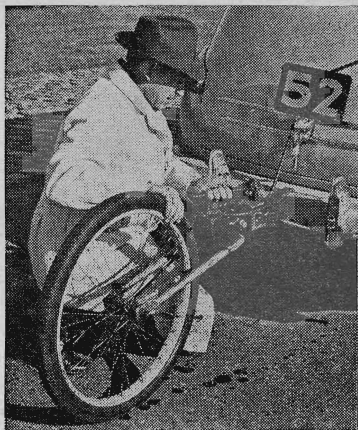


AUTO IDEAS

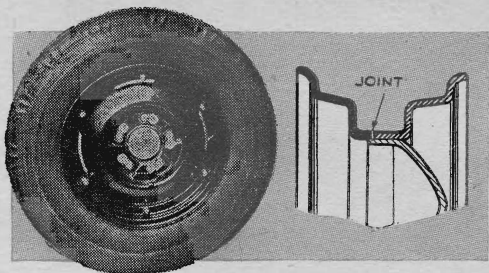


Hitched behind the car, this fifth wheel checks speedometer accuracy.

Right, a cobblestone course quickly brings out any squeaks or rattles.

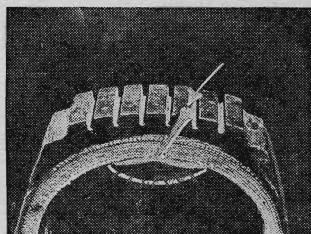


RIGOROUS TESTS are made each day on a car or truck chosen at random from the production line of the Ford Motor Company's River Rouge Plant. A driver and mechanic take the car to a test track and spend the day checking everything from the windshield wiper to the engine horsepower. Nothing is overlooked. At the end of the day, any defects are reported so that steps can be taken to prevent their repetition. The system was adopted recently to assure a uniform product.



A TWO-PART RIM on an auto wheel patented by Casimiro Ferro, of Staten Island, N. Y., is designed to eliminate the necessity of prying a tire over the flanges. The rim is divided around the circumference of its drop center, the outer section and the web of the wheel being one piece. Bolts through the rim and web permit easy removal.

RUBBER RIVETS have been developed by the J. W. Speaker Corp., of Milwaukee, Wis., to seal small holes in a tire. A twisted-wire "needle" thrust through the hole is pulled until a rubber stem on the rivet stretches and also comes through, drawing a circular base against the inside of the casing. When the wire is removed, the stem expands.



YOU HITCH THE MOTOR to this front-wheel-drive truck the way old-timers used to hitch a horse to a delivery wagon. It's not necessary to unhitch at night, of course, as

in the case of Old Dobbin, but when the motor needs servicing or trouble develops, another can be quickly substituted. This feature will enable the owner of a fleet of such trucks to keep all in constant service if he has spare power units on hand. Easily detachable, the unit includes a 4-cylinder 60-hp. engine, steering gear, and all operating controls. Known commercially as the "Deliver-All," the truck is produced by the Marmon-Herrington Co., of Indianapolis, Ind. It maneuvers easily and can be operated from a standing or sitting position.

