

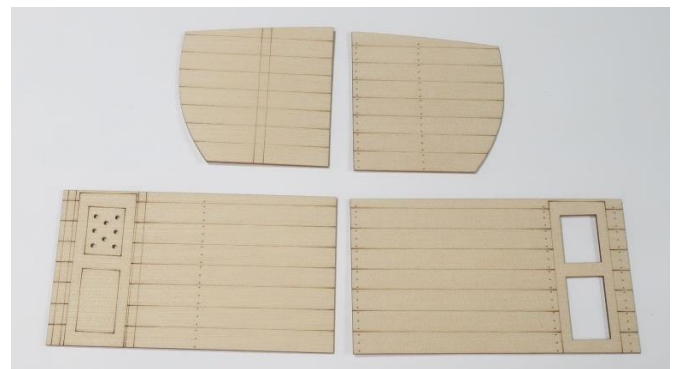


Chapter Seven – Inboard Cabins and details

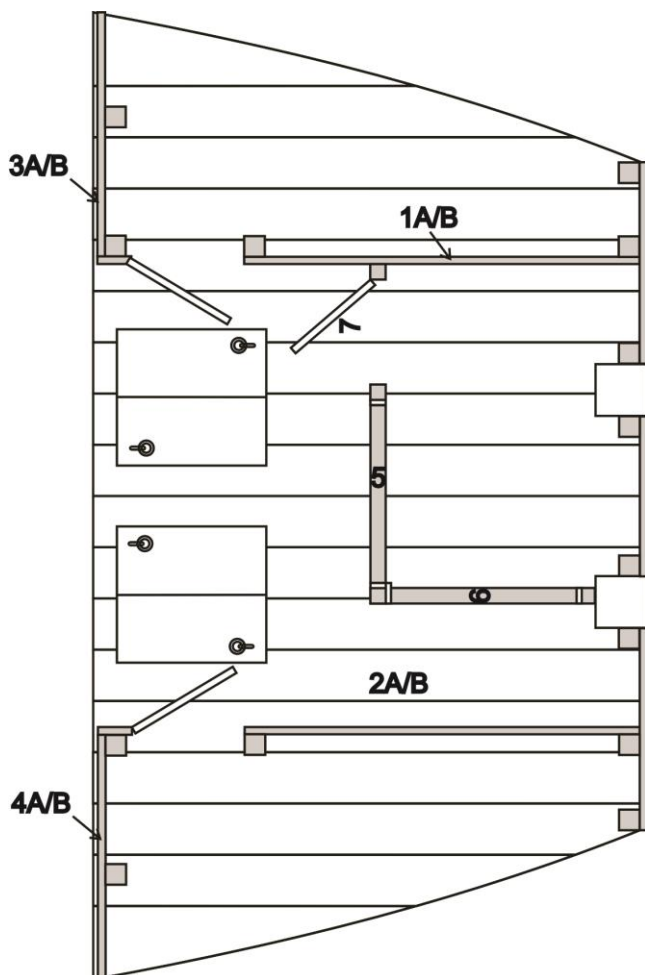
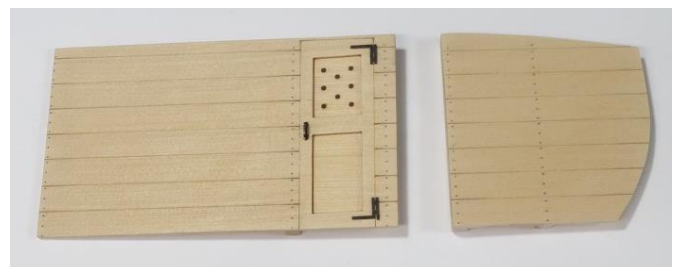
Before we can start constructing the cabins on the fore and aft platforms we need to cut the deck beams to length and use the template provided on the plans to temporarily position them. The photo above shows the beams all

cut and positioned on the deck clamps. These are not glued in position yet.

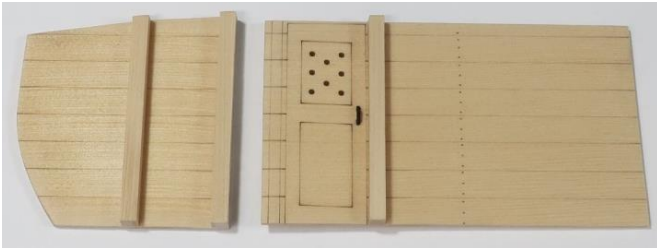
We need to have those deck beams at the



ready because they will help us position some of the cabin bulkheads. The cabins and their bulkheads are shown on the plans and below. Just like the other cabins, each bulkhead is made up of two layers. I started with making the cabins on both sides of the forward platform first. I used 2 A/B and 4 A/B parts to first to glue up both layers for each cabin wall and their doors. The picture above shows them before I glued them together.



Then I added the laser cut hinges and door handle to finish off the details on one side while adding the 1/8" x 1/8" strips to the other side. There are etched reference lines that show you where the upright timbers should be placed and sanded flush with the top and bottom of each bulkhead panel.



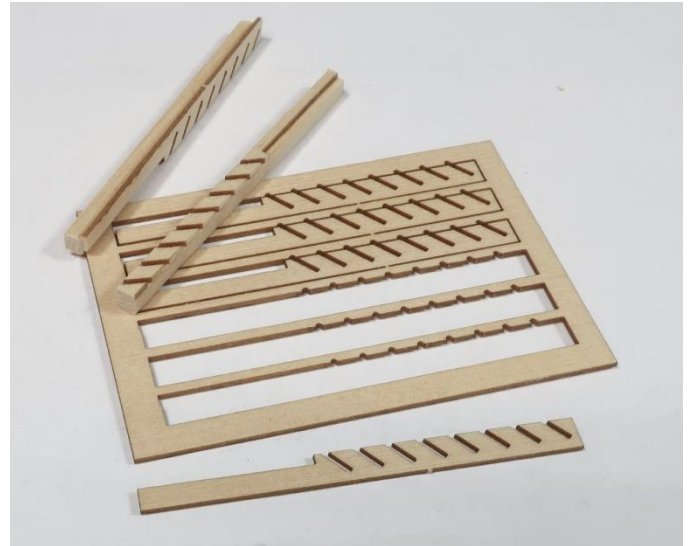
Note how the corner upright is flush to the edge of panel 4 A/B. Once glued together the corner will form nicely.



I glued the panels together off the model to form a nice 90 degree angle. This also made it easier to tweak edge along the inboard side of the frames so I could leave a nice 3/64" gap which would represent the planking not placed on the model. The top will rest against the deck clamp. You can see the cabins on both sides completed above.

Note how the cabin panel is glued to the uprights against the forward bulkhead panel.

With that completed I started making the louvered walls of the sail room. Even though this detail will hardly be seen it is so nice to look at the finished bulkheads before you plank the deck above it and obscure all of the fine work you did on these cabins.



You will need four 3/32" x 3/32" strips cut to length. They should be cut a little taller than the sail room panels because you can trim them when you are done.

There are laser cut strips with slots for the louvers and bottom panels. These should be glued onto the sides of the strips first. It's a little tricky to ensure they are facing the correct way, especially for the corner upright which will get two strips. Plan this out carefully because it will be tough to unglue these if a mistake is made. They are laser cut wider than you will need so you can sand off the laser char after they are glued onto the 3/32" strips.

Once they glue up and the edges sanded off to remove the char, you can start adding the lower panels. These are laser cut for you as well. See the photo on the next page.



Above you can see the two laser cut panels glued into their respective slots. This makes the sail room sides at 90 degree angles which is important.



Now you can start cutting the louver strips. These are $\frac{1}{64}$ " x $\frac{3}{32}$ " strips cut to length.

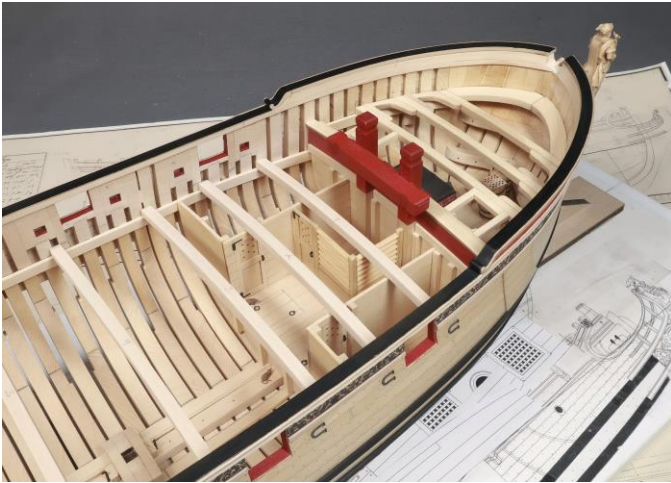
Start sliding them in position so the front edge is flush with slotted uprights. I sanded the fronts lightly to even everything out and applied a coat of wipe on poly to finish it off.



The two layers for the door were glued together and the hinges and door handles added. Once the door had a coat of wipe on poly applied, I actually glued the door to the sail room. This made it easier to position on the model. You need to glue this to the $\frac{3}{32}$ " strip on the side of the Botswain's cabin. Hopefully they line up nicely and you can glue the sailroom in position without too much trouble.



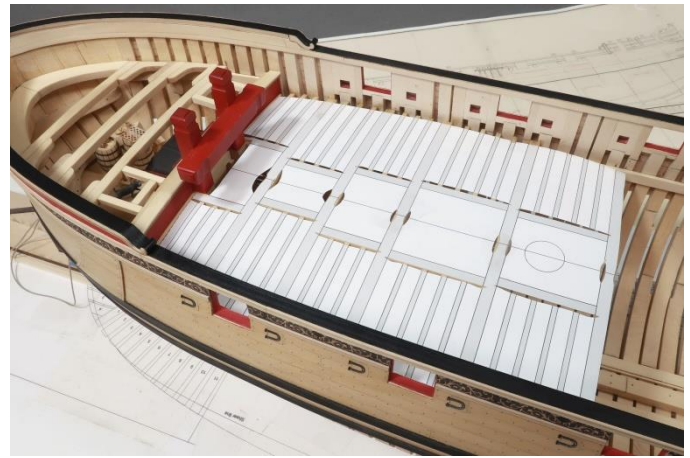
Because I marked the locations of the deck beams along the sides of the deck clamps it was easy to reposition them where they should go. So I glued the first four deck beams in position permanently at this point.



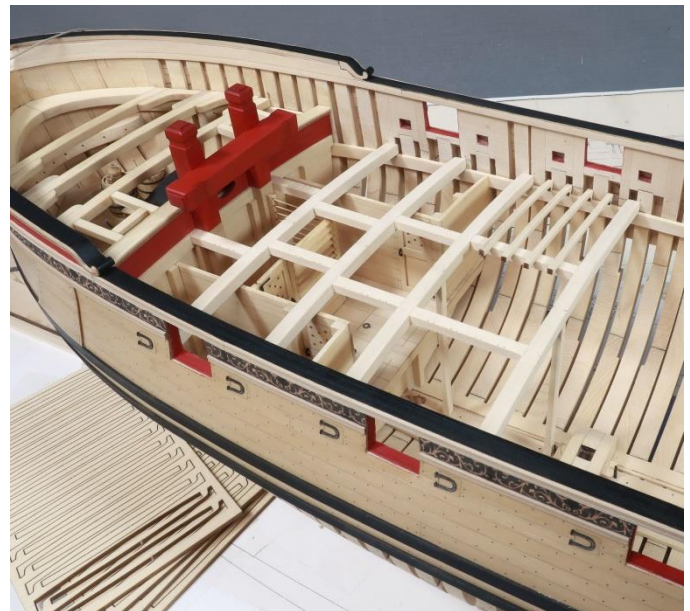
There are carlings and ledges to be added next. I must also mention that there would have been plenty of hanging and lodging knees along the bulwarks as part of the deck framing. These were omitted because they will be essentially covered up by the deck planking. There are so many ledges to add that omitting the knees cut down on a lot of the unnecessary busy work associated with framing a deck like this one. But you can absolutely add them if you find the need to do so.

With the first four deck beams glued into position it was time to add the carling first. These are the small fore and aft running beams that support the hatches and other fittings down the center of the deck.

As you guys are probably aware of by now, I am a big fan of using templates to find the positions for all of these parts. So I cut the template for the first few beams and placed it in position on top of the deck beams.



Note all of the small cut outs on the template. I used these to mark the locations of the carlings and ledges on the four deck beams. I also used the cut-outs down the center line to help me center the template on the deck beams before I started marking the other locations with a sharp pencil.



The carlings were cut from a 3/16" x 3/16" strip to length so they fit between the deck beams. Now these would have been morticed into notches in the deck beams but once again this detail would not be seen after the deck is planked. So I just cut them to fit between the beams and glued them into position. Then I sand the tops flush with the tops of the beams which have a roundup to them.



With the carlings glued into position the template cut from the plans was also repositioned. I could then proceed to mark the locations for all of those ledges. There are so many to be added, it will be good to do them a little at a time rather than all at once for the entire deck. There could be 3, 4 or even sometimes 5 ledges between each of the deck beams in some cases.

The ledges are all laser cut for you. You should sand the laser char from the top edge only as the underside of these ledges won't be seen at all. You can even lightly sand the sides of the carlings before you remove them from the laser cut sheets. Its just easier that way.

All of the ledges have a little step on one end

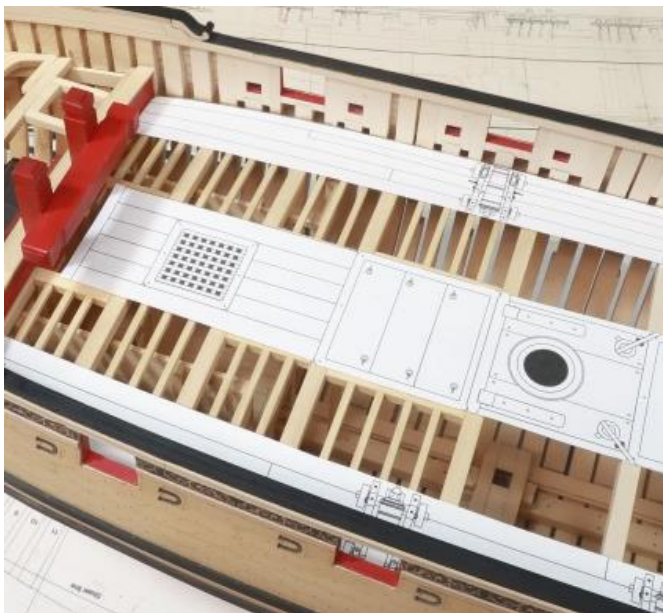


that raises them up to the correct height along the bulwarks. This is rested on the deck clamp. Each ledge is also laser cut slightly longer than you will need. In the photo on the previous page you can see 4 ledges temporarily positioned on the deck clamp. The other end is left to hang over the carling. You can mark actual length you need now on the top of the ledge so it will fit against the side of the carling and can be glued in position.

There are a lot of these so get to it!!!

The larger photo on the previous page shows all of the carlings completed between the first four deck beams.

And just because I truly love templates, I cut up the plans once again showing how the fittings will be located and the planking will look once we get to that stage of the project. This also helps me confirm that I placed all of those beams, carlings and ledges correctly.

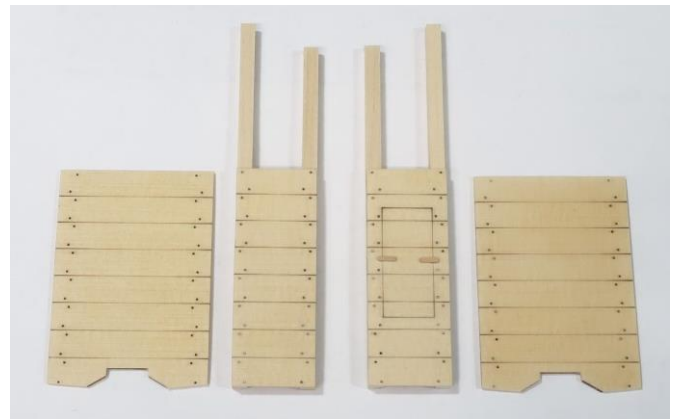


The Well...

Moving our way aft, we can start assembling the well next. This is located just aft of the mast step.

Just like the other fittings on the model, these parts have been laser cut for you with etched lines for the planking.

You will use 1/8" x 1/8" strips for the four corners. One pair must be long enough that it will fit under the deck beam shown on the plans. The forward pair should extend up to



the bottom of the mast partners but nobody will ever see that detail. So just make them long enough to almost be flush with the top of the deck beams there.

Glue the narrow outer panels to the uprights as shown above. The edges are flush so you can then add the wider fore and aft panels. There is what would have been a removable panel on one of the narrow sides of the well. This panel was held in place with two swiveling wood levers. I just made these from some scrap wood about 1/32" thick. Then I glued them on so they looked convincing. Again, this is a detail that looks great but will none-the-less never be seen once the gun deck is planked.



that there are some columns supporting them. They are positioned on top of the keel and are fixed to the underside of the deck beams. These columns are simple and not very fancy as you would see on some larger frigates. They are made from 5/32" x 5/32" Yellow Cedar strips and cut to length. The four corners are chamfered but not for their entire lengths. Use the plans as a guide to shape them.

The Capstan Step...

We are slowly approaching the aft end of the gin deck framing. The next detail we must add is the capstan step. This is a simple detail but may be tricky to position. I found it easier to install with the next two deck beams glued into position that the capstan uprights will fall under.

Building the capstan step is the easy part.



It is 3/8" thick and laser cut for you. The top of the step has a laser etched round circle. This will accept the capstan drum later. Remember to face that on top and not position the step upside down.

With the well completed you can test it in position and make any adjustments to the bottom notch so it sits on top of the keel correctly.



As you might have guessed, with the well in position, you can add the next few deck beams permanently. Under several of these deck beams you may have also noticed on the plans,

On each end is another 5/32" x 5/32" column that has portions of it chamfered. Just examine the plans. I also added some simulated bolts with 40 lb black fishing line on each side where the step is fixed to the columns.

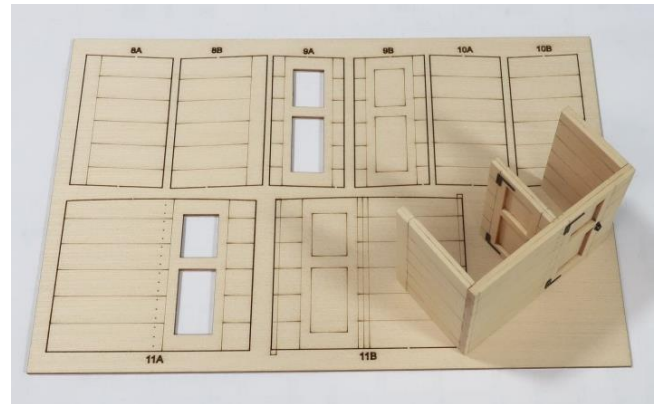


Then position it under the two deck beams. Try your best to center this on the keel and

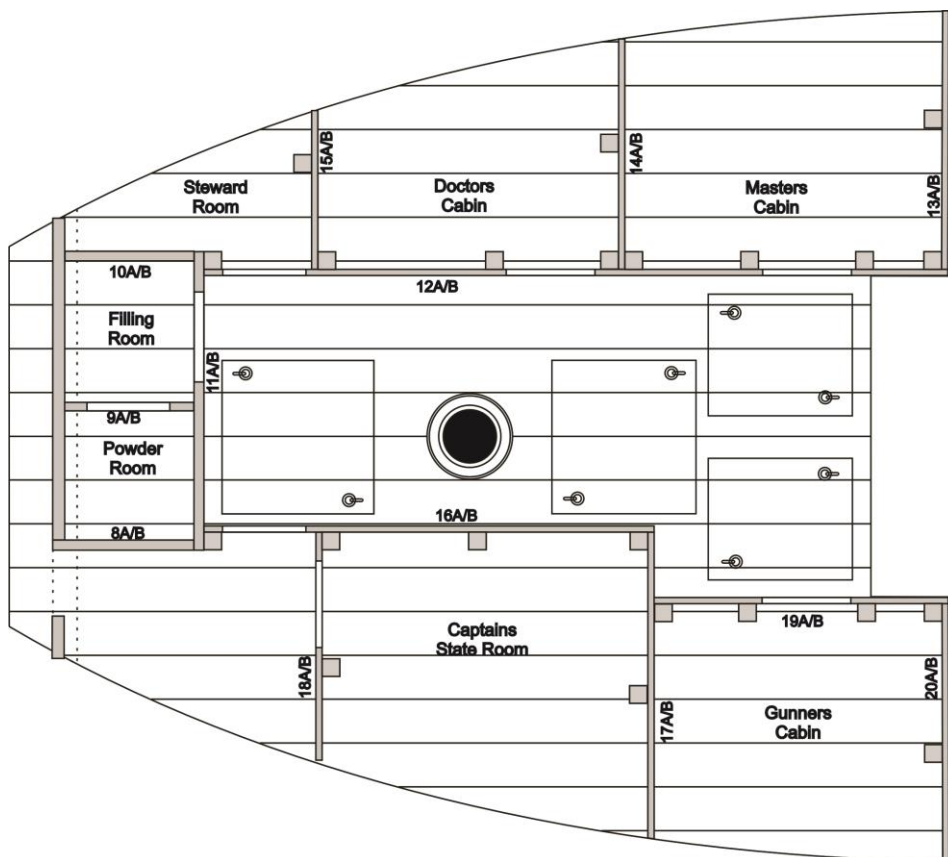
under the center of the deck beams.

Aft Platform Cabins...

We have now reached the aft platform. So now it is time to start building out all of the cabins. By now you must be a pro at building all of these cabin walls. They are once again laser cut for you in two layers. So you won't need much explanation on how to build them and detail them.



I started with the filling room and powder rooms. I built the walls 8, 9, 10 and 11 first. I added all the hinges and door knobs just as before. Then I glued them together using the plans as a guide. Once assembled it was really easy to add and glue the entire assembly on the model.



The one thing you need to remember is to leave about 3/64" gap between the bulkhead panels and the hull frames where the inboard planking would have been. But honestly, after the gun deck is planked you will hardly be able to see this detail if at all. So there is really no need to go crazy getting it perfect.

Try and gently remove the laser



char from the edges of the layers that become door panels but again it's up to you because it will be hidden below deck.

All of the uprights you see in the corners of these cabins and elsewhere are 1/8" x 1/8" strips cut to length. That is basically it. Follow the plans and try not to rush through these





although it can seem repetitive at times. As soon as they are all done, you can add the remaining deck beams followed by the carlings and ledges. This will complete chapter 7.