VANGUARD MODELS

BY CHRIS WATTON

36ft Admiral's Barge

Recommended tools:

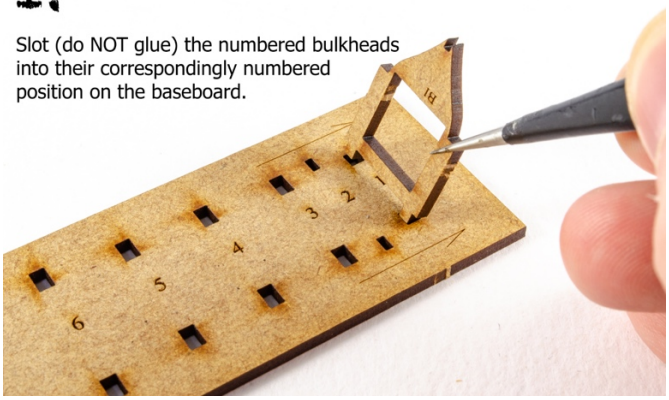
1. Sharp knife such as a scalpel, X-acto or Stanley.
2. Sanding sticks or abrasive papers (110 – 320 grade)
3. Steel rule
4. Needle/jeweller's files
5. Small clamps
6. Small tweezers
7. Masking tape (Tesa, Tamiya etc.)
8. Fine paintbrushes
9. Titebond I/II wood glue
10. Gorilla Glue CA gel

Recommended Paints etc.

1. Plastikote matt white spray
2. Plastikote matt black spray
3. Vallejo black and brown acrylics
4. Mr Metal Colour aluminium paint
5. Ronseal Matt Polyurethane varnish

1.

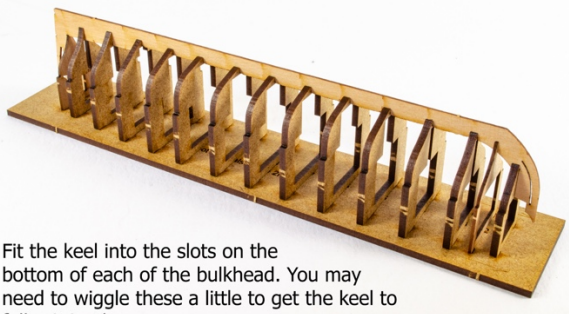
Slot (do NOT glue) the numbered bulkheads into their correspondingly numbered position on the baseboard.



2.

Remove the keel (B-18) from the parts sheet.

3.



Fit the keel into the slots on the bottom of each of the bulkhead. You may need to wiggle these a little to get the keel to fully sit in place.

4.

You can now paint some slightly diluted glue into the joints between the keel and bulkheads, and at the same time, glue the last bulkhead (B16) into place at the end of the keel, as seen here.

5.

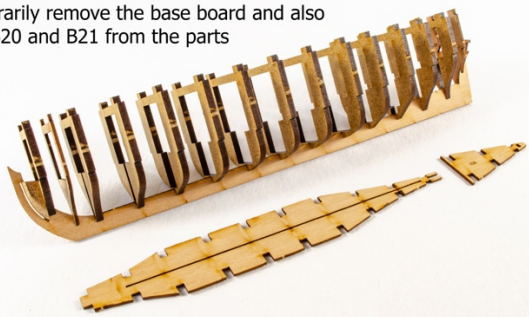
This photo shows the last bulkhead from a different angle, clearing displaying it at 90 degrees to the keel as per the other bulkheads.

6.

Remove parts B-30 from the parts sheet and bevel them as shown here.

7.

Temporarily remove the base board and also parts B20 and B21 from the parts sheet.



8.

You can carefully ship away a few of the bridges on the bulkheads. This will allow you to now slot B20 and B21 into position as seen here.

9.

Here is another picture of the parts B20 and B21 in situ.

10.

Re-fit the base board and glue the previous parts into place. Now you need to slightly bevel the slots on the rear bulkhead

11.

Remove parts B17 and B26 (x2) from the parts sheet.

12.

Fit the parts into position as seen here.

Here's another view of those parts in position. Note the angle of the stern. This runs more or less at the same angle as the last hull bulkhead.

13.

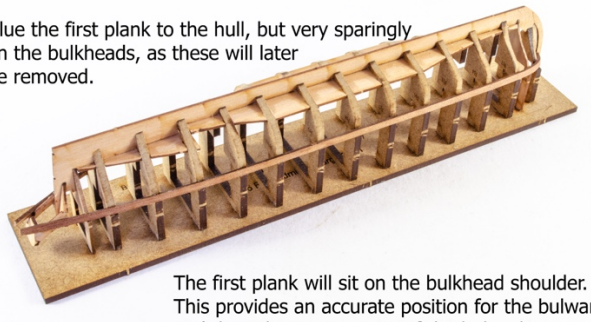
Remove part B25 from the parts sheet.

14.

Glue parts B30 at either side of the bow, and then sand the hull so that a plank will run smoothly over it with maximum contact area.

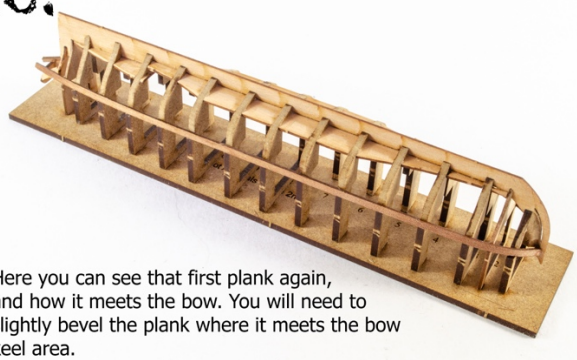
15.

Glue the first plank to the hull, but very sparingly on the bulkheads, as these will later be removed.



The first plank will sit on the bulkhead shoulder. This provides an accurate position for the bulwark and the subsequent curve of the bulwarks.

16.



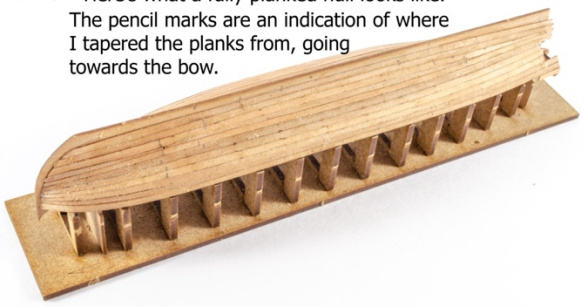
Here you can see that first plank again, and how it meets the bow. You will need to slightly bevel the plank where it meets the bow keel area.

17.

You will need to taper these at the bow, from the second plank you fit. Also edge bevel the planks for maximum contact area. Rememeber to glue the edges together. Don't use too much glue as it will make clean-up a little harder to achieve.

18.

Here's what a fully planked hull looks like. The pencil marks are an indication of where I tapered the planks from, going towards the bow.



19.

Slice the bulkhead shoulders away. This makes it easier to sand the hull, with no obstructions.

20.

Sand the hull smooth using 110 to 220 grit paper. Don't sand it too thin though. When finished, trim the planks at the stern.

If you need to, also use some wood filler to remove any divots or small gaps.

21.

Remove the baseboard from the hull. This can now be discarded.

22.

Use cutters to snip away the remaining bridges on the bulkheads.

23.

Carefully twist away the remaining MDF bulkhead parts. You can also cut down the excess wood from the pear bulkheads. Don't remove the pear bulkhead itself.

24.

Trim the remaining planks at the stern so the area looks like this.

25.

OPTIONAL: To create a wood finish to the PE floor sections, you can first apply a coat of Tamiya XF-59 Desert Yellow.

On top of the paint, you can now apply a very thin coat of Raw Sienna oil paint, using a piece of foam.

Spots of Raw Umber oil paint can now be randomly applied to the previous oil paint covering.

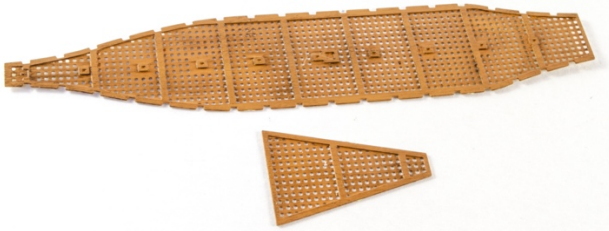
Using your foam sponge, drag the dark oil paint spots into the lighter layer below. Keep doing this until you achieve the desired result.

You can make your wood effect as subtle or coarse as you wish.

A fan brush could also be used to create knot effects and a more natural flow to the grain.

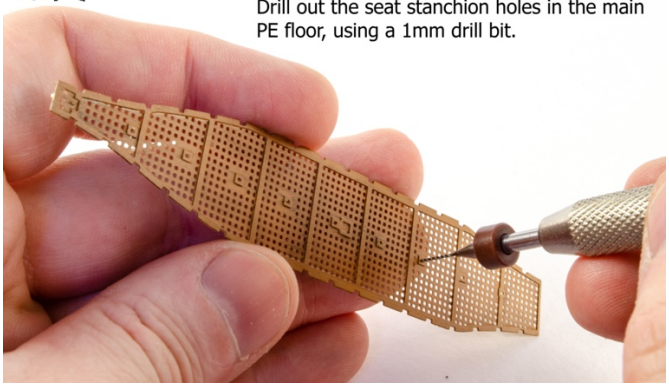
26.

Your painted PE floor parts will now look like this.



27.

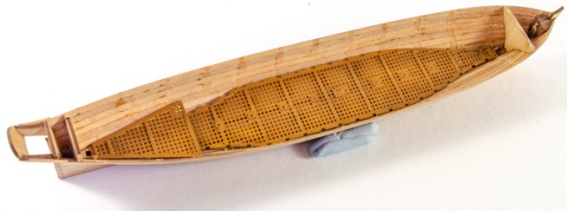
Drill out the seat stanchion holes in the main PE floor, using a 1mm drill bit.



28.

Before you fit the floor sections, carefuly clean up the inside bulwarks.

29.



Glue the PE floors into place. You will need to use CA for this, and we suggest you do this very sparingly so it doesn't ooze through the holes in the PE.

30.

When the floor is fitted, you can now use the rib strips to add the hull ribs as shown. Each of these slips into the notches along the deck edges.

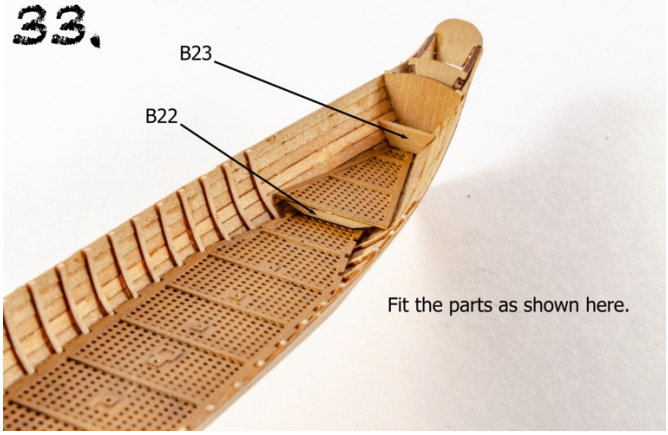
31.

Use a sanding stick along the top edges of the bulwarks to ensure they are even.

32.

Remove parts B22 and B23 from the parts sheet.

33.

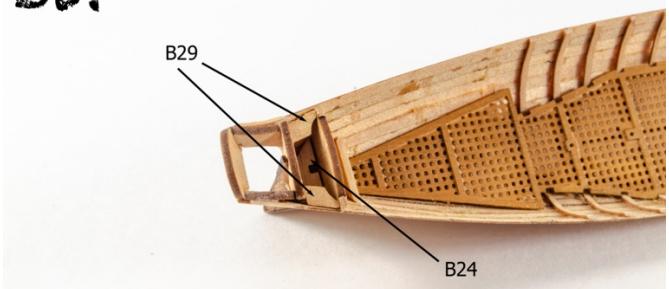


Fit the parts as shown here.

34.

Remove parts B24 and B29 (x2) from the parts sheet.

35.



Fit the parts as shown here.

36.

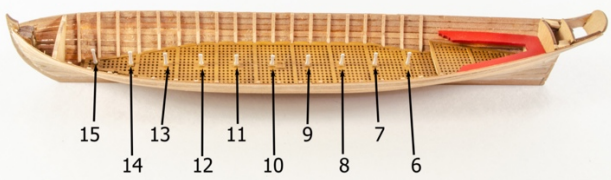
Remove parts B27 and B28 from the parts sheet.

37.

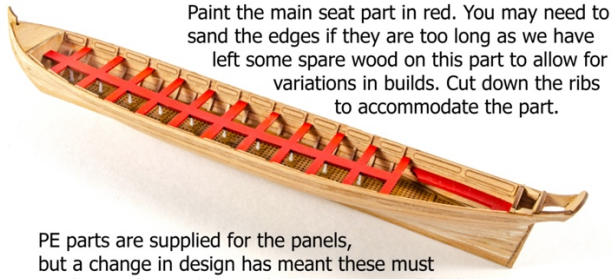
Paint B28 in red and
fit as shown. You may need to
slightly adjust the seat width and also
bevel the undersides to conform to the hull.

38.

Now paint the seat stanchions white and fit into the PE floor as shown here.



39.



Paint the main seat part in red. You may need to sand the edges if they are too long as we have left some spare wood on this part to allow for variations in builds. Cut down the ribs to accommodate the part.

PE parts are supplied for the panels, but a change in design has meant these must not be used. Use the wooden PE panels and fit them just below bulwark height in the areas between seats. The longest panel, of course, is the rearmost one.

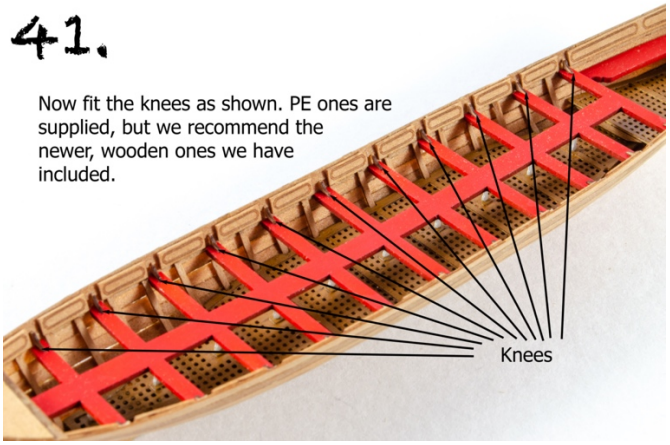
These are the new wooden parts to replace the PE panels and knees.

40.

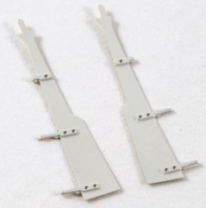
Now it's time to transform the interior of your barge. The next stage contains important design change information.

41.

Now fit the knees as shown. PE ones are supplied, but we recommend the newer, wooden ones we have included.

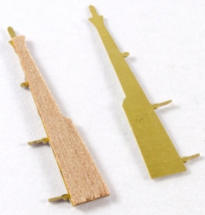


42.



You can now paint the rudder halves and glue them back to back. Another option is to assemble and then paint afterwards.

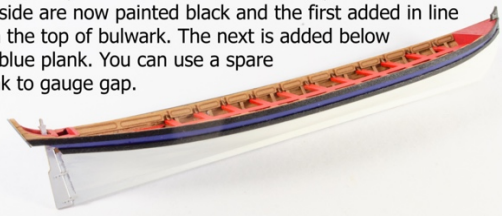
43.



To pad out the rudder, you can use a scrap piece of your parts sheet to create a sandwich. This will perhaps recreate the thickness of your stern, depending on how you sanded it. If you do this, leave the peg area at the top, without wood between the parts.

44.

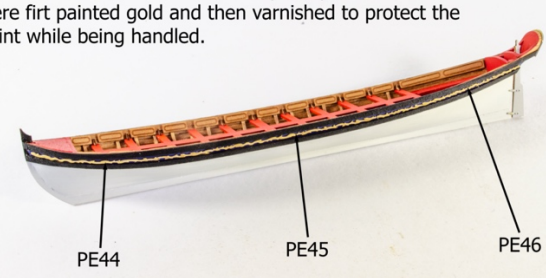
Paint the lower hull in white, but don't paint the upper three planks. The middle plank of those three are now painted blue. Two new planks per side are now painted black and the first added in line with the top of bulwark. The next is added below the blue plank. You can use a spare plank to gauge gap.



You can now slightly splay the rudder hinges and glue the assembly into position as shown here. Also add and paint the stern decor. Ours is painted blue with gold relief.

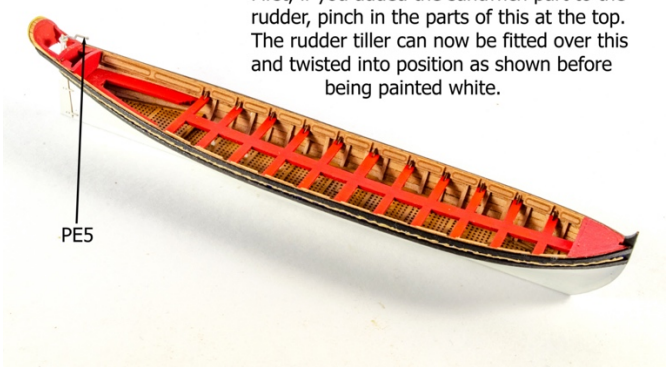
45.

You can now add the three frieze parts per side. These were firt painted gold and then varnished to protect the paint while being handled.



46.

First, if you added the sandwich part to the rudder, pinch in the parts of this at the top. The rudder tiller can now be fitted over this and twisted into position as shown before being painted white.

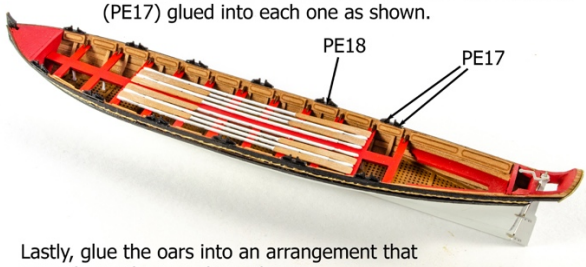


47.

SLightly round off the oar handles and thin the paddle out towards the tip. Paint the handles in white and leave the paddle in natural. The tips can be painted copper or brass.

48.

The oarlock bases (PE18) need to be glued into place around the top of the bulwarks and then two oarlocks (PE17) glued into each one as shown.



Lastly, glue the oars into an arrangement that is similar to the one shown here.

Prototype Model built by James Hatch. Actual product may vary slightly.