

# 10mm Napoleonic Ship

---

## Building Instructions

Laser Dream Works

4/27/2015

## Table of Contents

<b>French Gunboat .....</b>	<b>3</b>
<b>Spanish Gunboat.....</b>	<b>6</b>
<b>American Gunboat.....</b>	<b>9</b>
<b>British Gunboat.....</b>	<b>12</b>
<b>8 Gun Cutter .....</b>	<b>15</b>
<b>Bomb Ketch .....</b>	<b>19</b>
<b>10 Gun Cutter .....</b>	<b>22</b>
<b>10 Gun Brig .....</b>	<b>27</b>
<b>12 Gun Xebec.....</b>	<b>32</b>
<b>18 Gun Brig .....</b>	<b>36</b>
<b>18 Gun Sloop .....</b>	<b>42</b>
<b>26 Gun Frigate .....</b>	<b>48</b>
<b>MAST LENGTH TABLE.....</b>	<b>56</b>

# 10mm French Gunboat

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Deck

Lay the main deck (Part 1) on your workspace. Glue the rudder (part 2) into the slot at the stern of the ship as shown in figure 1.

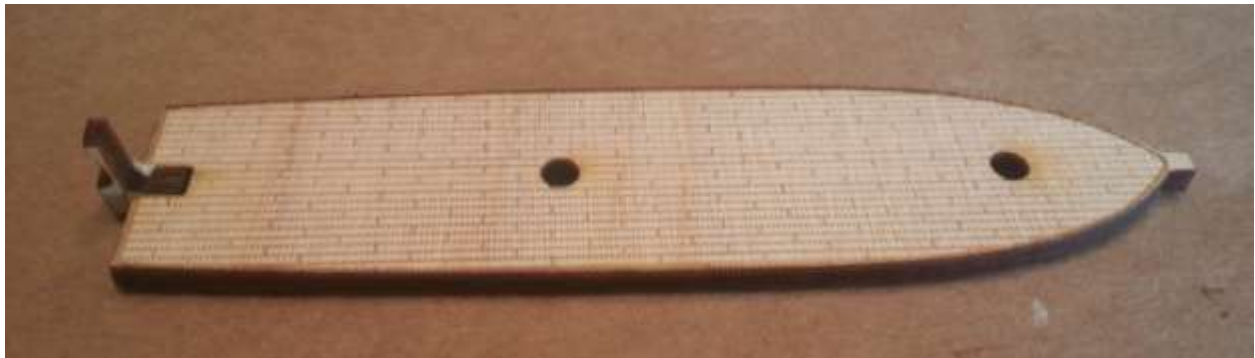


Figure 1

## Step 2: The Sidewalls

Glue the Benches (Part 3) on top of the main deck (part 1) as shown in figure 3. Then place the side walls (part 4) on top of part 3 as shown in figure 3.

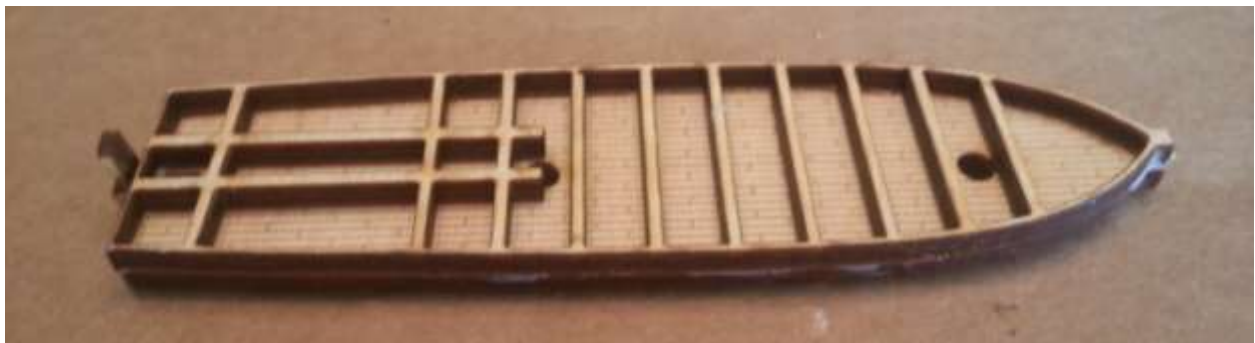


Figure 2

### Step 3. The Foremast

Place a 2.5" long dowel rod into the hole in the deck closest to the bow of the ship. Then lash a 2.5" inch long dowel rod using a diagonal lashing to create the lateen sail. See figure 4.



Figure 3

### Step 4. The Main Mast

Place a 2.5" dowel rod into the remaining hole in the main deck. Slide spanker boom support (part 6) down over the mast so it is about a half inch above the deck and glue it in place so the long end is pointed to the stern of the ship. Glue a 2inch dowel to the spanker boom support. Finally, slide a gaff support (part 5) down the mast about a quarter of an inch and glue it in place so that the oval hole is facing the stern. Insert a 2" dowel into the gaff support so that it angles up at a 45 degree angle.

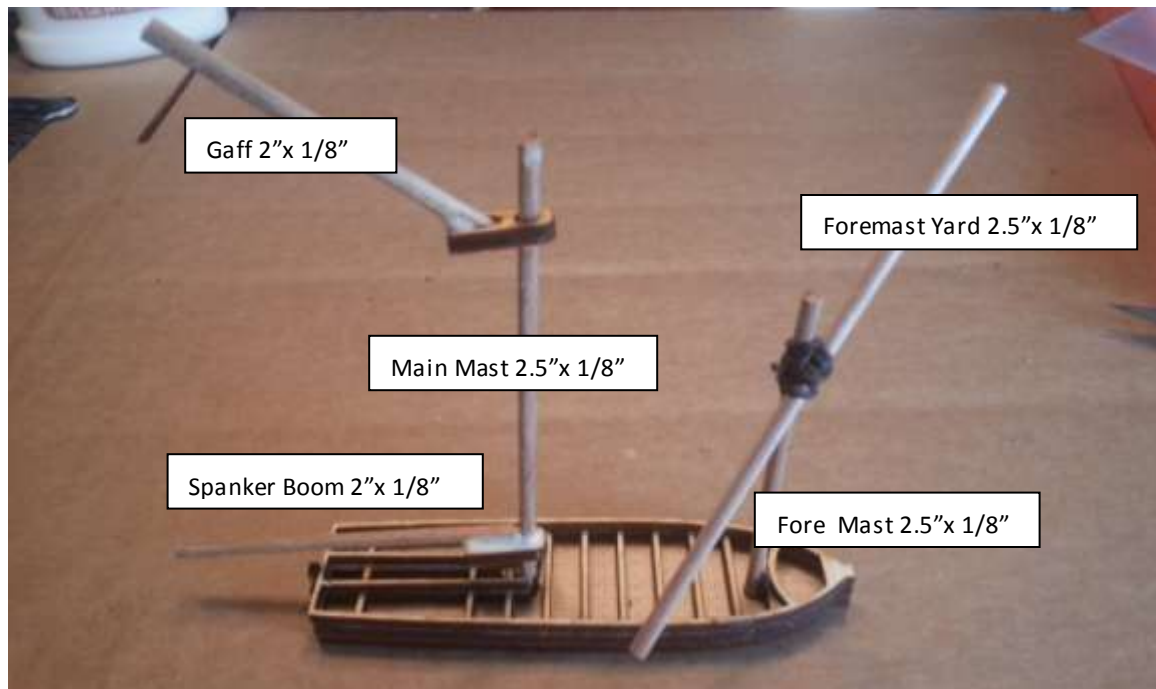
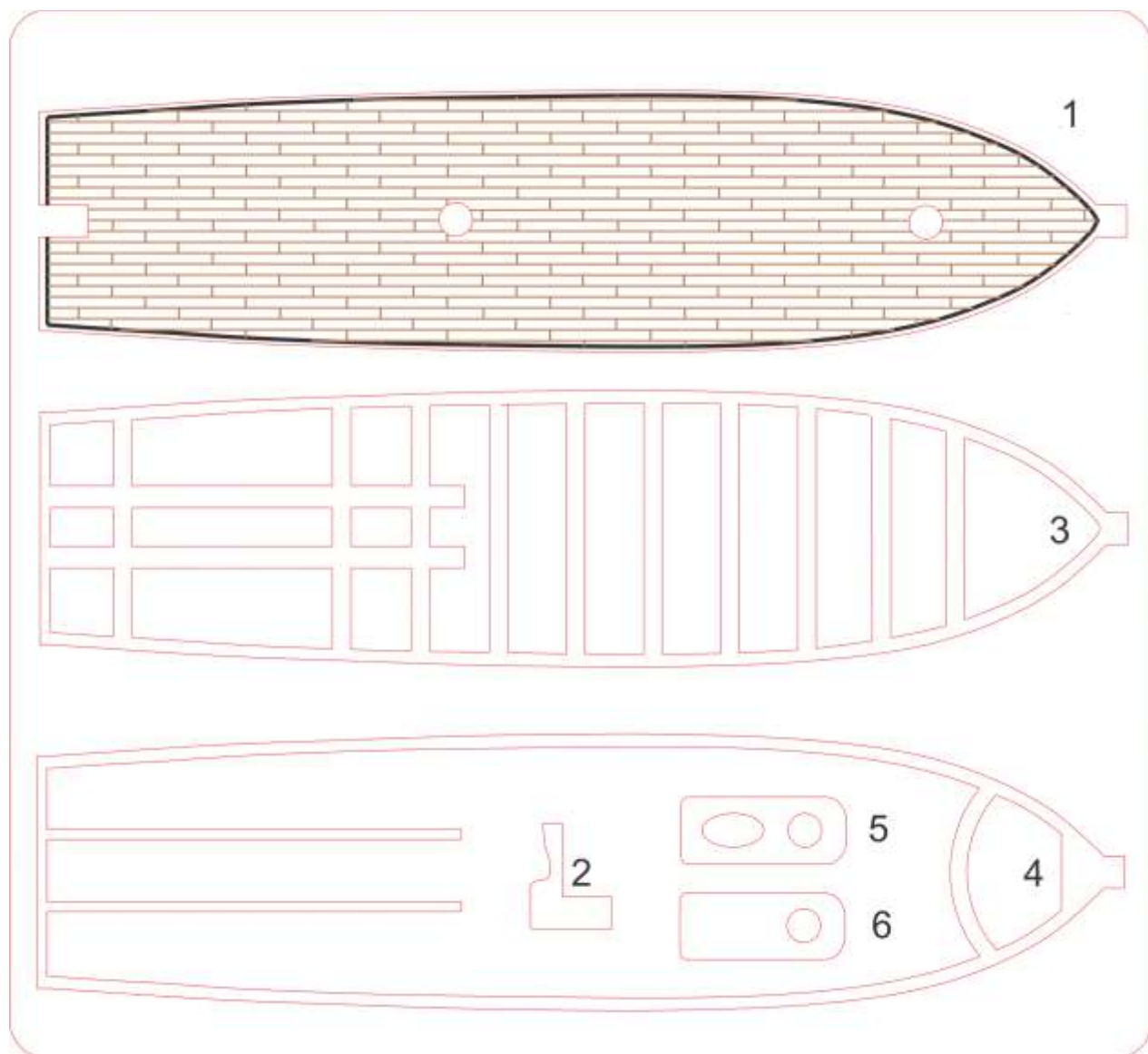


Figure 4



# 10mm Spanish Gunboat

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Deck

Lay the hull (Part 1) on your workspace. Glue the bow (part 2) into the slot at the front of the ship and the rudder (part 3) as shown in figure 1.

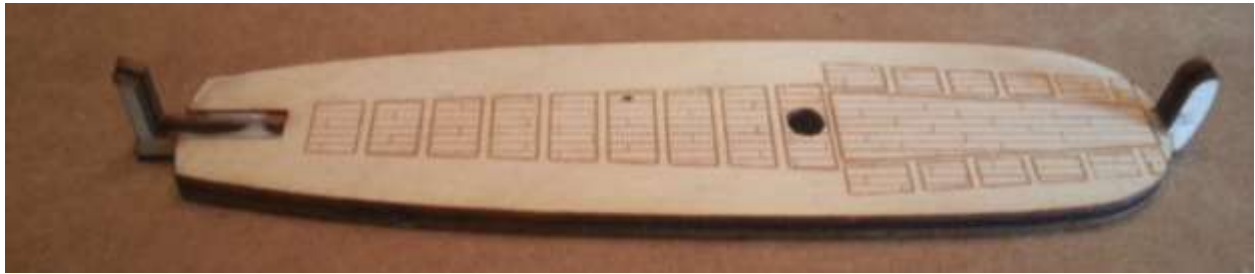


Figure 1

## Step 2: The Main Deck

Glue the main deck (Part 4) on top of the hull (part 1). The main deck has a trapezoid shaped insert which serves as a firing platform for the forward mounted cannon. You can either mount this flat into its space in the main deck or angle it up towards the bow as shown in figure 2.



Figure 2

## Step 3. The Sidewalls

Glue the railings (parts 4, 5 and 6) onto the main deck (part 3) as shown in figure 3.

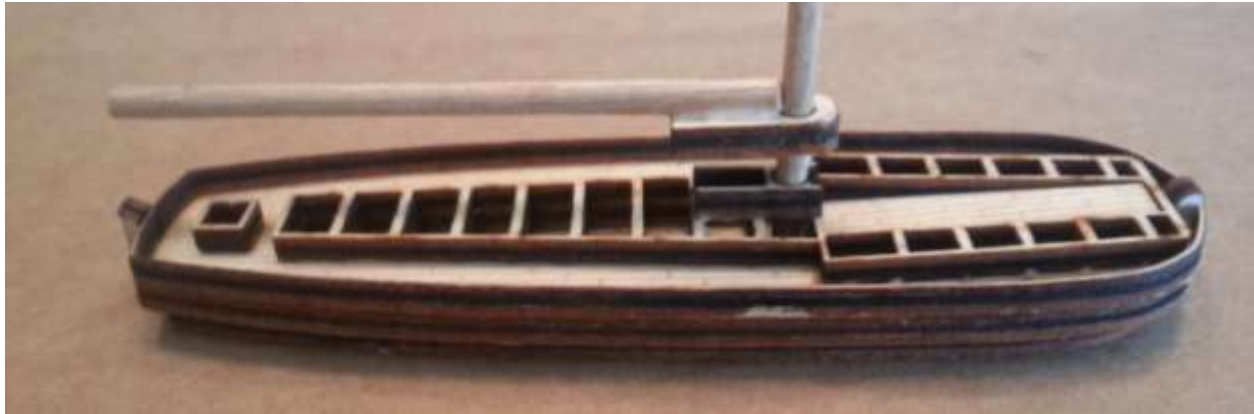


Figure 3

### Step 4. The Main Mast

Place a 2.5" dowel rod into the hole in the main deck. Slide spanker boom support (part 6) down over the mast so it is about a half inch above the deck and glue it in place so the long end is pointed to the stern of the ship. Glue a 2" dowel to the spanker boom support. Finally, slide a gaff support (part 5) down the mast about a quarter of an inch and glue it in place so that the oval hole is facing the stern. Insert a 2" dowel into the gaff support so that it angles up at a 45 degree angle.

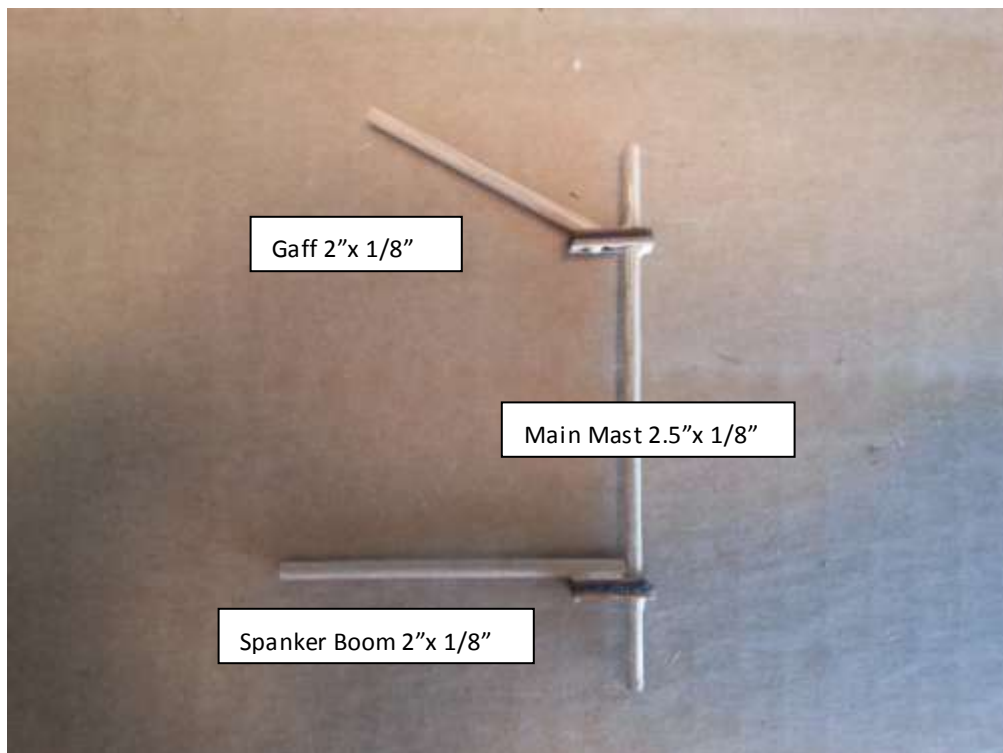
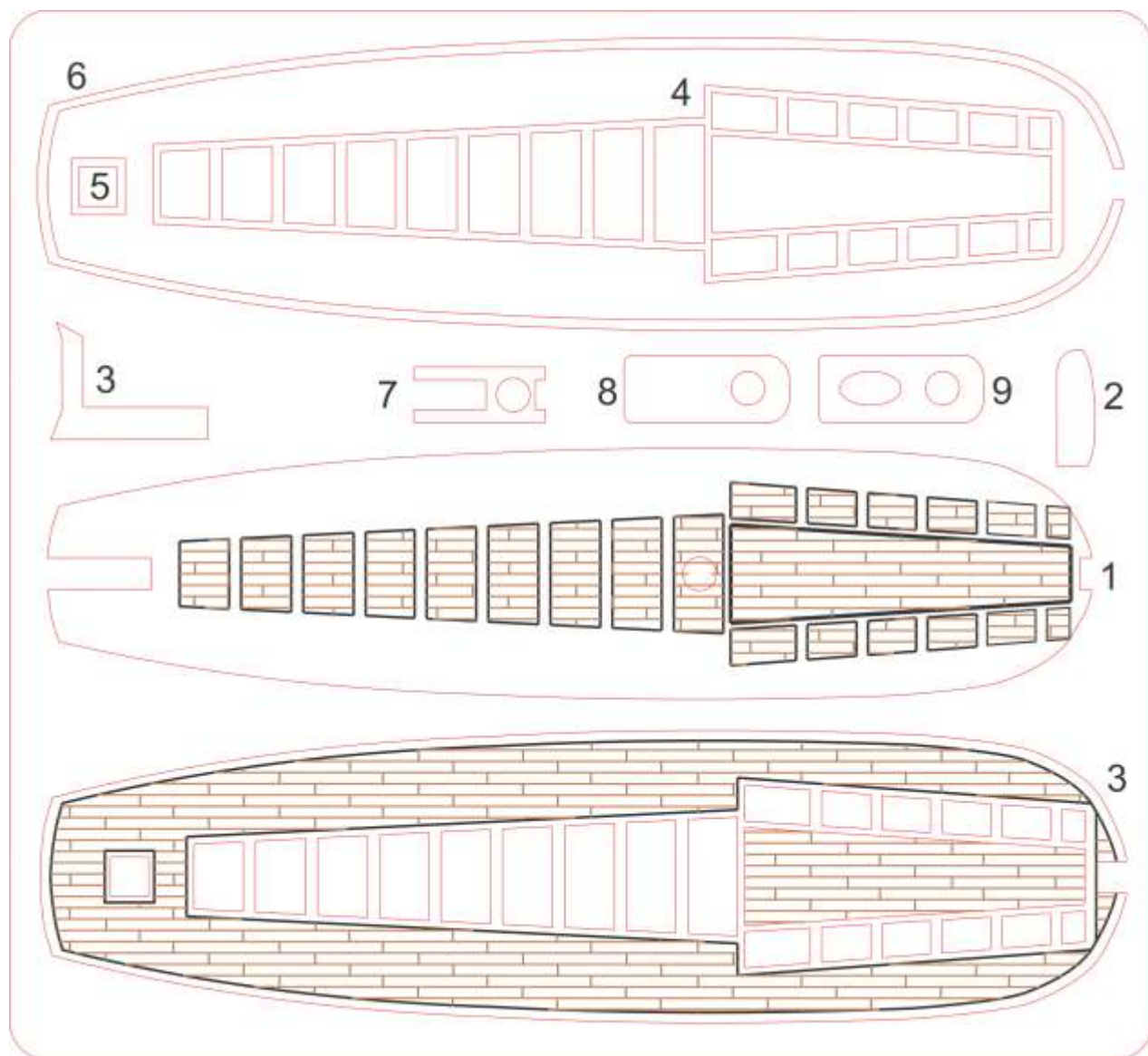


Figure 4







# 10mm American Gunboat

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Deck

Lay the hull (Part 1) on your workspace. Glue the rudder (part 2) into the slot at the stern of the ship and the prow (part 3) in the slot at the front of the ship as shown in figure 1.



Figure 1

## Step 2: The Main Deck

Glue the main deck (Part 4) on top of the hull (part 1) as shown in figure 2. Then place the side walls (part 4) on top of part 3 as shown in figure 3.



Figure 2

### Step 3: The Sidewalls and Deck Details.

Glue the sidewall (Part 5) on top of the main deck (part 4) as shown in figure 3. You will have to carefully slide part 5 over the rudder to get the parts to fit. Then glue the cannon mount (parts 6) and the deck hatches (parts 7, 8, and 9) onto the main deck.

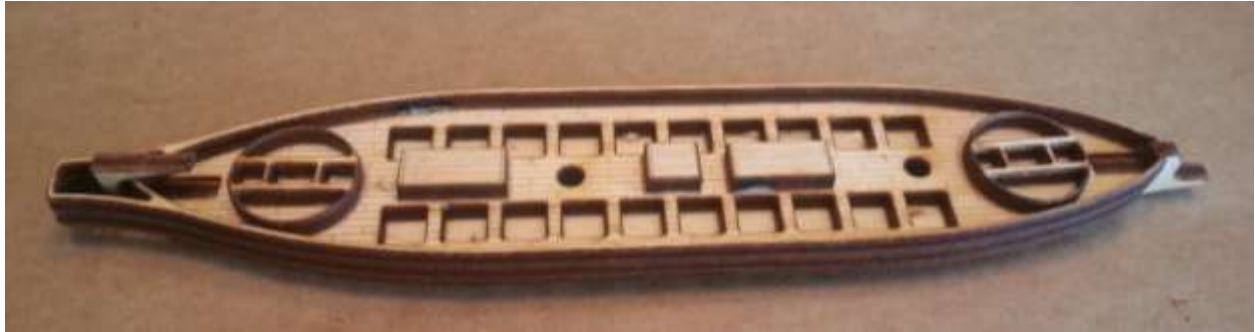


Figure 3

### Step 3. The Masts

Place a 2.5" long dowel rod into the hole in the deck closest to the bow of the ship. Then lash a 4" inch long dowel rod using a diagonal lashing to create the lateen sail. Repeat this step with the other mast hole. See figure 4.

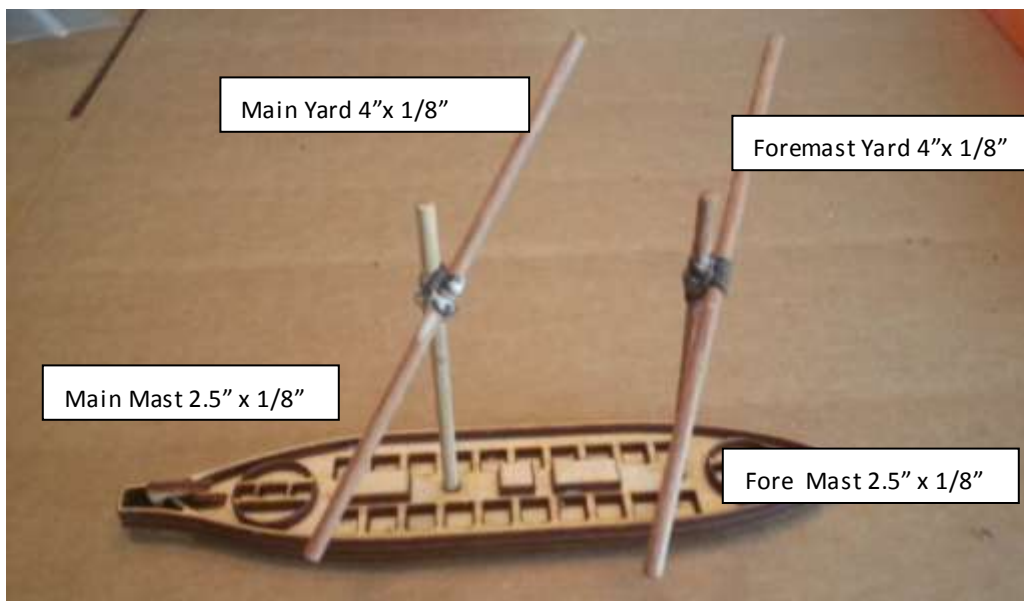
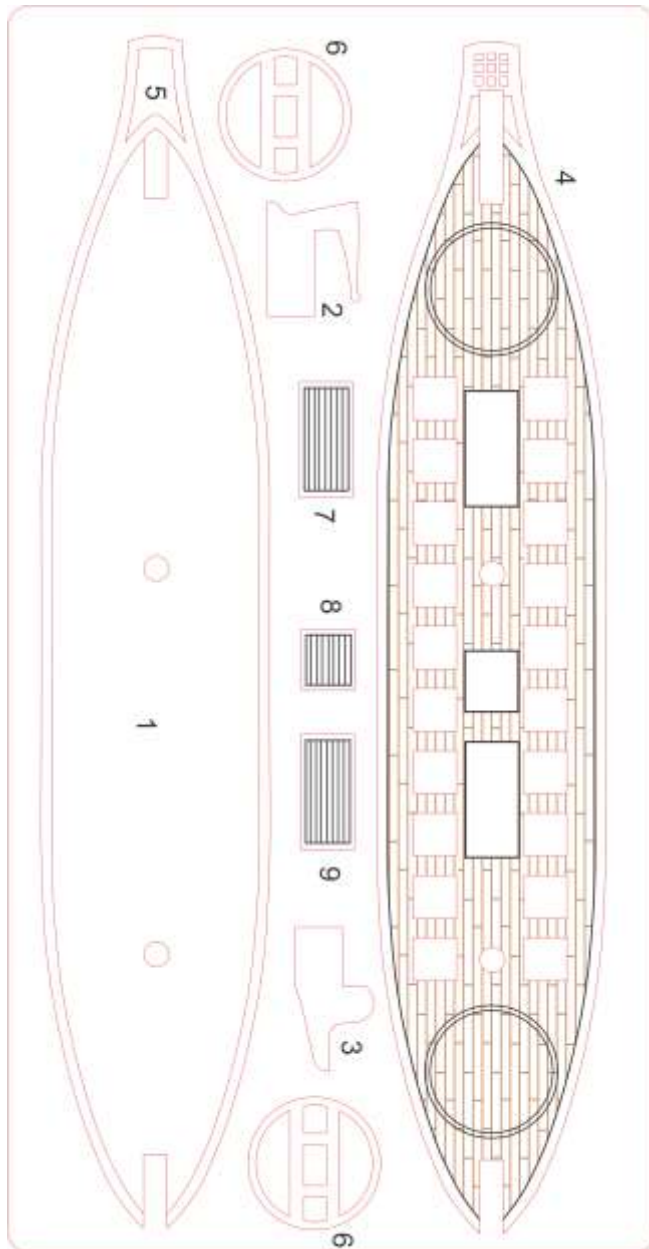


Figure 4



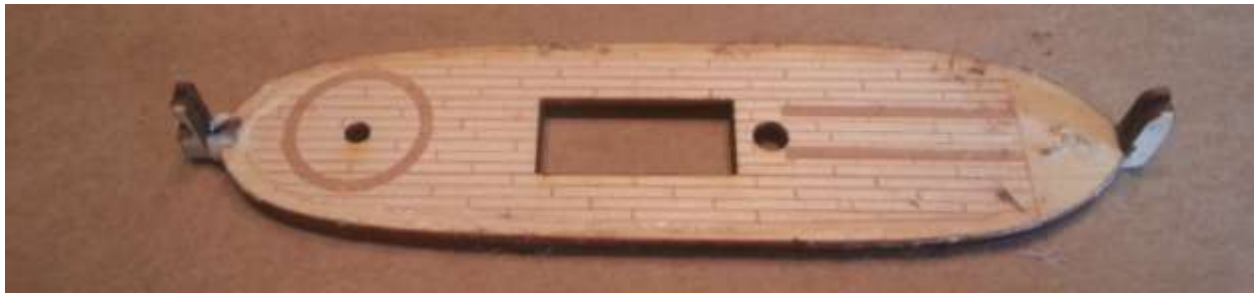
# 10mm British Gunboat

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

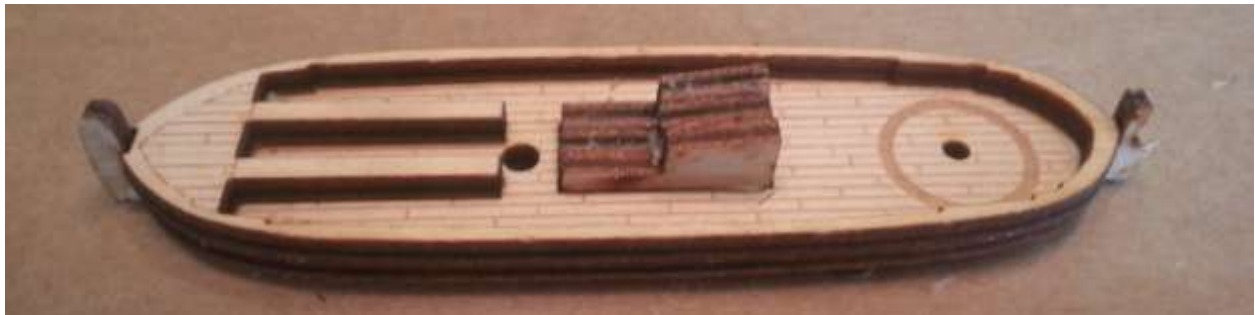
## Step 1: The Deck

Lay the main deck (Part 1) on your workspace. Glue the prow (part 2) into the slot at front of the ship and the rudder (part 3) in the slot at the stern of the ship as shown in figure 1.



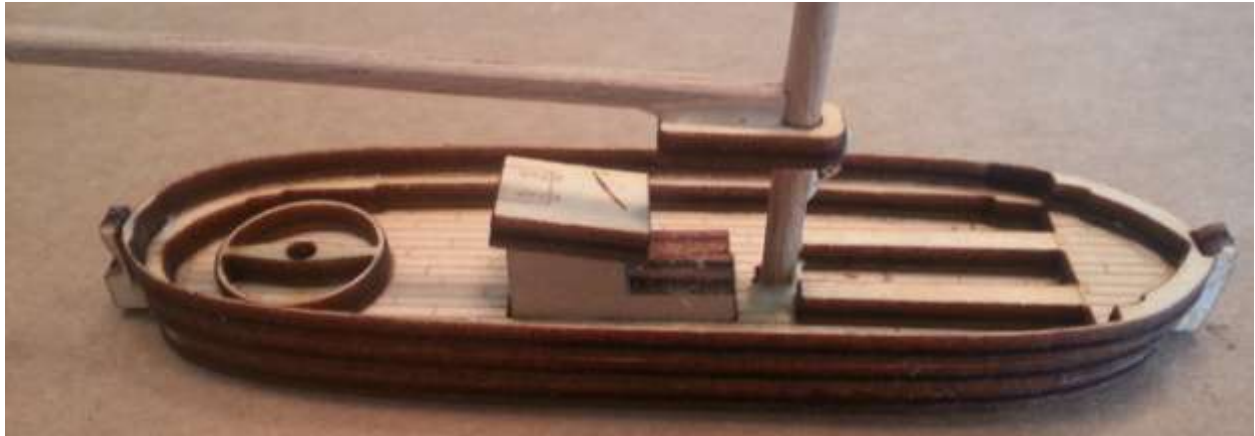
## Step 2: The Sidewalls

Glue the sidewalls (Part 4) on top of the main deck (part 1) as shown in figure 2. Then glue all three deckhouse wall (part 6) together and insert them in the hole in the deck of the ship.



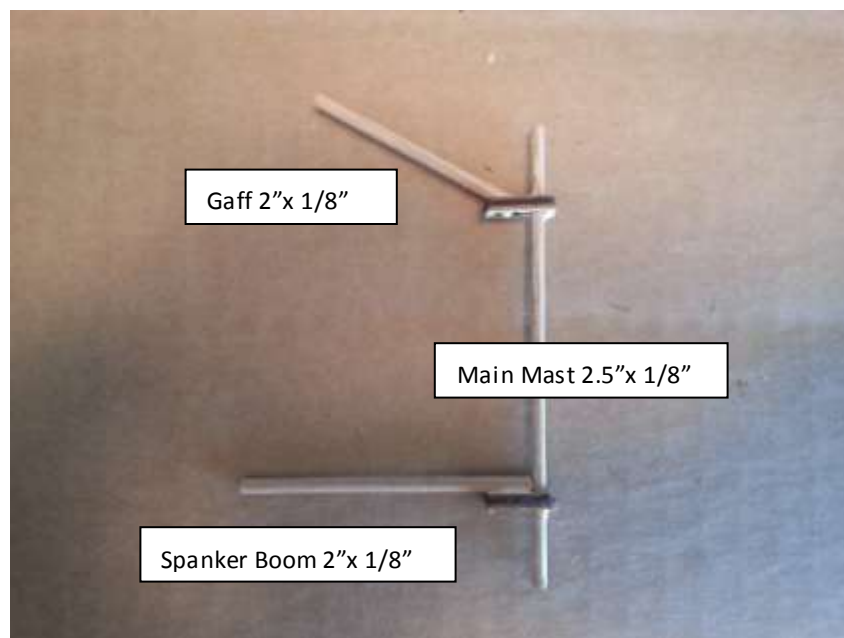
### Step 3. The Deck details.

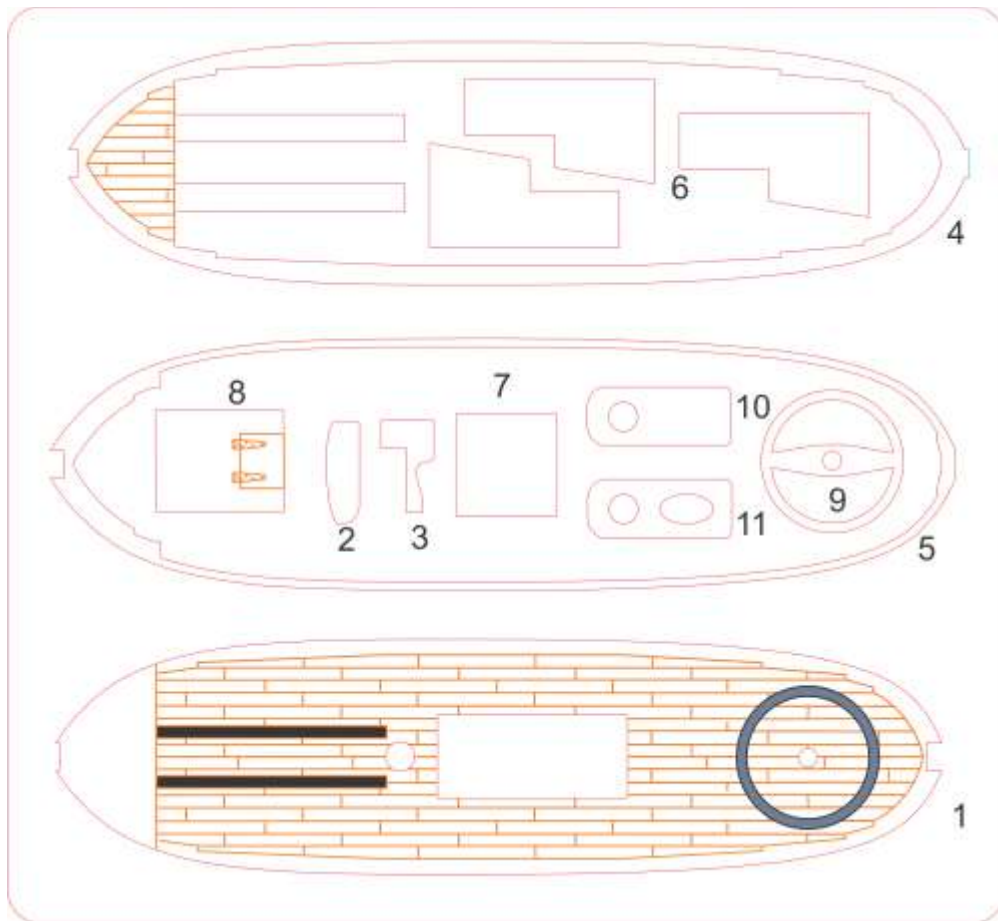
Glue the deck house roofs (parts 7 and 8) onto the top of the deck house. Finally add the cannon turret mount (part 9) onto the main deck as shown.



### Step 4. The Main Mast

Place a 2.5" dowel rod into the remaining hole in the main deck. Slide spanker boom support (part 6) down over the mast so it is about a half inch above the deck and glue it in place so the long end is pointed to the stern of the ship. Glue a 2" dowel to the spanker boom support. Finally, slide a gaff support (part 5) down the mast about a quarter of an inch and glue it in place so that the oval hole is facing the stern. Insert a 2" dowel into the gaff support so that it angles up at a 45 degree angle.







# 10mm 8-Gun Cutter

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Deck

Lay the hull (Part 1) on your workspace. Glue the prow (part 2) into the slot at the front of the ship and then glue the rudder (part 3) into the slot at the stern of the ship as shown in figure 1.



Figure 1

## Step 2: The Main Deck

Glue the main deck (Part 4) on top of the hull (part 1) as shown in figure 2. Then place the first layer of side walls (part 5) making sure you can see the etched lines that mark the gun ports so they are face up as shown in figure 3. There are actually two Part 5s, one for the starboard and one for the port side.

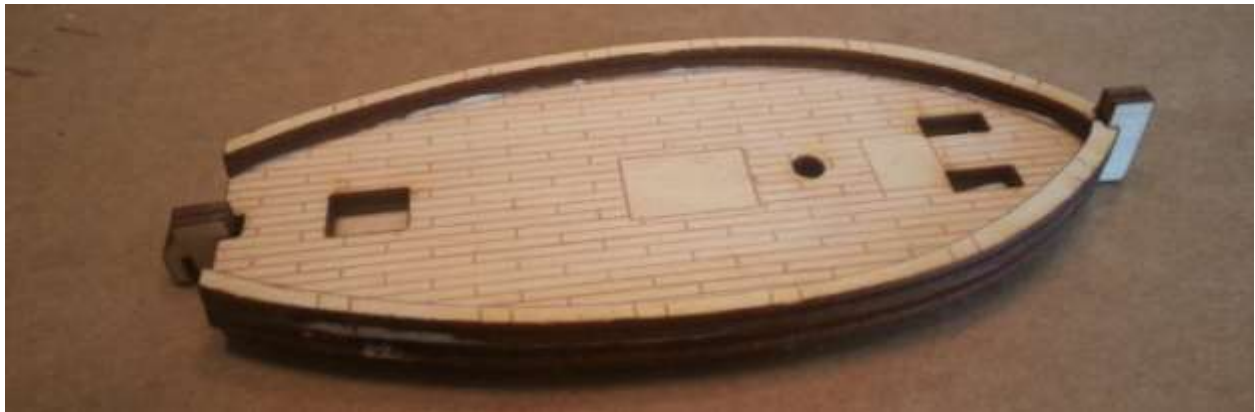


Figure 2



### Step 3. The Gun Ports

We will continue with the side walls by adding in another layer using (Part 6). This is actually a set of parts that line up with the lines marked for the gun ports as shown in figure 3.

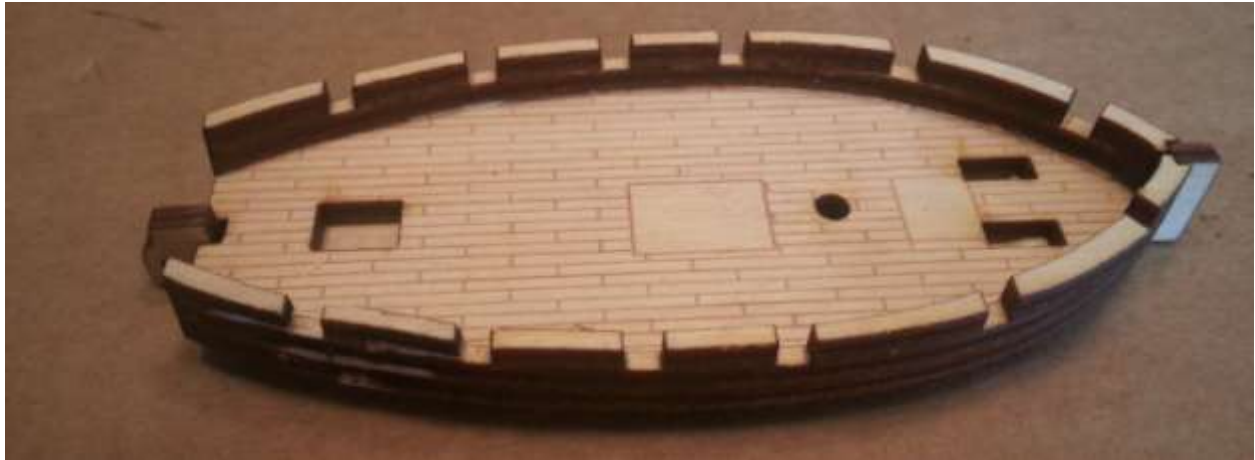


Figure 3

### Step 4. Finish the Side Walls

Finish the side walls by gluing the railing (part 7) on top of the gun ports. Then glue the stern plate (part 8) onto the back of the ship as shown in figure 4.

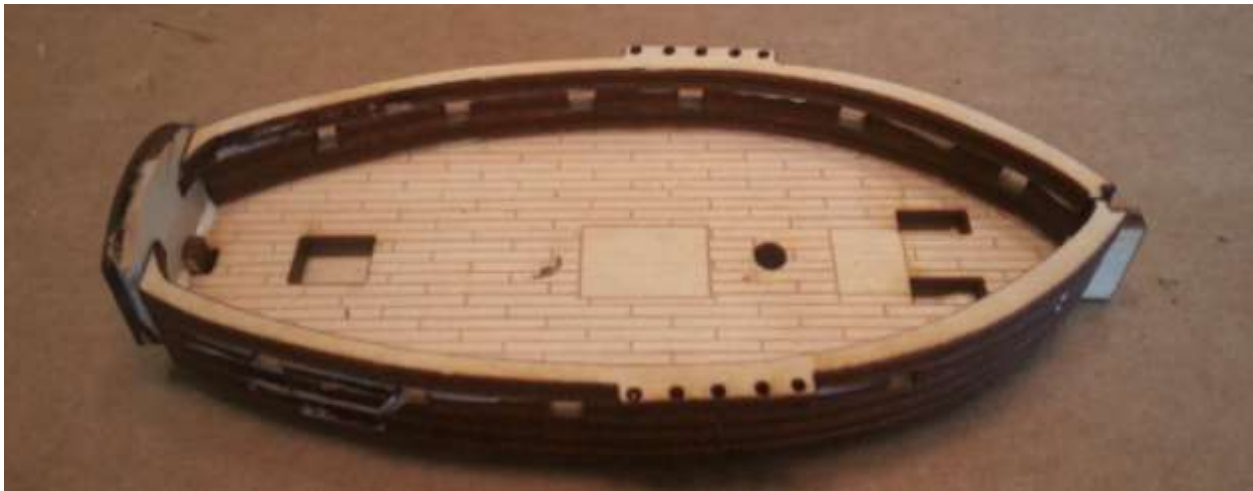


Figure 4

### Step 5. The Deck Details

We will start at the rear and work our way forward. First glue the two pieces of the deck house (parts 10) together and insert them in the hole in the deck. Cap this off with the roof (part 11). The high part of the deck house should face rearward. Then glue the two deck grates (Part 9 and 12) onto the areas marked on the main deck. Finally we will build the bowsprit support by gluing the two supports (part 13) into the holes in the deck and then the cross bar (part 14) into the notches in Part 13. Finally glue a

2.5" dowel into the hole in (part 14). This will case the assembly to lean backwards slightly as shown in figure 5 below.

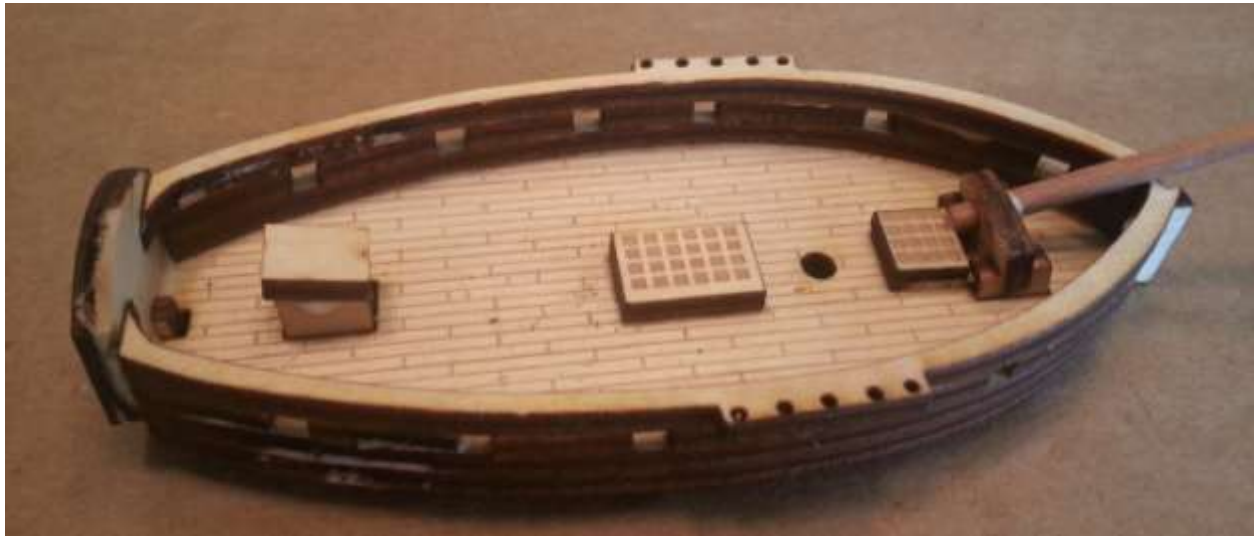


Figure 5

## Step 6. The Main Mast

Place a 2.5" dowel rod into the hole in the main deck. Slide spanker boom support (part 16) down over the mast so it is about a half inch above the deck and glue it in place so the long end is pointed to the stern of the ship. Glue a 2.5 inch dowel to the spanker boom support. Next, slide a gaff support (part 17) down the mast about an inch and glue it in place so that the oval hole is facing the stern. Insert a 2" dowel into the gaff support so that it angles up at a 45 degree angle. Repeat this again using gaff support (part 19) facing forward and using a 1.5" dowel as the forward gaff. Next we will add the top mast by using two mast support collars (part 18) sliding them down over the main mast with the extra hole facing forward. Then add a 2" dowel as the top mast as shown in figure 6. Finally add one more rearward gaff using (part 19) and a 1.5" dowel.

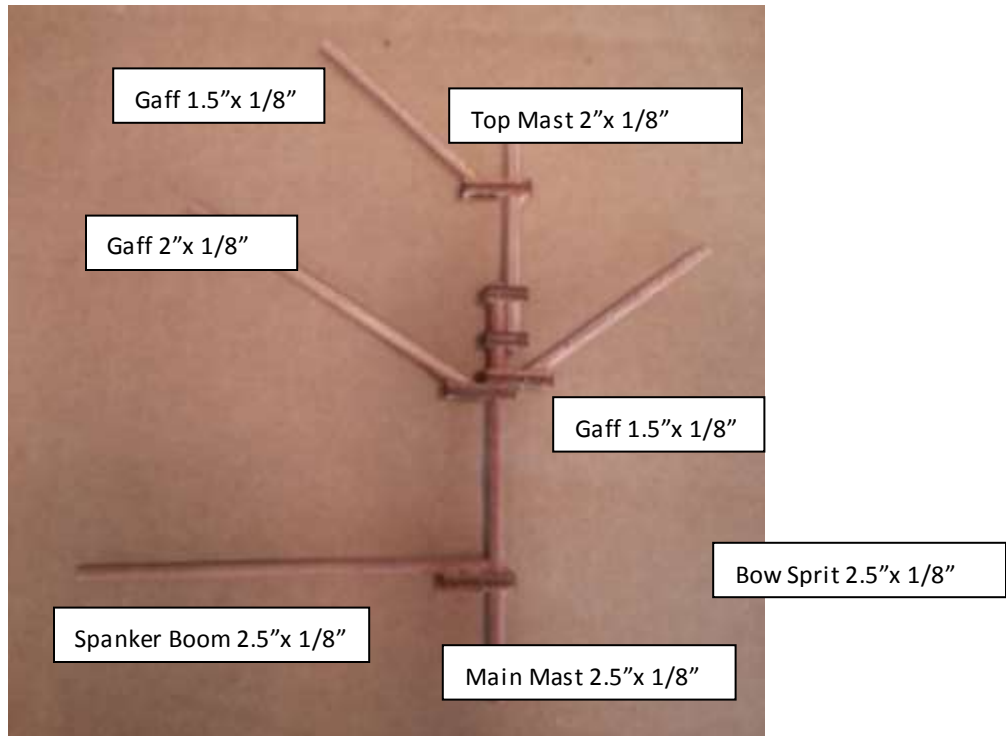
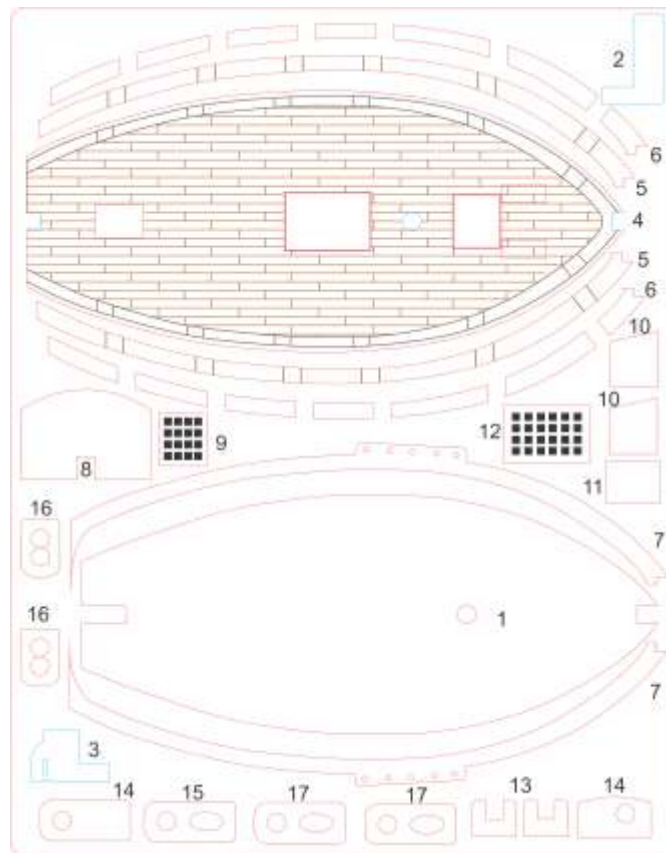


Figure 6



# 10mm Bomb Ketch

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Hull

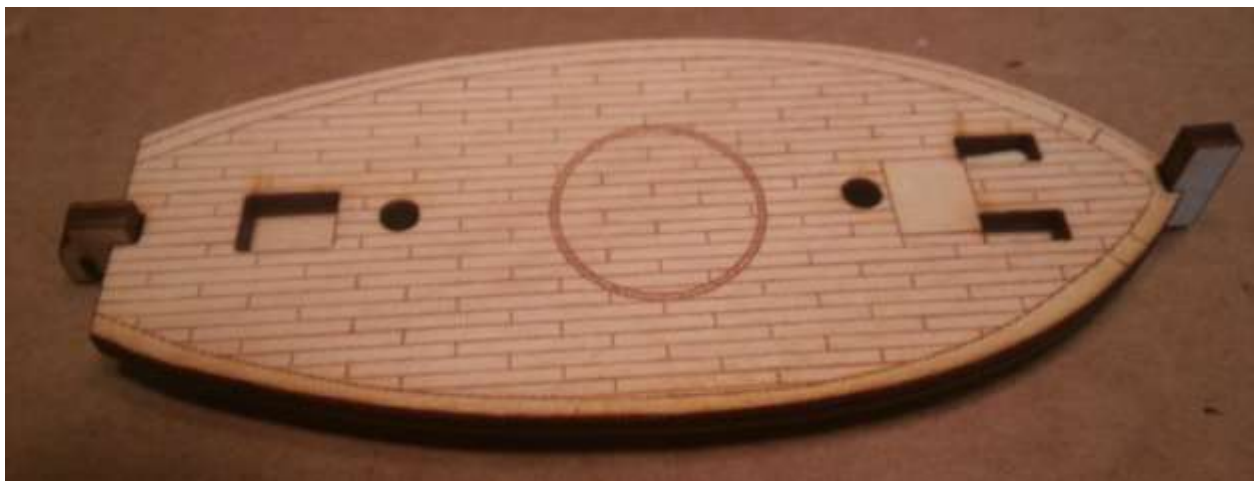
Lay the hull (Part 1) on your workspace. Glue the prow (part 2) into the slot at the front of the ship and then glue the rudder (part 3) into the slot at the stern of the ship as shown in figure 1.



Figure 1

## Step 2: The Main Deck

Glue the main deck (Part 4) on top of the hull (part 1) as shown in figure 2.



### Step 3. The Sidewalls

We will continue by building the sidewalls using three layers. Start by gluing (part 5) on to both the port and starboard side. Build a second layer using (Part 6) Finish the side walls by gluing the railing (part 7) on top of the gun ports. Then glue the stem plate (part 8) onto the back of the ship as shown in figure 3.

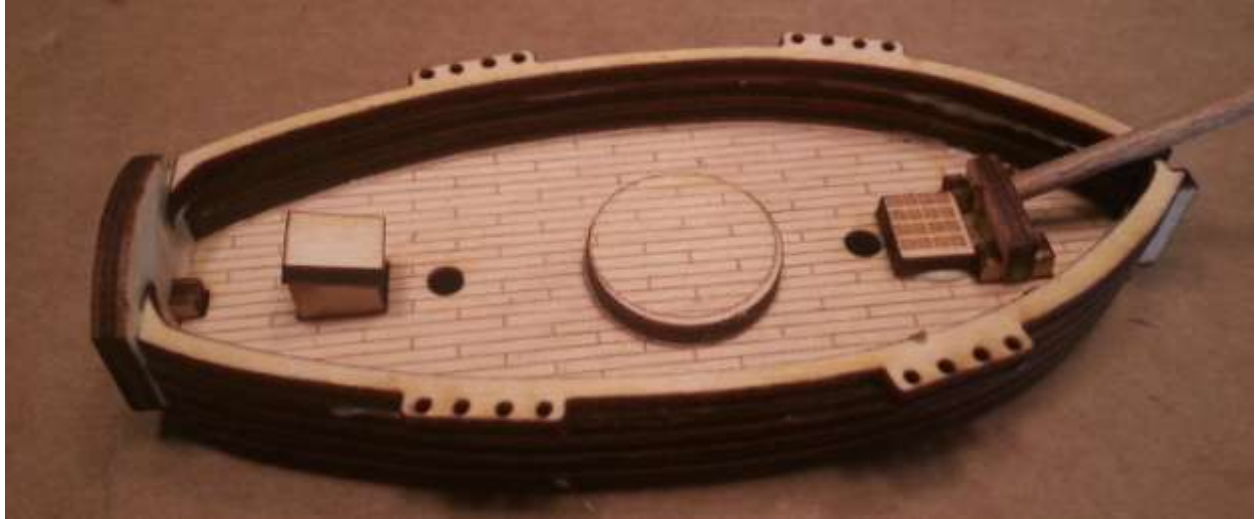


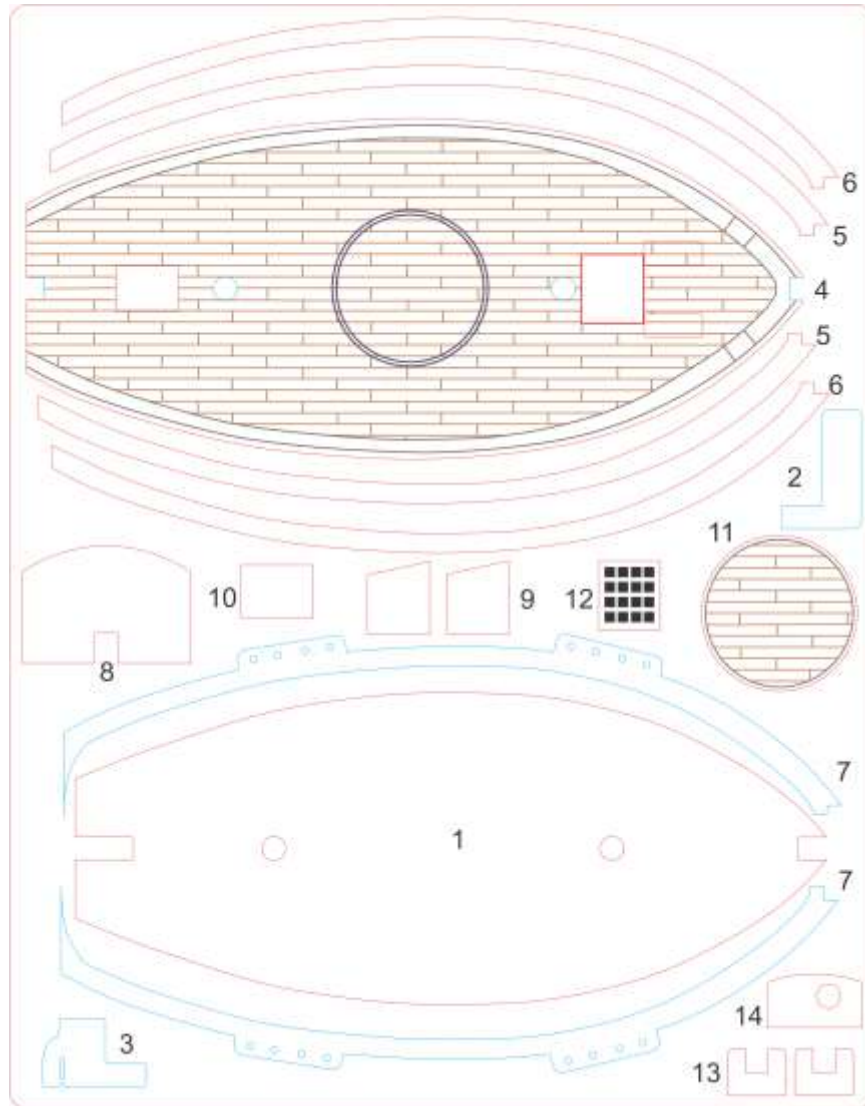
Figure 3

### Step 4. The Deck Details

We will start at the rear and work our way forward. First glue the two pieces of the deck house (parts 9) together and insert them in the hole in the deck. Cap this off with the roof (part 10). The high part of the deck house should face rearward. Then glue the gun platform and grates (Part 11 and 12) onto the areas marked on the main deck. Finally we will build the bowsprit support by gluing the two supports (part 13) into the holes in the deck and then the cross bar (part 14) into the notches in Part 13. Finally glue a 2.5" dowel into the hole in (part 14). This will case the assembly to lean backwards slightly as shown in figure 3 above.

### Step 5. The Main Masts

Place a 2.5" long dowel rod into the hole in the deck closest to the bow of the ship. Then lash a 4" inch long dowel rod using a diagonal lashing to create the lateen sail. Repeat this step with the other mast hole. See figure 3.





# 10mm 10-Gun Cutter

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Deck

Lay the hull (Part 1) on your workspace. Glue the prow (part 3) into the slot at the front of the ship and then glue the rudder (part 2) into the slot at the stern of the ship as shown in figure 1.

Insert Figure 1 here.

## Step 2: The Main Deck

Glue the main deck (Part 4) on top of the hull (part 1) as shown in figure 2. Then place the first layer of side walls (part 5) making sure you can see the etched lines that mark the gun ports so they are face up as shown in figure 2. There are actually two Part 5s, one for the starboard and one for the port side.

Insert figure 2 here

## Step 3. The Gun Ports

We will continue with the side walls by adding in another layer using (Part 6). This is actually a set of parts that line up with the lines marked for the gun ports as shown in figure 3.

Insert figure 3 here

## Step 4. Finish the Side Walls

Finish the side walls by gluing the railing (part 7) on top of the gun ports. Then glue the stern plate (part 8) onto the back of the ship as shown in figure 4.

Insert figure 5.

## Step 5. The Deck Details

We will start at the rear and work our way forward. First glue the two pieces of the deck house (parts 9) together and insert them in the hole in the deck. Cap this off with the roof (part 10). The high part of the deck house should face rearward. Then glue the three deck grates (Part 11, 12, and 13) onto the



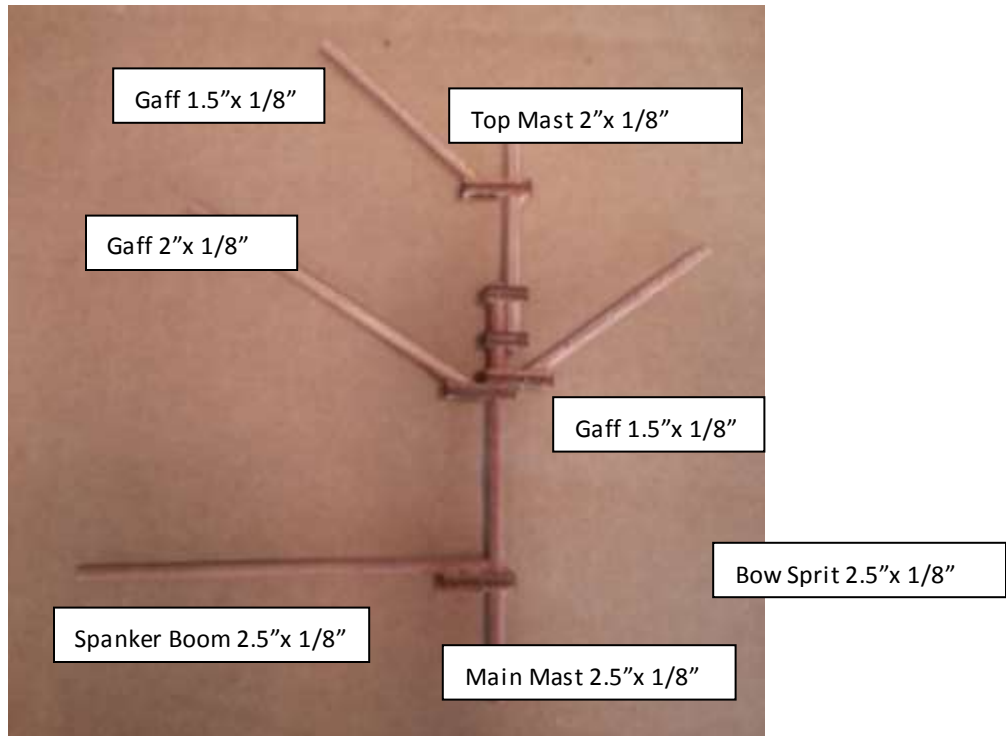
areas marked on the main deck. Finally we will build the bowsprit support by gluing the two supports (part 14) into the holes in the deck and then the cross bar (part 15) into the notches in Part 14. Finally glue a 2.5" dowel into the hole in (part 14). This will cause the assembly to lean backwards slightly as shown in figure 5 below.

## **Step 6. The Main Mast**

Place a 2.5" dowel rod into the hole in the main deck. Slide spanker boom support (part 16) down over the mast so it is about a half inch above the deck and glue it in place so the long end is pointed to the stern of the ship. Glue a 2.5 inch dowel to the spanker boom support. Next, slide a gaff support (part 17) down the mast about an inch and glue it in place so that the oval hole is facing the stern. Insert a 2" dowel into the gaff support so that it angles up at a 45 degree angle. Repeat this again using gaff support (part 19) facing forward and using a 1.5" dowel as the forward gaff. Next we will add the top mast by using two mast support collars (part 18) sliding them down over the main mast with the extra hole facing forward. Then add a 2" dowel as the top mast as shown in figure 6. Finally add one more rearward gaff using (part 19) and a 1.5" dowel.



Figure 5





# 10mm 10-Gun Brig

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Hull

Lay the hull (Part 1) on your workspace. Glue the prow (part 2) into the slot at the front of the ship as shown in figure 1. Then glue the second deck layer (part 3) on top of the first as shown in figure 2.



Figure 1



Figure 2

## Step 2: The Main Deck

Glue the main deck (Part 4) on top of the second hull (part3) as shown in figure 3.

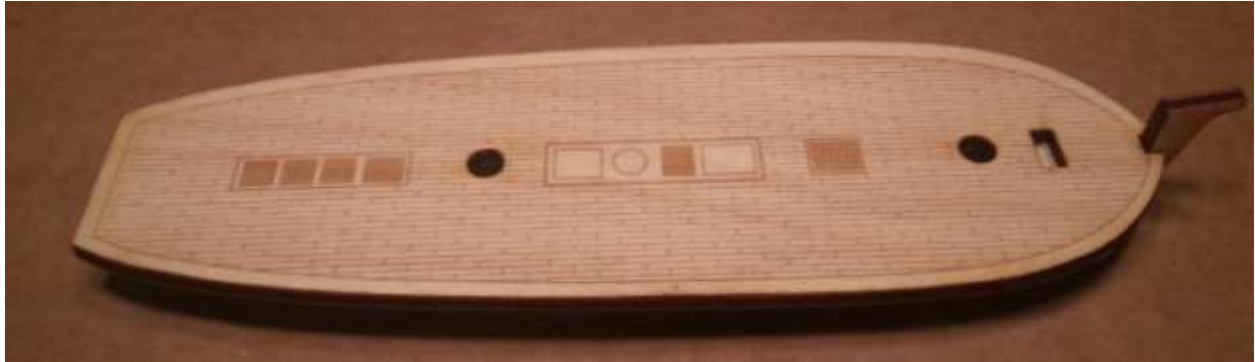


Figure 3

## Step 3. The Sidewalls

Next, place the first layer of side walls (part 5) making sure you can see the etched lines that mark the gun ports so they are face up as shown in figure 3. There are actually two Part 5s, one for the starboard and one for the port side. We will continue with the side walls by adding in another layer using (Part 6). This is actually a set of parts that line up with the lines marked for the gun ports as shown in figure 3. Finish the side walls by gluing the railing (part 7) on top of the gun ports. Then glue the stern plate (part 8) onto the back of the ship as shown in figure 4.

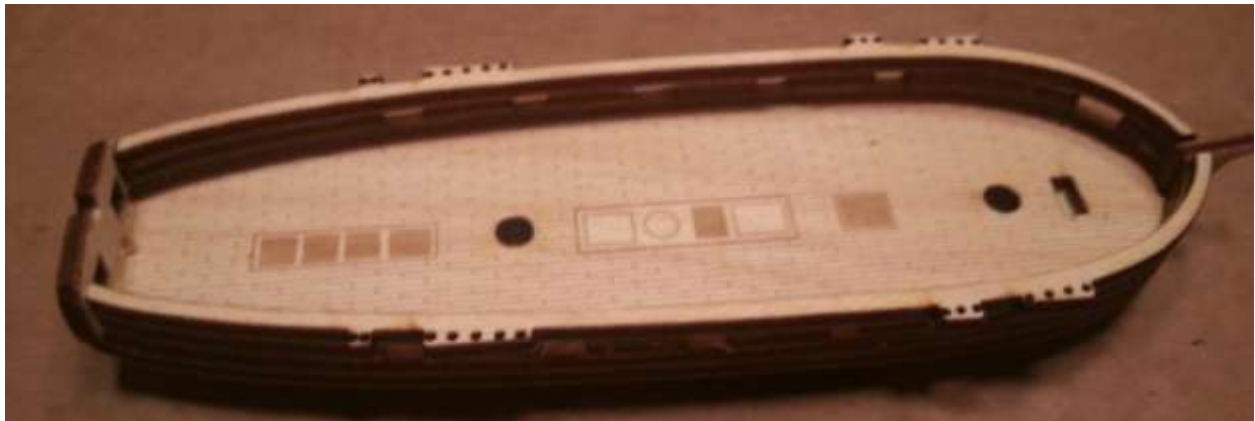
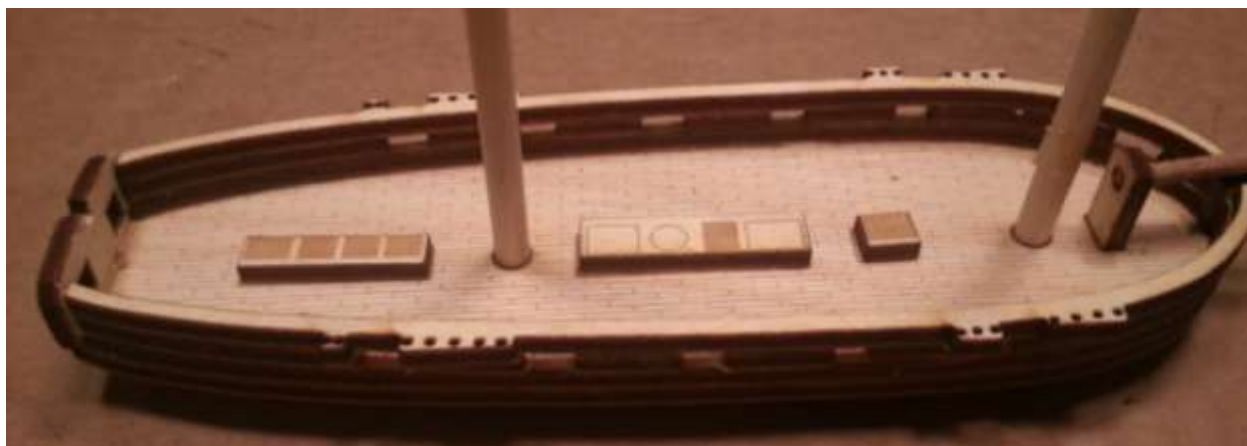


Figure 4

## Step 4. The Deck Details

We will start at the rear and work our way forward. Glue the grates (Part 9, 10 and 11) onto the areas marked on the main deck. Finally place the bowsprit support (part 12) into the slot at the front of the

hull. Then place the bowsprit, a 2.5" dowel, into the hole in (part 12) as shown in figure 5.



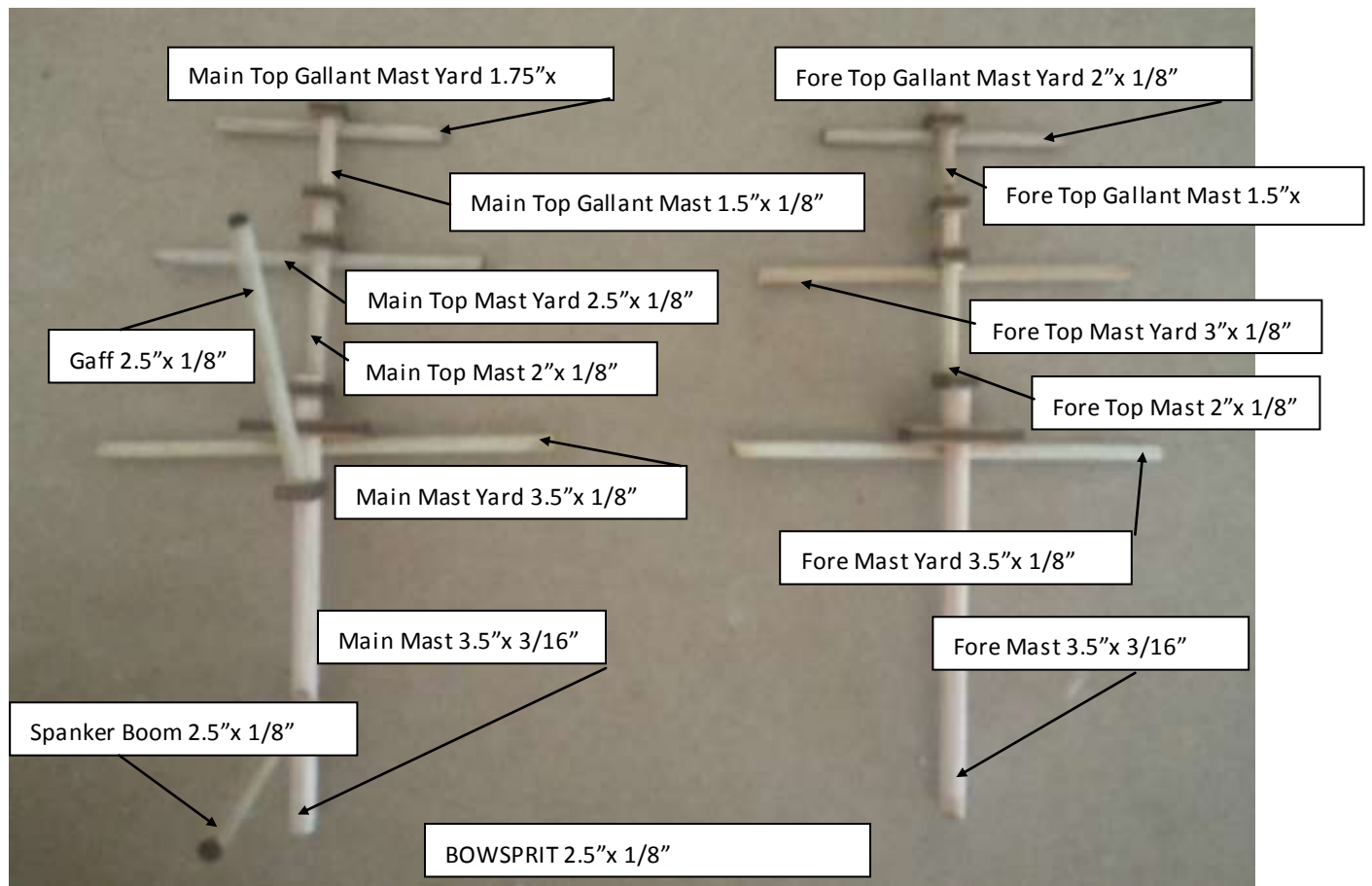
### Step 5. The Masts

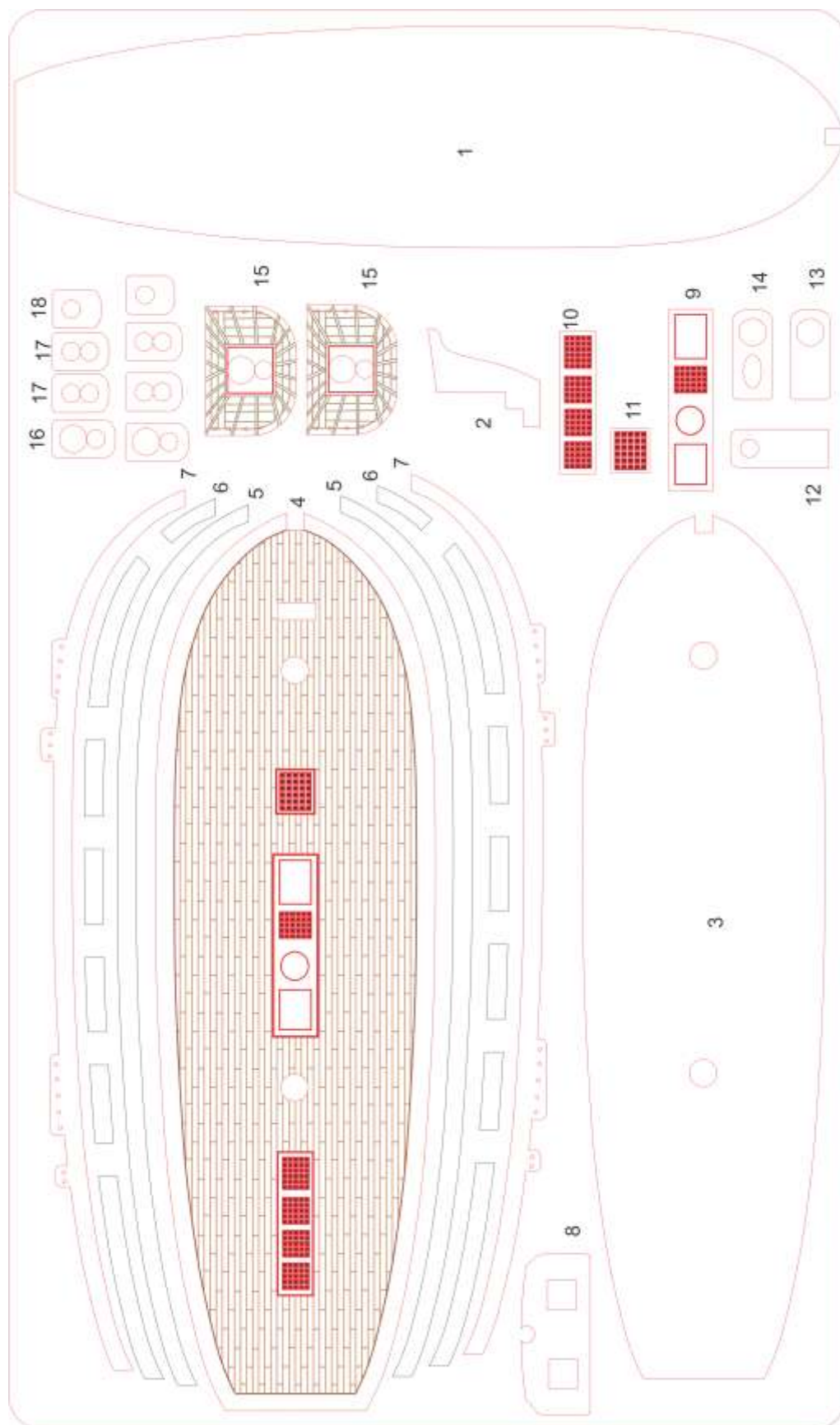
Next we are going to put together the ship's masts. Both will go together in the same way, with the exception that the main mast will include a spanker boom and gaff. The masts should fit snugly in the holes on the main deck allowing you to remove them for storage. Sometimes the dowel rods are a bit thinner or thicker and could require a bit of sanding or some glue to make them fit. So let's get started with the rear most mast. Insert the main mast into hole in the deck. Next slide the spanker boom support (part 13) down over the main mast so that the long end points to the stern of the ship. Slide it down so it is just slightly above the rear of the ship. Then glue the spanker boom onto the support so that it touches the main mast and extends out over the stern. When this is dry, continue by sliding the gaff boom support (part 14) down over the main mast about an inch and pointing to the rear. You will glue the gaff into the hole in part 14 so that it angle up and back at a 45 degree angle. Next slide the fighting top (part 15) down over the main mast about half an inch. You will follow this with a large mast collar (part 16) so that it is just a tiny bit of the mast pokes out the top. The small holes in both the fighting top and mast collar should be facing forward. You will insert the main tip mast down into both of those holes. Next we will add the main top gallant mast by sliding two small mast collars (part 17) down onto the main top mast and slightly separated. Once again, the extra hole should be forward and the main top gallant mast will slide down into those collars. Lastly, you will slide a yard support (part 18) about a quarter inch down the top gallant mast so that the larger end is facing forward. With the mast complete, you will add the three yards. The main yard is glued in place under the fighting top. The top mast yard goes just underneath the small mast collars, and the top gallant yard goes underneath the yard support. See the diagram below for the appropriate lengths and positions.

You will repeat the steps above to build the fore mast, with the exception of skipping the spanker boom and gaff.

This completes your ship! We hope you enjoyed building it and have great fun gaming with it.







# 10mm 12-Gun Xebec

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Hull

Lay the hull (Part 1) on your workspace. Glue the prow (part 2) into the slot at the front of the ship and then glue the rudder (part 3) into the slot at the stern of the ship as shown in figure 1. Next glue the upper hull (part 4) on top of the lower hull (part1).

Figure 1

## Step 2: The Main Deck

Glue the main deck (Part 5) on top of the upper hull (part 4) as shown in figure 2. At the prow of the ship glue forecastle deck (part 6) into place around the prow. Then glue the poop deck (part 8) into place lining it up with the rudder.

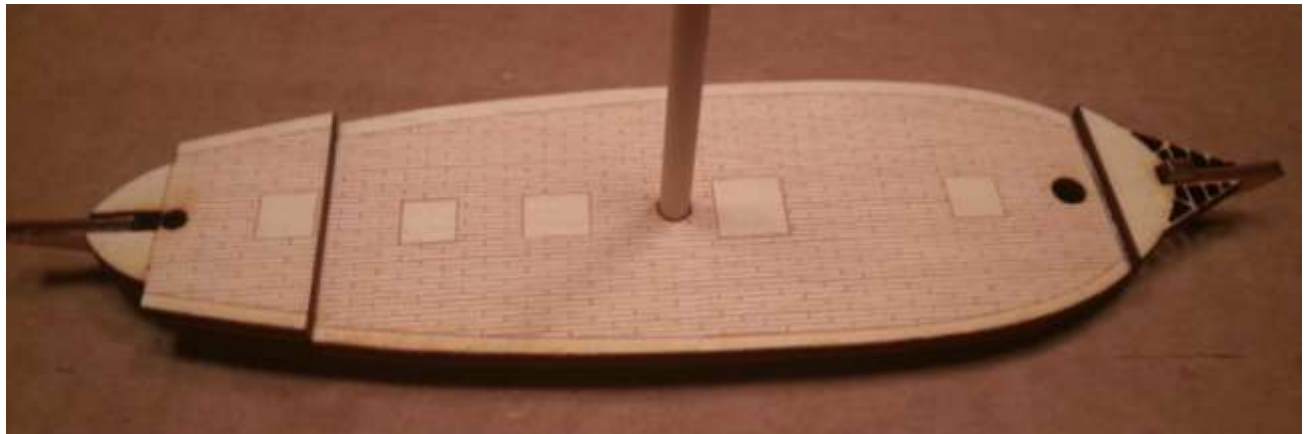


Figure 2

## Step 3. The Sidewalls

We will continue by building the sidewalls using three layers. Start by gluing (part 7) on to both the port and starboard side. Make sure that the etched lines are up to serve as guides for the next layer. Then add the bow sidewalls (part 9) as shown in figure 3. You will finish this step by adding the quarter deck

(Part 11) at the stern of the ship.

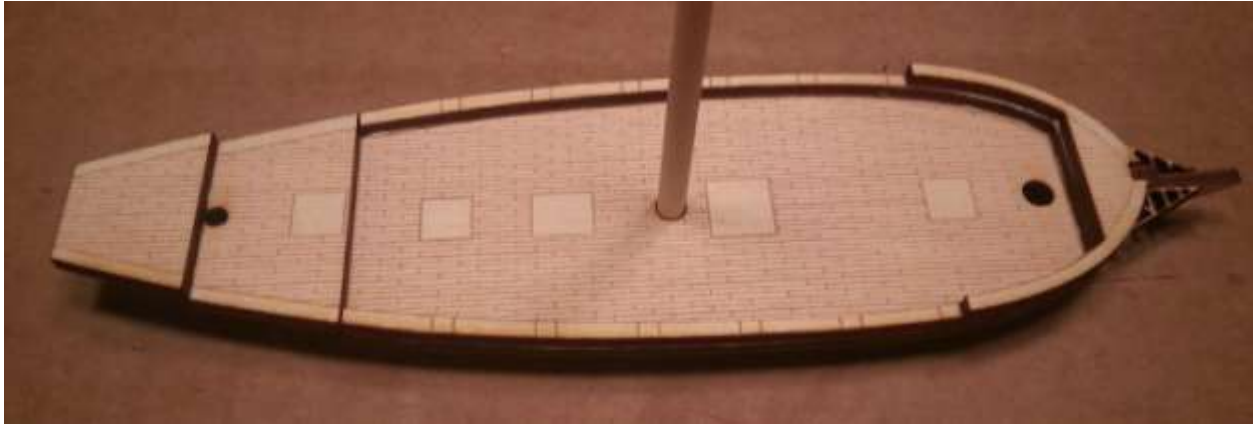


Figure 3

### Step 4. Side walls continued

Finish the second layer using (Part 10). Part 10 is actually a series of six pieces that form the gun ports. Each one lines up with the etch marks on the layer below.

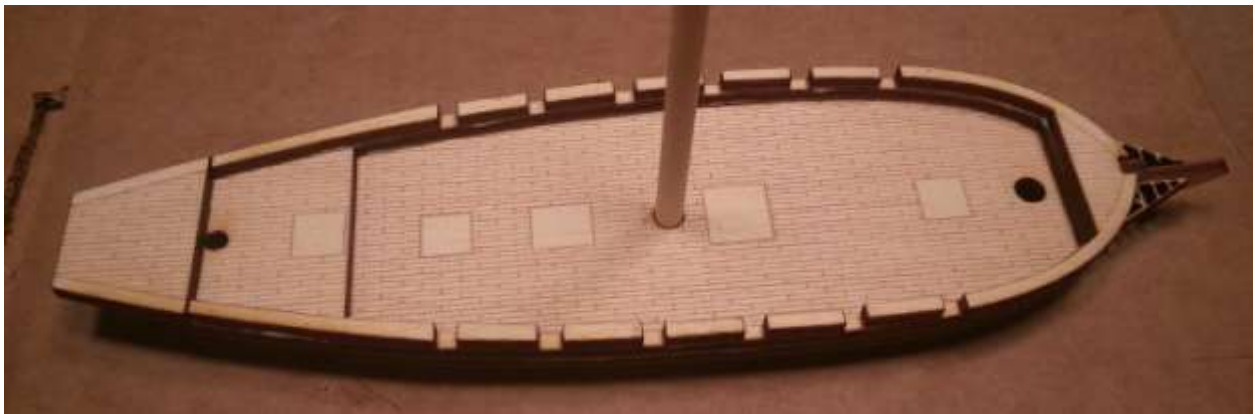


Figure 4

### Step 5. Finishing the sidewalls

Finish the side walls by gluing the railing (part 12) on top of the gun ports. Then glue the stern plate (part 8) onto the back of the ship as shown in figure 3. At the stern of the ship you will continue to build up the sidewalls stacking (part 13) on (part 12) and then (part 14) on (part 13) as shown. Complete the sidewalls by adding the stern plate (Part 15) at the stern of the ship.

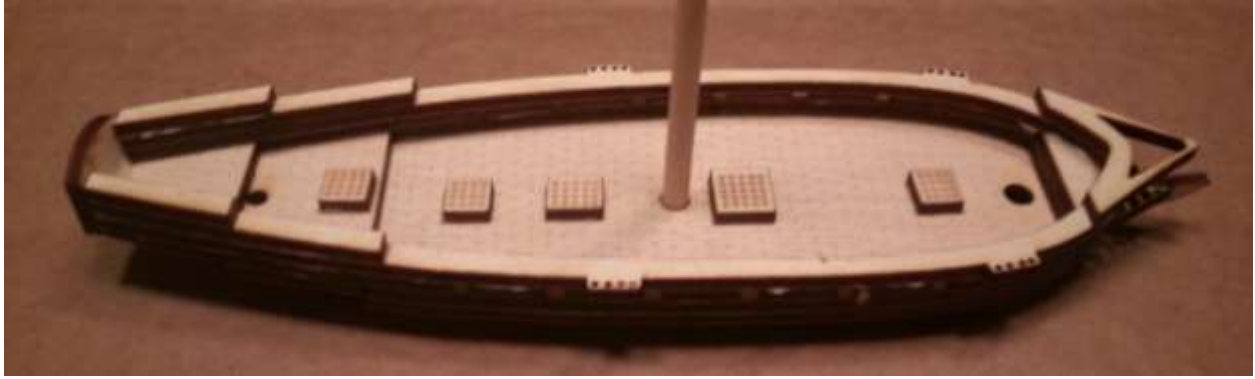


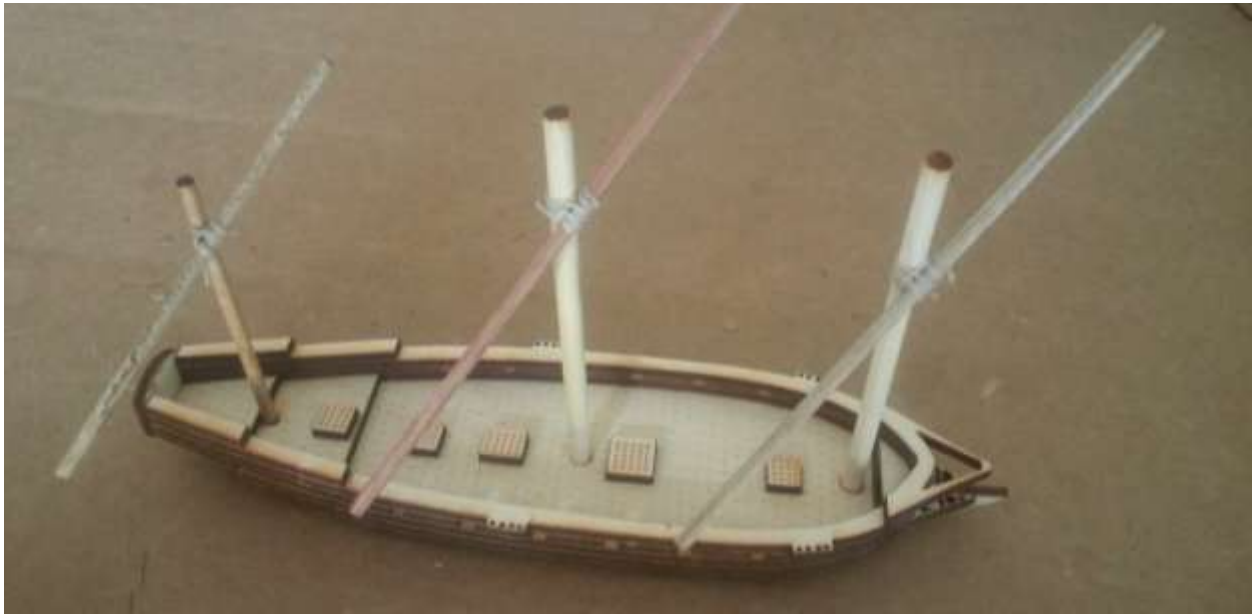
Figure 5

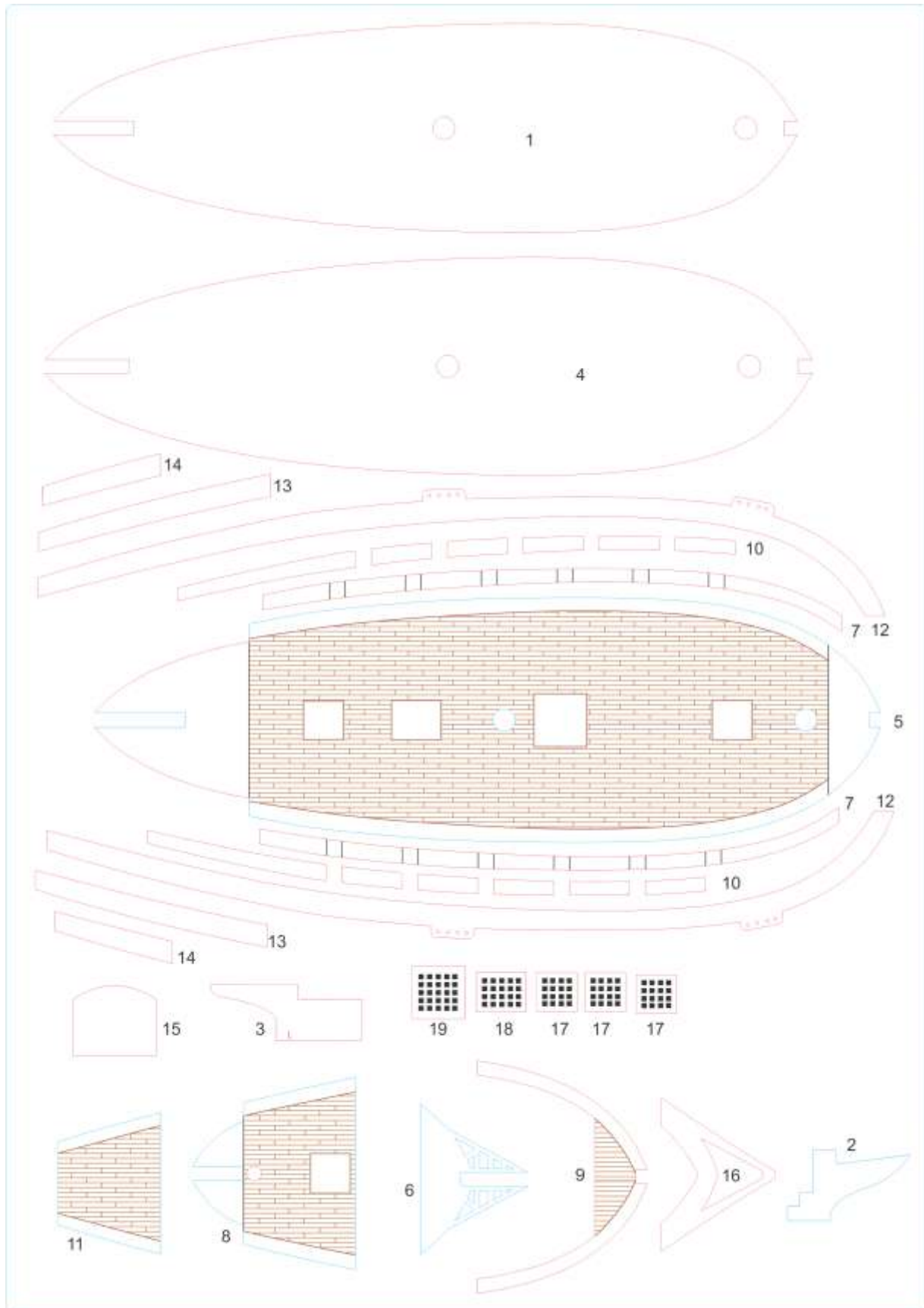
### Step 5. Finishing the details.

Next we will add the deck grates (Part 17, 18, and 19) onto the areas marked on the main deck. Finally we will build the bowsprit support by gluing (part 16) onto the top of the railing at the prow of the ship as seen in figure 5.

### Step 5. The masts

Place a large 4" thick dowel rod into each of the forward holes on the deck. Then place a 3" thin dowel rod into the third hole at the stern of the ship. Lash a 5" thin dowel to each of the forward masts using a diagonal lashing. Finally lash a 4" thin dowel rod to the stern mast. All three masts are latten rigged and the yards should be on the same side of the mast with the high end towards the front of the ship and the yard sloping down to the stern.







# 10mm 18-Gun Brig

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Hull

Lay the hull (Part 1) on your workspace. Glue the prow (part 2) into the slot at the front of the ship and then glue the rudder (part 3) into the slot at the stern of the ship as shown in figure 1.



Figure 1

## Step 2: The Hull Continued.

Glue the upper hull (Part 4) on top of the hull (part 1) as shown in figure 2.



Figure 2

## Step 3. The Main Deck

Next, glue the main deck (part 5) onto the upper hull (Part 4). When this is in place, we will add the first layer of the sidewalls (part 6). Make sure that the etched lines on part 6 are facing up to serve as guides



for the gun ports in the next step. See figure 3.

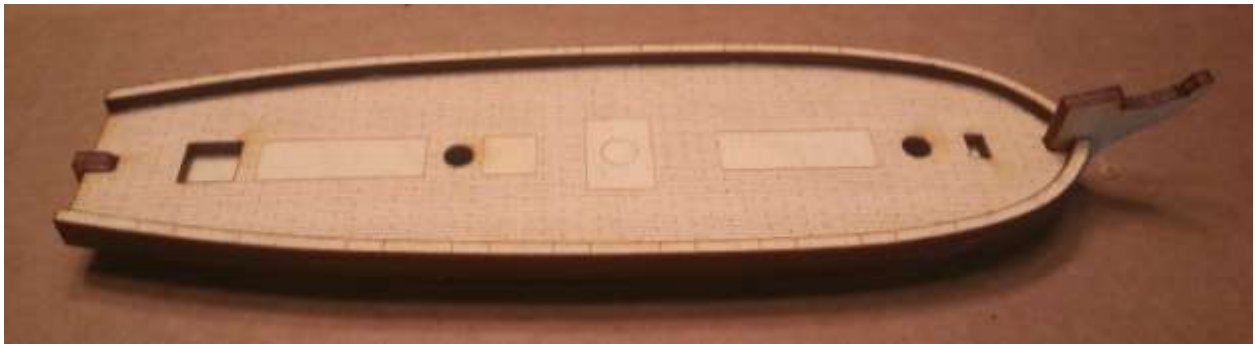


Figure 3

### Step 3. The Sidewalls

We will continue by building the sidewalls using two additional layers. We will build the first layer of the gun ports using (Part 7). You will notice that (part 7) actually consists of eleven smaller pieces. Each one will line up with the etch marks on (part 6) below it. When you have done this for both sides, then we will add the bow piece with catheads (part 8) as shown in figure 4 below. Then finish up this second layer of gun ports using (Parts 9). Part 9 has 10 pieces.

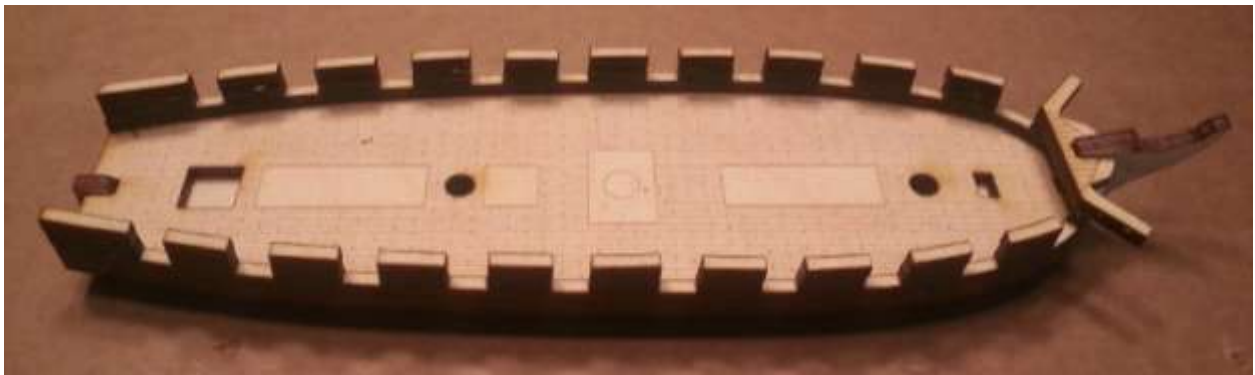


Figure 4

### Step 3. Completing the Sidewalls

Now let us finish up the sidewalls by adding the rails (part 10). When those are in place, we will add two small triangle parts (part 11) to the stern of the sidewalls. See figure 5. Then glue the stern plate (part 12) onto parts 11 so that the notch in it rests on the rudder (part 3). If you like you can add the optional stern molding (part 13) to the back of the stern plate.

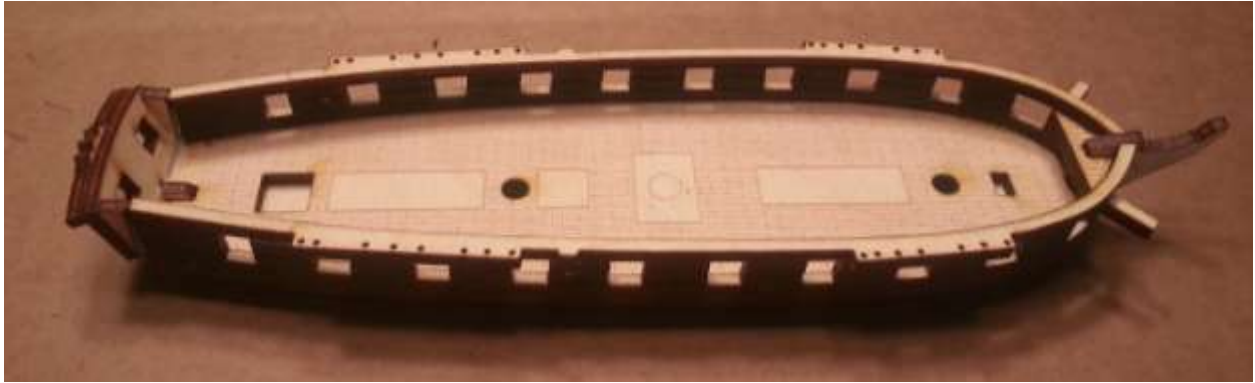


Figure 5

### Step 4. The Deck Details

We will start at the rear and work our way forward. First glue the three pieces of the deck house (parts 14) together and insert them in the hole in the deck. Cap this off with the roof (part 15). The high part of the deck house should face rearward. Then glue the various grates (Part 16, 17, 18, 19) onto the areas marked on the main deck. See figure 6. Next, glue the bowsprit support (part 2) into the notches on the main deck. Lastly, glue the prow decoration (part 21) onto either side of the prow so that the thick end fits into the notch just in front of the cats head. See figure 7 below.

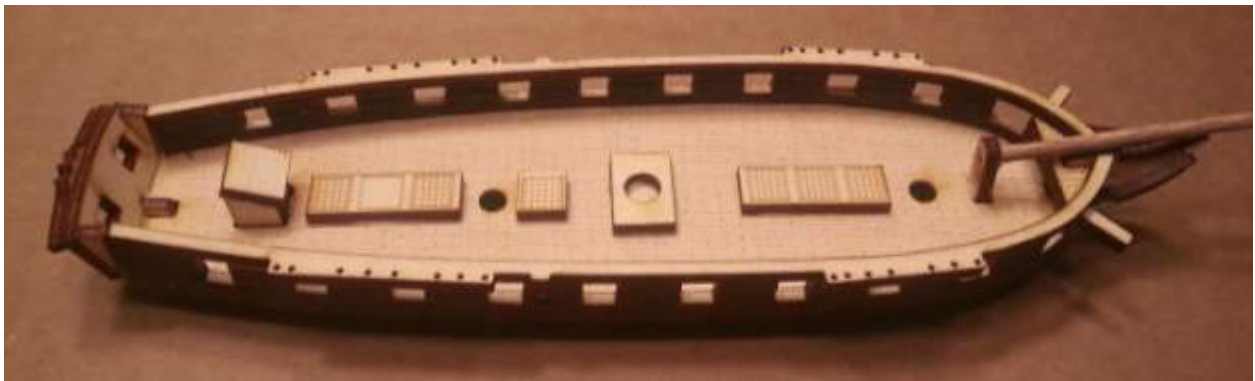


Figure 6

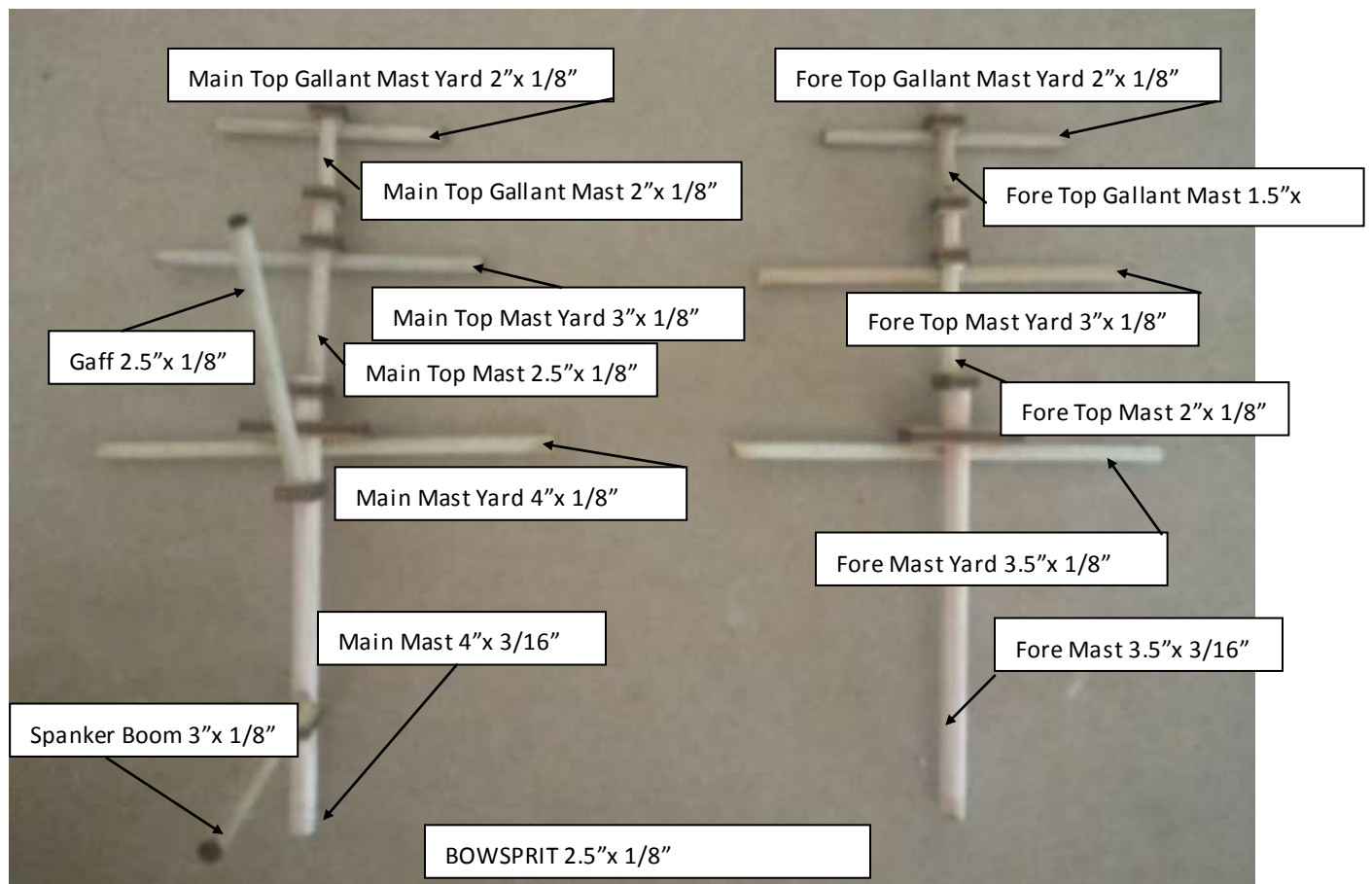


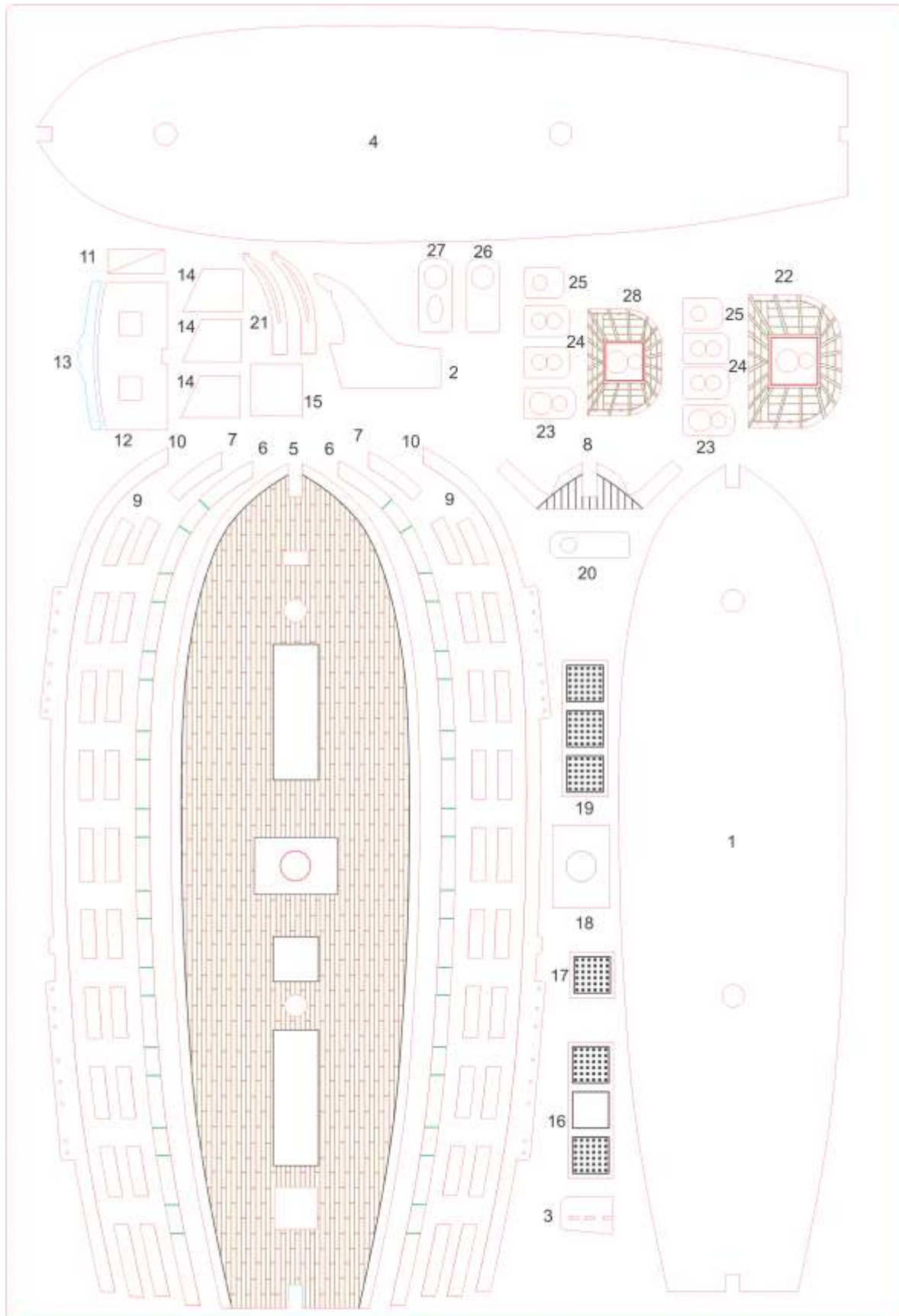
Figure 7

## Step 5. The Main Masts

Next we are going to put together the ship's masts. Both will go together in the same way, with the exception that the main mast will include a spanker boom and gaff. The masts should fit snugly in the holes on the main deck allowing you to remove them for storage. Sometimes the dowel rods are a bit thinner or thicker and could require a bit of sanding or some glue to make them fit. So let's get started with the rear most mast. Insert the main mast into hole in the deck. Next slide the spanker boom support (part 26) down over the main mast so that the long end points to the stern of the ship. Slide it down so it is just slightly above the rear of the ship. Then glue the spanker boom onto the support so that it touches the main mast and extends out over the stern. When this is dry, continue by sliding the gaff boom support (part 27) down over the main mast about an inch and pointing to the rear. You will glue the gaff into the hole in (part 27) so that it angle up and back at a 45 degree angle. Next slide the fighting top (part 22) down over the main mast about half an inch. You will follow this with a large mast collar (part 23) so that it is just a tiny bit of the mast pokes out the top. The small holes in both the fighting top and mast collar should be facing forward. You will insert the main tip mast down into both of those holes. Next we will add the main top gallant mast by sliding two small mast collars (part 24) down onto the main top mast and slightly separated. Once again, the extra hole should be forward and the main top gallant mast will slide down into those collars. Lastly, you will slide a yard support (part 25) about a quarter inch down the top gallant mast so that the larger end is facing forward. With the mast complete, you will add the three yards. The main yard is glued in place under the fighting top. The top mast yard goes just underneath the small mast collars, and the top gallant yard goes underneath the yard support. See the diagram below for the appropriate lengths and positions.

You will repeat the steps above to build the fore mast, with the exception of skipping the spanker boom and gaff. You will also use the smaller fighting top (part 28)







# 10mm 18-Gun Sloop

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Hull

Lay the hull (Part 1) on your workspace. Glue the prow (part 2) into the slot at the front of the ship and then glue the rudder (part 3) into the slot at the stern of the ship as shown in figure 1. Then glue the upper hull (part 4) on top of the lower hull (part 1).



Figure 1

## Step 2: The Main Deck

Glue the main deck (Part 5) on top of the upper hull (part 4) as shown in figure 2. When this is in place, we will add the first layer of the sidewalls (part 6). Make sure that the etched lines on part 6 are facing up to serve as guides for the gun ports in the next step.

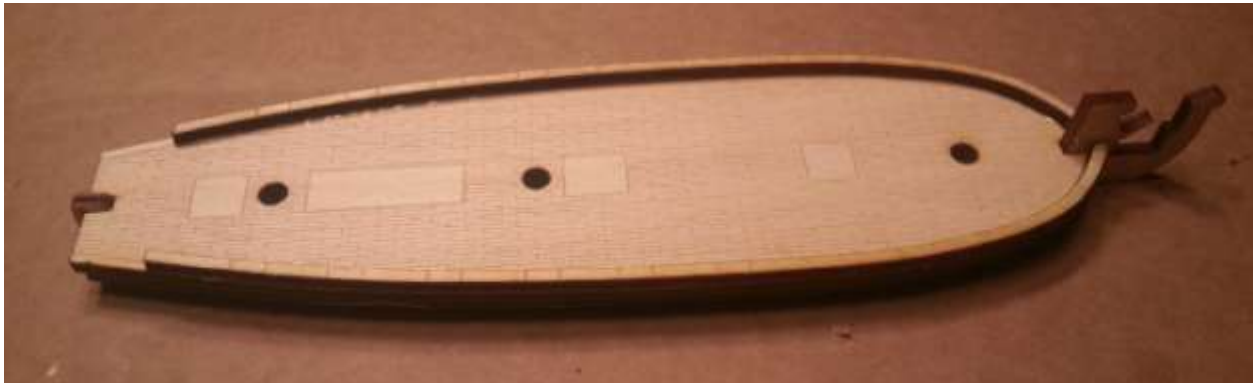


Figure 2

### Step 3. The Sidewalls

We will continue by building the sidewalls using two additional layers. We will build the first layer of the gun ports using (Part 7). You will notice that (part 7) actually consists of eleven smaller pieces. Each one will line up with the etch marks on (part 6) below it. When you have done this for both sides, then we will add the bow piece with catheads (part 8) as shown in figure 4 below. Then finish up this second layer of gun ports using (Parts 9). Part 9 has 10 pieces.

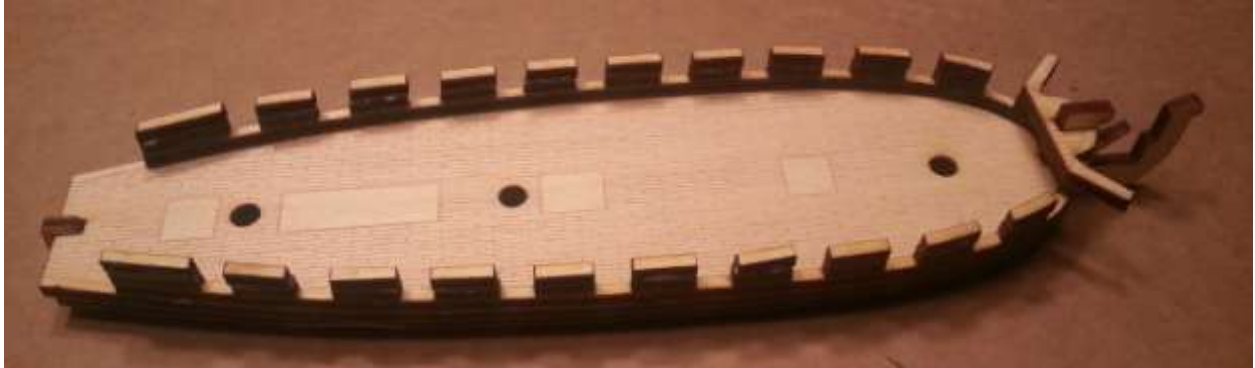


Figure 3

### Step 4. The Stern Cabin

Now move to the back of the ship and we will build the stern cabin. Glue part 10 onto the main deck so that the notch goes around the rudder and the front edge is flush with the sidewalls. Glue (part 11) on top of (part 10) and then cap that with the Poop deck (part 12). Next glue (part 14) onto both sides of the stern cabin. Finally glue the stern plate (part 15) into place. See figure 4.

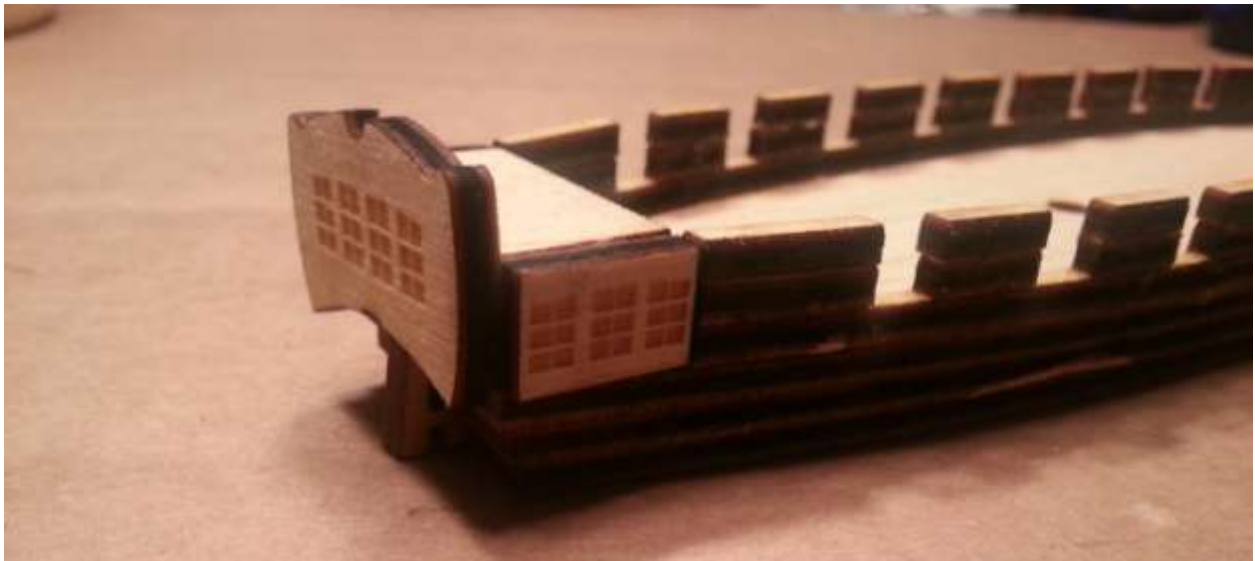


Figure 4



## Step 5. The Deck Details

We will start at the rear and work our way forward. Glue the various grates (Part 16, 17, 18, 19) onto the areas marked on the main deck. See figure 6. Lastly, glue the prow decoration (part 20) onto the prow of the ship so that it fits into the notches just in front of the cats head. See figure 5 below.

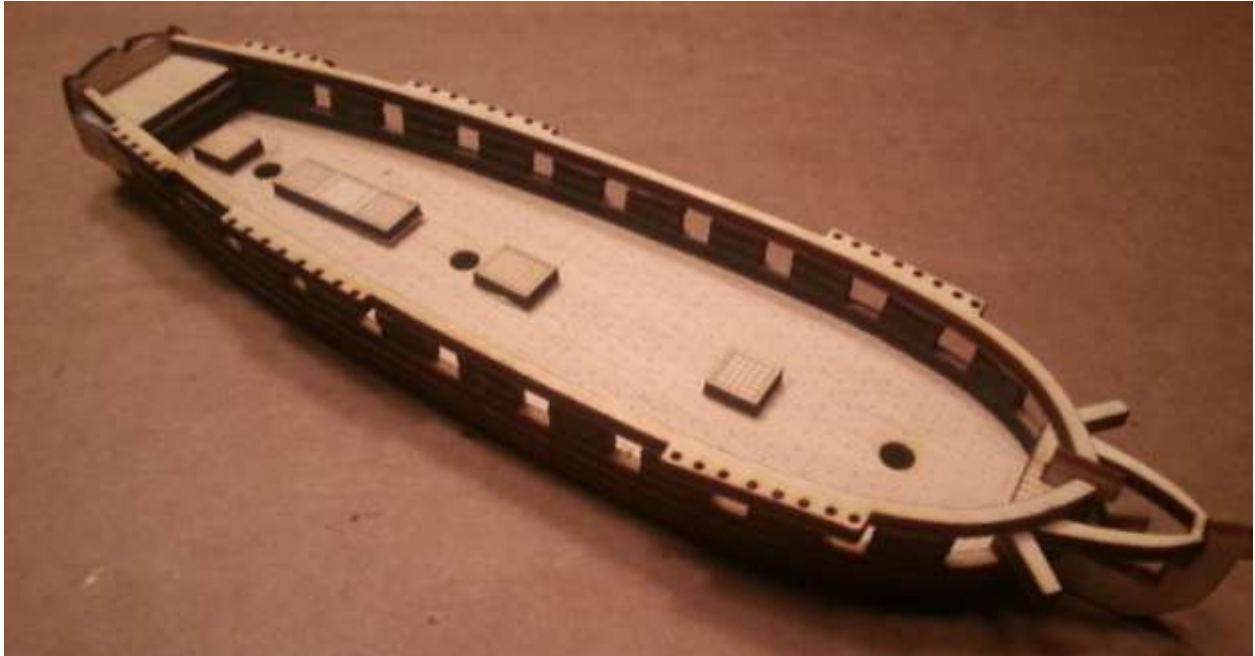


Figure 5

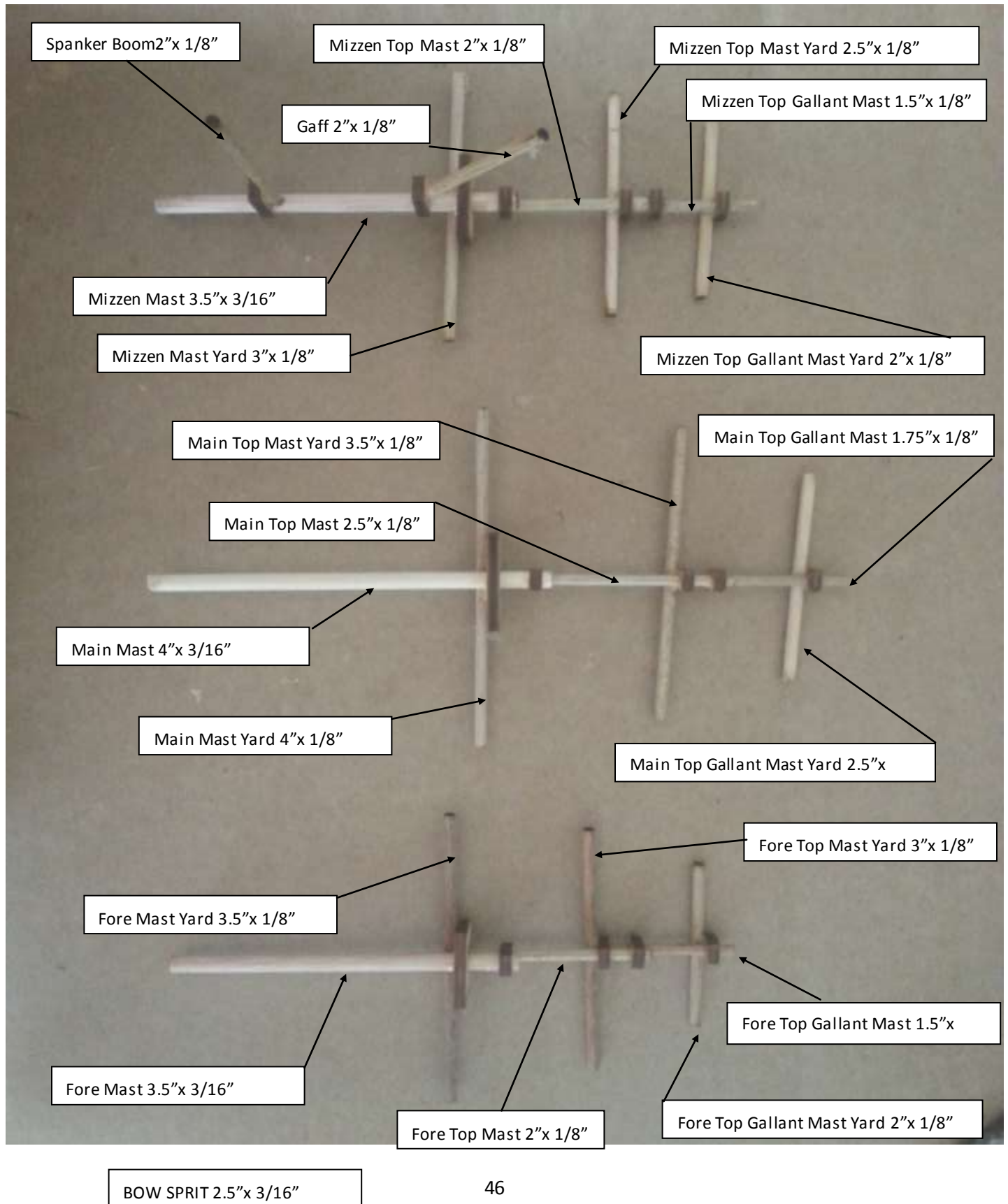
## Step 5. The Main Masts

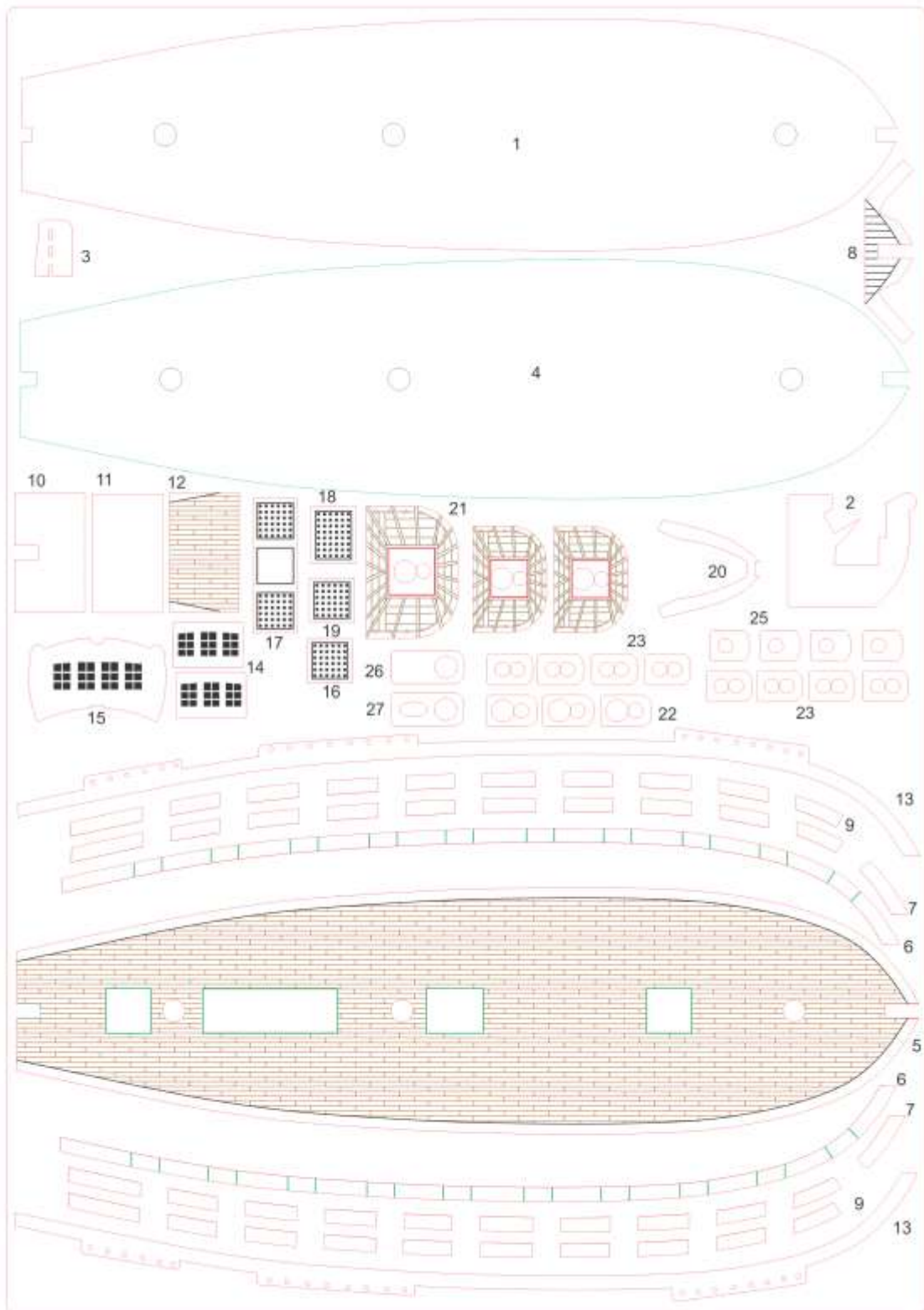
Next we are going to put together the ship's masts. All three masts will go together in the same way, with the exception that the mizzen mast (the rear one) will include a spanker boom and gaff. The masts should fit snugly in the holes on the main deck allowing you to remove them for storage. Sometimes the dowel rods are a bit thinner or thicker and could require a bit of sanding or some glue to make them fit. So let's get started with the rear most mast. Insert the main mast into hole in the deck. Next slide the spanker boom support (part 26) down over the main mast so that the long end points to the stern of the ship. Slide it down so it is just slightly above the rear of the ship. Then glue the spanker boom onto the support so that it touches the main mast and extends out over the stern. When this is dry, continue by sliding the gaff boom support (part 27) down over the main mast about an inch and pointing to the rear. You will glue the gaff into the hole in (part 27) so that it angle up and back at a 45 degree angle. Next slide the fighting top (part 21) down over the main mast about half an inch. There are two sizes of fighting top. The large one will go on the main mast and the smaller ones on the mizzen and fore masts. You will follow this with a large mast collar (part 22) so that it is just a tiny bit of the mast pokes out the top. The small holes in both the fighting top and mast collar should be facing forward. You will insert the main tip mast down into both of those holes. Next we will add the main top gallant mast by sliding

two small mast collars (part 23) down onto the main top mast and slightly separated. Once again, the extra hole should be forward and the main top gallant mast will slide down into those collars. Lastly, you will slide a yard support (part 25) about a quarter inch down the top gallant mast so that the larger end is facing forward. With the mast complete, you will add the three yards. The main yard is glued in place under the fighting top. The top mast yard goes just underneath the small mast collars, and the top gallant yard goes underneath the yard support. See the diagram below for the appropriate lengths and positions.

You will repeat the steps above to build the Main mast and the fore mast, with the exception of skipping the spanker boom and gaff. Use the large fighting top (part 21) for the main mast and the other small fighting top for the fore mast.

This completes your ship! We hope you enjoyed building it and have great fun gaming with it.





# 10mm 26 Gun Frigate

---

To build this kit you will need a standard carpenter's wood glue, a sharp hobby knife, and a small piece of string or thread. You may also decide to use sandpaper to round off some of the sharper corners and paint if you desire to customize your fleet. I recommend water base paint. It might take several layers as the wood can absorb the paint if you do not seal it first. It is possible to use wood stain, but if you do be very careful that you have used wood glue very sparingly as the stain will not penetrate the glue when it dried.

## Step 1: The Hull

Lay the hull (Part 1) on your workspace. Glue the prow (part 2) into the slot at the front of the ship and then glue the rudder (part 3) into the slot at the stern of the ship as shown in figure 1.



Figure 1

## Step 2: The Hull Continued.

Glue the middle hull deck (Part 4) on top of the lower hull (part 1). Then add a third layer by gluing (part 5) on top of (Part 4) as shown in figure 2. Make sure the etching on (part 5) is facing up as you will need it as a guide for the gun ports in the next step.

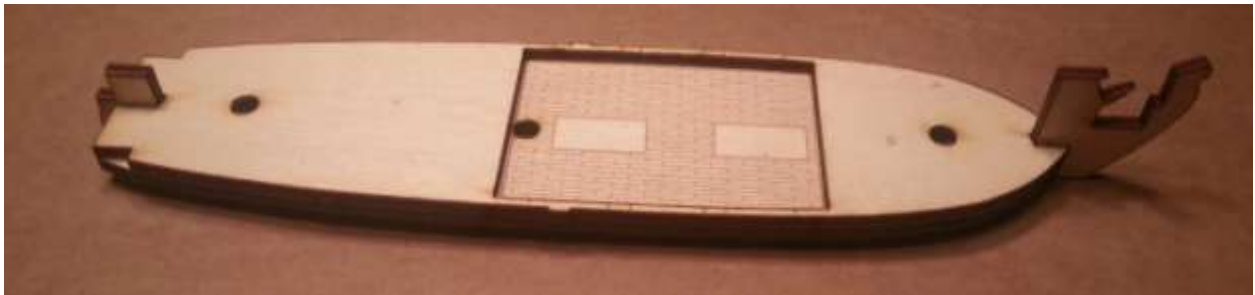


Figure 2

## Step 3. The Sidewalls

We will continue by building the sidewalls using two more layers. Start by gluing (part 6) at the prow of the ship and then adding (part 7) on top of that. Then move to the rear and add parts 8 and 9. Next we

will build up the gun ports on both the port and starboard side. Build a second layer using (Part 6) Finish the side walls by gluing the railing (part 7) on top of the gun ports. Now move to the mid ship and add glue (part 10) into place using the etched lines on (part 5) as a guide. Then add part (11) on top of (part 10). See figure 3 below.

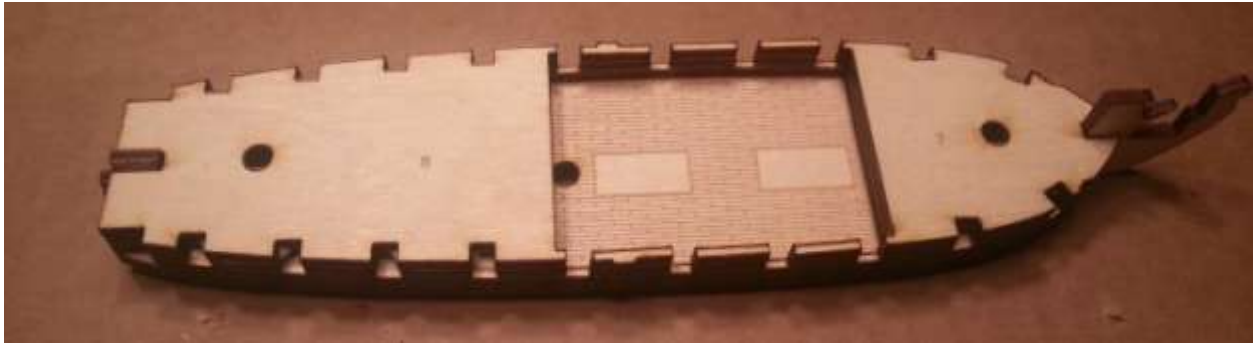


Figure 3

#### Step 4. The Main Deck.

Now add the main deck (part 12) to your ship as shown in figure 4.

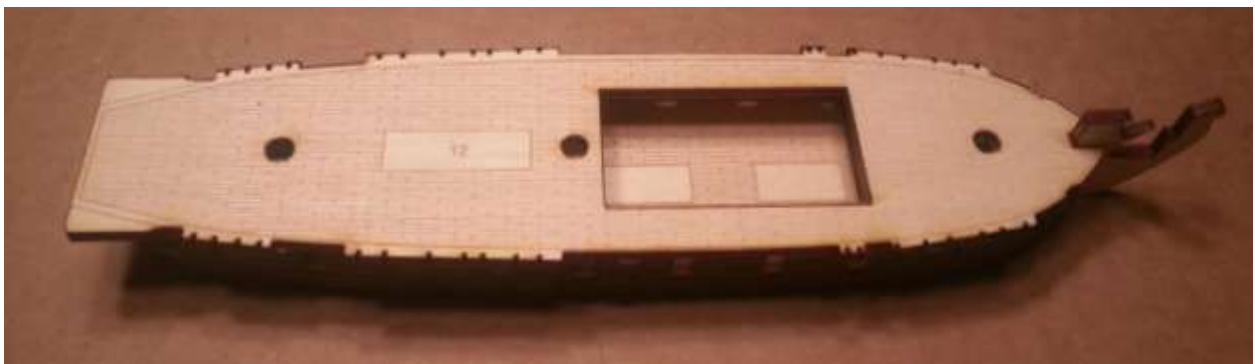


Figure 4

#### Step 5. The upper bulwarks.

Start out the prow and glue (part 13) with the etched guides facing up onto either side of the prow. Build a second layer using (part 14) with the etched lines on (part 13) serving as a guide. Cap it off with the railing (part 15). Then move to the stern of the ship. Glue down (part 16) with the etched lines up as the base. Then add the gun ports (part 17 and 18) and close off with the railing (part 19). See figure 5.



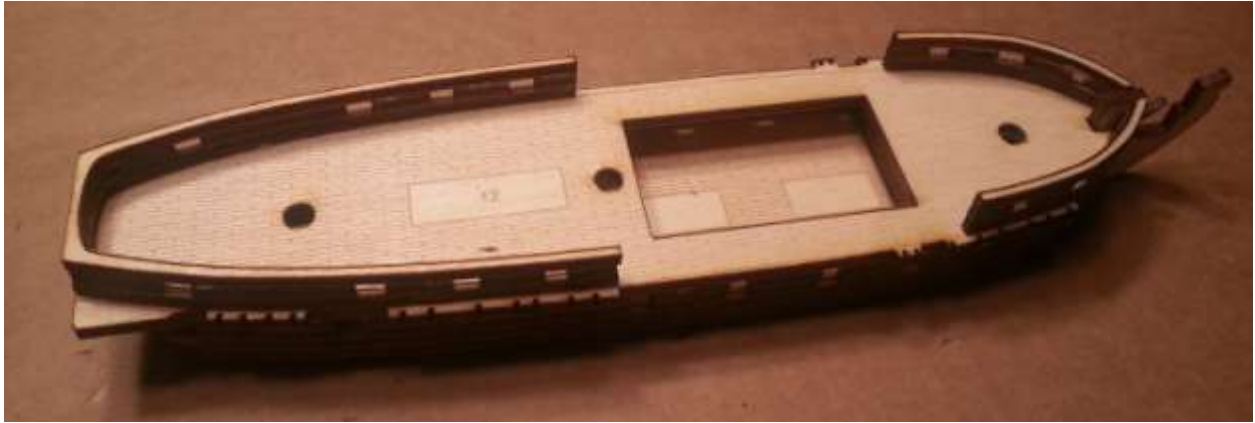


Figure 5

## Step 6. The Stern Cabin.

Next we will build the stern cabin. The kit comes with two options so you can build one in a British style, or in a French style. Start by gluing the cabin side walls (part 25 and 26 for British or part 25a and 26 a for French) so that it is in the slot just under the main deck (part 12). Then glue the cabin floor (part 29) so that the notch fits over the rudder and the part angles up and it all fits snugly between the cabin walls. Then add the stern plate (part 30 or 30a) as shown in figure 5. You may choose to add some optional molding details around the side windows (parts 27 and 28 or parts 27a and 28a) and decorative trip at the stern (part 31a).



Figure 5

## Step 7. The Deck Details

We will start at the rear and work our way forward. Glue a grate (Part 20) onto the area marked on the main deck. Then glue additional grates (Parts 21) down on the gun deck amid ship. Next add trim to the hold using either (part 22 or 22a). Finally we will add some decoration to the prow using ( parts 23 and



24) There are slots in the hull of the ship for the legs of these parts to fit into, and they should slant upwards slightly as the front rests against the prow (part 2). See figure 6.



Figure 6

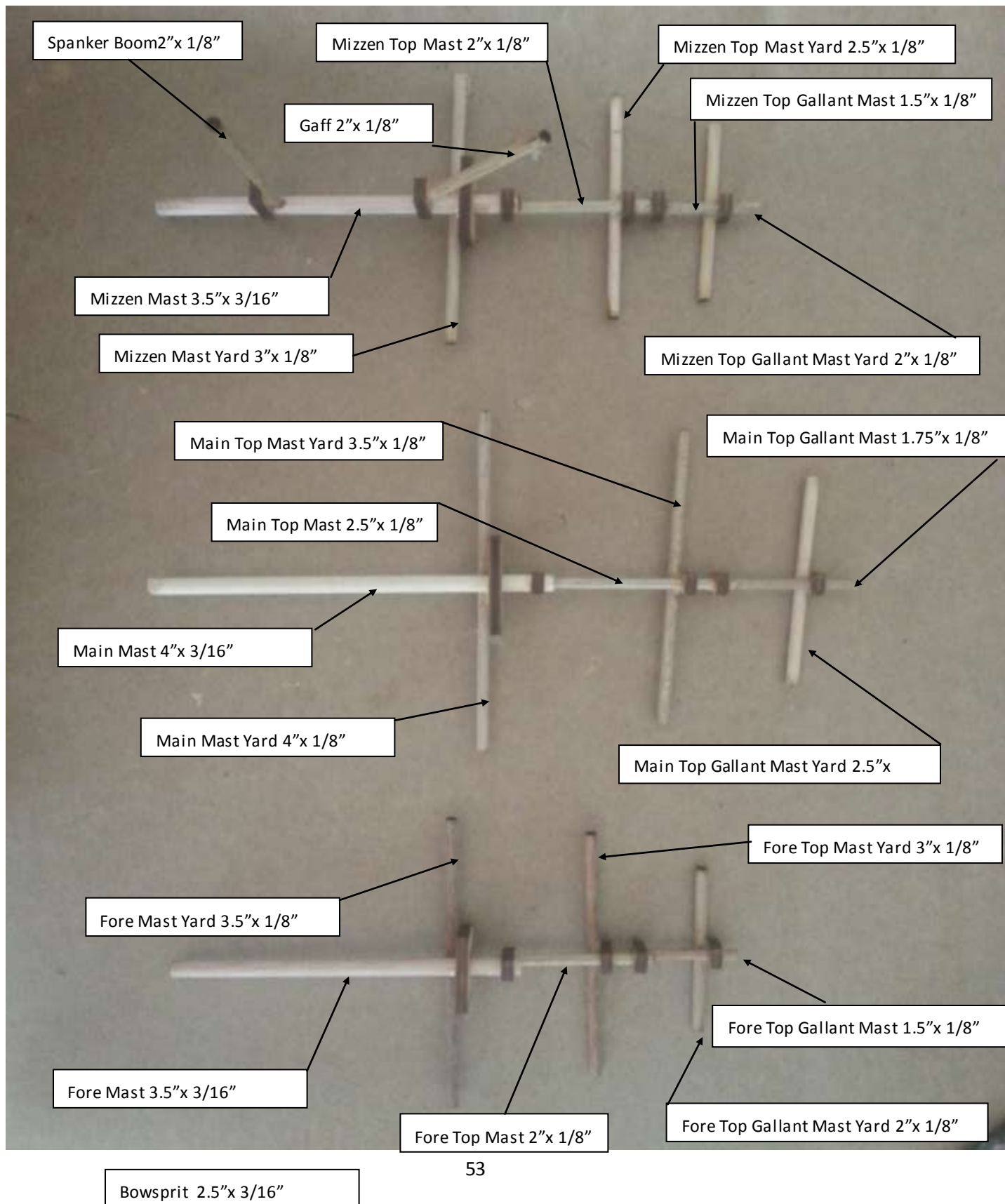
## Step 5. The Main Masts

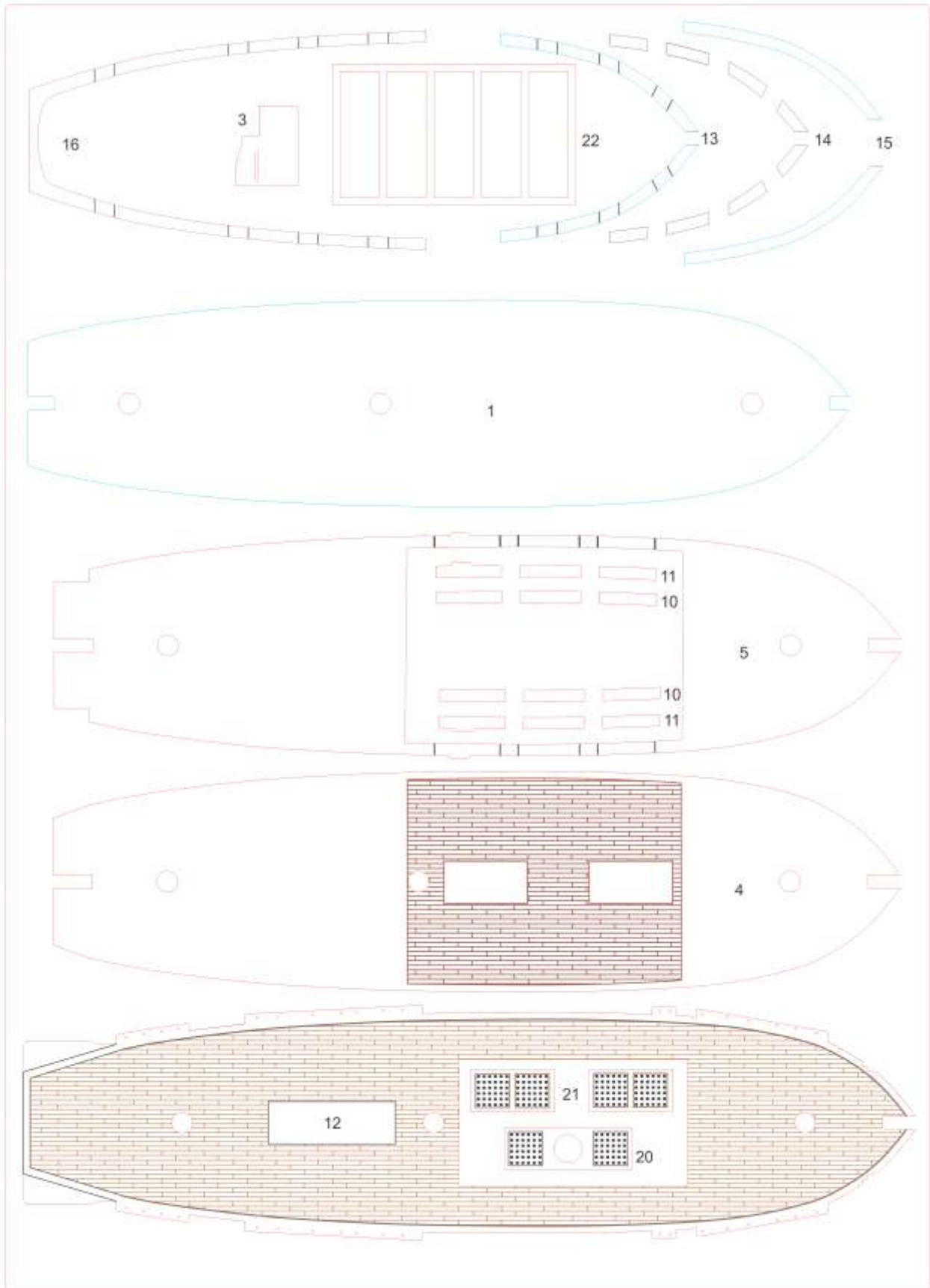
Next we are going to put together the ship's masts. All three masts will go together in the same way, with the exception that the main mast will include a spanker boom and gaff. The masts should fit snugly in the holes on the main deck allowing you to remove them for storage. Sometimes the dowel rods are a bit thinner or thicker and could require a bit of sanding or some glue to make them fit. So let's get started with the rear most Mizzen mast. Insert the main mast into hole in the deck. Next slide the spanker boom support (part 31) down over the main mast so that the long end points to the stern of the ship. Slide it down so it is just slightly above the rear of the ship. Then glue the spanker boom onto the support so that it touches the main mast and extends out over the stern. When this is dry, continue by sliding the gaff boom support (part 32) down over the main mast about an inch and pointing to the rear. You will glue the gaff into the hole in (part 32) so that it angle up and back at a 45 degree angle. Next slide the fighting top (part 35) down over the main mast about half an inch. You will follow this with a large mast collar (part 29) so that it is just a tiny bit of the mast pokes out the top. The small holes in both the fighting top and mast collar should be facing forward. You will insert the main tip mast down into both of those holes. Next we will add the main top gallant mast by sliding two small mast collars (part 33) down onto the main top mast and slightly separated. Once again, the extra hole should be forward and the main top gallant mast will slide down into those collars. Lastly, you will slide a yard support (part 34) about a quarter inch down the top gallant mast so that the larger end is facing

forward. With the mast complete, you will add the three yards. The main yard is glued in place under the fighting top. The top mast yard goes just underneath the small mast collars, and the top gallant yard goes underneath the yard support. See the diagram below for the appropriate lengths and positions.

You will repeat the steps above to build the fore mast, with the exception of skipping the spanker boom and gaff. Also, on the main mast you will use the large fighting top Part 30.

This completes your ship! We hope you enjoyed building it and have great fun gaming with it.







# MAST SIZE TABLE

	1/8 inch								3/16 inch				
	1.5	1.75	2	2.5	3	3.5	4	5	2.5	3.5	4	5	6
<b>10mm SHIPS</b>													
26 Gun Frigate	2	1	6	3	2	2	1		1	2	1		
18 Gun Sloop	2	1	6	3	2	2	1		1	2	1		
18 Gun Brig	1		4	3	3	1	1			1	1		
16 Gun Xebec					1		1	2			2		
10 Gun Brig	1	1	3	4	1	2				2			
10 Gun Cutter	2		2	3									
8 Gun Cutter	2		2	3									
Ketch				3			2						
American Gunboat				2			2						
British Gunboat			2	1									
French Gunboat			2	3									
Spanish Gunboat			2	1									