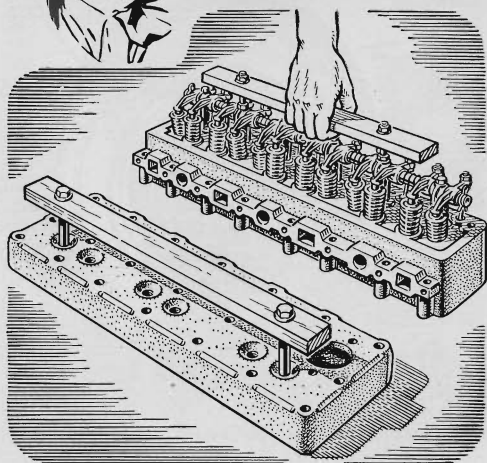
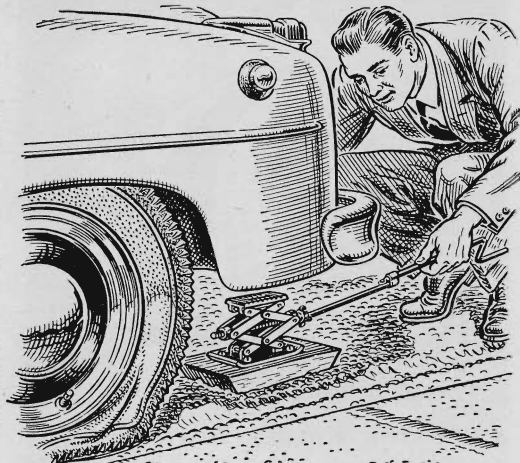




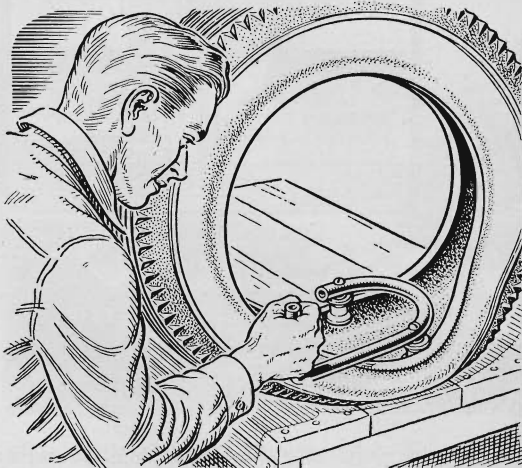
Hints from the Model Garage



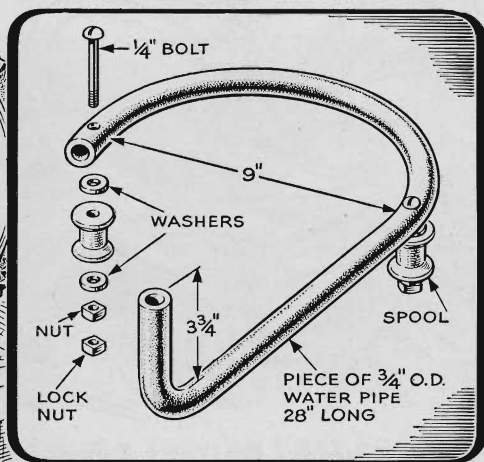
Lifting an Engine Head. A cylinder head is always a clumsy object to handle. A wood lifting bar makes the job easier. For an overhead-valve engine, drill holes in the bar to suit the studs that hold the rocker-arm cover. For a big L head, run bolts through properly spaced holes and thread into the end spark-plug holes.



Block Keeps Jack Stable. Most jacks tend to tip over while being cranked up to the axle or jack pad. To prevent this, Clinton B. Casler, of North Westport, Mass., drilled four holes in the base and attached a block of wood to it with screws. Such an enlarged base also gives the jack a firmer footing on soft ground.



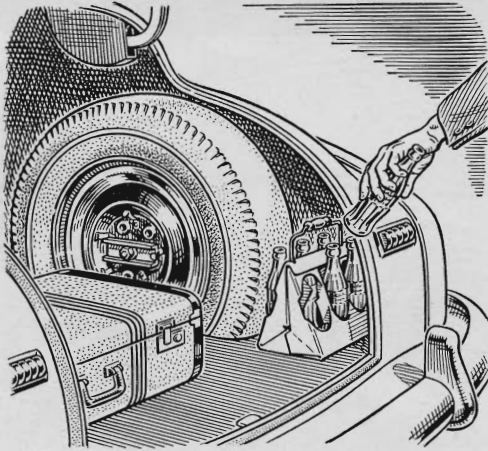
Tire Spreader from Scrap. If you run a repair shop, the convenience of this tire spreader will soon pay for the trouble of making it. Cut a piece of water pipe to 28" length. Bend one end to a 9" arc. The excess serves as a handle. Mount



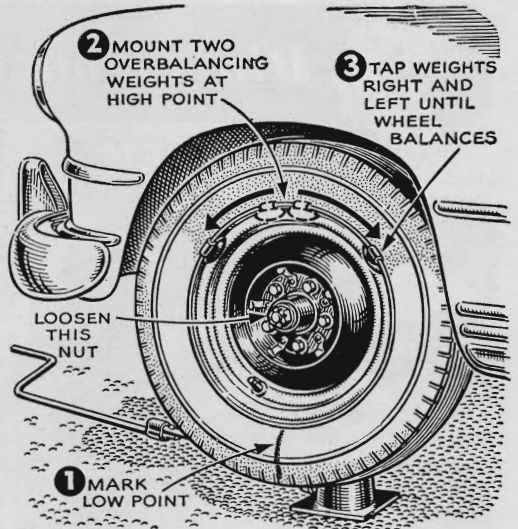
two thread spools in the locations shown, leaving them free to revolve.

To use the tool, insert the spools into the casing, allowing them to rest against the bead on opposite sides. To spread the casing, move the handle inward.

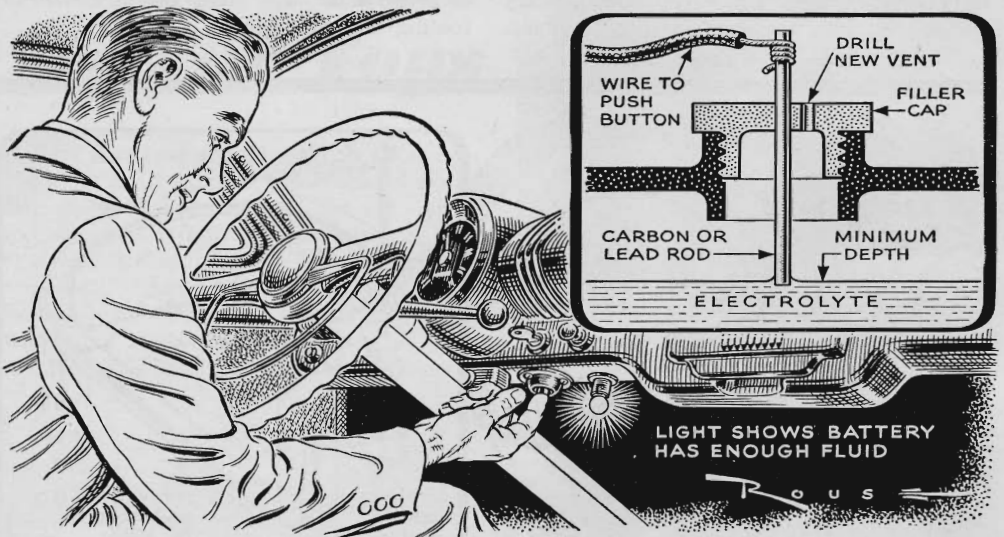
MORE Hints from the Model Garage



Carrying Empty Bottles. If you consume a lot of cold drinks while traveling during the summer, you're apt to collect quite a few deposit bottles. To store these, keep a 6-bottle carry carton in the trunk compartment and they won't rattle around.



Balancing a Wheel. Paul L. Bratrain, of Azusa, Calif., suggests you mount the wheel in front, loosen the bearing nut, and spin it to find the low (heavy) point. Then proceed as shown. At the high point, the weights must overbalance the low side.



Light Checks Battery Level. To keep tabs on his battery electrolyte level during long, hot drives, Lawrence Avery, of Washington, D. C., installed a system like this. When you press the button, the bulb lights only if the fluid is still up. You can rig such a system by mounting and grounding a 4-volt bulb on the dash.

Connect the other bulb terminal through a push-button switch to a carbon or lead rod set in the filler cap nearest the ungrounded side of the battery. When the electrolyte level falls below the rod tip, the light circuit is broken. As a precaution, keep the electrolyte level a little higher in the other two cells.