

BASE BOARD
CUT OUT IN CENTER

(END VIEW)

1/4" bolts 2,

STA

BASE BOARD (SKYWARD)

MASONITE

TAKE MEASURE
OFF HAHNS
PLANS,
FROM TOP
MASONITE
OF
BOTTOM
OF FALSE
KEEL

+ width
OF RULER

SLOT SAME WIDTH
AS STERN OR
STEM

This jig works
with Hahn's plans
and methods, but
you glue in frames
into keel through
the baseboard one
at a time.

STERN
POSTKEEL,
FALSE KEEL

24" MACHINIST
Ruler 1" wide
(sets on pins)

slot smaller
for Ruler

Rubber
STANDS (TYP)

Wood clamps

WORK BENCH

STEEL PIN
slides Thru slots
IN WOOD CLAMPS

When jig, frames and keel are ready to go, you place your jig on work bench as shown above. Now put your keel into the jig, then add your full frames 'UNGLUED'. Have your keelson ready too, and use it to hold any loose frames at this time. Now check for frame squareness and the keel for straightness. Now I used .008" brass wire to tie the ruler to the steel pin, this keeps the ruler from moving. Then I used small lengths of rubber bands and the brass wire to tie the keel to the ruler, going between the keel and the keelson. Once you have the keel held onto the 24 inch ruler you can turn the jig over and remove the keelson. Leave all the unglued frames in while you go along the keel gluing in the frames, this helps to keep the keel straight and the frames square to the base board.

Its easier to pull out the frame (the one you are going to glue in) from the side of the jig, but put in through the base board when you glue it. Just put the glue in the slot that fits the keel and once the frame is seated, add glue to the frame extensions at the masonite. Check keel straightness as you move along gluing the frames. The end supports should be mounted to allow room for gluing in the half-frames.