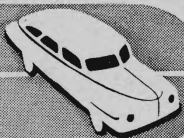
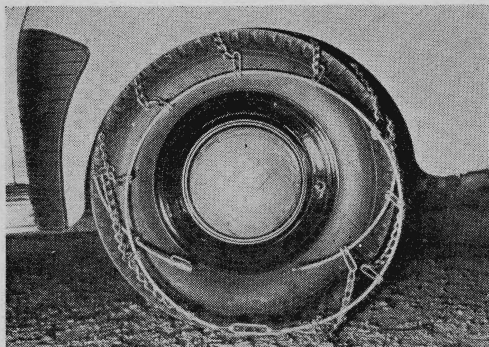


AUTO IDEAS

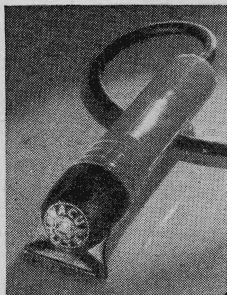


SKID CHAIN. A tire chain that can be put on without jacking or rotating the wheel has been invented by C. H. Reynolds, of Donora, Pa. Two flexible rings hold the links across the tire, and lock in place semiautomatically. Early production is planned.

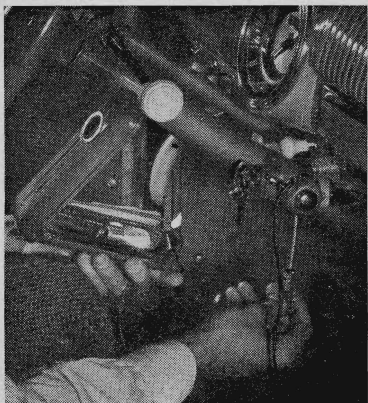


CAR CLEANER.

This miniature vacuum cleaner operates off the intake manifold. It is made by Craft Industries, Inc., of Buffalo, and retails for about \$5 with all accessories needed for quick and easy installation.



TIRE-LIFTING TOOL. Changing wheels will be easier with this two-pronged device that simultaneously supplies lifting leverage and lines up the wheel holes with the proper bolts or lugs. Prong spacing can be adjusted to suit any automobile wheel. The T. E. D. Corporation, of Los Angeles, is the manufacturer of the new wheel changer.



TROUBLE LIGHTS.

Bright illumination for use in and around a car is obtained with lamps that can be plugged into cigar-lighter sockets. Two such devices are shown here, and similar ones have been announced by other manufacturers. Different mounting and reflector features include a magnetic clamp and a case that opens into a stand.

