



## Chapter Eight

### Fittings below the Forecastle and forecastle beams...

There are two rails/fore bits forward and aft of the foremast on the Fcastle. These are interesting fittings in that they extend from the gundeck through and up to the f'castle. So we will start chapter 8 with those. But first a little prep work.

Let us position all of the fcastle beams and adjust their position first.

I knew when I drafted the plans for Winnie ...specifically the deck clamps...that at the extreme bow I would probably incorrectly

space the notches for the deck beams slightly. This turned out to be true. It was difficult for me to design the deck clamps as they rounded the bow so the notches for the beams would be properly spaced and positioned. I knew I would be adjusting them before I started making the fittings below the f'castle beams.

Turns out that only forward six deck beam notches need to be altered. They need to be moved forward a bit in ever increasing amounts as they get closer to the bow. This is very easy to do as you guys only have to widen your notches for those six forward deck

beams. So place all the beams temporarily in their current notches and use the supplied template to see how far forward all of those six beams should be moved. The first beam (or forward most beam) has to be moved 5/32" forward and requires the most extreme shift to the current notches in the deck clamp.

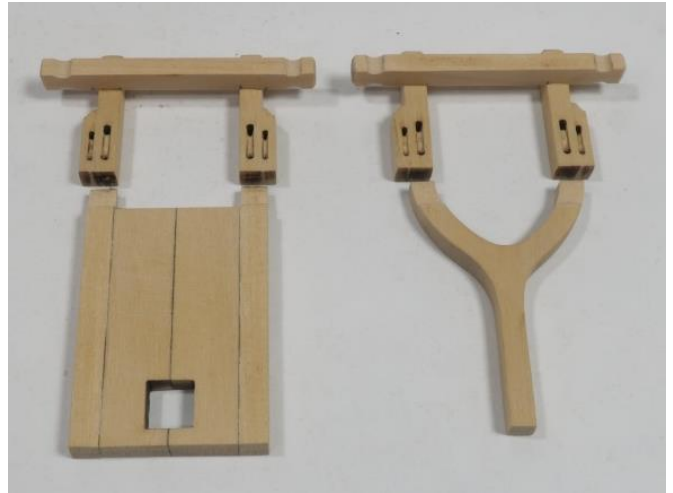
Here is a photo (above on previous page) of the template in position after all the forward deck beams were moved and adjusted to match the template which has been provided for you.

**You will be referring back to this template often as you work.**

With that completed, let's build the bowsprit step and two rails. But remember that these are all one piece on the actual ship; BUT split in half between decks on our model to simplify matters. Even though you will be building the actual rails now for the f'castle they won't be needed until a much later chapter. It is just easier to build them together so they are the same width when completed. This will help the illusion that they are all one piece later on. There is the bowsprit step made from 4 laser cut pieces.....which has a rail above it. Then there is a "Y" shaped element on the aft side of the foremast which also has a rail above it and was one continuous piece. Or at least they should look that way when done.

So build these from the laser cut boxwood pieces. See the photo above right.

**Note the square hole for the aft end of the bowsprit tenon.** That was actually a mistake from my original design. The bowsprit angle was changed during construction as noted on the original draft/plans to a steeper angle. This hole was actually below deck and wouldn't be seen so I removed it and made another which you will see.



Note how the rails are the same width as the parts below deck and thus it is easier to build these together even though we won't be mounting the rails above the deck beams yet. But this is what it will look like and what we are shooting for if it was mounted now as one piece. We are starting with the fourth deck



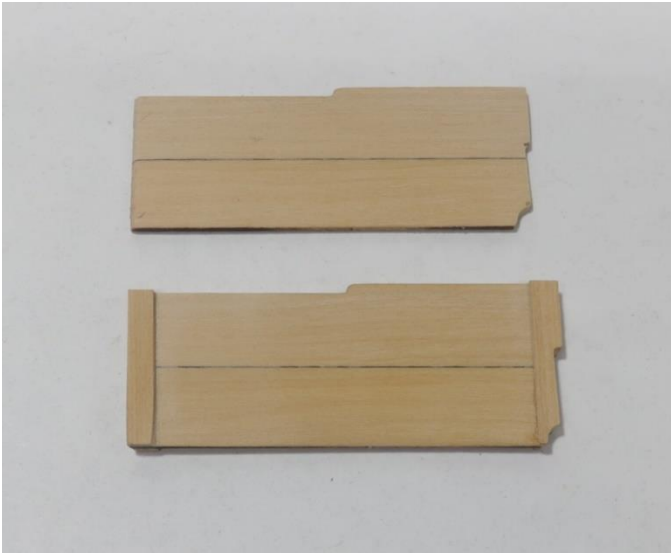
beam from the stem. That should be installed first so you can sit the bowsprit step against it.

The rail is just temporarily in position to show you guys how it should look.

But we are basically adding the fourth beam first.....

Then positioning the bowsprit step. This has a slight aft angle as shown on the plans. Then I added the two manger barriers on either side of the bowsprit step. All painted red as you can see.

The manger barriers are basically a wooden partition on either side of the bowsprit step. They are laser cut for you. First glue the two flat boards together edgewise to form the barrier shown on top in the photo below.



Then take that barrier and position it on the model. Both ends need to be shaped to fit your bulwarks and beveled to fit against the bowsprit step. Each partition will be slightly longer at first so you can take your time and care to get the correct shapes. It should fit snug in position on either side and both should be at the same angle.

Once they fit....add the strips on each end....

1/8" x 1/64" strips to simulate the slotted fixture these two boards would be slid into. Note how the ends are notched carefully to fit along the bulwarks and spircketting and waterway. These partitions were always being removed and repositioned to give access to the manger area.

As you can see I painted mine red.

This is what it looks like all done without the rails above the bowsprit. Above right.



The hanging knees were added to that fourth beam as well before the manger barriers were added.

CAUTION....

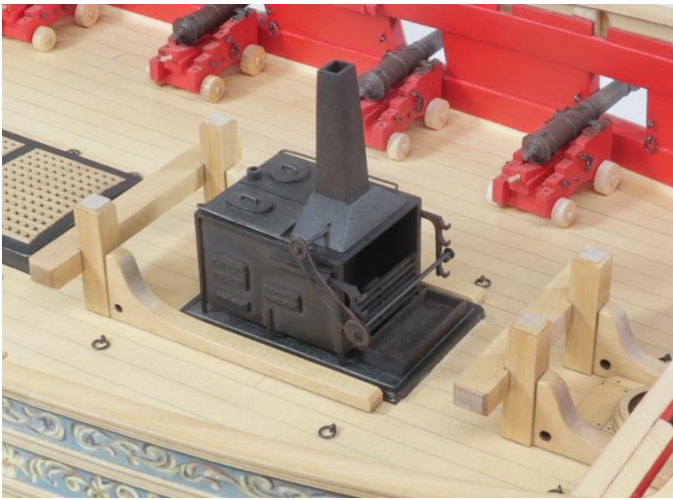
Beware that the position of the manger barrier along the bulwarks. It is important. You will need to keep it clear of where other hanging knees will fall and the scuppers should you choose to show them on your model.

From this point... I added the remaining deck beams....knees and lodging knees moving forward towards the stem. This should be easy peasy for you guys at this point.

Just use the template and plan as a guide. It's no different than adding the beams and knees for the qdeck. The only difference is that they are on the opposite side of the deck beams this time.

The ships stove...

I thought I would mention that the ship's stove is sold separately and has its own set of instructions. This can be bought at any time and built so you can have it ready to place in position.



The cat tails...

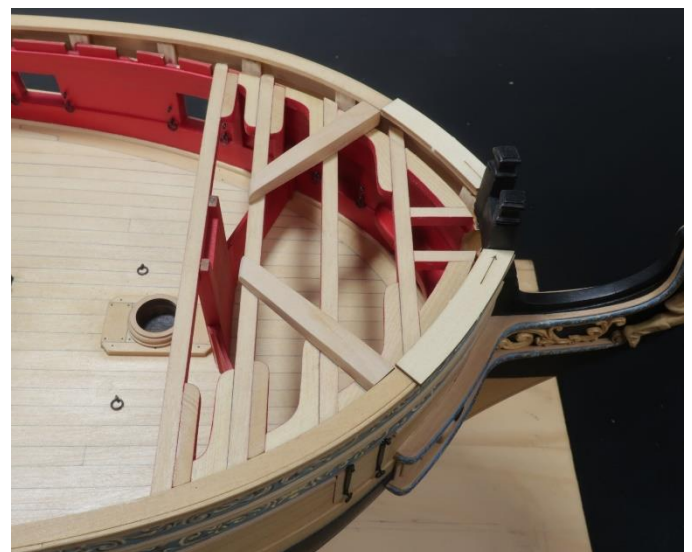
It would be a good idea to install the cat tails now. Like so many other things on this model, we will simplify the cat tail. This would normally be one piece and part of the catheads. But getting those in position properly and getting them the correct shape is very tricky. To simplify this, the cat tails will be placed in position as a separate piece. Then the cathead will be added later so that nobody will be able to tell it was done in two pieces.

Here are some photos of the stove completed and in position on the model.



But how will you know where to place the catheads. First, use the template to get a rough idea. The cat tails are placed under the deck beams. Gluing them to the bottom of the deck beams is tough enough. But getting them placed at the correct angles makes it even trickier.

So to help, I have laser cut two cat tail templates for you. They are only 1/32" thick but will sit on the bulwarks like they were the cap rail. There is an arrow etched on them which points towards the bow. Place these on the model as shown in the photograph. The end with the arrow will butt up against the bollard timbers.



The aft end of these templates has the correct angle on it for the cat tails and catheads to be added later. Draw a line on the top of the bulwarks to mark where the cat tails should be. Check that photo again on the previous page. The cat tails are sitting in the correct position on TOP of the beams for now. See how the forward side lines up with the cat tail templates.

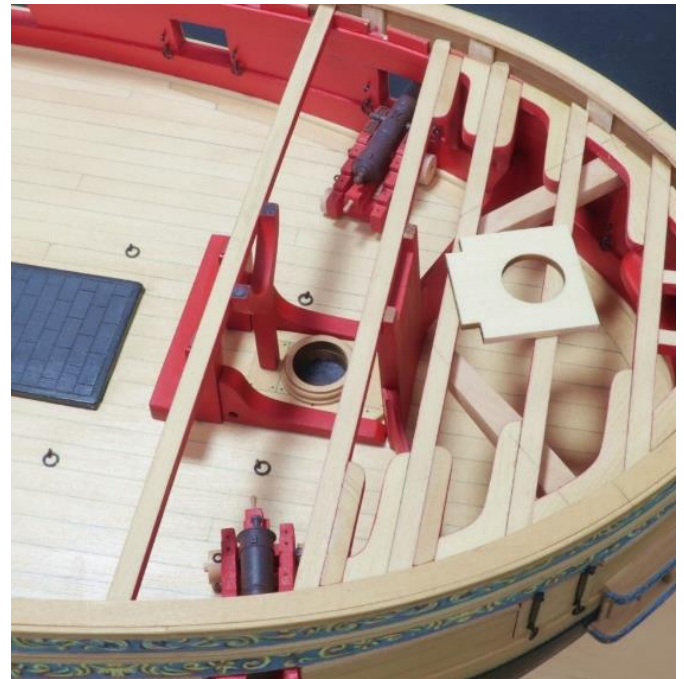
In addition, you should mark some reference lines on the top of the deck beams while the cat tails are sitting in the correct position. This will help you position them on the underside of the deck beams at the same correct angle. Use a sharp pencil. You will always be able to sand those reference marks away once the cat tails are glued to the underside of the deck beams.



Above is a photo showing the cat tails glued to the underside of the deck beams. Note the pencil reference marks on the bulwarks from the templates. These were very useful. Also note the very light reference marks I drew on the top of the deck beams to help me position the cat tails before the glue dried. I used PVA glue so I could manipulate and move the cat tails in the correct position matching my reference marks.

Note how the end of the cat tails are hidden under the lodging knees along the bulwarks.

The fore mast partners...



Examine the photo above carefully. Before the mast partner can be positioned, we need to add the sixth deck beam first.

That is easy enough, but once glued in position, you need to add the "Y" part of the bits against the forward edge of the beam. Make sure its centered port to starboard.

I also built and painted the forward riding bitts. They will be painted red as well. These are straight forward enough and require little explanation. Use the plans as a guide to build them. There are two riding bitts. They are identical except that the standards on the forward side of the riding bitts are much longer on one of them. I wanted to have these made so I could glue the forward riding bitts in position before I finished the mast partner and deck framing above it. All of the pieces of the riding bitts are laser cut for you. They just require a bit of sanding and assembly. They are done just like the many other rails you have built for this model. Sand off the laser char and use various files to clean up the profile o all

four sides of each piece. Especially the uprights.

The actual mast partner is laser cut for you as well. This will require some tweaking so it fits snug between your frames and also around the tops of the "y" bitts sitting against the deck beam.



The photo above shows the fore mast partner glued in position. This was done first. Note how the partners are notched around the "y" bitts. In addition, the mast hole is actually aligned with the mast coat below it. This doesn't matter so much since we won't be rigging the model or adding stump masts.

But try and align the mast partner as close as possible above the coaming below it on the gun deck. The partner is slightly over-sized so you can sand it to fit should you need to move it forward or back slightly. But you won't have too much wiggle room. Should you not be able to make the laser cut version work, then you must use it as a template and make another. Just trace it onto a sheet the same thickness and make the needed adjustments.

In that same photo you can see that I glued two 1/8" x 1/8" carlings on either side of the mast partners. The sides and bottom were painted red first. They were cut to fit snug in position.

There are two half beams on either side of the mast partners. We have been placing a full deck beam in those notches up to this point. But now we have to cut that beam in half and measure each half so it fits snug in position. Use the template to get the positions of these beams correct. I know there are a lot of parts in this area but use the template to check that they are position properly.

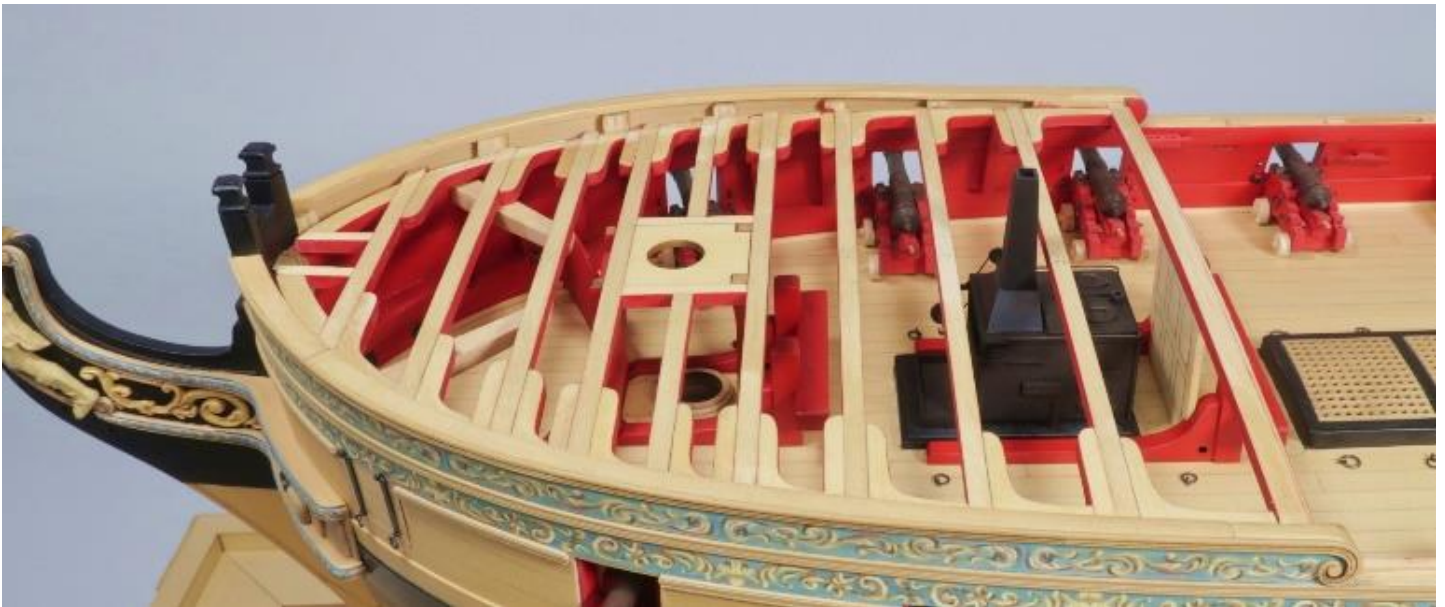
To finish off this step you can now add the knees as called for on that template and the plans provided.

Working our way aft.....

As we work our way aft, continue to add beams and knees. Just like you did for the qdeck in the previous chapter. But when you get need to, add whatever fitting falls below them first before it gets too difficult to do so.



In the photo above you can see I added a few more beams and the knees required. But then I had to glue that stove and drip pan in position permanently before I could do any more of them. I kept using the template to check positions. The aft riding bitts were glued on permanently as well. The stack for the stove is only lightly glued on the stove. I needed to



have it in place to check that it will pass through the beams properly. It must be the proper distance away from the beams because we have a few hatches and coamings that need to be made which won't fit correctly unless the stack is located in its proper place.

So once again...use the template to check.....and re-check all positions.

Finally, all the deck beams and knees have been fitted. Don't forget that the forward breast beam is wider. It has the fancy molding on it just like the beam on the other side of the waist.

With all of the beams completed, I could add that last bulkhead panel. This is basically a wind break panel. It sits on the riding bits as shown above. This could be tricky and you will need to adjust the notches in the laser cut panel. Because it sits on top of the standards for the riding bits which are curved, the edge of the bulkhead panel needs to be beveled to fit snug on top of them. BUT at the same time also fit snug under that beam as well.



We are almost done with Chapter 8....

The last thing we need to add are all the remaining carlings (forward-aft running timbers between deck beams) and the ledges (timbers between the carlings that define the hatch openings).

The carlings were all added first. I painted some long strips of cedar red on both side edges and along the bottom. This was easier to do with a long strip and I can just cut the carlings from this to whatever length I need.

The strip is 1/8" x 1/8" cedar. Just like the carlings we added to each side of the foremast partner.



Time to take out your beam templates again!!!

Use these to mark the locations for all of the carlings on the forecaste and on the qdeck.

Then just cut your carlings to length and glue them in. Normally the carlings would be morticed into the deck beams. You folks are welcome to do that if those kinds of details are important to you. But on our model the carlings will be entirely covered up with deck planking. So it's much easier to just butt them against the deck beams and get a nice snug fit. Keep them all lined up so the coamings can be positioned on top of them correctly in the next chapter. The photo above shows the carlings added to the qdeck.

Be careful not to spread the deck beams apart because you tried to use a carling that was too long!!!

Mizzen mast partner...You will notice the mizzen mast partner in that same photo. It is also laser cut for you and just needs to be glued into position between the beams. The top is flush with the top of the beams. You might also notice that the carlings aft of the



mast partner are left natural. Those won't have their sides painted red.

Above you can see the carlings added to the forecastle deck. But in addition to these there are a few ledges. You can see one just forward of the stove stack and another aft of that. These are smaller timbers that stretch across from carling to carling and define the hatches. Their placement is very important so use the template to find their locations. The ledges are 3/32" x 3/32".



That completes chapter eight. Here is a quick look at the model with some planking templates on it. This shows how the model will look when the decks are all planked. We will be leaving wide areas unplanked so the details on the gun deck can still be seen.

This will all be done in the next chapter.





