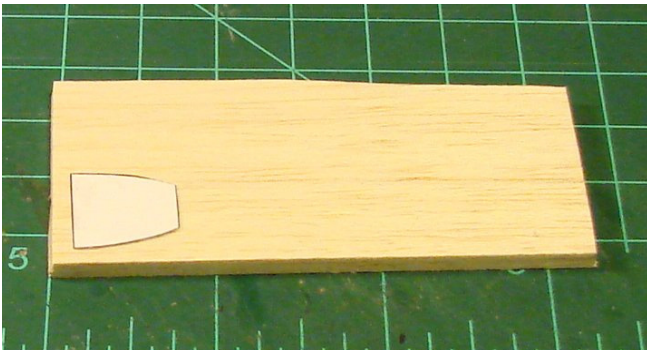


10 GUN SLOOP, MODEL #000

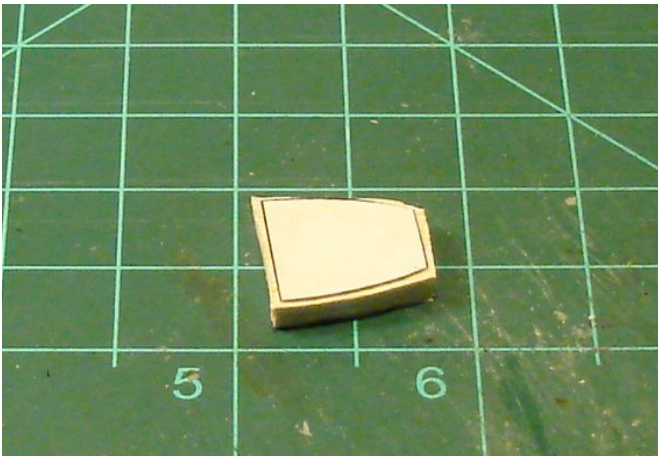
Be sure to read the General Instructions before beginning to build the model; they contain many useful tips, especially for those who are unfamiliar with the techniques used. They are included in a zip archive, available as a free download from www.warartisan.com. Print out the parts sheet (000parts.pdf) on cardstock, and the sail sheet (000sails.pdf) on ordinary paper. Set the page scaling to "Fit to Printable Area"; this should make all the parts the right size for a scale of 1:300.

INSTRUCTIONS FOR BUILDING THE HULL

1. Begin by trimming part 1, and gluing it to a piece of 1/8" balsa. Position the part so that the curved edges run with the grain, not across; curved cuts are much easier to make with the grain.



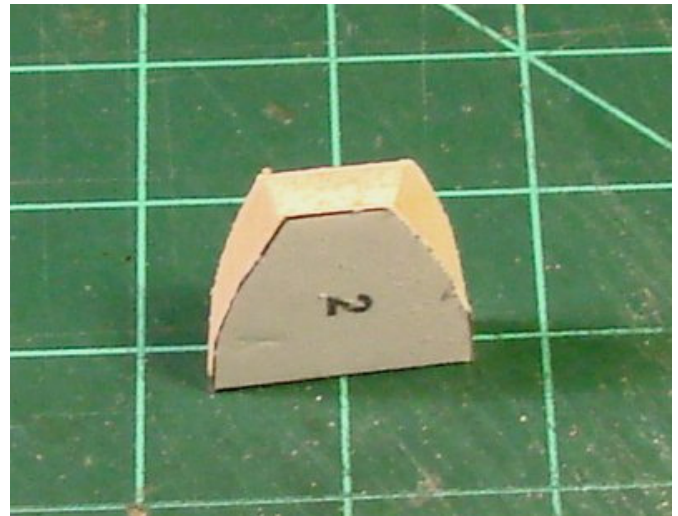
2. Cut around the template, leaving about 1/16" around the edges.



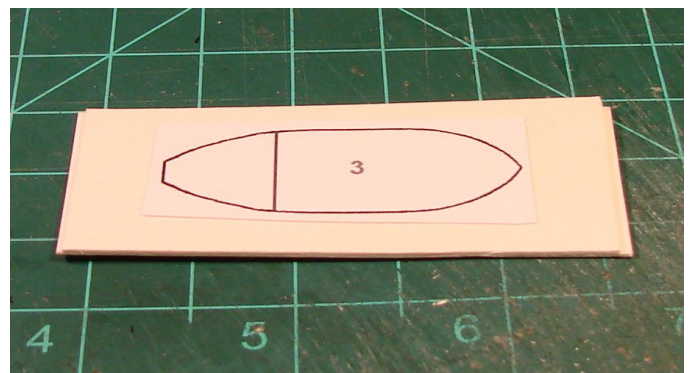
3. Sand the balsa down to the outline of the template, making sure the sides are flat and square to the surface



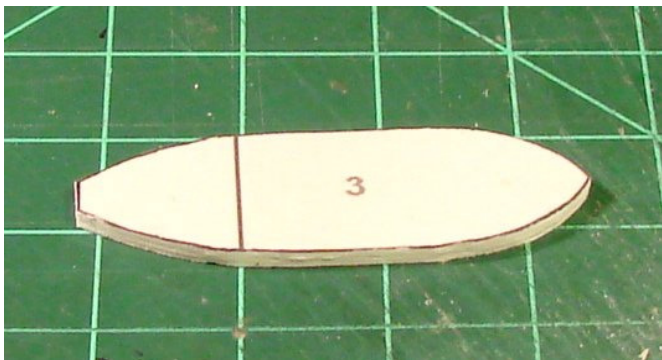
4. Trim part 2, and glue it to the balsa piece, on the side opposite part 1. Sand the curved edges of the balsa piece so that they angle in to meet the edges of part 2. When you're done, it should look like this:



5. Glue two pieces of Bristol board together, to make a double-thickness. Rough-cut part 3, and glue it to the Bristol board.



6. Carefully trim the part.



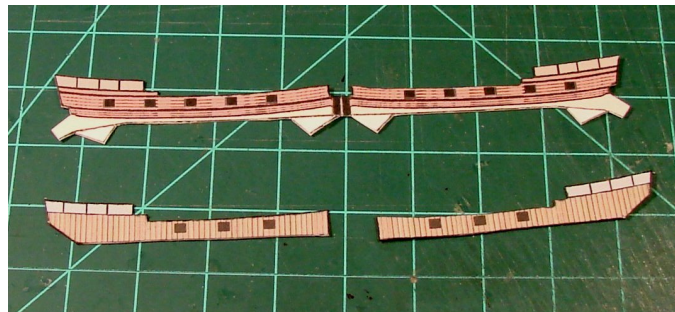
7. Glue the balsa piece on top, with the wide edge on the heavy black line and the side with part 2 on the bottom.



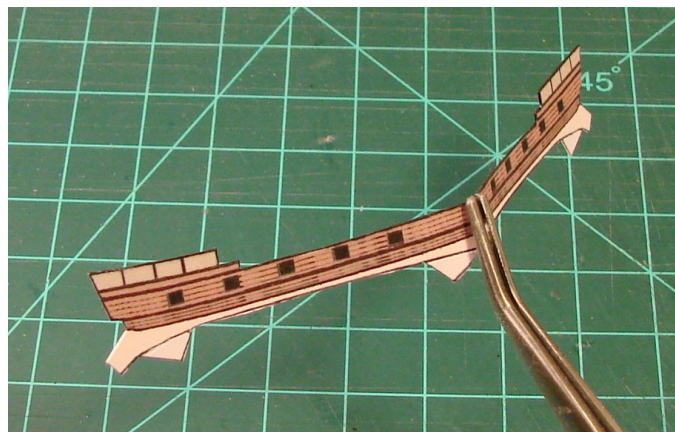
8. Inspect the glued parts from all angles to make sure they are symmetrical, making any adjustments before the glue sets.



9. Score parts 4, 5 and 6 as indicated. Carefully trim the parts, cutting as close to the middle of the heavy black outline as possible. Tint the cut edges black.



10. Fold the stem (at the center of part 4) together, and glue it. Hold or clamp it until the glue sets.



11. Glue parts 5 and 6 to the back of part 4, aligning the top edge of the rail on both parts. You can cover up any slight misalignment by using your black marker to tint any exposed white surfaces.



12. Glue the crease at the centerline of part 4 to the bow end of part 3. Be sure the fold is exactly centered on the bow; after folding them back along the hull, the aft ends of the part should extend an equal distance beyond the stern. Make any adjustments before the glue has a chance to set.



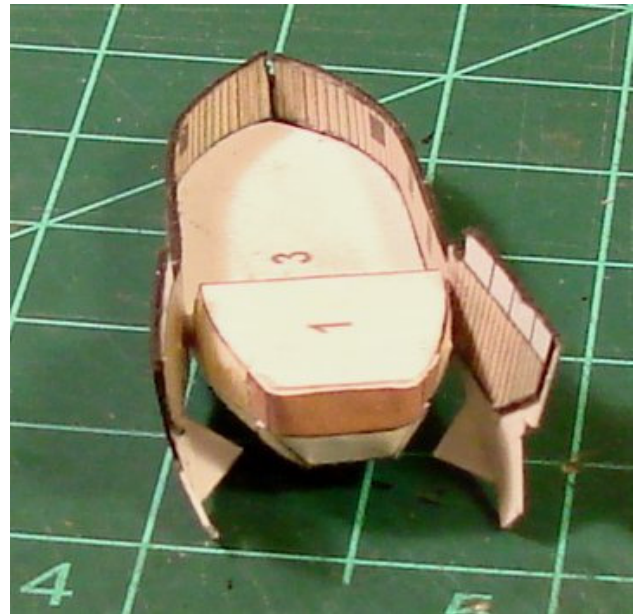
13. Spread glue along the sides of the balsa parts, just about to the break in the deck. You can spread the cardstock parts out from the hull and use a toothpick to spread the glue. Hold the sides of the hull together until the glue sets, making sure the bottom edges line up as closely as possible.



14. Rough cut and score part 7. Then trim it as shown.

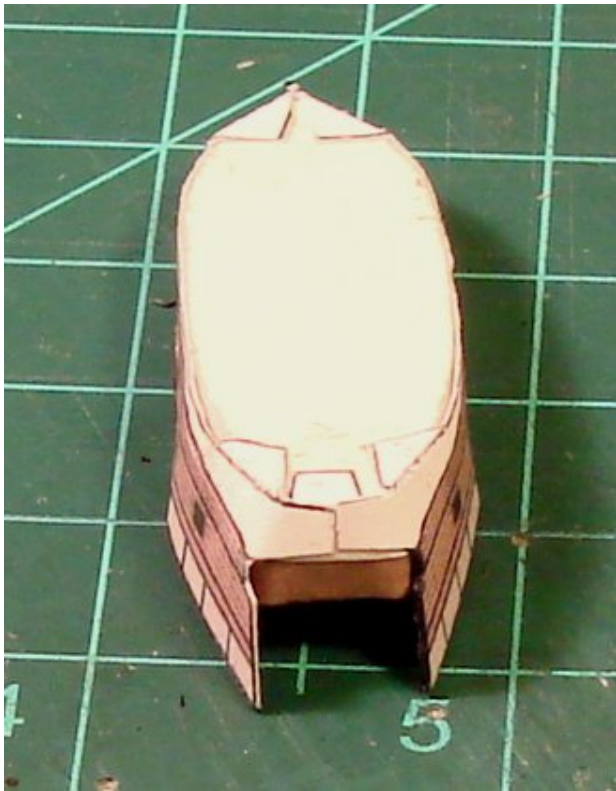


Glue it to the stern of the balsa piece, folding the tabs over and gluing them to the sides and bottom of the hull.

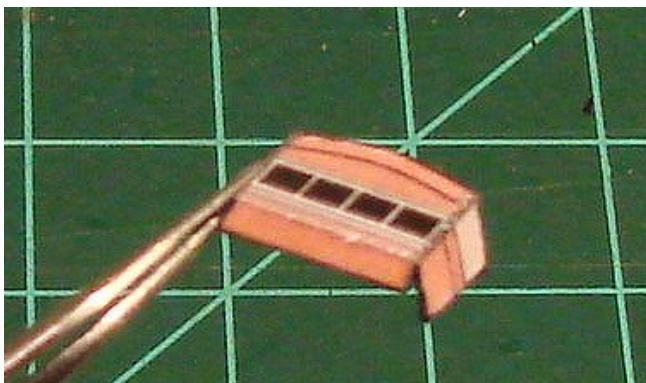


15. Glue the aft ends of part 4 to the sides of the balsa, and the tabs to the bottom of the hull. This will require bending the bottom edge of the part in to meet the waterline, while holding the upper rail firmly against the side of the hull. It is easiest to do this one side at a time.

Be patient! Give the glue plenty of time to set (at least a minute) before letting go.



16. Rough cut and score the stern gallery (Part 8). Trim it and fold as shown.



17. Glue the gallery in place at the stern, making sure

to line up the graphics for the rails on the sides of both parts. Fold the tab on the bottom under, and glue the edge to the hull.



18. Next, score, trim and tint the edges of the deck (part 9). Tint the edge at the stern black. Fold the deck as shown, and dry fit the deck to the hull. If it does not fit, trim the edges a little at a time, until it drops neatly into place. Glue the sternmost part to the stern rail first, aligning the top edges of the rails as closely as possible, and trim or tint to hide any misalignment.



19. After the glue on the stern rail is set, spread a little glue on the forward part of the deck, and at the front edge of the quarterdeck, and press the deck into place.



ARMING THE VESSEL

Adding guns to the deck of your ship will give it the appearance of being ready for action. See the “Gun Instructions” section in the “General Instructions”, available as a free download from www.warartisan.com for details.

20. Glue guns along the gunwales, at each of the gun ports.

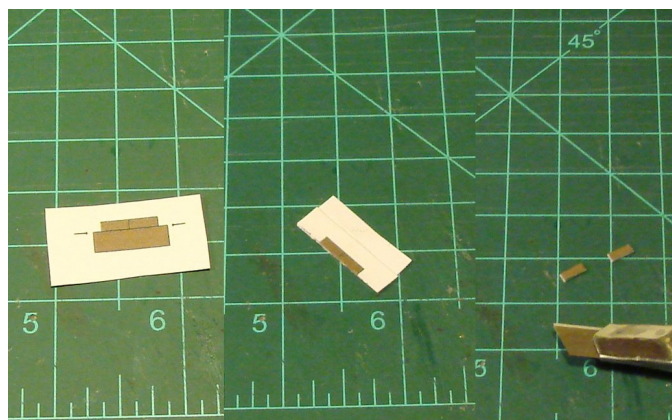
As an additional nice touch, you may want to enhance the detail of the quarterdeck skylight by gluing the extra skylight (Part 10) to a piece of Bristol board, trimming the part when the glue is dry, and then gluing it over the printed skylight on the deck.



ADDING SAILS AND RIGGING

If you are going to rig your model (and this is highly recommended!), then you will need to attach channels to the hull to hold the lower ends of the shrouds and backstays.

21. Score and rough-cut the two channels (Parts 11). Fold and glue the parts, and when the glue is dry trim the parts. When you're done, you should have two small, flat, brown rectangles. Tint the edges, preferably brown.



22. Glue the edge of the channels to the upper outside edge of the gunwales, with the leading edge even with the mast. There are two thin white lines on the hull, indicating where they should go.



23. Cut a bowsprit from 18 gauge wire, 20mm long. Paint the bowsprit either tan or black. Glue the bowsprit as shown, angled slightly up from the horizontal.



24. Build a schooner mast, or topsail schooner mast, from the Sails and Rigging Instructions, using the following dimensions:

mast (toothpick), 45mm
topmast (18 gauge wire), 22mm

25. Drill a hole in the deck, where the spot for the mast is located, making the hole the same size as the mast. Tapering the bottom of the mast a little will help in stepping it to the hull. Glue the mast into the hole, and view the part from all angles to make sure it is square to the hull, and make any necessary adjustments before the glue is completely dry.



26. To add headsails (jibs), cut a piece of thin (24 gauge) wire just long enough to fit from the bowsprit to the foremast, one above and one below the topsail. Mount the sails as described in the Sails and Rigging Instructions, and glue them into place.



The appearance of the model can be greatly improved by the addition of rigging. See the previously mentioned Instructions for a simple method of rigging ships.

Here is the ship with a simple rigging job:



27. Finally, use the flags and/or pennants from the sail sheet to decorate your model. Cut out the flag, fold it in half on the line and glue the halves together, aligning the edges as carefully as possible. Give the flag a few ripples while the glue is drying to show the effect of the wind, and then glue it to the mast or rigging.



Notes: This model is based on contemporary illustrations and descriptions of the sloop *Enterprise*, originally launched in 1771 as *Betsy* by the British at St. Johns, on the Richelieu River. She was captured by American rebels in 1775, and subsequently served on Lake Champlain until 1777.

000instructions.pdf
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