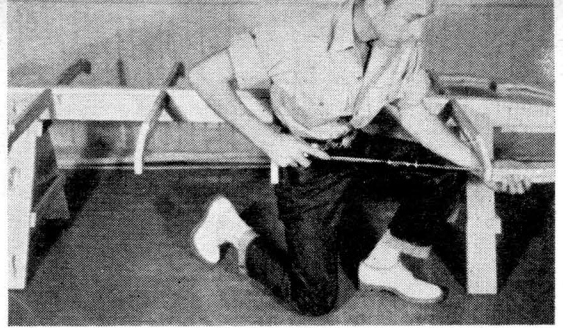
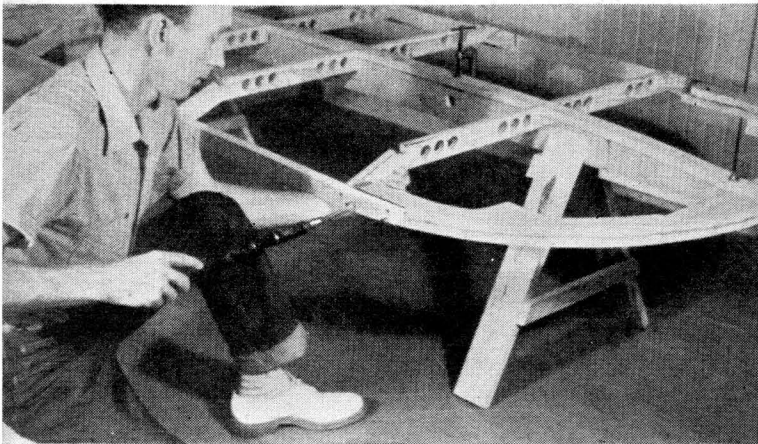


Keel-batten assembly. After ripping the keel batten to size, cut one end of it to a 10° angle where it meets the bow block. Lay the bow block on the floor, bottom up, as shown above. Support the keel batten and attach it to the bow block with waterproof glue and two 1" No. 6 and two 1½" No. 8 screws. Then place the frames in their notches on the jig. Clamp the transom to the support that you have nailed to the stern end of the jig.

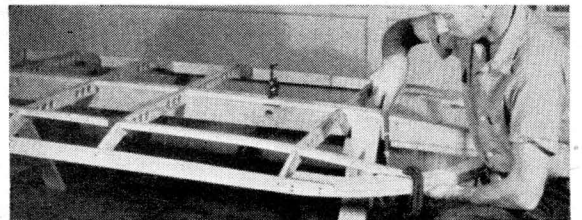


Bow-block and keel-batten assembly. Pick up the assembled bow block and keel batten and place the block on the framing jig. Clamp the bow block in position. Apply the marine glue to the center notch in each frame. Bend the keel batten down into the notches and clamp it. Then fasten the keel batten with two 1½" No. 8 screws into each frame. Attach the bow block to frame No. 1—as shown above—with waterproof glue and 1½" No. 8 screws.



Outer chine-batten assembly. Mark the exact location of each frame on the outer-chine battens. Then when they are attached, the frames will be correctly placed. Excess material may be left on the stern end of the battens and sawed off after assembly. Taper the outer chine battens from 2" at frame No. 2 to 1½" at frame No. 1. Do the tapering on the bottom of these battens. The deck side remains perfectly straight. These battens extend 6" in front of frame No. 1, and are faired into the bow block. Attach the outer chine battens to the transom and to each frame, as shown in the photo at left, with marine glue and two 1½" No. 8 screws. Add two 1" No. 6 screws where the battens meet the bow block.

Lower chine-batten assembly. One end of these battens must be beveled 10° to fit the bow block. Apply marine glue there and clamp the beveled ends to the bow block. Then anchor the ends to the block with three 1" No. 6 screws, as shown in the photo at right. Use glue and 1½" No. 8 screws to fasten these battens to their notches in the frames and to the transom. Put one screw into each notch.



Finishing the frame assembly. The final step before applying the bottom planking is beveling and trimming the outer and lower chines but not the keel batten. Then the bottom planking will fit evenly. Go over the members with a

plane—as shown below—to make sure the planking will fit snugly. Center photo shows you a bow view of the completed frame assembly, while the photo at right shows a stern view. Note holes in frames to lighten hull.

