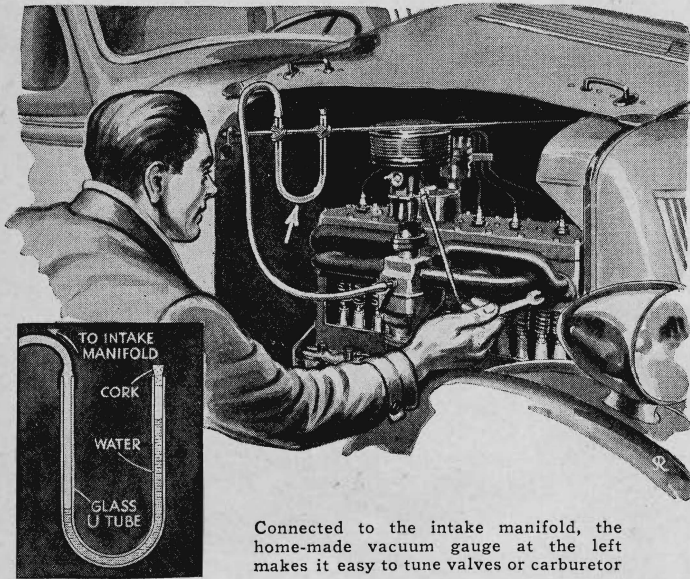
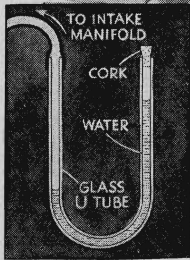


# Six Kinks for Car Owners

*One of These Timely Suggestions, Contributed by Other Readers, May Help You To Solve a Vexing Problem in Driving or Caring for Your Auto*



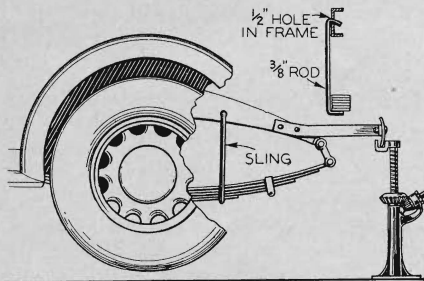
**T**O SIMPLIFY the job of adjusting the idling speed and setting the valves on my car, I devised the professional-type vacuum gauge shown at the left. It consists simply of a 1/4-inch-bore U tube with one leg sealed with a cork or sealing wax and filled with enough water to bring the level up to within about one inch of the sealed end. In use, the open end is connected to the car's intake manifold through a length of rubber tubing. When the motor is started, the vacuum created in the manifold will pull the water down in the sealed leg. The carburetor idling adjustment then should be regulated for maximum deflection, and the valves adjusted for uniform deflection in each set (intake and exhaust) when feeler gauges are inserted.—E. A. W.



Connected to the intake manifold, the home-made vacuum gauge at the left makes it easy to tune valves or carburetor

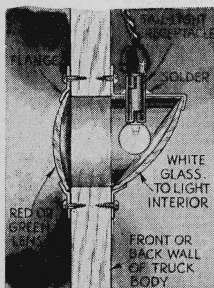
## Metal Sling for Springs Aids In Jacking Car

WHEN using a bumper-type jack, it is often necessary to raise the car body a considerable distance before the wheel is lifted free of the ground. An easily made spring sling, as shown below, solves problem easily. The hook-shaped piece of 3/8-inch steel rod is placed under the spring and hooked into a hole in the car frame. The sling should be long enough to go into place easily.—H. J.



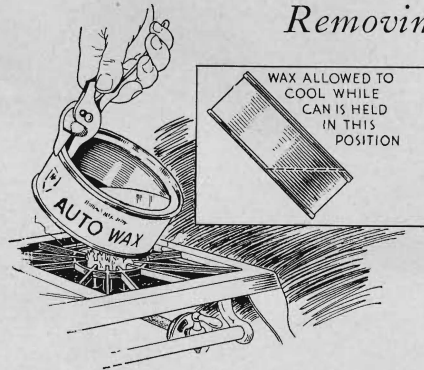
The spring sling, and how it is put in place

## Double-Purpose Light for Auto Trailers



the rear wall of the trailer body. A square of frosted glass mounted at an angle in the lamp housing allows the light to be reflected inside the body.—R. L.

Owners of small trailers and trucks can provide a handy interior light by making their safety tail lights do double duty. As illustrated, the combination light consists of a single bulb mounted behind a red-glass window fitted into a hole cut in

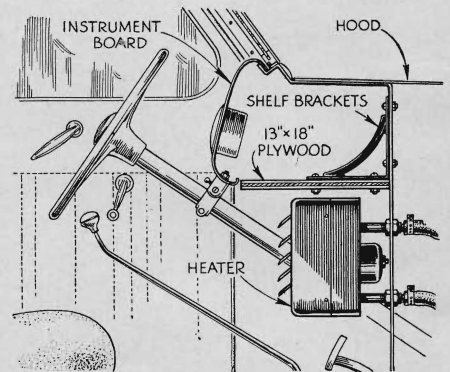
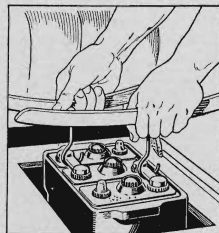


## Removing Wax Polish from Cans

BY HEATING the can gently, you can reclaim that last hard-to-get-at ring of polish that always forms in an almost-empty container of automobile wax. Hold the can over a gas flame, being careful to keep the temperature below the point where the wax smokes. When all the wax has melted, tip the can and hold it in that position until the polish cools and hardens. Having collected along one side of the can, the wax is in a position to be scooped out easily with the polishing rag.—W. A.

## Wooden Coat Hangers form Battery Lifter

A FEW weeks ago, it became necessary for me to lift the battery out of my car. Not having a regular battery lifter handy, I rummaged through my tool box for something that would serve the purpose. After several unsuccessful tries with pliers, screw drivers, and wrenches, I hit on the idea shown at the right. Borrowing two coat hangers from our hall closet, I slipped the wire hooks under the short metal connection strips between the battery cells and used the curved wooden portions as handles. The battery came out so easily that since then I have reconstructed two coat hangers by cutting several inches from the ends of the wooden strips to form short handles, which I then taped. They now form a valuable addition to my repair kit. An even more convenient lifter could be made from two coat-hanger hooks attached to a single wooden handle.—H. B.



## Deflector Under Dash Improves Car Heater

BECAUSE of its position under the dashboard, an automobile hot-water heater often wastes a large portion of its heat. Rising from the heating core, the warm air becomes trapped under the dash. To overcome this, a panel of plywood or metal should be installed directly over the heater, as indicated above. Serving as a deflector, the panel will prevent the warm air from becoming trapped behind the instruments and will direct it out into the car where it is needed. A pair of large shelf brackets or angle irons can be used to fasten the panel to the cowl wall as suggested in the drawing.—E. A. W.