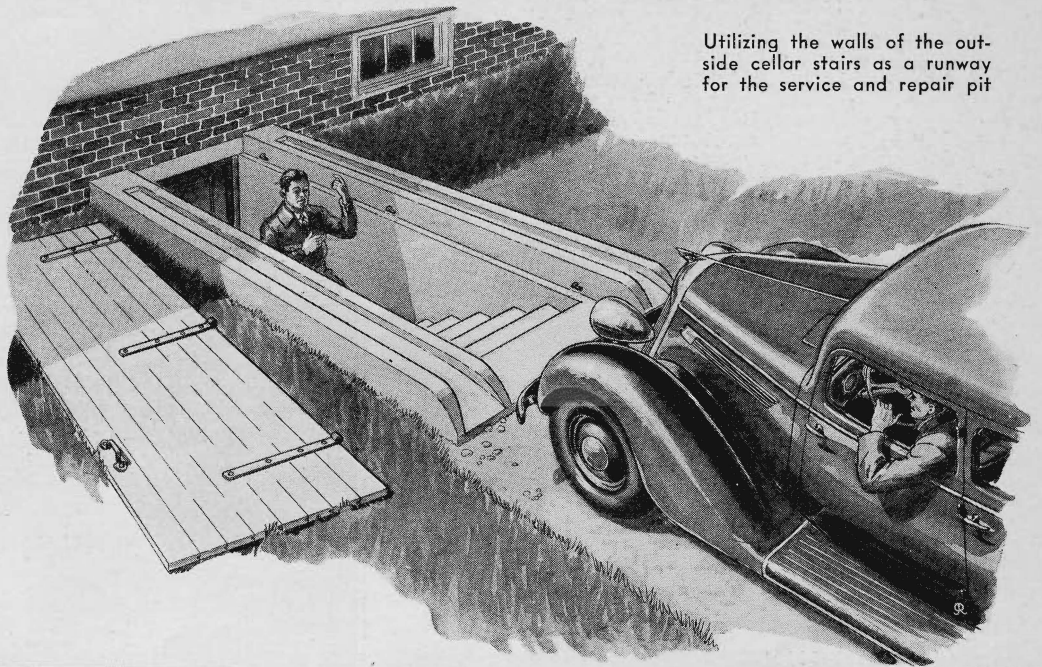


# Timely Aids for Motorists

WHEN building a new home or remodeling an old one, an outside cellar door can be constructed to serve as a convenient automobile repair pit. The concrete side walls of the stairway should be built so that their top surfaces can act as runways, leveling off at the ground to form a ramp for the car wheels. After the car has been driven up on the runways, the underside of the chassis can be reached for greasing or necessary repair work by means of the door leading out of the cellar of the house. In the drawing reproduced at the right, the cellar door is mounted on the side walls by special hinges so that it may be quickly and easily removed when the space below is needed for repairing or greasing a car.—A.H.W.



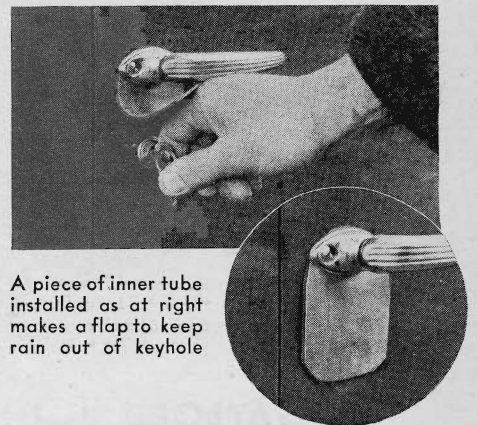
Utilizing the walls of the outside cellar stairs as a runway for the service and repair pit



Chain fastened to the spout carries off static electricity

## Gas-Can Chain Cuts Danger from Sparks

SERIOUS explosions and fires have occurred when a spark of static electricity ignited gasoline while it was being poured from a can into an automobile tank. To prevent this, it is a good idea to fasten a chain to the can nozzle so that it hangs down and makes contact with the car tank. Even when gas is being pumped through a service-station hose, it is well to be sure that the metal hose nozzle touches the metal of the tank, as a safety precaution against static sparks that might ignite the gasoline.—W.C.C.



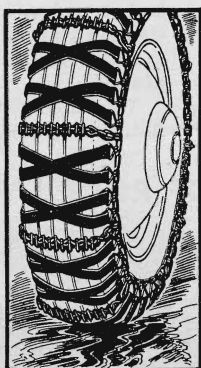
A piece of inner tube installed as at right makes a flap to keep rain out of keyhole

## Flap Ends Frozen Locks

TO KEEP door locks from freezing when a sudden cold snap follows a rainy spell, loosen the door-handle screws and place a strip of inner tube around the shaft so that it hangs down to protect the keyhole.—W. E. W.

## Combination Chains Do Double Duty

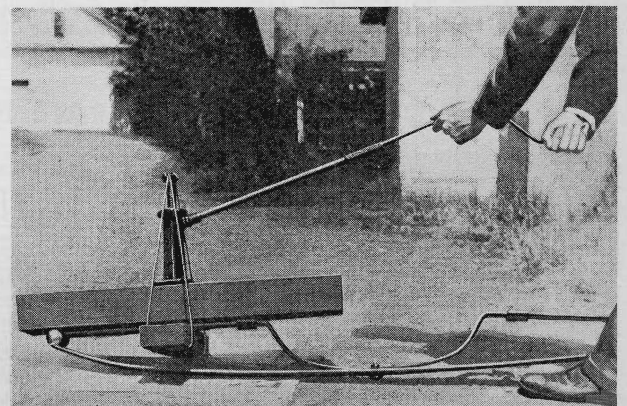
RUBBER and steel cross links can be combined to form a heavy-duty tire chain that provides excellent traction on ice and in heavy snow and has exceptional wearing qualities on city streets and portions of highways that are worn clear. To a set of rubber chains having X-type cross links, conventional welded-steel cross links are added at spaced intervals, as shown above.—A.C.R.



How the two types of links are combined

## Car Jack Straightens Bent Bumper Bars

A BENT bumper bar can be straightened easily by using an automobile jack in combination with a loop of heavy wire and two pieces of strong wood. One piece of wood is placed below the bar, and the other above, with the jack on the latter and the wire looped from the top of the jack under the lower section of wood, as pictured at the right.—P. W. S.



Operating the jack applies the force to straighten the bumper