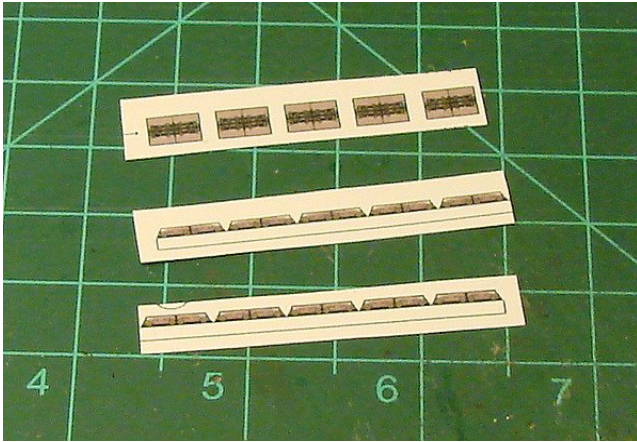


## ARMING YOUR VESSEL

Guns are fairly small parts in this scale, and a little "fiddly" to make, but they add a lot to the look of the finished model. Here's a method to make some parts that will give your ship's deck the look of being fully armed, with the guns run out and ready for action.

### BUILDING BROADSIDE LONG GUNS

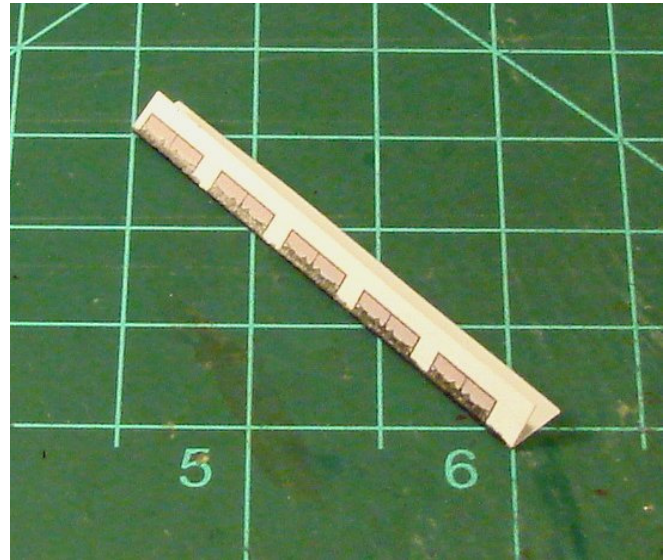
1. First, rough cut part I and parts II.



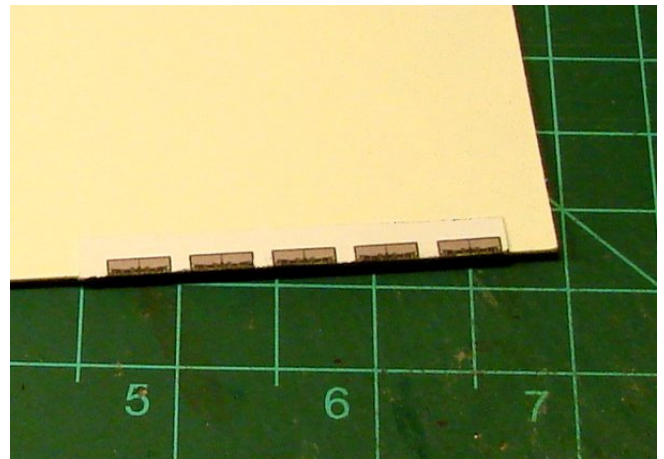
2. Score Part I down the middle (along the line marked by the small arrows at either end).



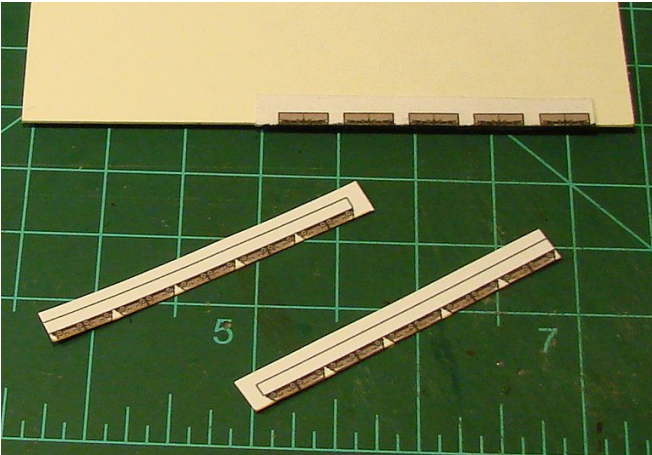
3. Fold Part I along the score, and tint the crease black. The edge of a thin metal ruler will be helpful in getting a sharp crease.



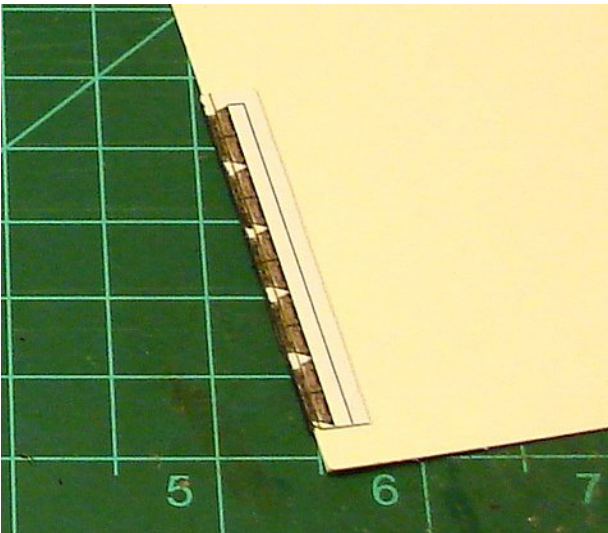
4. Spread glue over the inside of Part I, and glue it over the edge of a piece of Bristol board. Make sure the crease of the part is securely against the edge by running a fingernail or knife handle along the crease. Hold it in place until the glue sets.



5. Trim the two Parts II along the top edge (as shown), and tint the trimmed edge, preferably brown.



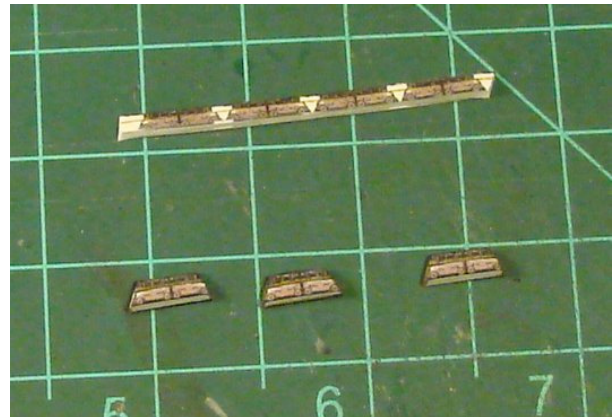
6. Glue one of the Parts II to each side of Part I, lining up the tinted edge of Part II with the bottom edge of the gun barrels on Part I, as shown.



7. After the glue is completely dry, cut the strip of guns from the edge of the Bristol board. Use a sharp blade; several steady, shallow cuts will work better than a single, heavy cut.



8. Cut the pairs of guns apart, removing all of the white sections between the pairs of guns. Tint or paint the angled end of each part brown, with a black dot at the top where the breech of the gun barrel would be.



9. Separate each pair of guns at the line, making sure to keep the knife blade straight and vertical.



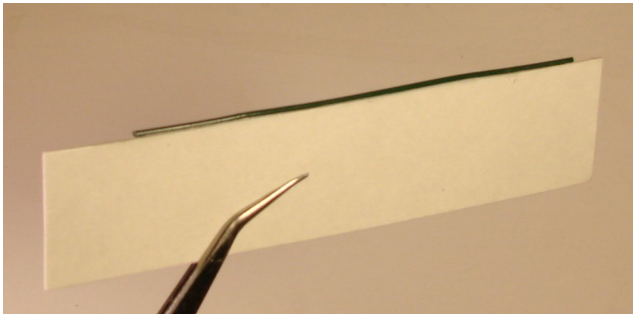
The square ends of the parts do not need to be tinted, since they will be glued up against the gunwales, one at each of the gun ports (see the example below).



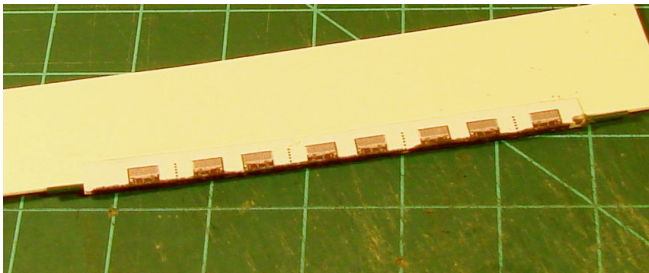
### BUILDING LONG GUNS

(for those firing over the gunwales or mounted on pivots)

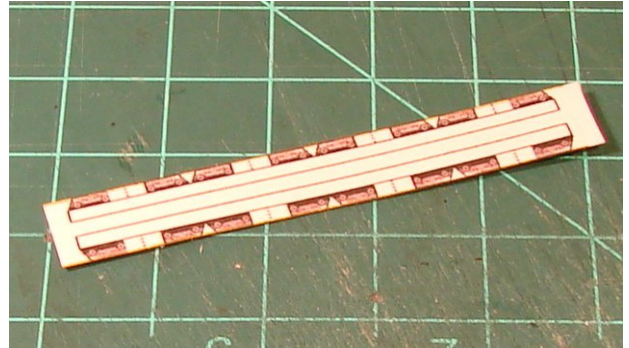
1. Glue a piece of 18 gauge wire along the edge of a scrap of Bristol board. Make it at least as long as the combined length of the parts I.



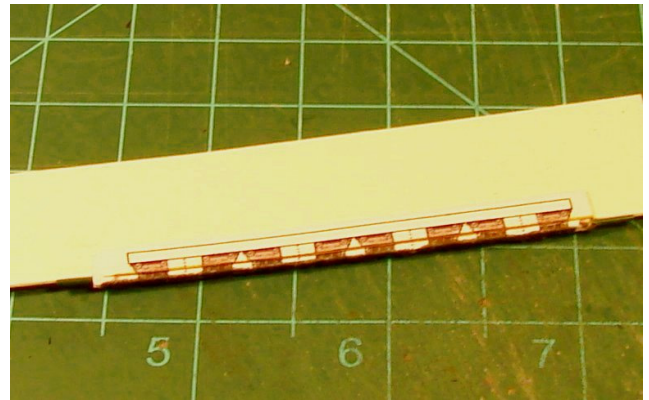
2. Fold the parts I along the score, and glue them over the piece of wire, as shown. Tint the crease along the top of the part black.



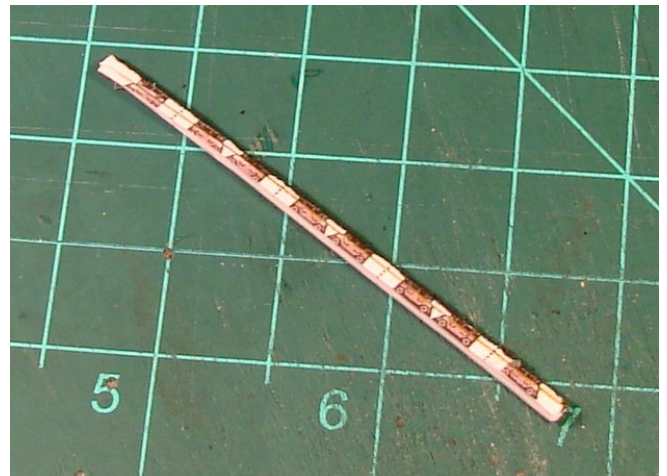
3. Trim parts II as shown, and tint the edges, preferably brown.



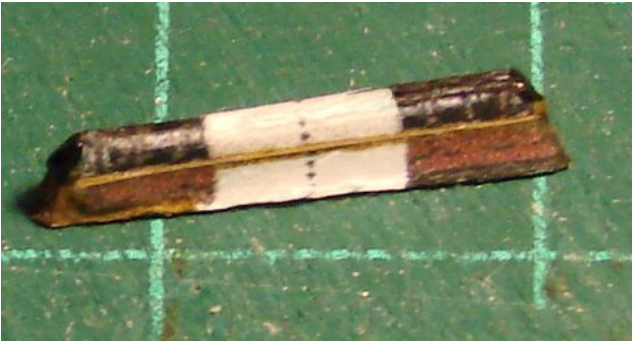
4. Separate the two strips of parts and glue one to each side of part one, lining up the edge along the bottom of the gun barrel graphics as closely as possible.



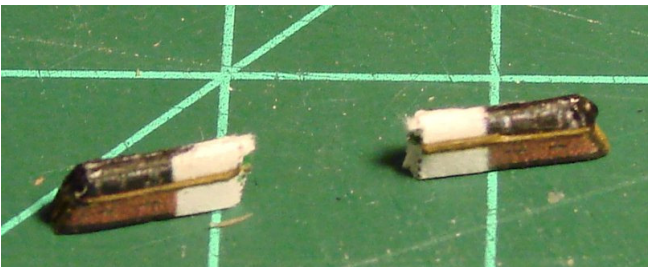
5. When the glue is completely dry, cut the constructed strip of guns from the board along the bottom edge of the carriages. Several steady, shallow cuts are better than one deep one; keep the blade of the knife perpendicular to the part while cutting.



6. Using the wire cutter, separate the pairs of guns by cutting along the angled ends and discarding the white triangular sections in between.



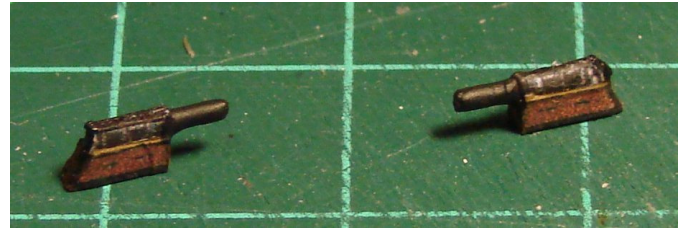
7. Separate each pair by cutting them apart on the dotted line, using the wire cutter.



8. Using a sharp blade, cut around the wire, removing the unprinted material from each gun. You should have a part like the one on the right, below. (Occasionally, the glue will not hold the wire in place when you pull away the unprinted material; simply dip it in some glue and slide it back into place.) Coating the exposed wire with white glue will help hold it in place, and disguise the transition where it meets the carriage. Allow this to dry thoroughly before the next step.



9. Paint or tint the ends of the carriage brown, and the gun barrels black, putting a dot of black at the breech end.



This type of gun can be mounted to fire over the gunwales, either at the bow of a gunboat, or along the sides.

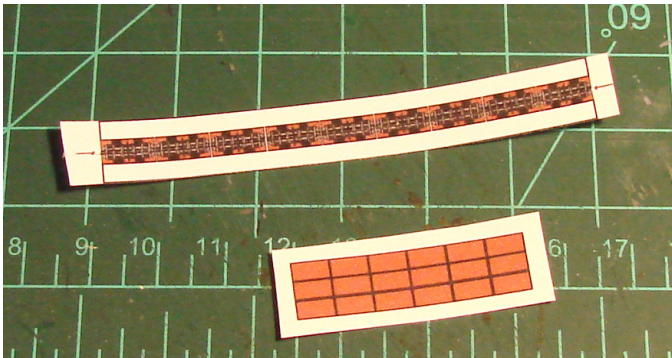


It can also be used as the slide carriage on a pivot mount.

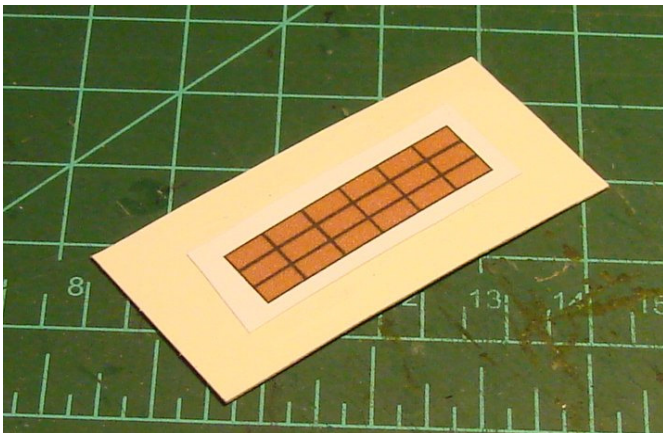


## BUILDING CARRONADES

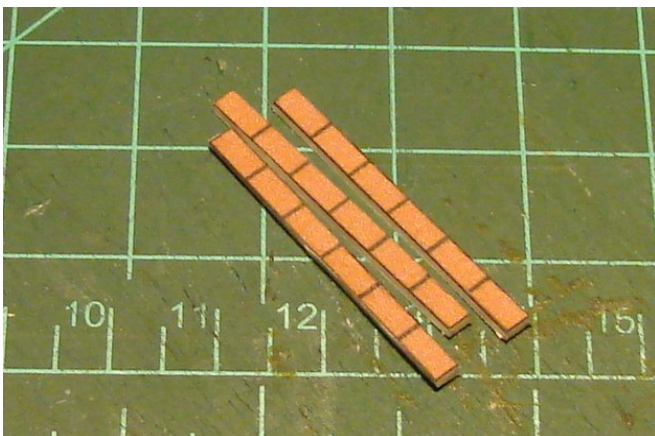
1. First, rough cut part I and parts II.



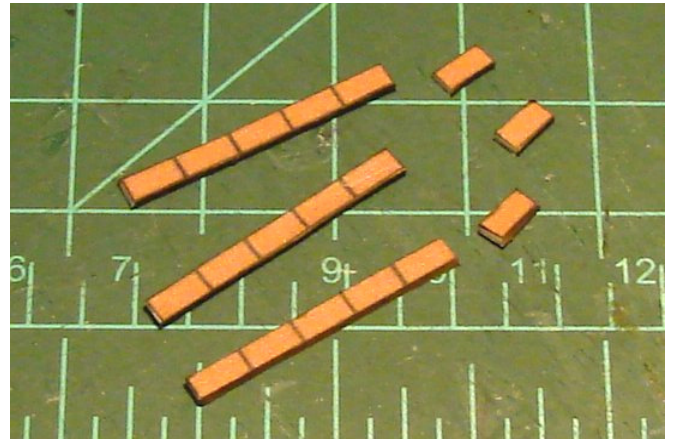
2. Glue part II (the carriages) to a scrap of Bristol board.



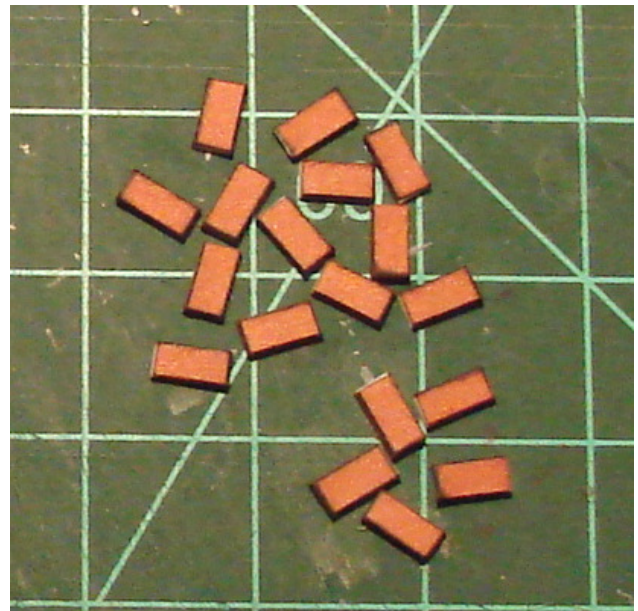
3. When the glue is dry, cut the carriages into strips, as shown.



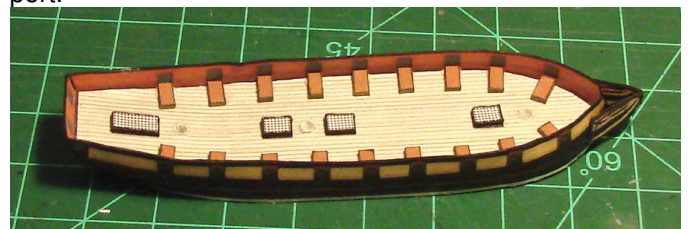
4. Tint the long edges and one end of each strip, preferably brown. Cut the part from the tinted end of each strip.



One end of each piece can remain untinted, since it will be placed up against the gunwale. Tint the end of each strip again, and continue cutting pieces from the strips until they are all tinted on one end, and separated from the strip.



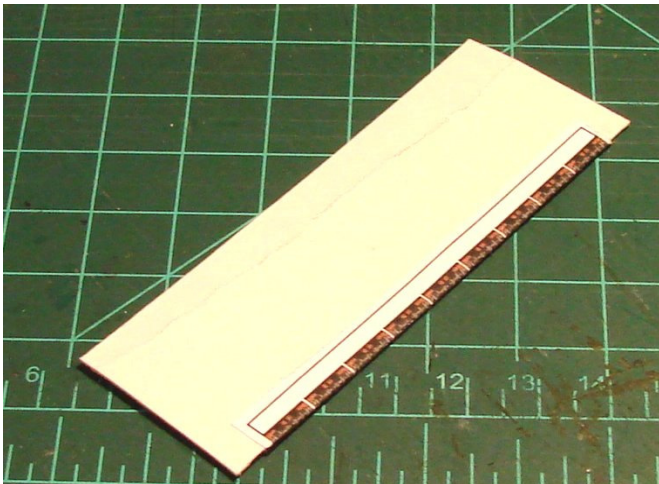
5. Glue one piece to the deck at each of the gun ports which you want armed with a carronade, centered on the port.



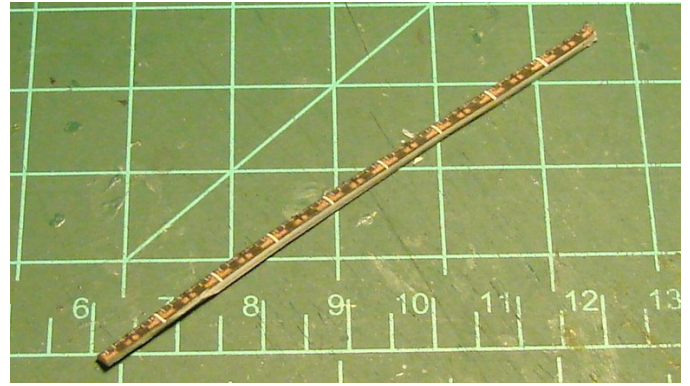
6. Score Part I down the middle (along the line marked by the small arrows at either end). Fold the part along the score, and tint the crease black. The edge of a thin metal ruler will be helpful in getting a sharp crease.



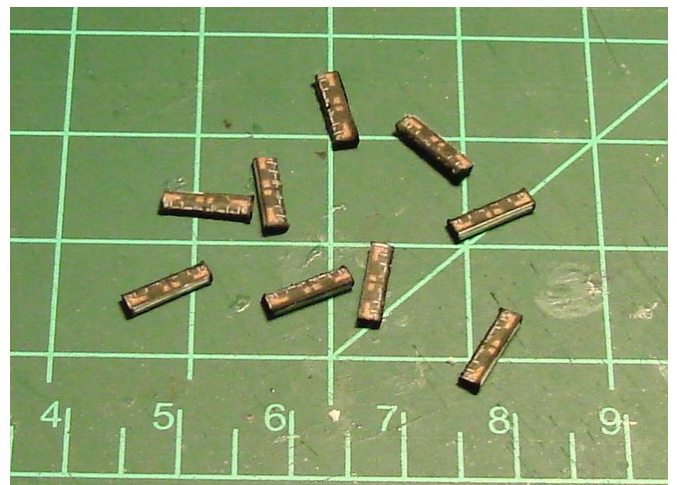
7. Spread glue over the inside of Part I, and glue it over the edge of a piece of Bristol board. Make sure the crease of the part is securely against the edge by running a fingernail or knife handle along the crease. Hold it in place until the glue sets.



8. After the glue is completely dry, cut the strip of guns from the edge of the Bristol board. Use a sharp blade and a metal straightedge; several steady, shallow cuts will work better than a single, heavy cut. If any white remains showing after the cut, either trim it away or tint it black.



9. Separate the pairs of carronades by cutting at the white lines. Tint the end of each pair black.



10. Separate the pairs by cutting on the black line down the middle of each one. There is no need to tint these cut ends if they are broadside guns because they will be glued up against the gunwales. If mounted on pivots, tint the cut ends black.



11. Glue each of the pieces centered on top of the carriages with the tinted end towards the middle of the deck.



The gun deck should look something like this:

