

7/15/15

Young America 1853 – POB 1:96

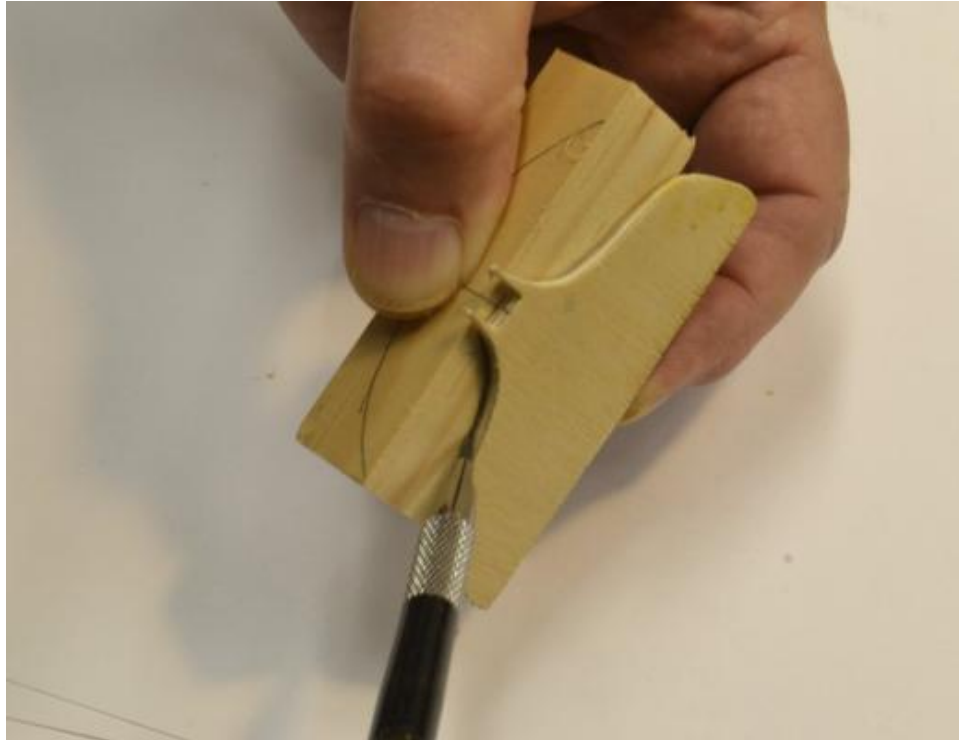
Part 7 – Lower Stern

In the framed version of the model, individual stern timbers provided the foundation for the planking of the stern. On this POB version the complex shape of the stern was constructed from solid pine. The upper section was shaped in the last part.

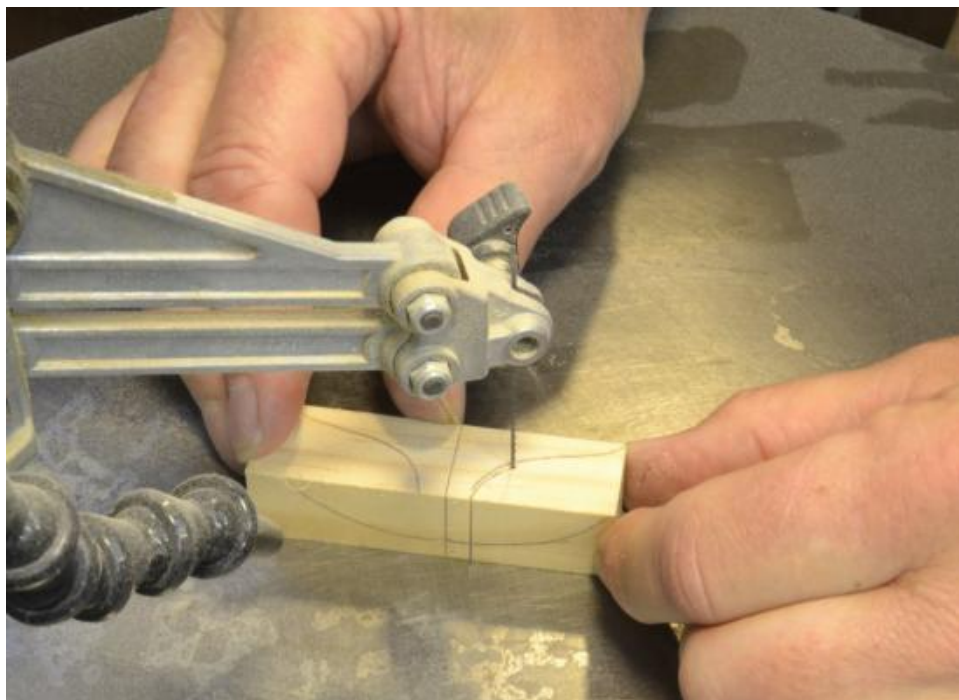
The foundation for the stern below the wale was shaped from a solid block like the upper stern piece. The piece is curved in three planes. The horizontal curve of its upper face is defined by the lower edge of the upper stern piece – at about the line of the wale. In the first picture that line is being traced on a wood block.



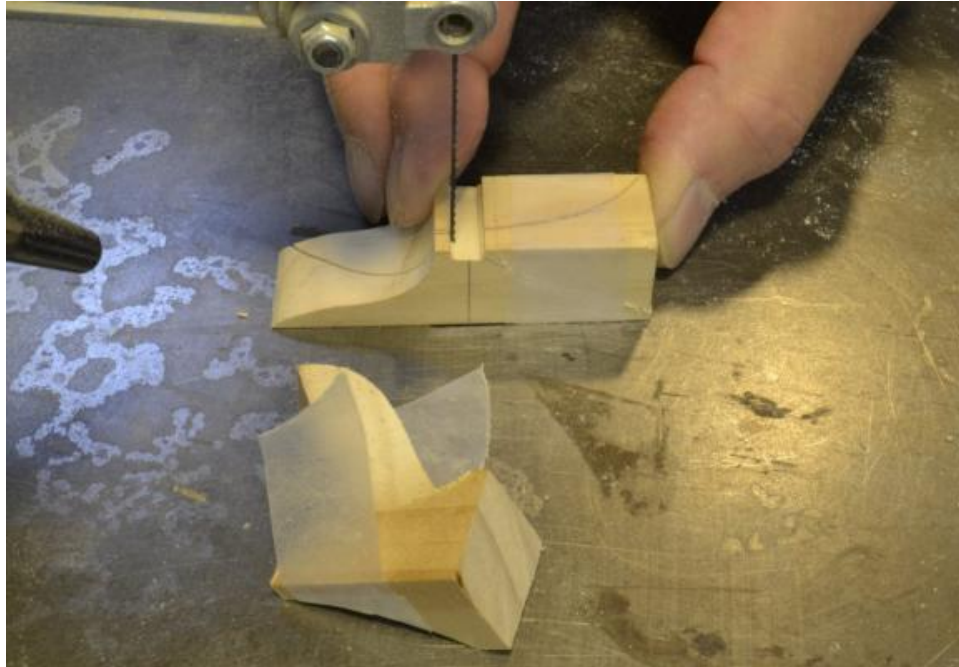
The piece was first marked with a centerline so it could be indexed to the stern assembly. In the next picture vertical curves on either side are being marked from the shape of bulkhead 48.



With the lines drawn, the lower shape of the piece was cut on the scroll saw.



The pieces removed were then taped back on using transparent tape so the curved line of the horizontal face could be cut as shown in the next picture.



These cuts could be made in either order. The piece was then glued to the aft side of frame 48 and the upper piece. The frame 48 assembly was then glued to the hull as shown below. The curve of the aft face was then roughed out down to the forward edge of the sternpost – indicated by the pencil line on the spine.



The pencil line shown was drawn using a template. This end of the hull is now ready for fairing – or will be when the excess spine material is removed. But first the bow will need to be constructed – in the next part.

On this version of the model, all of the filling material – spacers, spine and these filler blocks – are cut from $\frac{3}{4}$ " thick pine. This material is easy to obtain, can be ripped and cross cut on a 4" diameter model saw and on most scroll saws. I used available scraps for this – some clear sugar (white) pine and some pine from a home center. This latter material is actually a species called Radiata. While a form of pine and clear of knots, it has dark hard growth rings that can be seen in the spacers in the above picture. The contrast with the clear sugar pine of the lower spine is evident. In retrospect, I would avoid this species. The hard growth rings made some work more difficult, specifically pinning and tacking to secure planking, but also some shaping.