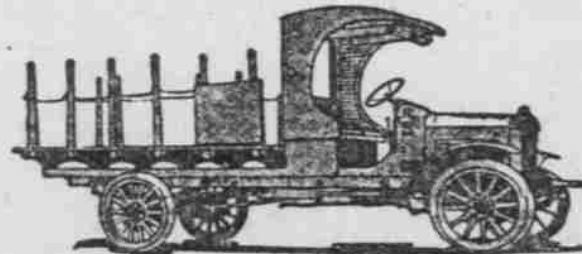
It frequently comes in handy to know that a bottle of kerosene and glycerine mixed in equal parts will clear the glass of the windshield of rain drops and give clear vision ahead. This compound operates to spread the rain drops in a thin even sheet all over the surface instead of letting it stand in globules.

Willys Heads Show Body.

NEW YORK, June 7.—The National Automobile Chamber of Commerce has

Will have an announcement to make of interest to Oregon Motorists Soon.

"THE MAN WHO PUT SERVE IN SERVICE"



BUICK EXPERTS

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Stewart MOTOR TRUCKS

Write for free booklet "How to Choose a Motor Truck." Address Stewart Motor Corp., Buffalo, N. Y.

WAIT! WATCH!



IT'S COMING