decking pieces, which are 12\(\frac{1}{2}\) in. by 2 in. by \(\frac{1}{4}\) in. balsa sheet panels onto which the aft deck shape is marked. Cement in position leaving a gap between them of 3 in. When set, trim down to the correct outside shape and cut away for the cockpit, to the 'sticks' previously marked on these panels. (Photo 3)

**Step 7** Now fair in the sides carefully with a sandpaper block so that the edges of the deck and bulkheads blend together. At the same time the edges of bulkheads 1, 2, 3 and 4 must be chamfered to blend with the curvature of the deck—Fig. F, and photo 4

**Step 8** Cut two 20 in. lengths of 3 in. by \(\frac{1}{4}\) in. balsa sheet. These are cemented in place as shown in Fig G, finishing at the front so that they overlap half the thickness of bulkhead 2. When set, trim down close to the deck and bottom of the chine shelf. (Photo 5)

**Step 9** The remaining part of each side between bulkhead 2 and 3 is then covered with a 3 in. wide piece of \(\frac{1}{4}\) in. sheet with the grain running vertically—Fig. H. You will have to offer this piece up in position and cut and trim for an exact fit. When satisfied, cement securely in place. Trim off surplus sheet when set.

**Step 10** Cut two bow blocks, each 2\(\frac{1}{2}\) in. long from 2 in. square balsa block. Now trim their height so that they fit exactly into the space between the deck and chine shelf alongside the bow piece and forward of bulkhead 1—see Fig. I. Then taper to the stem profile shape, as shown, and cement in place.

**Step 11** The whole assembly should now be left for several hours for the cement to set (preferably overnight). Then you can carve and sand the bow blocks down to final shape—Fig. J—and also sand off any surplus side sheeting from \(\frac{1}{4}\) in. sheet balsa, using the full outline of the deck panel and the bottom line of the chine shelf.

**Step 12** Mark and cut out the keel piece from \(\frac{1}{4}\) in. sheet balsa and then separate into two pieces by sawing along the angled line marked 'cut'. Cut the two doublers from \(\frac{1}{4}\) in. sheet and mark on the lines indicated in pencil. Now assemble by cementing together as shown in Fig. K with a space of \(\frac{1}{4}\) in. between the two parts of the keel piece, taking special care to position the doublers so that the rear edge of each doubler corresponds to the front line of bulkhead 6A position (i.e. \(\frac{1}{4}\) in. from the extreme end of the keel).

**Step 13** Lay the keel piece over the plans and mark the positions of formers 2A, 3A and 5A on each side of the keel assembly. Then cement the keel piece to the bottom of the chine shelf as shown in Fig. L.

**Step 14** Cut all the triangular formers (two each of 2A, 3A, 4A, 5A, 6A and 7A) from \(\frac{1}{4}\) in. sheet balsa, using the full size drawings given on the plan. Cement in position as shown in Fig. M.

**Step 15** When set, fair off the bottom edges of the sides from former 2A first so that the sloping edges and bottom edge of the sides line up, as shown in Fig. N. Use a sanding block or a sanding stick for this job. Now fit the \(\frac{1}{4}\) in. doubler behind former 2A.

**Step 16** For covering the bottom you need two panels of \(\frac{1}{4}\) in. balsa 19\(\frac{1}{2}\) in. long by \(\frac{3}{4}\) in. wide. You can buy \(\frac{1}{4}\) in. wide sheet for this, or work as follows. Cut two 19\(\frac{1}{2}\) in. lengths of 2 in. by \(\frac{1}{4}\) in. sheet and one 19\(\frac{1}{2}\) in. length of 3 in. by \(\frac{1}{4}\) in. sheet and cement together edge to edge. When dry, cut down the centre to give two \(\frac{3}{4}\) in. wide panels. Chamfer one edge of each panel and cement the bottom panels in place as shown in Fig. O. Don't remove too much balsa in the chamfering operation—as a \(\frac{1}{4}\) in. sheet is just wide enough!

**Step 17** Trim off the bottom sheeting square and flush with the sides, Fig. P.

**Step 18** Cut two 3 in. lengths from 2 in. by \(\frac{1}{4}\) in. balsa block and cement in position as shown in Fig. O. When set, carve and sand down to final shape to blend with the hull lines.

**Step 19** Cut the plywood transom (part 7B) and cement to the rear of bulkhead 7, as shown in Fig. R.