## 10/28/15

## Young America 1853 – POB 1:96 Part 28 – Upper Channels/Poop Margin Plank

First let me say that although I am now posting to both this log and the 1:72 framed version log, I am not working on both of these simultaneously. I needed to do this in the spring and it damaged my sanity – reading dimensions off the wrong conversion chart of the two posted in the shop being one frequent occurrence. The final posts on this log cover work that was done in August and September to prepare this model for the NRG conference. These next several posts will complete the online material for this POB version that I offer to those who might build the model – as a supplement to the content in the book

So, the next task after finishing the outer planking was to install the upper channels. This is straightforward work. The six inch thick channels are merely cut to length and glued into the slot left for the main rail. The port upper mizzen channel is being glued in the first picture.



The channel is clamped to pull it into the slight curve of the hull and to keep it horizontal. Although I did not do this for the model, to support rigging the channels should probably be bolted through each frame timber with functional wire bolts. These are described in the book. The wire becomes a real fastening by fixing it with epoxy glue all the way through the hole. The next picture shows the two forward upper channels being glued in.



The next picture shows the main upper starboard channel in place.



The lower channels were installed later. The next task – necessary to begin decking of the poop – was to make and install the poop margin plank at the stern. Poop planking butts into this curved plank. In the first picture the approximate shape of the outer edge of the stern section is being sketched in by tracing around the stern.



The plank actually fits inside the upper strake of outer planking, so after cutting it out to the rough line it was fitted more precisely inside of the upper side plank. The top of that plank had been set higher than the beam height by the thickness of deck planking – in this case 3  $\frac{1}{2}$ ".

In the next picture the fitted curved plank has been pasted to some 3/32" plywood to reinforce it for cutting the inside edge and shaping of the two hook scarph joints at the ends. In the picture the inside line has been marked out, cut on the scroll saw and the joints are being marked out.



Next the joints were filed out with the reinforcing plywood still pasted on.



The completed margin plank is shown in the next picture, still attached to the plywood.



The plank was then lifted from the plywood with a hobby knife and the paste residue washed off. The piece was then pinned and glued as shown in the last picture.



Only minimal sanding was done to this piece at this stage – just enough to produce the fair inner curve with no rounding of the forward edge. This will allow the deck planks to butt neatly. In the next part, the margin plank will be extended forward along each side to the breast beam.