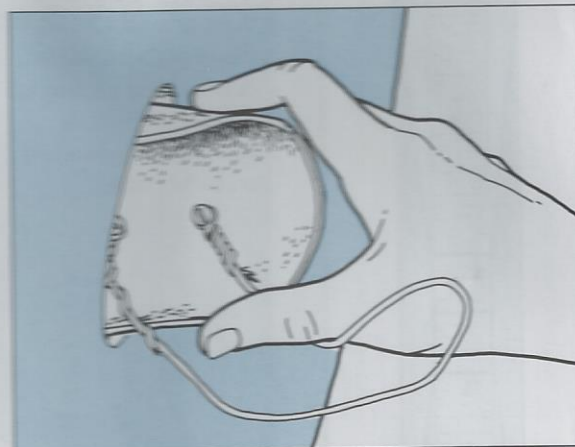
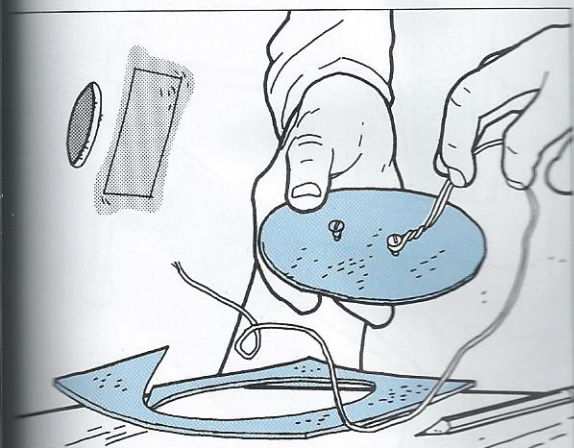


## NO INSIDE ACCESS

Often there is a liner or a tank or some other interior obstruction in the damage area that denies you access to the inside of the hull. Except for the need to take extra care when cutting out the dam-

aged section and the effect working from the outside has on the size of the repair requiring finish work, lack of inside access isn't a very big problem.



1 Using epoxy resin and two layers of 10-ounce cloth, lay up a backer piece on a waxed and release-coated section of the hull near the damage.

2 When the backer is thoroughly cured, peel it up and trim it to 1 inch larger than the hole. Screw two sheet-metal screws into the backer and twist the ends of a length of wire to the screws to provide a loop handle.

3 Dewax the inside of the skin around the hole by reaching through the hole with a solvent-soaked rag. Sand the dewaxed area with 50-grit paper, again by reaching through the hole. Scrub (with water) and sand the handled surface of the backer.

4 Bend the backer slightly and push it through the hole, holding on to the wire loop. No bending will be necessary if the hole is oval shaped.

5 Thicken a small amount of epoxy to peanut butter consistency with colloidal silica, and butter it onto the perimeter of the backer. Center it and pull it tightly against the opening. Hold it in position with a string tied from the loop to some fixed object. Wipe up all the epoxy that squeezes out and let the bond cure completely.

6 Remove the screws and proceed with the repair as described above.

