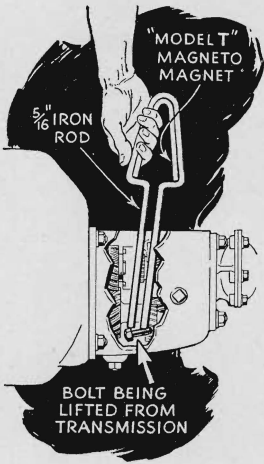
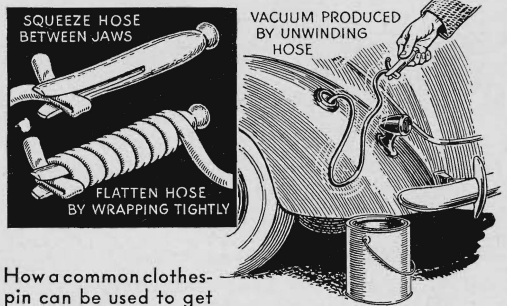


# AMATEUR MECHANICS



## Long Magnet Recovers Dropped Parts

MANY mechanics have had the time-wasting experience of losing a key, washer, or nut in a transmission box or other out-of-the-way place in a car. A long-reach magnet will get them out in a hurry. I made one from an old Model T magneto magnet, around which I shaped a length of  $\frac{5}{16}$ " iron rod as shown, leaving parallel extensions about a foot long and an inch apart. The assembly should be seasoned for about twenty-four hours before attempting to use it, to become thoroughly magnetized.—R. S.



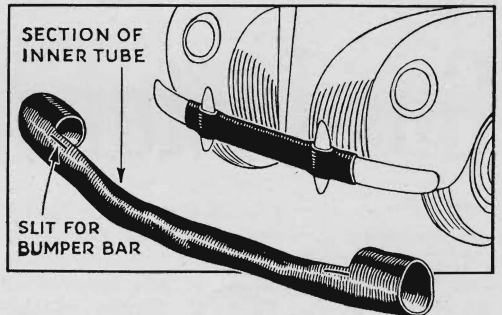
How a common clothespin can be used to get siphon action started

## Clothespin Starts Siphon

YOU can use a clothespin to start siphoning gasoline from a car tank, avoiding the danger of sucking poisonous chemicals into your mouth. Pinch one end of a rubber tube between the jaws of the pin, and wrap the tube tightly over the whole pin. Place the other end in the liquid and unwind the tube. It will quickly fill with gas.—L. W.

## Rubber Bumper Protector Is Old Inner Tube

BY CUTTING a length of old inner tube in the manner shown in the illustration at the right, you can make an effective bumper protector for your car. Folded and stored under or beside the spare wheel in your luggage trunk, it will always be available for slipping on the bumper when you are called on to push a friend's car with your own. You will find that it will protect the finish of both your bumper and his from ugly scratches.—E. H.



This pattern will make a guard for most car bumpers



Greasing the surface to keep paint from chipping off

## Grease Saves Fender Finish

WHENEVER I have to straighten out a banged-up fender that is not too badly mashed, particularly where the finish has not been chipped when the damage was done, I smear heavy cup grease on the outside of the fender. Then I go to work and hammer the metal back in shape in the usual way. I have found that when the fender is not too sharply dented, a refinishing job is seldom necessary after the greasing precaution has been taken, as the enamel is kept from cracking away from the metal by the heavy-bodied material.—D. M.