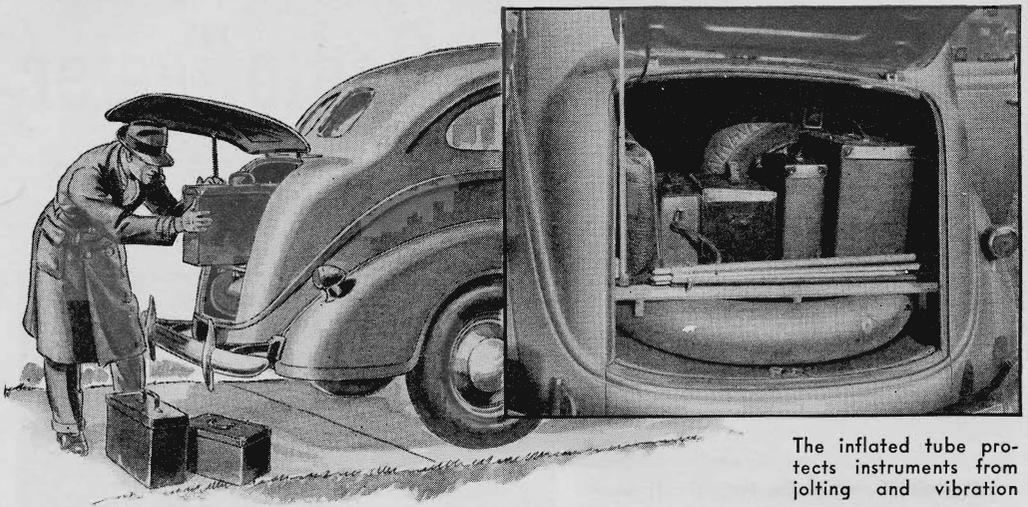


# Helps for the Motorist

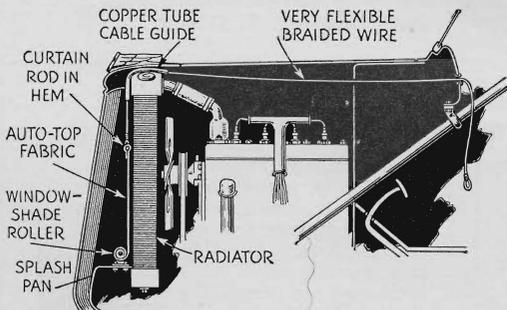


The inflated tube protects instruments from jolting and vibration

## Inner Tube Cushions Delicate Luggage

FRAGILE luggage such as cameras, surveying instruments, and other equipment that might be damaged in the trunk compartment of an automobile by the vibration of the car traveling over rough roads, can be protected against breakage by pil-

ing it on a light wooden platform resting on an old inner tube placed on the compartment floor. Adjust the inner tube's air pressure to the weight of the equipment, and vibration will be absorbed. When not in use, the tube can be deflated.—O. L. S.



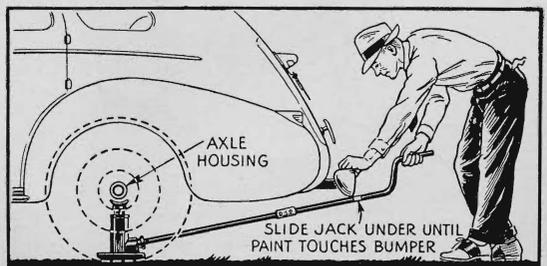
How screen is installed behind the radiator grille

## Roller Radiator Screen Controlled from Dash

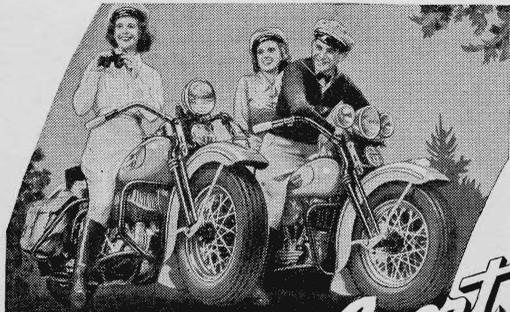
TO GET quicker warm-up in cold weather, I outfitted my car with a homemade device to control engine temperature. An ordinary window-shade roller was installed behind the radiator grille and in front of the radiator itself. To this I attached a strip of auto-top fabric so that it could be wound and unwound by means of a cable leading to the dashboard, as pictured at the left, thus controlling the flow of air.—H. S.

## Mark on Handle Shows Position for Jack

PLACING a jack directly under the rear-axle housing of a car is made easy by the simple expedient of painting a narrow ring around the long jack handle at the exact spot where it meets the rear bumper when the jack is in the correct position, as illustrated.—W. C. W.

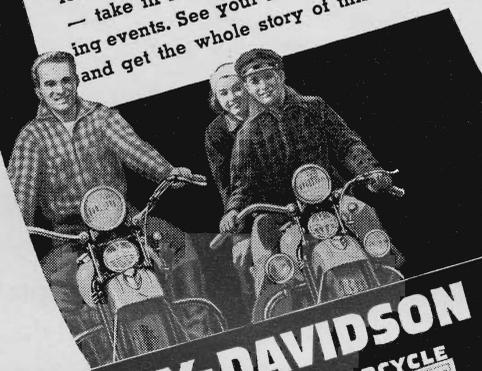


This stunt makes it easy to place the jack under the axle



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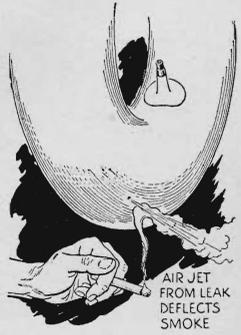


## Microscopists' Cement Hides Windshield Cracks

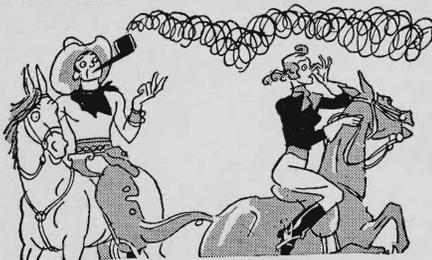
CRACKS and chipped-out places in automobile windshields can be repaired and sometimes rendered invisible with Canada balsam, obtainable at most drug stores and from dealers in microscope supplies. Apply the balsam to the damaged spot, and work it in with a toothpick if necessary. Let it pile up around the spot a little and after it has hardened, a process that make take several days, smooth it to the level of the glass with a razor blade. Balsam has about the same index of refraction as glass, and therefore makes practically invisible any hole or crack in glass that it fills. The material may be thinned, if required, with xylol, turpentine, lacquer thinner, or other solvent, and for best results should be applied on a warm day.—W. E. B.

## Cigarette Smoke Finds Leak in Inner Tube

A BURNING cigarette can guide you in locating a leak in an inner tube, in case it is not convenient to dip the tube into a tub of water. The cigarette is moved around the surface of the inflated tube, until the air jet from the leak deflects the rising smoke. Make sure, before using this method, that there are no strong air currents in the room where it is being done.—R. B.



## SMOKY JOE HAD THE DAMSEL IN DISTRESS!



"GIDDYAP, NAPOLEON! Looks like this Romeo is trying his darndest to smoke us out. Phew! His tobacco smells like the backfire from Pa's flivver!" Just then



UP RIDES A RANGER, sniffs the pipe, says to clean it and refill with *mild* Sir Walter, a burley blend famous for aroma. It worked! Joe won her back!

**New!**

**CELLOPHANE TAPE**

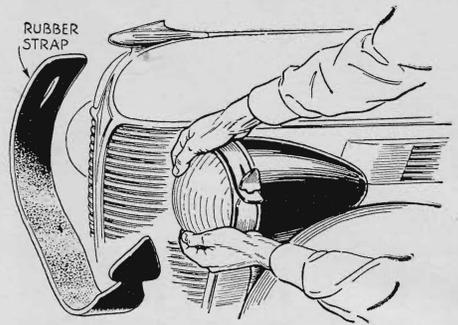
around lid seals flavor in . . . brings you tobacco 100% factory-fresh!



**IT SMOKES AS SWEET AS IT SMELLS**

TUNE IN—Sir Walter Raleigh "Dog House." Every Tuesday night, coast-to-coast, NBC Red Network.

## Rubber Strap Simplifies Removing Headlamp Rim



LOOSENING and removal of lens rims from headlights on cars several years old is simplified considerably if a tongue strap cut from an old inner tube is employed in the manner shown in the sketch above. The strap is stretched around the lens rim and the tongue slipped through the slit to hold it firm while the lens is being removed from the lamp.—G. E. H.

## Compass Test Reveals Cracked Battery Wall

WHEN you are having starter or battery trouble in your car, it's a good thing to remember that a sudden jar, such as a battery would receive if accidentally dopped when being installed, will frequently crack the separator between two cells. The outside of the battery case will not reveal this but you can determine the fact easily with the aid of a compass. Place it on the lead strap connecting first one set of cells and then the other. If a separator is cracked, the compass needle will be deflected at right angles to the connecting strap between the cells. If you do not get this reaction, you must look for the trouble elsewhere.—E. J. N.

COMPASS NEEDLE AT RIGHT ANGLES TO CONNECTOR STRIP INDICATES A BROKEN PARTITION BENEATH IT

