

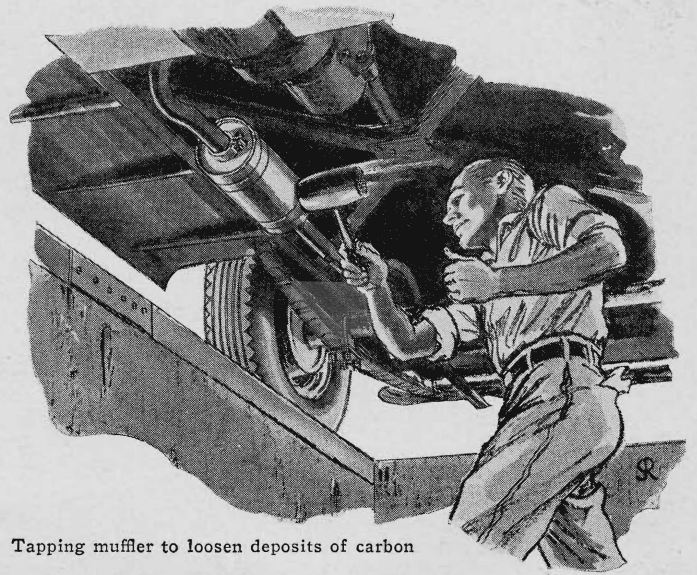
Short Cuts for Car Owners

*Our Readers Pass Along Six Kinks
That Have Helped Them To Keep
Their Automobiles in Condition*

CLEANING OUT MUFFLERS

AN EXHAUST muffler that is badly clogged or stopped up with carbon may cause power losses due to increased back pressure. After long service, the inner surfaces of the muffler become coated with deposits of carbon. These deposits can be loosened, to be later blown out through the tail pipe by

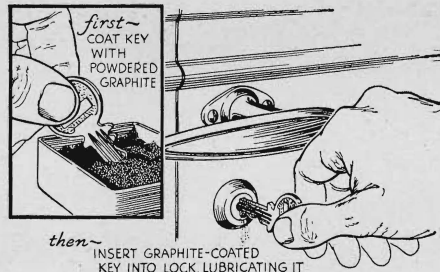
the force of the exhaust, by tapping the muffler with a mallet or a soft piece of wood. Strike sharp blows, but take care not to damage the outer jacket. When the tapping process is completed, start the engine and race the motor, accelerating it in short blasts to clean the system of the loosened particles.—E. N.



Tapping muffler to loosen deposits of carbon

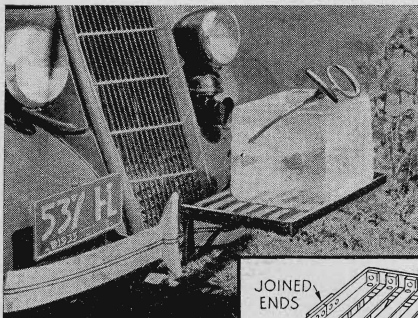
GRAPHITE LUBRICATES CYLINDER LOCKS

CYLINDER locks, like all assemblies of moving parts, require some form of lubrication. This is particularly true of the locks used on car doors, spare tires, and rumble seats. Powdered graphite provides ideal lubrication since it will not gum nor collect dust. Simply dip the key into a small quantity of graphite and then insert it in the lock. Repeat the process several times.—J. N.

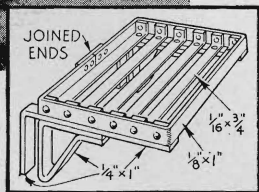


The way to lubricate a door lock pictured above can be applied to any cylinder lock

LUGGAGE CARRIER FITS ON BUMPER



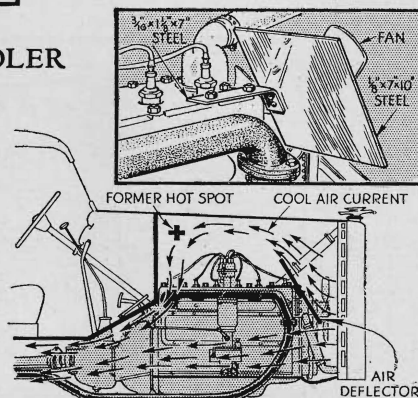
A handy carrying rack attached to the front bumper. It is made of scrap iron, after the plan shown in diagram



FOR carrying ice, suitcases, fishing tackle, and odd bundles, the auxiliary luggage rack shown has proved particularly useful. Made from scrap iron and assembled with stove bolts and rivets, it simply slips over the center section of the front bumper. Since no mounting bolts or other fastenings are required, the rack can be put in place or removed easily and quickly. When not in use it can be stored in the garage or strapped to the spare tire where it will be handy for use on short errands. Sample dimensions for a carrier that will fit the average small car are indicated in the drawing at the left.—E. S.

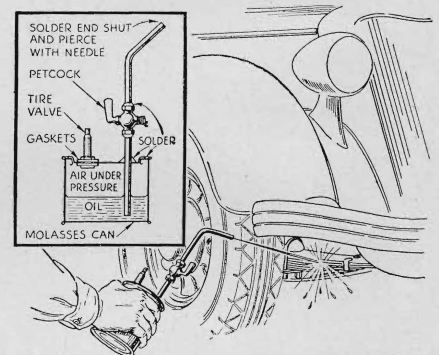
COWL AND FOOTBOARD COOLER

SUMMER driving can be made more pleasant by installing a wind deflector on the motor block of your car to increase circulation and drive out hot-air pockets. The deflector consists of a square of sheet iron mounted at an angle of forty-five degrees just in front of the exhaust manifold. The first two cylinder-head bolts can be used to hold it in place. The air then will be shunted upward as indicated by the arrows in the drawing, directing a strong circulation of cool air against the floor boards.—W. W. B.

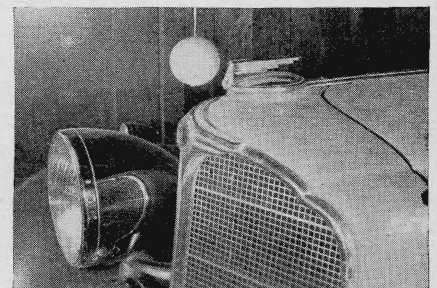


HANDY SPRING SPRAYER

FROM a tin can, a valve stem, some copper tubing, and a petcock you can assemble the handy spring sprayer illustrated. Several strokes of a hand pump will build up enough pressure to send a stream of old crankcase oil to any point on the chassis, without "getting under."—G. S. S.



An easy-to-assemble sprayer for chassis lubrication. Its pressure is built up by a hand pump



GARAGE PARKING GUIDE

IF YOUR garage is small, a telltale similar to the one shown will help you to drive your car in just far enough to clear the doors. It consists simply of an old tennis ball suspended on a string from the ceiling at a point directly over the front of the radiator cap when the car is in position. When parking, the car is simply driven in until the ball touches the cap.—J. R.