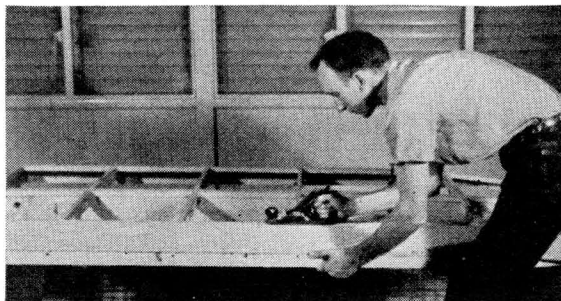
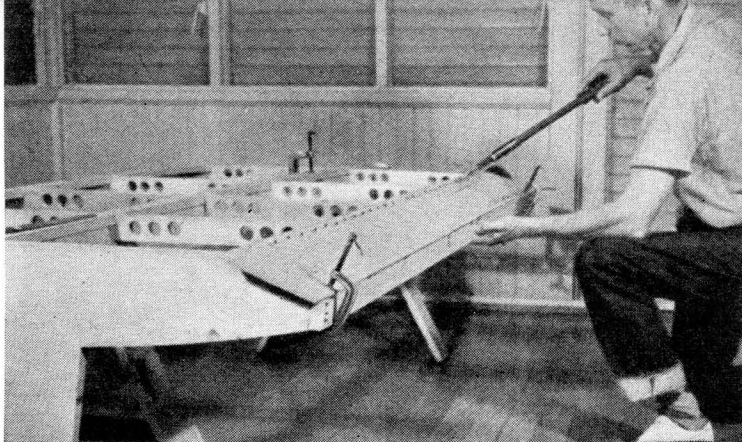
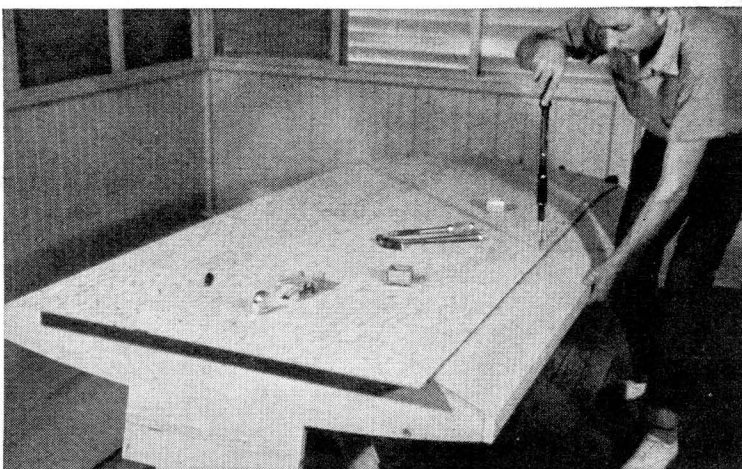


Beveled planking. The three parts of the bottom planking are cut from one 4' by 8' panel of $\frac{1}{4}$ " marine plywood. Be very careful in ripping this panel; it makes the bottom planking with very little waste. Rip two strips $6\frac{1}{2}$ " wide off the panel. These narrow pieces are attached to the frames, chines, and transom, as shown at right. Apply a liberal coat of marine glue to frames and chines. Then clamp the plywood in place. Attach to all frames, chines, and transom with 1" No. 6 screws. Space the screws 2" apart.



Trimming beveled planking. After all screws have been driven into the two narrow pieces of beveled planking, saw off the excess material at the ends of the strips flush with the back of the transom and around the curve of the bow. Hold a plane so its bottom is parallel with the side of the outer chine batten and trim off the edges of each strip until it is flush with the outside of the outer chine batten. Follow the same procedure where the plywood is attached to the lower chine batten, planing it flush as shown in the photo at left.

Bottom planking. This is what remains of your 4' x 8' panel of $\frac{1}{4}$ " marine plywood. Apply marine glue to the transom, battens, and frames. Place the bottom in position and clamp it to the bow block. Use 1" No. 6 brass screws 2" apart to attach the bottom. Drive screws along the keel batten first. Then drive screws along the lower chine battens, as shown in the photo at right. Saw off the excess material at the transom and bow. Do not bevel the outside edges of this piece of plywood. Leave it square. Finally, sand the entire bottom. Start with No. 1 paper and finish with $\frac{1}{2}$ and 1/0 paper. Brush a coat of spar varnish over the bottom, outer chines, and transom. This first coat should be thinned with turpentine.



Deck beams and battens. With the bottom finished, turn the boat over. Bolt the deck beams to the frame with $\frac{1}{8}$ " by $2\frac{1}{4}$ " brass carriage bolts. Use $\frac{3}{8}$ " No. 5 screws and glue to attach the vertical supports to beams No. 2, 3, and 4. You can see these supports in the photos below. Two deck battens run the length of the boat.

The center batten runs from deck beam No. 2 to the bow. Fit all three in their notches with glue and attach them with 1" No. 6 screws. The ends of the battens are beveled where they meet the bow block. Use a plane and sandpaper to see that battens fit flush with beams. Coat inside of hull and beams with spar varnish.

