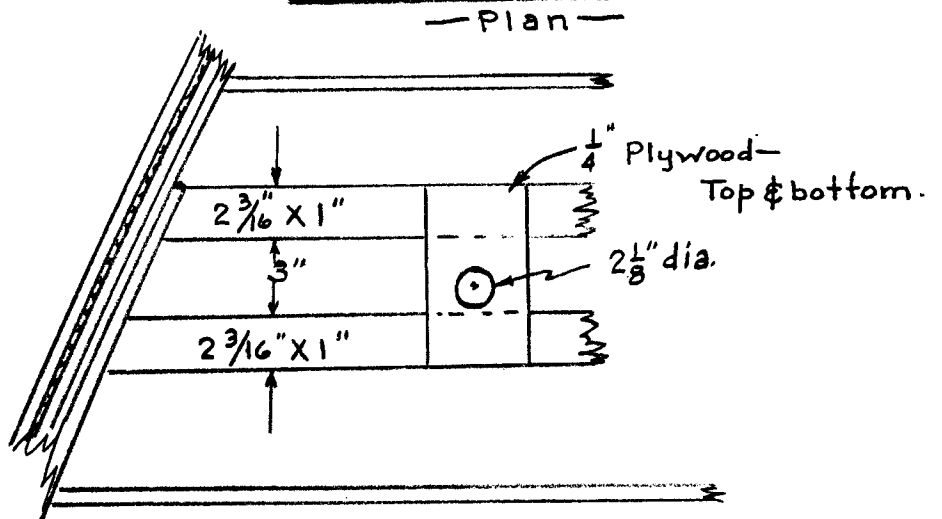


NOTE: THESE DETAILS ARE PRESENTED AS SUGGESTIONS IN EVENT STIFFENING OF THWART AND TRUNK ARE DESIRED. ALL JOINTS GLUED.

NOTE:

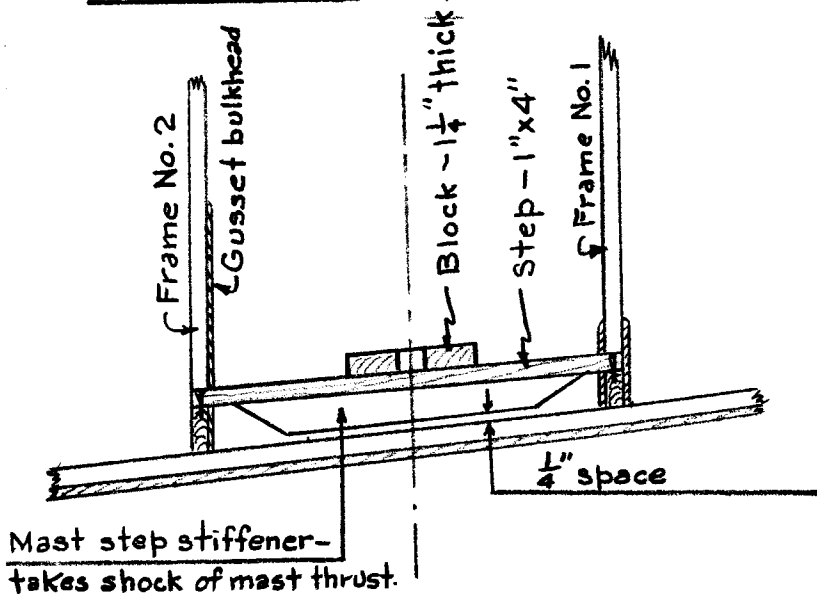
THE MAST PARTNER MUST BE $5\frac{3}{4} \times \frac{3}{4}$, OR, EQUIVALENT X-SECTION;
THE MAST MUST PASS THRU THE PARTNER. SHOWN BELOW
IS A LEGAL VARIATION OF THE MAST PARTNER.

MAST PARTNER-(ALTERNATE).

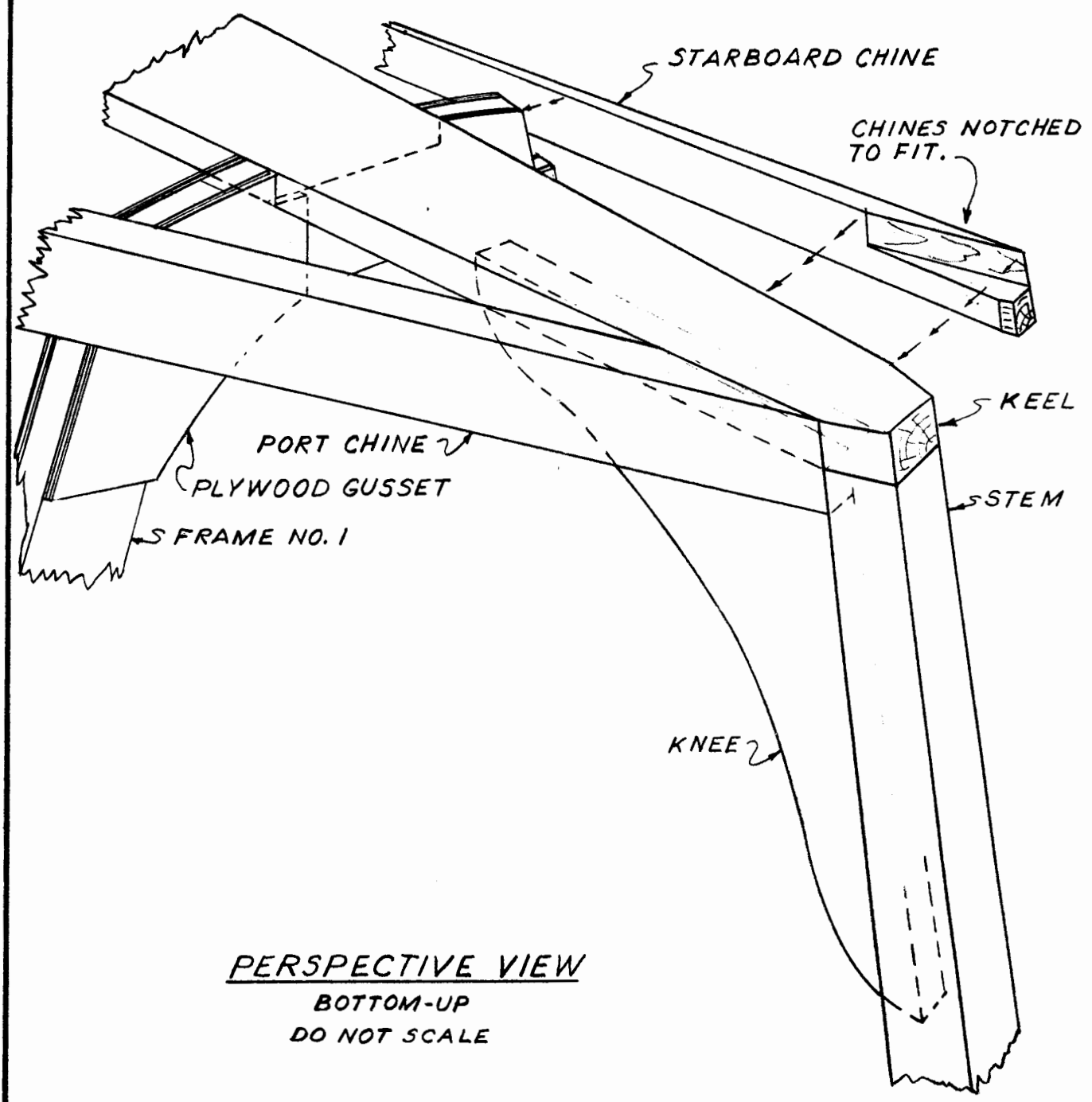


~ No Scale ~

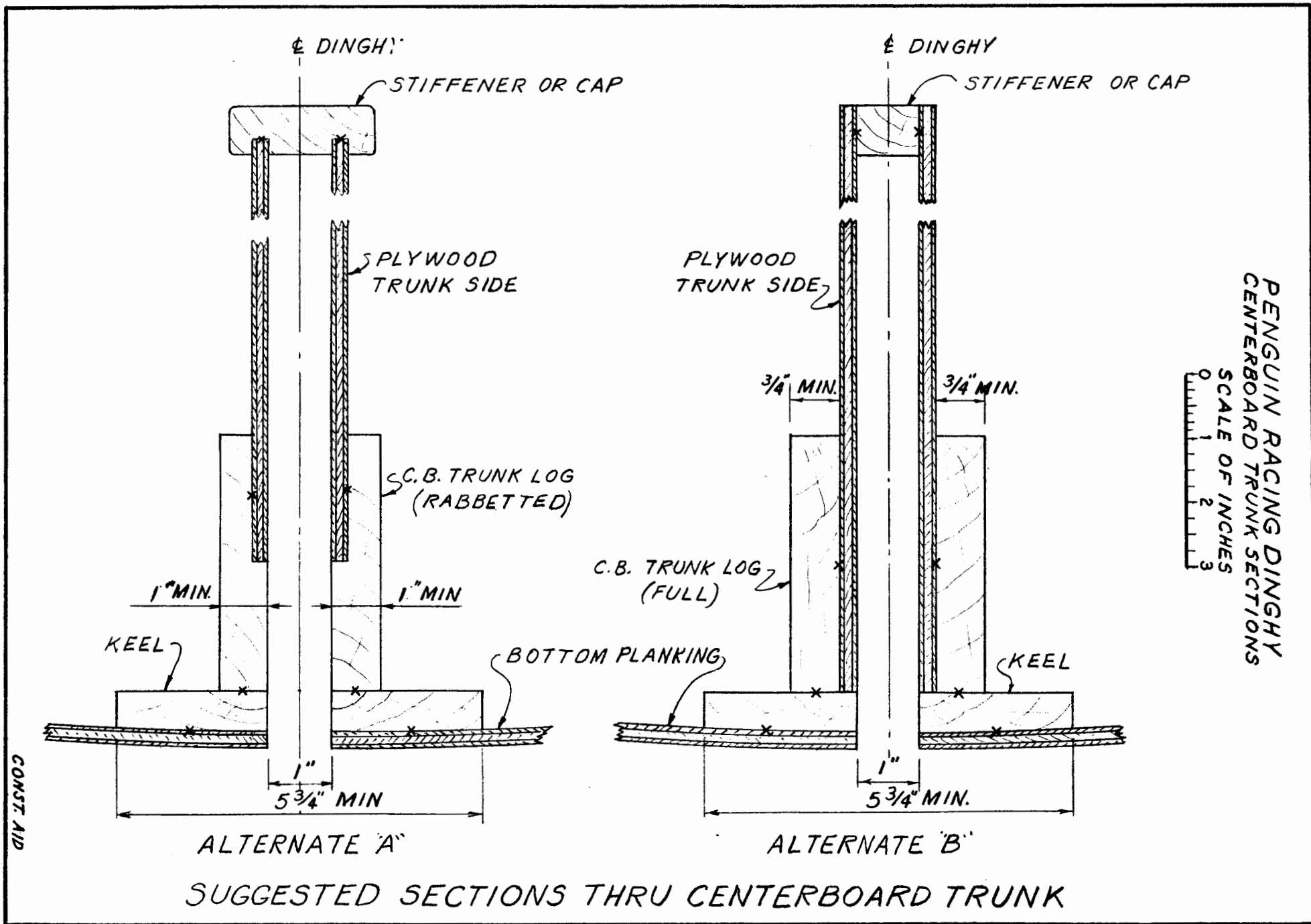
MAST STEP (ALTERNATE)



PENGUIN RACING DINGHY
STEM-KEEL-CHINE JOINT DETAIL

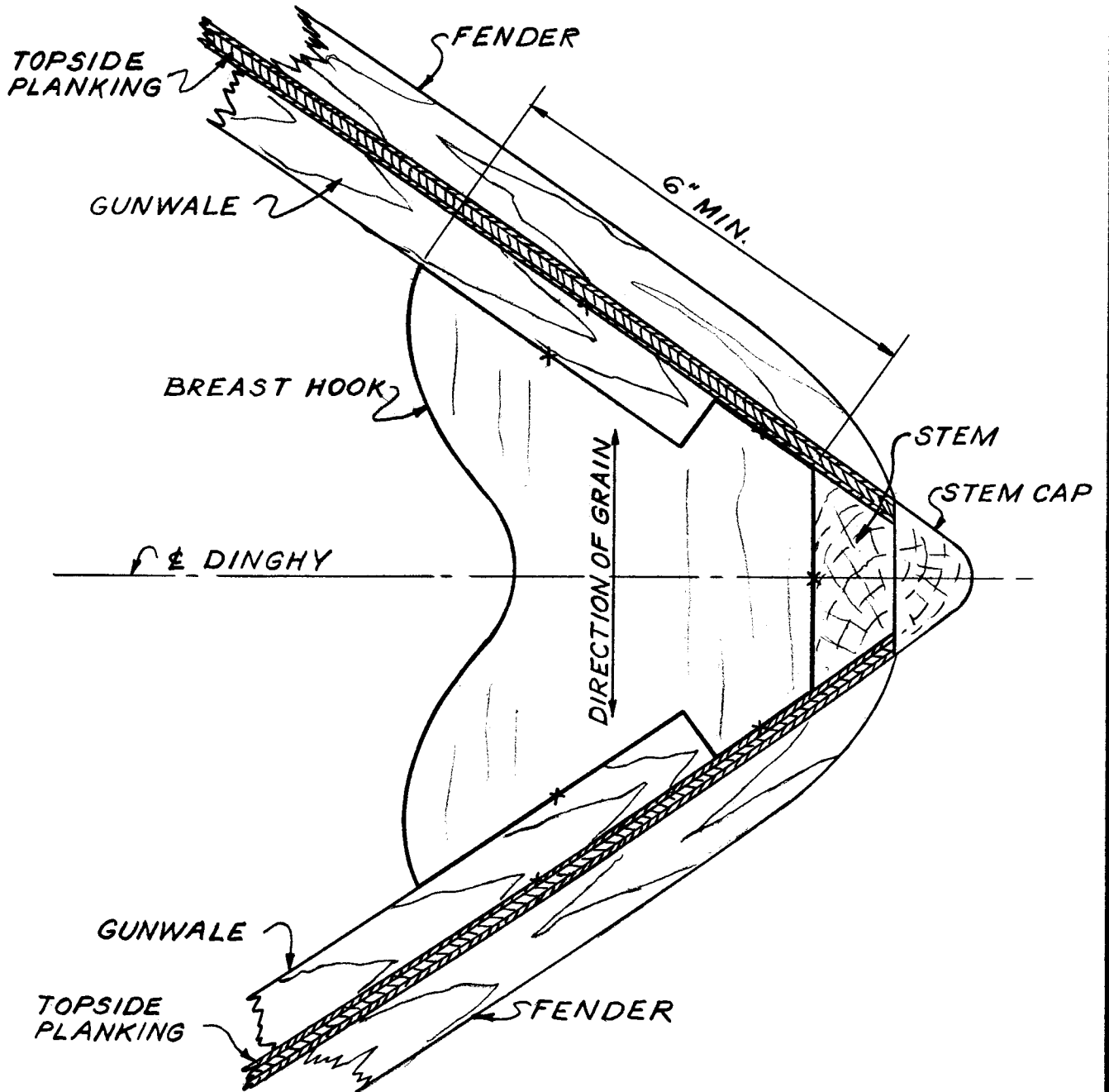


PERSPECTIVE VIEW
BOTTOM-UP
DO NOT SCALE



PENGUIN RACING DINGHY
BREAST-HOOK DETAIL

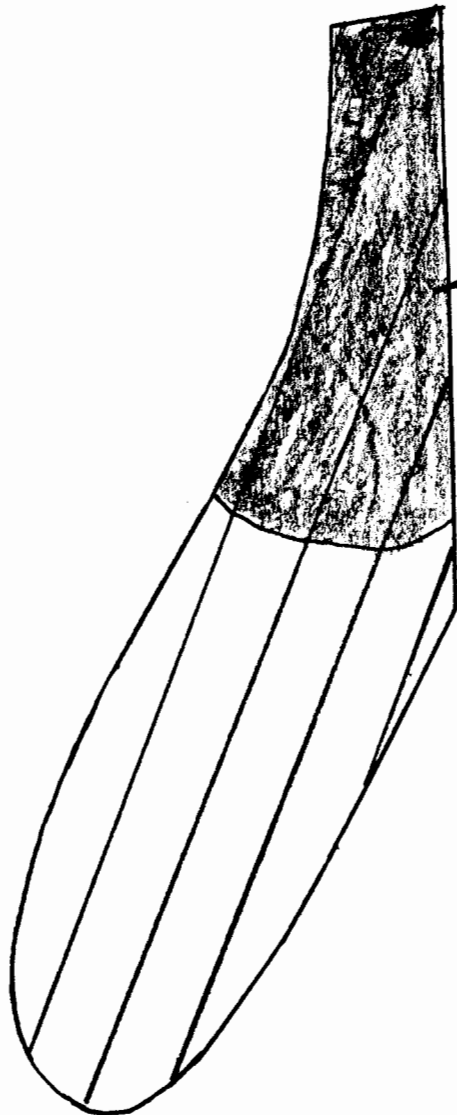
SCALE OF INCHES



ALTERNATE RUDDER CONSTRUCTION

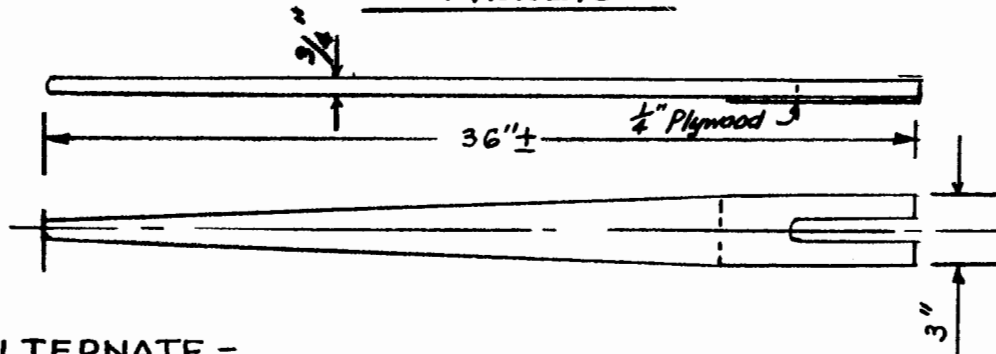
($\frac{1}{8}$ " - Cedar, spruce or mahogany)

Max. width of laminates = 3"

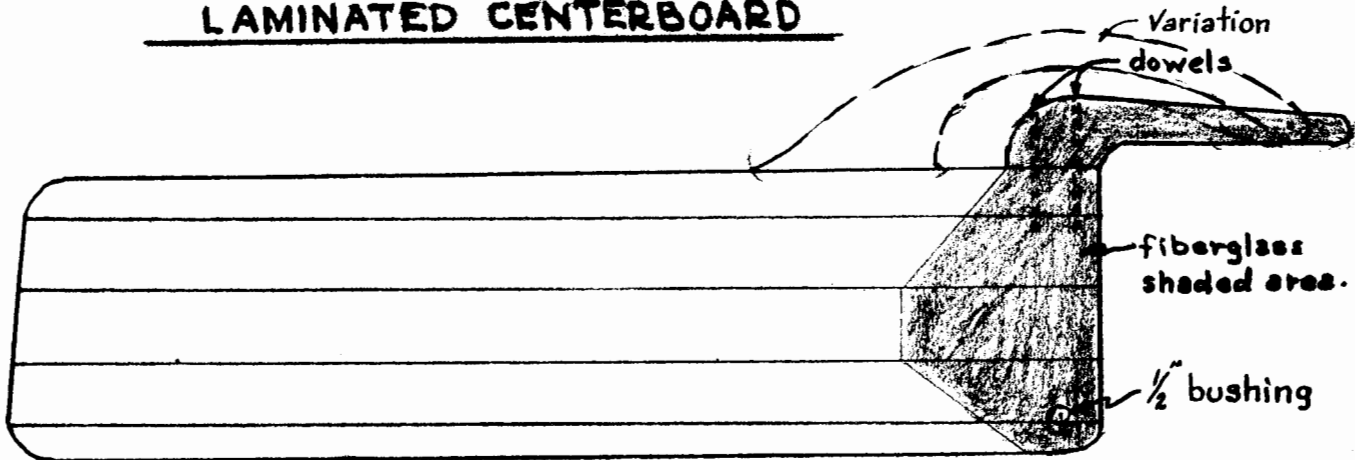


(1) layer fiberglass over shaded area

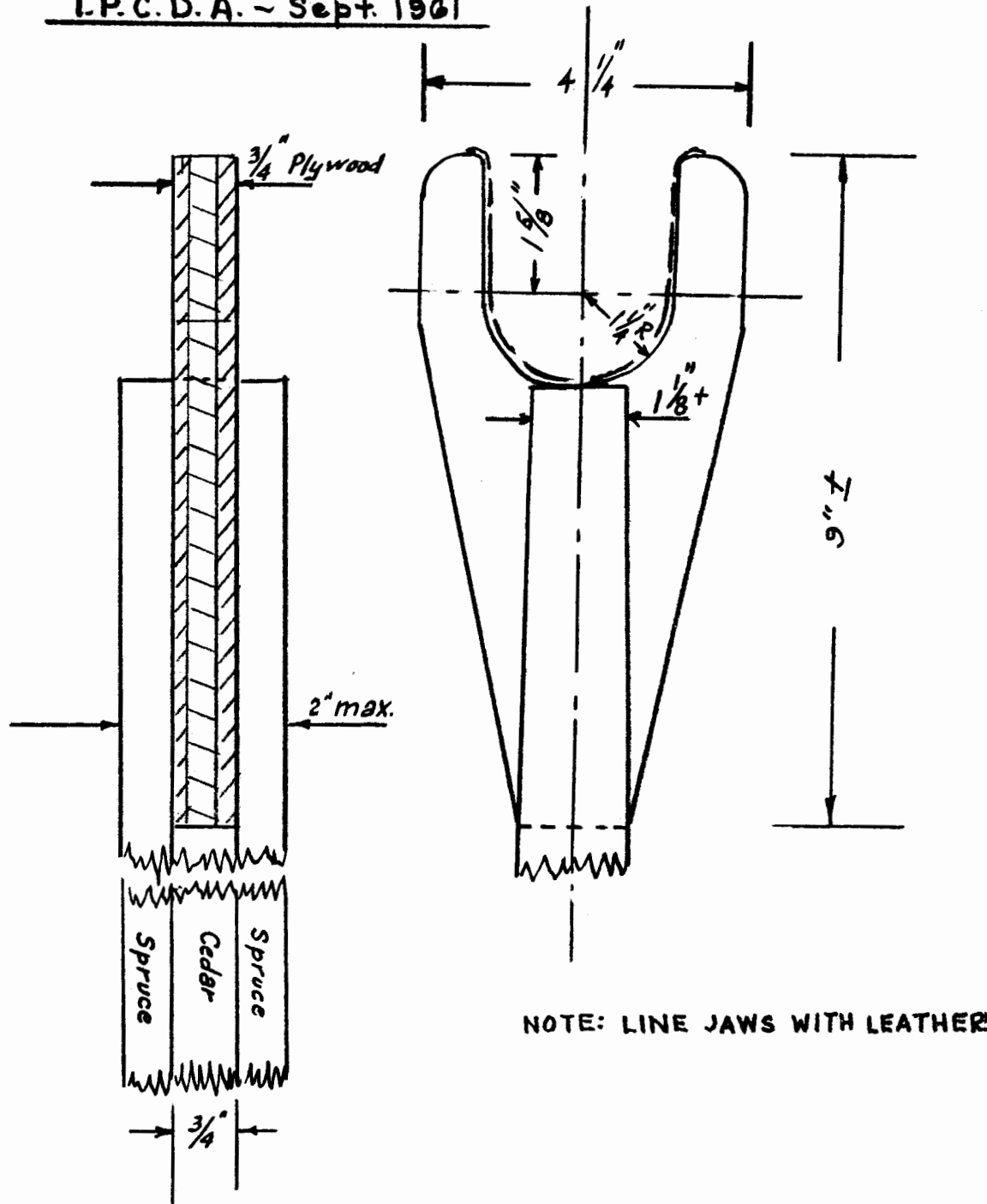
TILLER



- ALTERNATE -
LAMINATED CENTERBOARD



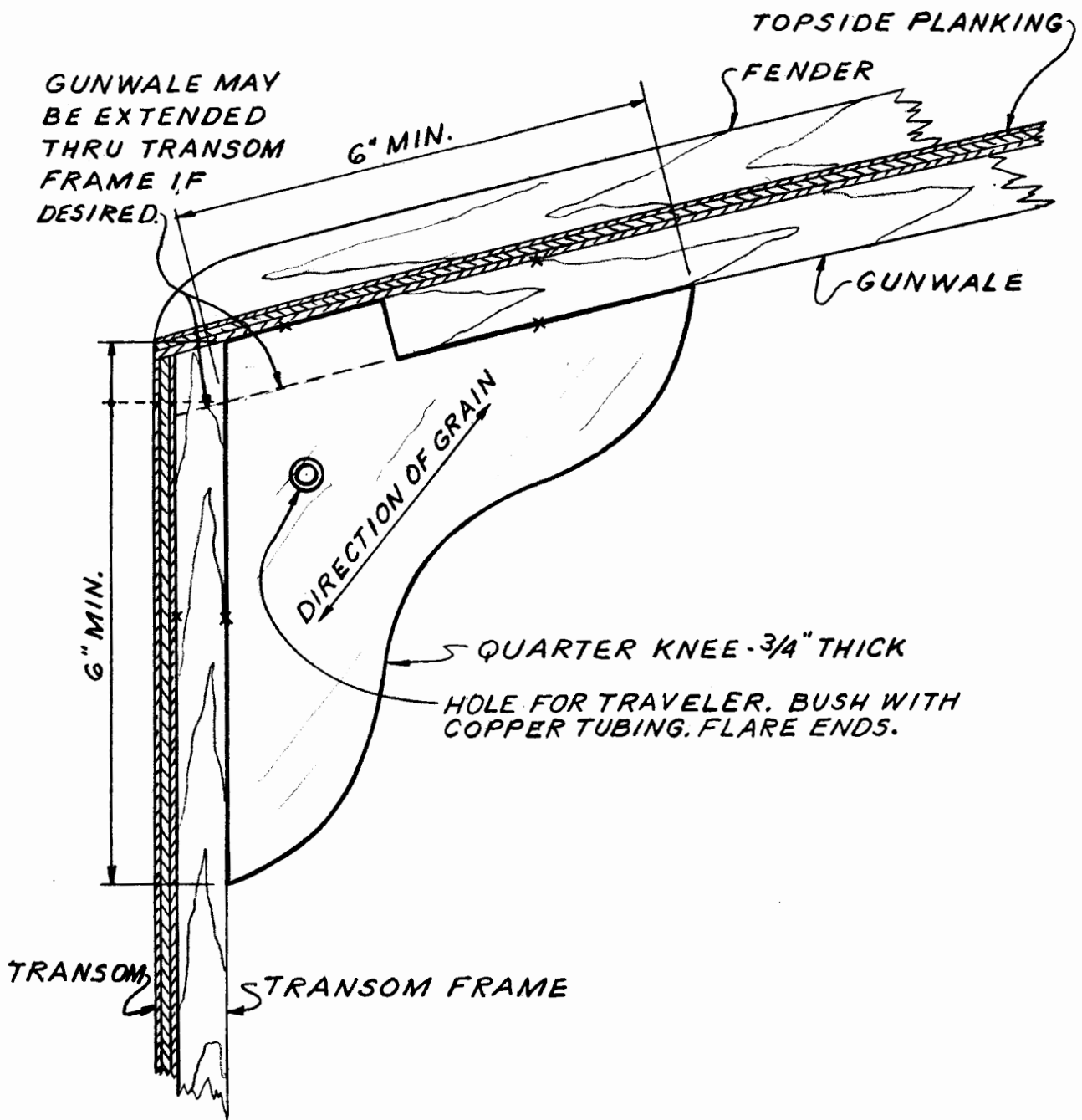
L.P.C.D.A. - Sept. 1961



SUGGESTED BOOM JAW DETAIL

PENGUIN RACING DINGHY
QUARTER KNEE DETAILS

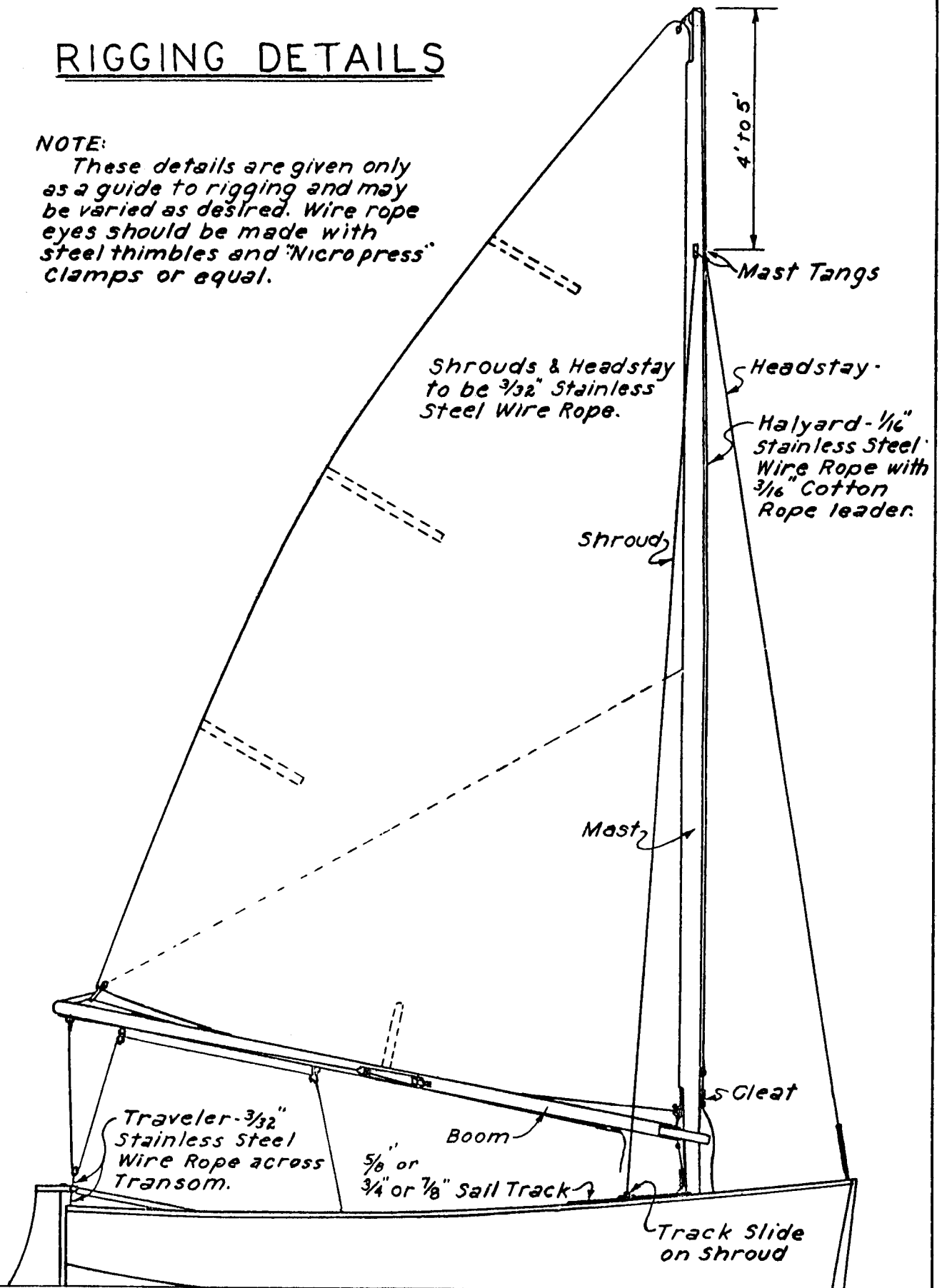
SCALE OF INCHES



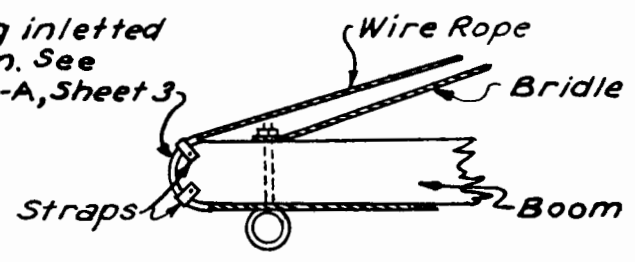
RIGGING DETAILS

NOTE:

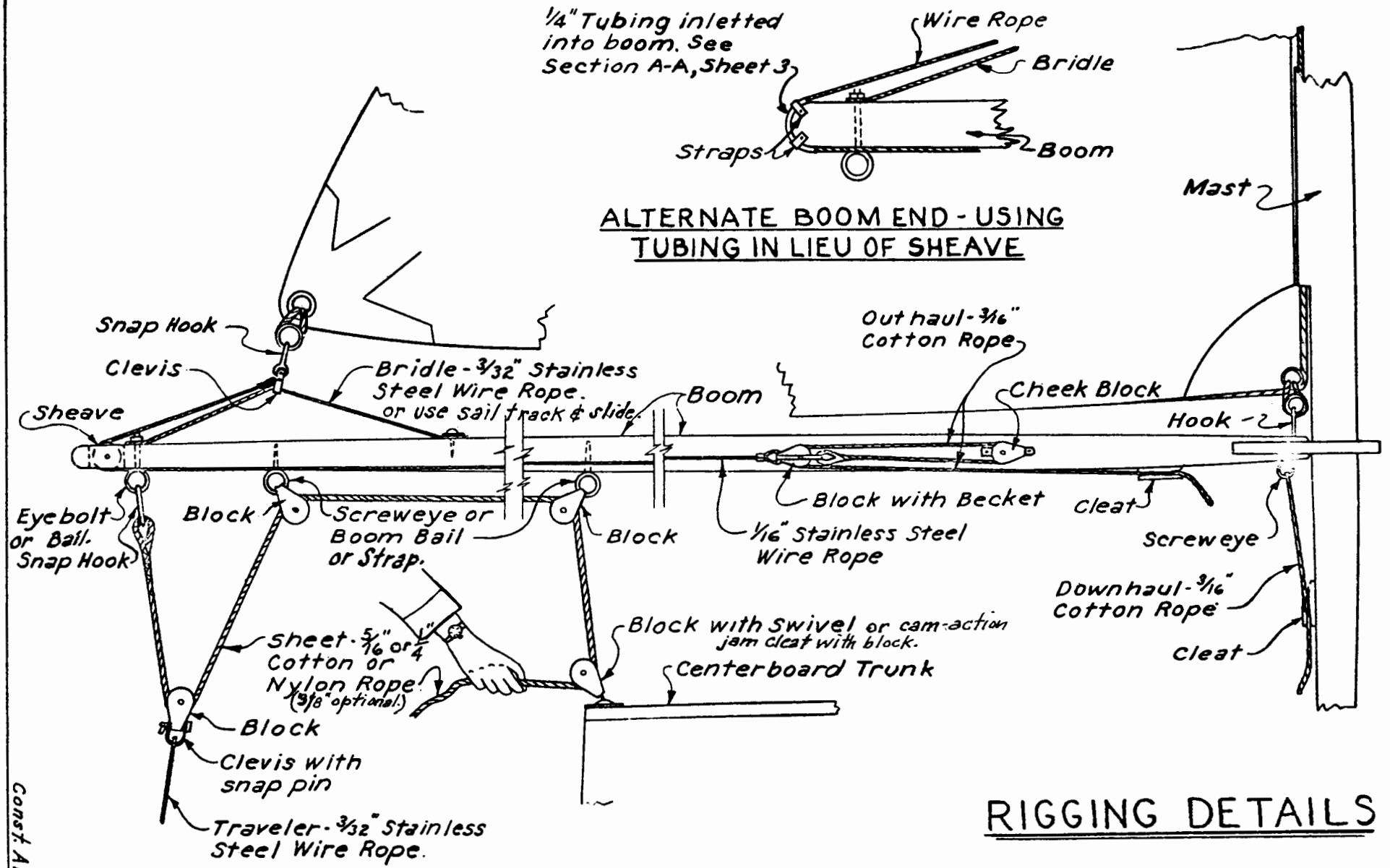
These details are given only as a guide to rigging and may be varied as desired. Wire rope eyes should be made with steel thimbles and "Micropress" Clamps or equal.



1/4" Tubing inletted into boom. See Section A-A, Sheet 3.

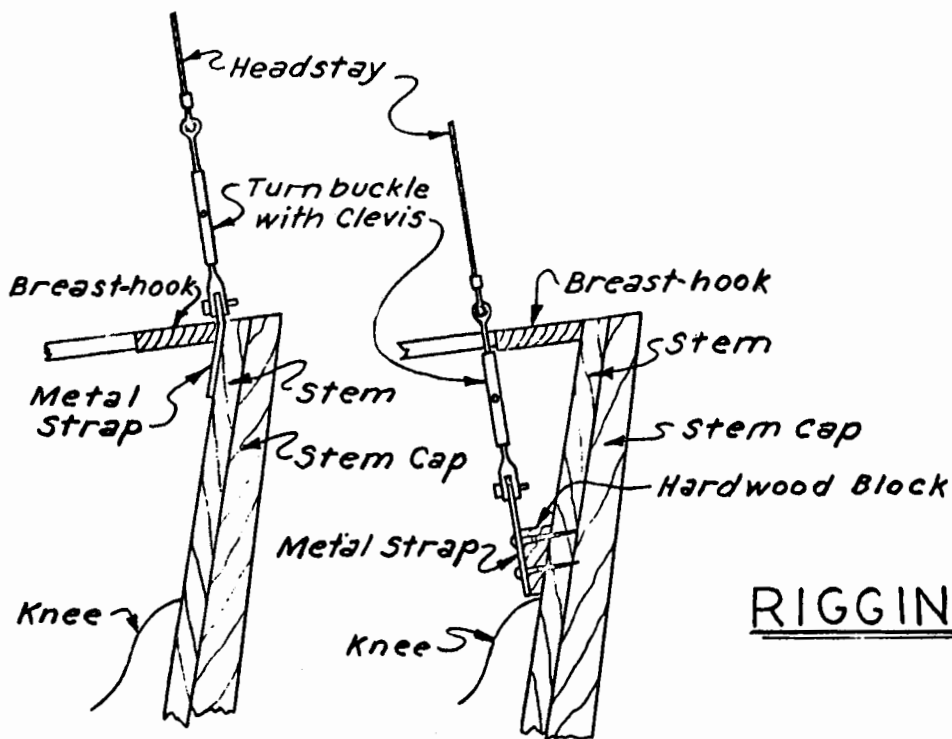
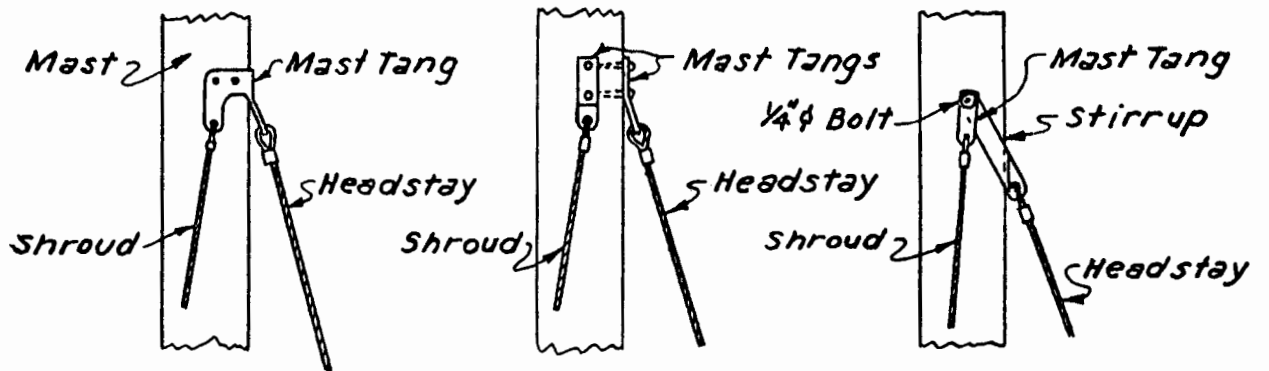
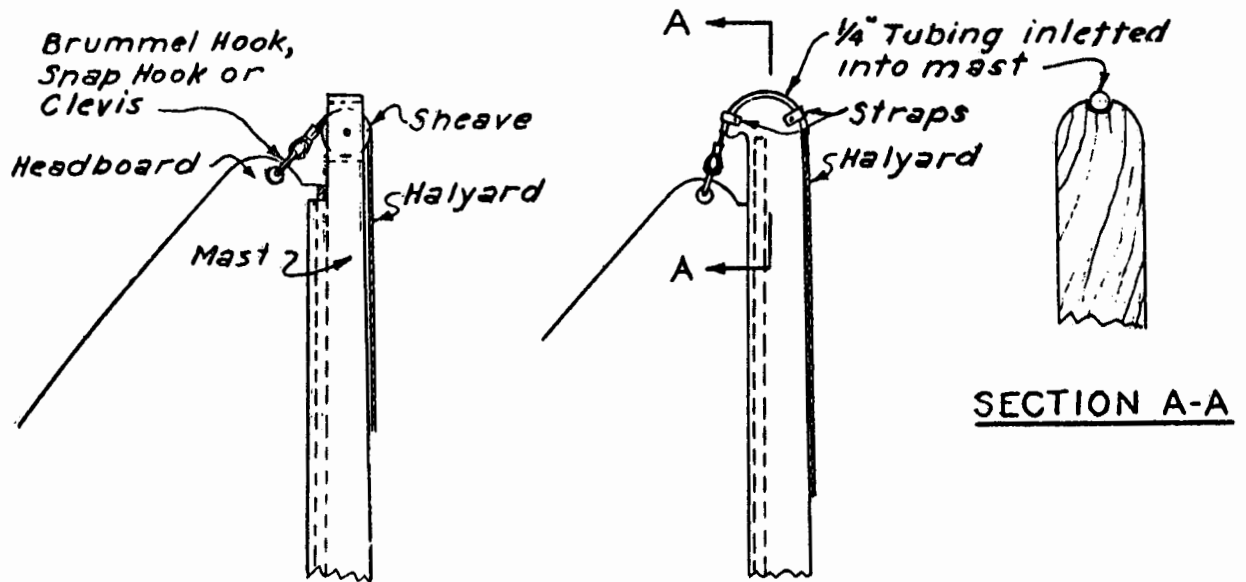


ALTERNATE BOOM END - USING TUBING IN LIEU OF SHEAVE



RIGGING DETAILS

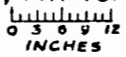
Const. Aid



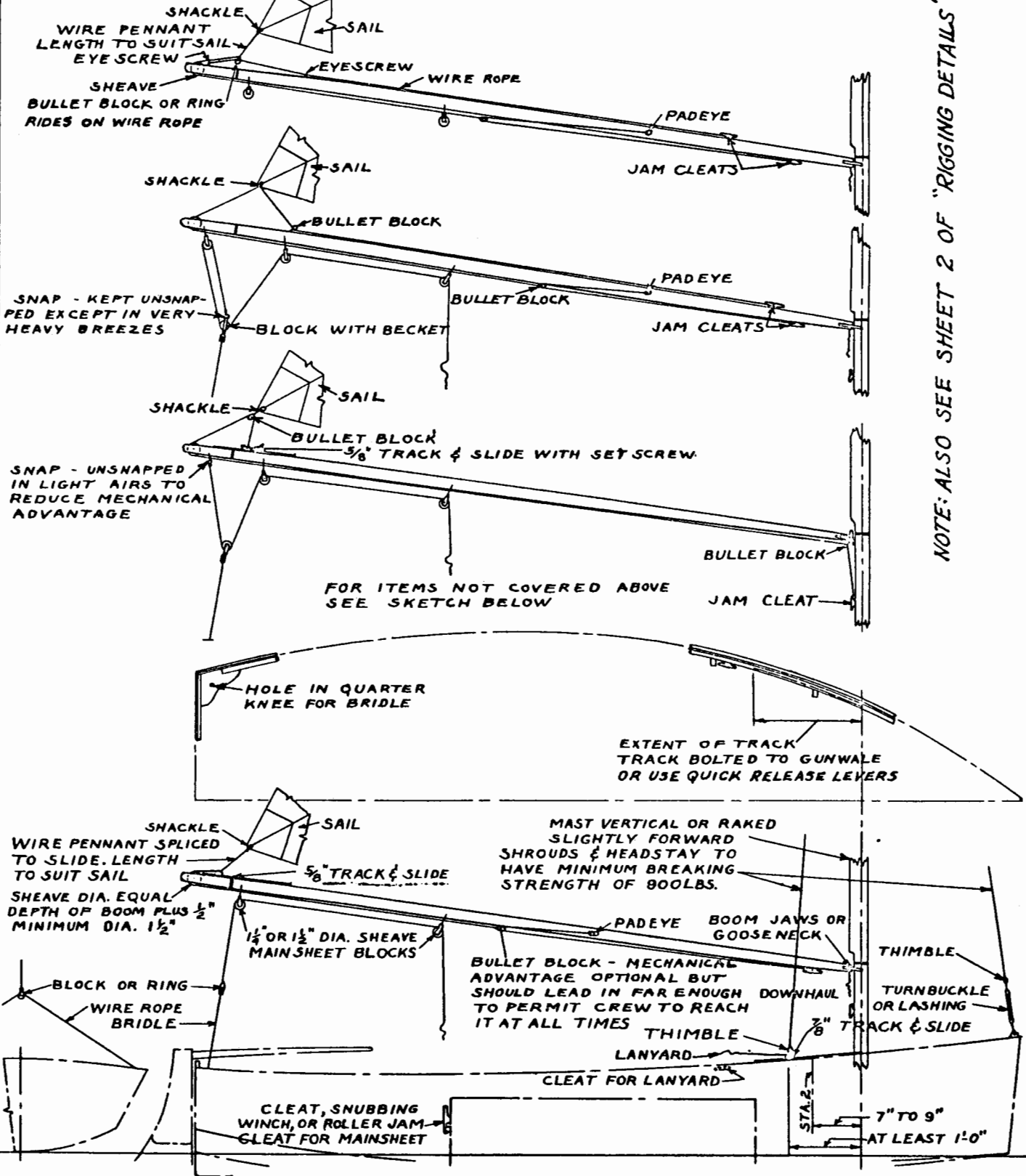
RIGGING DETAILS

PENGUIN RACING DINGHY

RIGGING, MAINSHEET, & OUTHAUL DETAILS

SCALE:  C.M.C. NOV. 20, 1946

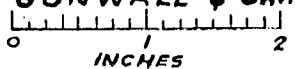
THE PURPOSE OF THE OUTHAUL DETAILS BELOW IS TO PERMIT VARYING THE TENSION ON THE LEECH AND THE LUFF OF THE SAIL FOR DIFFERENT WIND INTENSITIES AND POINTS OF SAILING WHILE UNDER WAY. EXCEPT WHERE DEFINITELY SPECIFIED EITHER ROPE OR WIRE WITH ROPE TAIL IS SATISFACTORY. BLOCK AND SHEAVE SIZES SHOULD BE KEPT LARGE TO REDUCE WEAR. THESE DETAILS ARE SUGGESTED AND MAY BE VARIED OR COMBINED AS DESIRED AS LONG AS IN COMPLIANCE WITH THE SPECIFICATIONS.



NOTE: ALSO SEE SHEET 2 OF "RIGGING DETAILS"

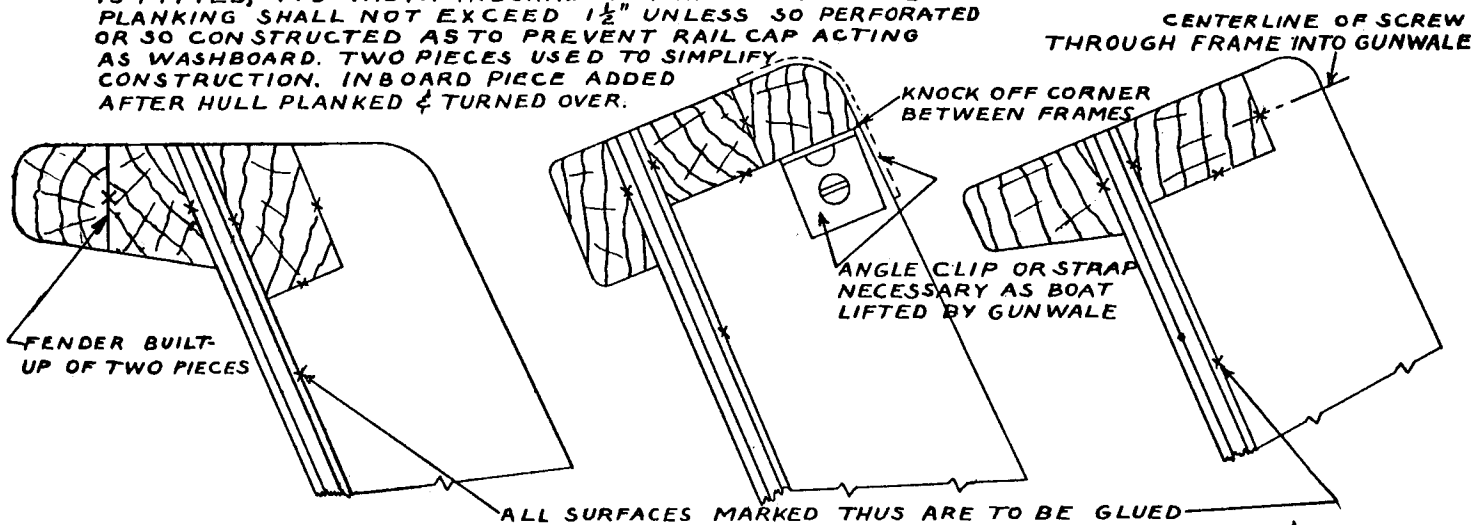
PENGUIN RACING DINGHY

GUNWALE & CHINE DETAILS

SCALE:-  C.M.C. NOV.20,1946
REV SEPT.30,1961

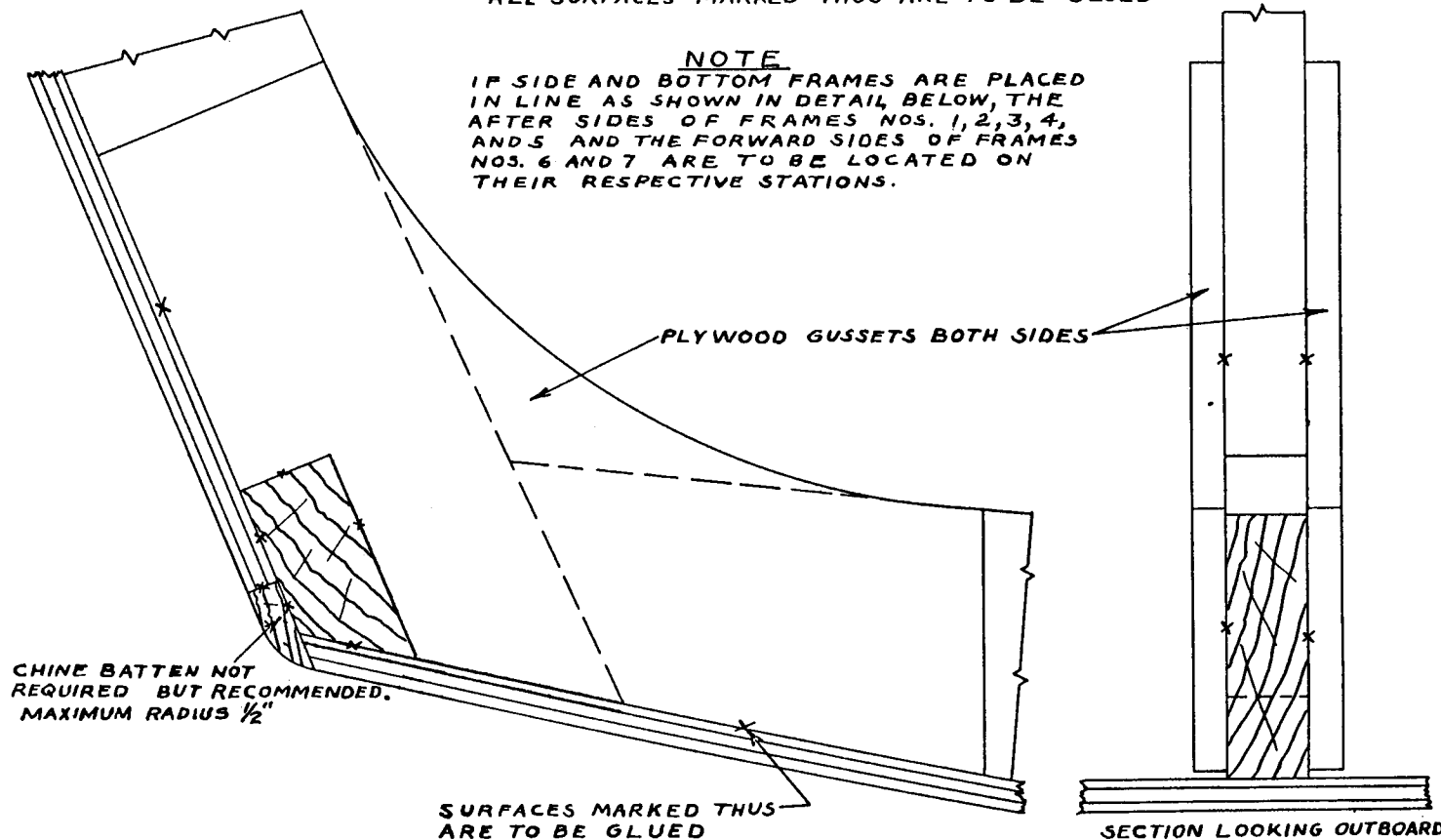
TO WITHSTAND THE TWISTING STRAIN ON THE HULL, WHICH IS SEVERE WHEN THE CREW IS HIKING IN A HEAVY BREEZE, THE FRAME SHOULD BE CONSTRUCTED WITH THE SIDE AND BOTTOM PIECES IN LINE AND GUSSETS ON BOTH SIDES AS SHOWN BELOW. IT IS DESIRABLE TO STIFFEN THE SIDES Laterally AS SHOWN BELOW IN TYPICAL DETAILS. THE INWALE IS NOT REQUIRED AND HAS BEEN OMITTED SINCE IT CONTRIBUTES LITTLE STRENGTH AND IS DIFFICULT TO FASTEN PROPERLY. INCREASING THE FENDER IS EASIEST TO ACCOMPLISH AND PROVIDES ADDITIONAL PROTECTION FOR HULL. THESE DETAILS MAY BE VARIED AS LONG AS SPECIFICATIONS ARE COMPLIED WITH. ANY SURFACES REQUIRED TO BE GLUED SHOULD BE GLUED WITH A RESIN GLUE SUCH AS "CASCAMITE" OR "WELDWOOD". A LIQUID RESORCIN RESIN GLUE IS RECOMMENDED

WHEN GUNWALE IS FITTED AS RAIL CAP, OR RAIL CAP IS FITTED, ITS WIDTH INBOARD OF THE INSIDE OF THE PLANKING SHALL NOT EXCEED 1 1/2" UNLESS SO PERFORATED OR SO CONSTRUCTED AS TO PREVENT RAIL CAP ACTING AS WASHBOARD. TWO PIECES USED TO SIMPLIFY CONSTRUCTION. INBOARD PIECE ADDED AFTER HULL PLANKED & TURNED OVER.



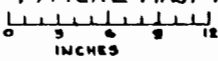
NOTE

IF SIDE AND BOTTOM FRAMES ARE PLACED IN LINE AS SHOWN IN DETAIL, BELOW, THE AFTER SIDES OF FRAMES NOS. 1, 2, 3, 4, AND 5 AND THE FORWARD SIDES OF FRAMES NOS. 6 AND 7 ARE TO BE LOCATED ON THEIR RESPECTIVE STATIONS.



PENGUIN RACING DINGHY

TYPICAL MAST PARTNER & FRAME #2 DETAILS

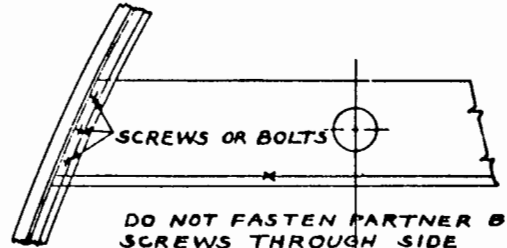
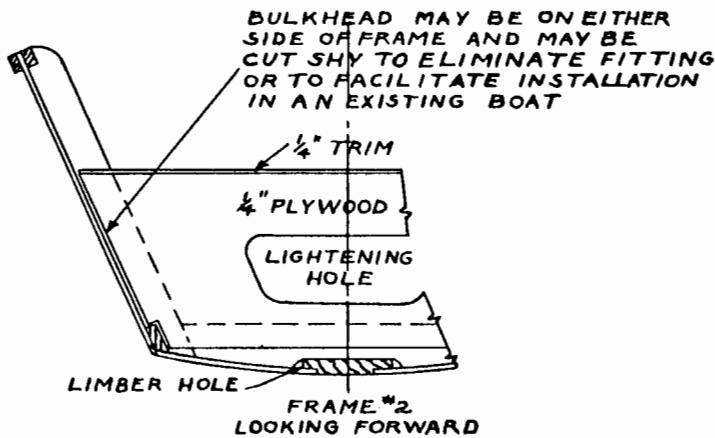
SCALE:  INCHES

C.M.G.

NOV. 29, 1946

REV. SEPT. 30, 1961

TO STIFFEN HULL IN WAY OF THE MAST, A BULKHEAD, A WEB FRAME, OR LARGE GUSSETS AT FRAME #2 ARE DESIRABLE. THESE DETAILS MAY BE VARIED OR COMBINED AS LONG AS THEY COMPLY WITH THE SPECIFICATIONS. ANY SURFACES REQUIRED TO BE GLUED SHOULD BE GLUED WITH A RESIN GLUE SUCH AS "CASCAMITE" OR "WELDWOOD". A LIQUID RESORCIN RESIN GLUE IS RECOMMENDED



DO NOT FASTEN PARTNER BY SCREWS THROUGH SIDE PLANKING AS SCREWS INTO END GRAIN OF PARTNER HAVE POOR HOLDING POWER

