

Right: The completed deck. Note how the end of the deck stringer is tapered and beveled to fit between the gunwales.



and prevent wear in the covering.

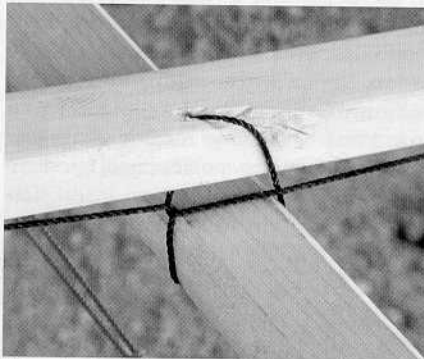
In the cockpit deck beams, drill two $\frac{3}{16}$ " holes, $\frac{1}{2}$ " in from the sides and 1" in from the gunwale. Drill 2 gunwale holes as above.

Ensure that your twine is long enough to make a continuous lashing from cockpit to bow or stern (about $1\frac{2}{3}$ the finished length). Make a loop of twine using a bowline. Run the twine through the masik or itivik from the underside, snugging the loop up to the drilled hole. Working forward from the masik, or aft from the itivik, lash the deck beams to the gunwales in one continuous line (see below). Once you master the first loop, the lashing pattern becomes self-evident. Start with a loop, go up through the masik (or itivik), over the gunwale, through the hole to the inside and through the loop. Take the twine through the second gunwale hole, over the gunwale, down through the masik (or itivik) and under the twine (as illustrated). Snug first toward the loop and then pull in the opposite direction. Continue lashing in the same manner: through to the outside of the gunwale, back to the top of the gunwale, through the deck beam, and under the twine. Make sure the lashing is snug at each station.

Preparing the Deck Stringers

Sand both deck stringers, rounding the upper edges. Thinning the forward deck stringer toward the masik will allow the stringer to follow the curve with ease. Plane from between deck beams #9 and #10 to the masik. Thickness should now be about $\frac{1}{2}$ ".

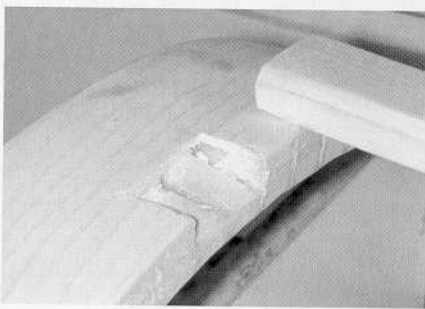
Cut the masik mortise for the deck stringer with a $\frac{3}{4}$ " chisel. Make the mortise deeper at the forward side to accommodate the angle of the stringer. When the stringer is in place, fair it with the top



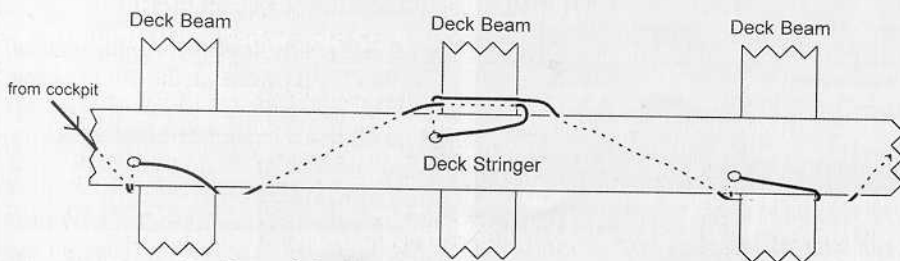
The deck stringers are secured to the deck beams with a continuous lashing. Note the notch that will keep the lashing from protruding into the skin.

of the masik. Lay the aft deck stringer in place.

Drill two vertical holes through the deck stringer and masik or itivik. At the other deck beam/stringer intersections, drill one hole through the stringer only, on the cockpit side of the deck beam. The holes should alternate, from one side of the stringer to the other. Cut shallow grooves in the stringer to lay in the twine.



The forward deck stringer will have its end tapered on the bottom to fit a notch cut into the masik.



Lashing of the Deck Beams and Deck Stringer

Cut a length of twine equal to $1\frac{2}{3}$ the length to the bow (stern). Begin the lashing at the masik (itivik) with a bowline as you did for the deck beam/gunwale lashing. Lash toward the bow (stern), laying the twine in the grooves. Fasten the twine to itself with 2 half-hitches. At the bow,

Ribs			
Station	Width of Bottom*	Length of Arms*	Total Length
1	2 struts	2 $\frac{7}{8}$ " (2)	3 $\frac{7}{8}$ " **
2	2 struts	5 $\frac{1}{8}$ " (2)	6 $\frac{1}{8}$ " **
3	2 struts	6 $\frac{7}{8}$ " (2)	7 $\frac{7}{8}$ " **
4	2"	8"	20"
5	4 $\frac{1}{4}$ "	7 $\frac{1}{4}$ "	20 $\frac{3}{4}$ "
6	5 $\frac{3}{4}$ "	7"	21 $\frac{3}{4}$ "
7	7 $\frac{1}{2}$ "	6 $\frac{7}{8}$ "	23 $\frac{1}{4}$ "
8	9"	7 $\frac{1}{8}$ "	25 $\frac{1}{4}$ "
9	11 $\frac{1}{4}$ "	7 $\frac{1}{4}$ "	27 $\frac{3}{4}$ "
10	13"	7"	29"
11	14 $\frac{3}{4}$ "	6 $\frac{7}{8}$ "	30 $\frac{1}{2}$ "
12	16"	6 $\frac{1}{2}$ "	31"
13	16 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	31 $\frac{1}{2}$ "
14	17"	6 $\frac{1}{2}$ "	32"
15	17"	6 $\frac{1}{2}$ "	32"
16	17"	6 $\frac{1}{2}$ "	32"
17	17"	6 $\frac{1}{2}$ "	32"
18	17"	6 $\frac{1}{2}$ "	32"
19	17"	6 $\frac{1}{2}$ "	32"
20	16 $\frac{7}{8}$ "	6"	30 $\frac{7}{8}$ "
21	15 $\frac{3}{4}$ "	5 $\frac{1}{2}$ "	28 $\frac{3}{4}$ "
22	14 $\frac{1}{2}$ "	5 $\frac{1}{8}$ "	26 $\frac{3}{4}$ "
23	12 $\frac{1}{4}$ "	4 $\frac{1}{2}$ "	23 $\frac{1}{4}$ "
24	9 $\frac{1}{4}$ "	3 $\frac{5}{8}$ "	18 $\frac{1}{2}$ "
25	3 $\frac{1}{2}$ "	3"	11 $\frac{1}{2}$ "
26	2 struts	1 $\frac{1}{8}$ "	2 $\frac{1}{8}$ "

* To middle of kerfs
** Total length for each of two pieces