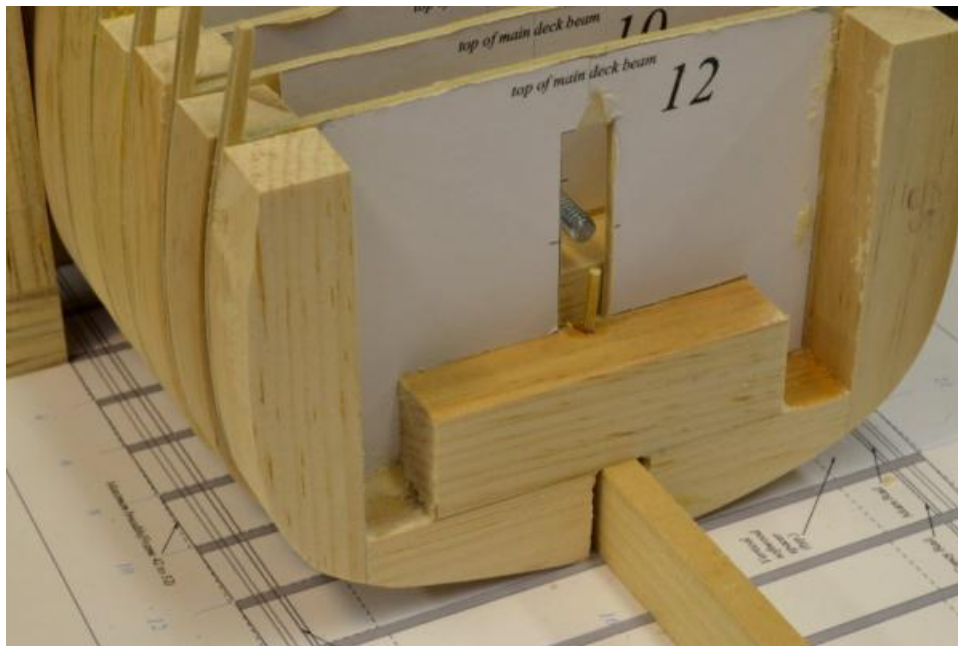


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## Young America 1853 – POB 1:96

### Part 5 – Mast Steps

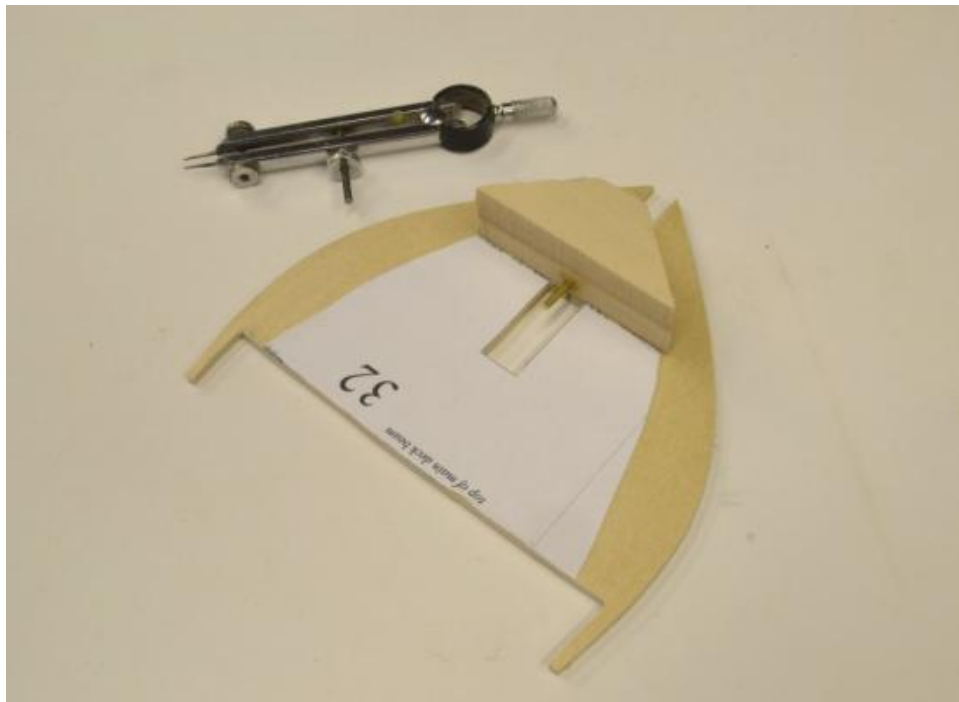
As bulkheads and spacers are added, it is necessary to make provision for supporting the lower ends of the masts. On the framed model these steps are fully detailed and visible through the view ports, but on this version they need only be simple, functional and strong. The first picture shows the step of the main mast just aft of bulkhead 12 – looking forward.



The brass pin will fit a hole in the bottom of the mast. The bulkhead has been cut out to provide clearance for the mast. A reinforcing spacer can just be seen through the opening. For strength, the plywood bulkheads on either side of each mast are sandwiched between such reinforcements. The next picture shows the reinforcing spacer glued to the plywood bulkhead aft of the foremast.



The step of the mizzen mast is shown below before being installed.



The holes for the brass pins need to be precisely located, hence the dividers. The drawings show these locations at the height of the spacer blocks. The pins are slightly raked – roughly matching the mast rake.

The next picture shows the bulkhead forward of the one above, with the reinforcing spacer in place.



The next picture shows the hull framing well advanced. The squares clamped to the shipway are important. They keep the hull plumb to prevent twisting as new bulkheads are added.



The last picture shows the hull framed back to bulkhead 42. At the ends, the central spine needs to be built up with additional tiers to form the deadwood as the hull narrows.



Also, in this picture, additional spacers have been inserted inside the outer ones to maintain a solid hull surface where the lines converge sharply at the stern.

The complex rounded stern will be constructed in the next part.