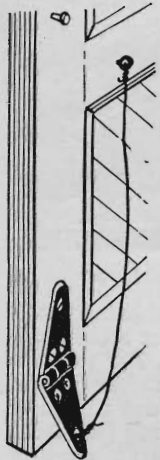


Useful Kinks for CAR OWNERS

Our Readers Supply Valuable Hints for All Who Work on Automobiles

IN RAINY weather or just after the car has been washed, closed-car window glasses often tend to stick and bind in the felt sash channels. This can be overcome by lowering the windows and greasing the guides with a small wedge shaved from a bar of white soap. The pointed end of the soap wedge is placed in the felt raceway and given a few strokes up and down, the full length of the channels. Unlike grease or oil, the white soap will not discolor or rot the felt.—A. J. H.

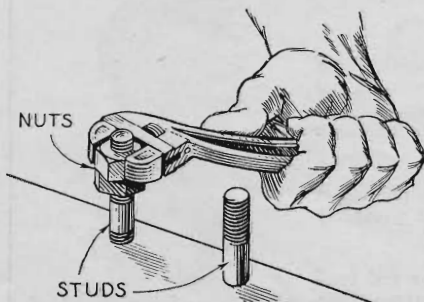
Hinges for Door Stops



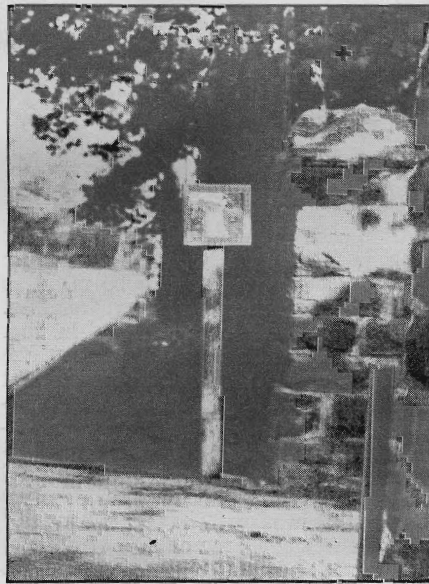
ORDINARY strap hinges can be used as cheap and efficient stops for swinging garage doors. As shown in the drawing, the hinge is placed so that the short leaf drops far enough below the lower edge of the door to catch in the ground or surface of the driveway. The flexible wire lift serves to hold the hinge leaf out of the way when it is not in use and also permits lowering the stop without reaching or stooping.—K. C.

To Remove Studs

BY LOCKING two nuts on a stud, you can replace it or remove it easily with an ordinary wrench. First, screw two nuts on the stud and lock them, one against the other, by using two wrenches. Then turn the lower nut to remove the stud or the upper nut in the reverse direction to replace it. One nut serves as a locking nut for the other in both operations. To remove the nuts, simply unlock them by placing a wrench on each and turning them in opposite directions.—H. F.



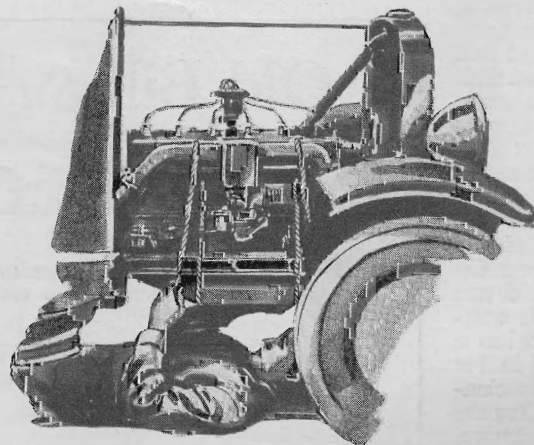
By placing a wrench on one of two nuts locked together, studs can be removed or replaced



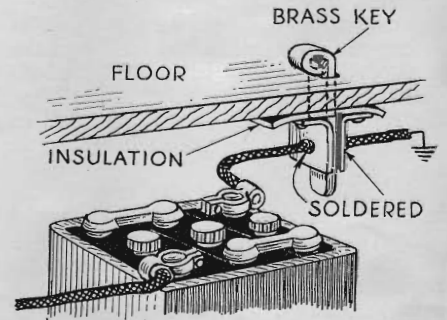
Mirror Reduces Danger

A MEDIUM-SIZED mirror, mounted on a pole outside of a blind driveway and adjusted to reflect the main road, is good insurance against accidents. When carefully adjusted, the mirror will give the driver of a car leaving the driveway a full view of the blind road in spite of fences, trees, and bushes that otherwise obstruct the view. If the drive enters the road at right angles, a mirror can be placed on each side. When a car reaches a certain point on the drive, a quick glance at each mirror will tell the driver the condition of the traffic in both directions.—G. E. K.

Putting a Crankcase Back in Place



THE JOB of putting a heavy crankcase back into place can be made a simple one-man affair by rigging a length of rope as shown at the left. One end of the rope is fastened to the frame of the car on one side and then placed under the crankcase. The other end is looped over the manifold on the opposite side of the engine and provides a simple pulley arrangement for lifting the crankcase. One hand can be used to pull the rope while the other is free to start the bolts. If the crankcase is long, two ropes can be used, one being placed at each end.—W. H.



Hidden Lock in Car to Thwart Thieves

AS AN added protection against thieves, you can equip your car with the simple hidden lock as shown above. The lock consists of a short strip of brass that completes the battery ground connection when it is pushed through a small rectangular hole in the floor boards under the driver's seat. Cut the ground cable in two and solder a one inch square of sheet copper to each end. These terminals are then fastened in place under the floor boards on each side of the key hole. A piece of inner tube should be used to insulate the terminals from the floor board. When the key is in place the ground circuit is complete but when the key is withdrawn no power can be obtained from the battery. While the metal contacts under the floor boards should be sufficient springy to grip the key tightly, they should not touch when the key is removed. Of course, this switch will control the entire electrical system, including lights.—R. S.