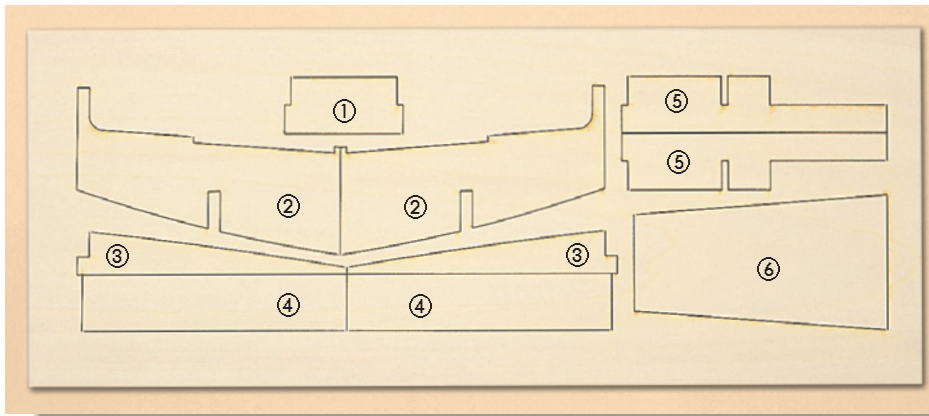
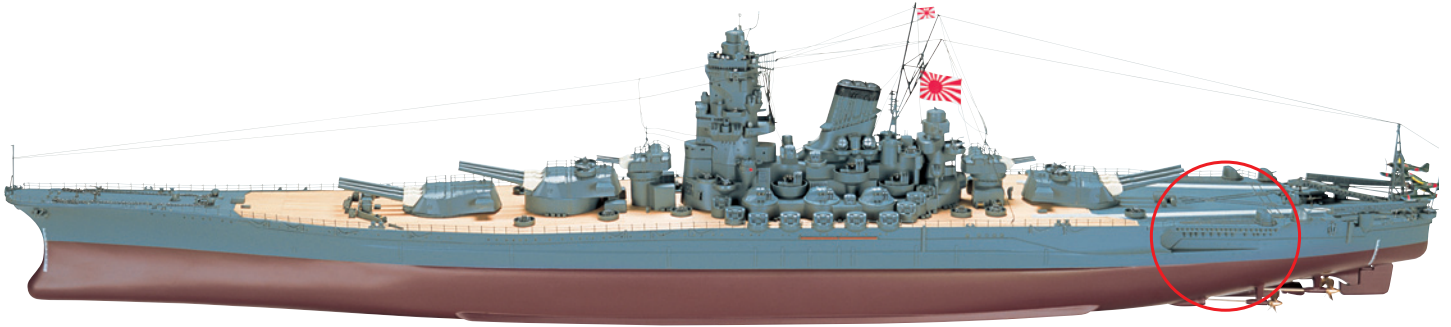




The hull and stern deck



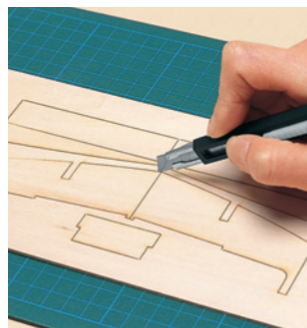
- | | |
|------------------|-----------------|
| ① Rear frame | ④ Side wall x 2 |
| ② Stern deck x 2 | ⑤ Side wall x 2 |
| ③ Stern deck x 2 | ⑥ Stern deck |

Recommended tools and materials

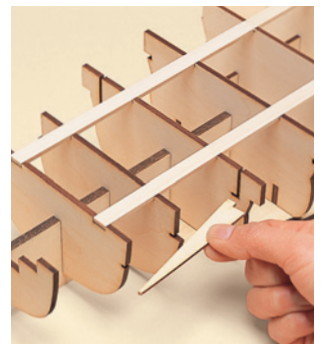
- Wood glue
- Sandpaper (no. 400 grain)
- Craft knife
- Pliers

THE HULL AND STERN DECK

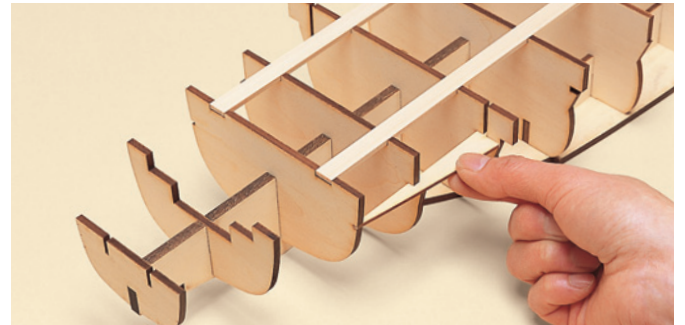
1 Using the craft knife, cut the pieces from the board as shown in the photo. Be careful not to exert too much pressure as this could cause the pieces to break.



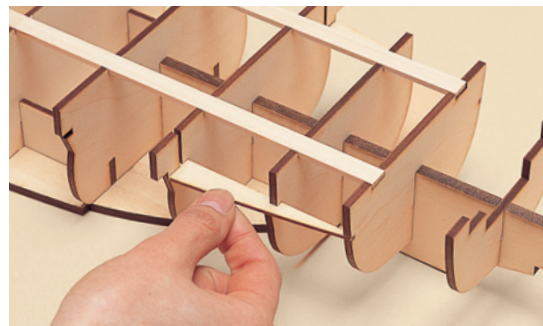
3 Position the hull of the ship as shown in the photo and insert piece no. 3 in the intermediate notches of frames no. 14, no. 15 and no. 16, coating the parts to be fixed with wood glue. Hold piece no. 3 in the direction shown in the photo. Insert it first in the notch in frame no. 14 then in no. 15 and finally in that of no. 16.



2 Smooth the edges of the pieces with sandpaper to remove any irregularities. A sanding block, made of a piece of wood wrapped in sandpaper, as shown in the photo, may be useful.



4 Fix piece no. 3 on the other side of the hull, following the instructions in Step 3. The positioning of the two pieces must be symmetrical.



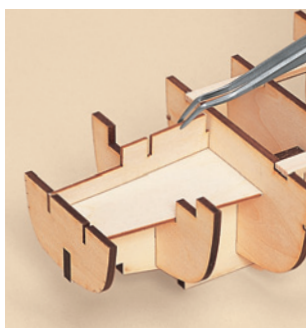
5 Insert piece no. 6 in the lower notch of frame no. 17. Apply glue to the edge of the stern keel and on the sides of frames no. 16 and no. 18.



9 Insert piece no. 2 in the central notch of frames no. 16, no. 17 and no. 18. Holding the piece as shown in the photo, the part circled (right) in red must be stuck in piece no. 5, while the projection of frame no. 17 must go into the notch on the right side (below). Fix it firmly with glue.



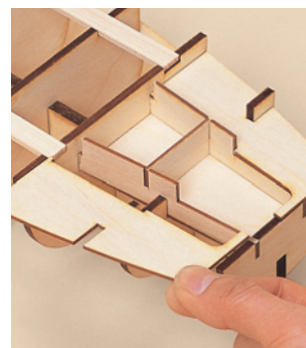
6 Apply wood glue to the edge of piece no. 6 and on the sides of frames no. 16, no. 17 and no. 18, and set piece no. 5 on the port side. Use the notch on piece no. 5 as a reference point, taking care to get the position correct.



7 Glue the other piece no. 5 on the edge of piece no. 6 on the starboard side, following the instructions in Step 6.



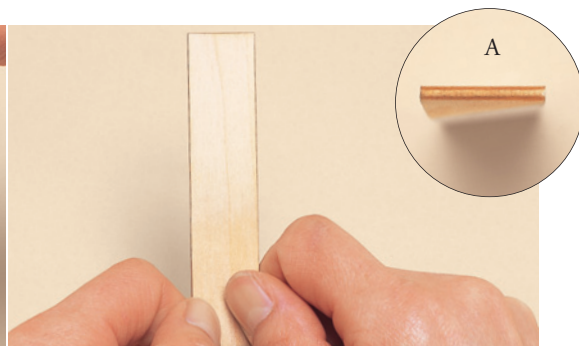
10 Following the instructions in Step 9, glue the other piece no. 2 on the opposite edge. The no. 2 pieces must be positioned symmetrically.



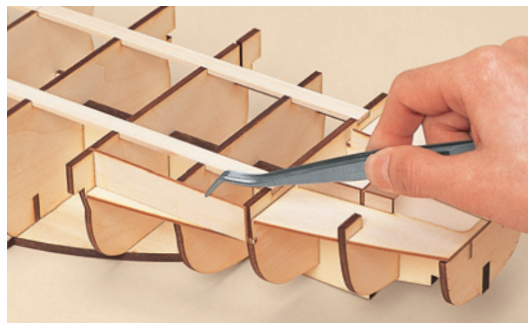
8 Apply glue in the notches of the two no. 5 pieces, and insert piece no. 1, as shown in the photo. Fix it well by pushing it down fully.



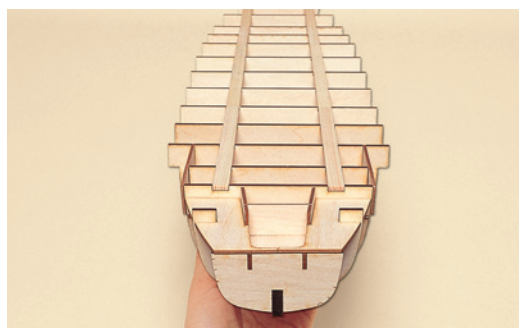
11 You will now have to shape piece no. 4. Referring to Step 12, wet the end to be glued to frame no. 16 and shape it with your hands to the curve shown in photo A, without forcing it too much or it may break. Curve the other piece no. 4 symmetrically.



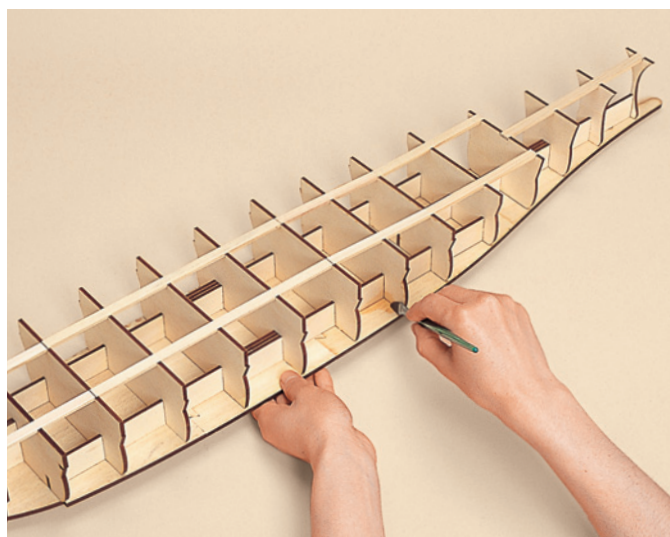
12 Glue piece no. 4 onto the surface of piece no. 3 mounted in Steps 3 and 4. First, insert the uncurved end in the notch of frame no. 14 and then glue the other on the side curve of frame no. 16. The piece must reach halfway across the thickness of the latter. Similarly, glue the other piece no. 4.



13 You have almost finished assembling the hull of the ship. At this point, looking front on at both bow and stern, check that the frames have not become detached or are badly aligned.



14 If corrections are necessary, you must unglue the pieces concerned. Use a brush and impregnate the pieces to be detached with water. After a short time, the glue will begin to soften.

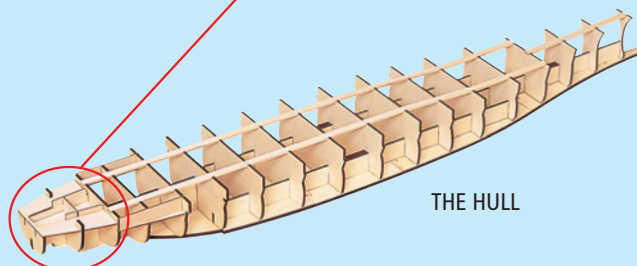


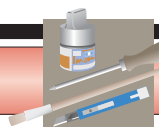
COMPLETED PIECES

STERN DECK

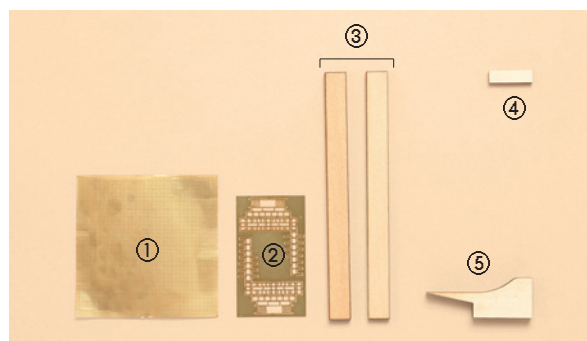
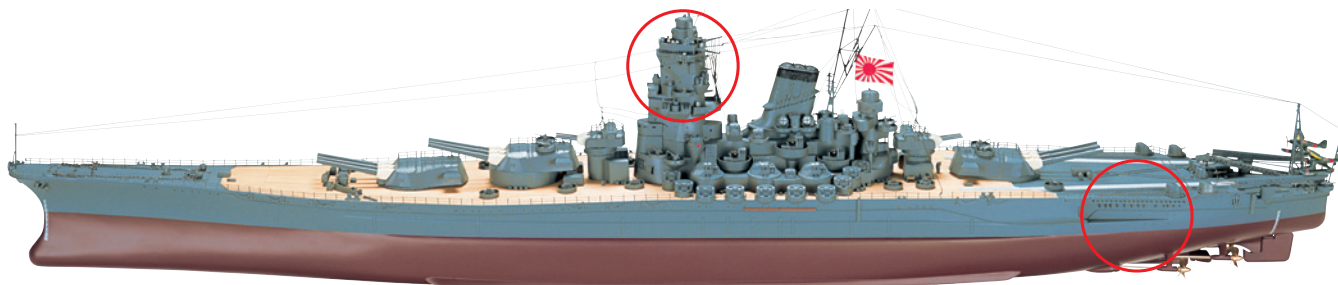


THE HULL





The stern of the hull and the radar



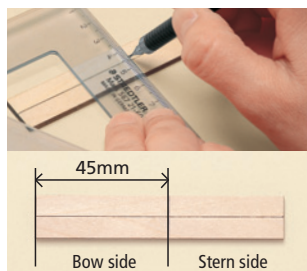
- ① Meshed metal sheet
- ② Radars
- ③ Hull strip aft x 2
- ④ Wood block
- ⑤ Part of the stern hull

Recommended tools and materials

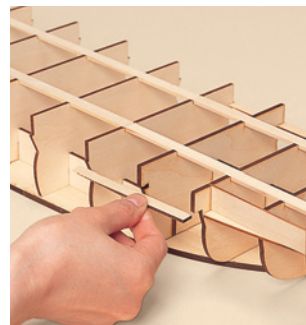
- Wood glue
- Sandpaper (no. 400 grain)
- Craft knife
- Set-square and ruler
- Fine-pointed pencil
- Metal primer
- Model-making spray paint (battleship grey)
- For metal: Super Glue Gel or Two-part epoxy glue
- Tweezers
- Drawing pins

THE STERN OF THE HULL

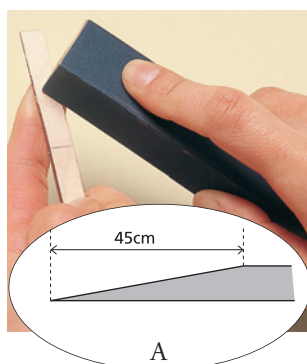
15 Place the two no. 3 strips as shown in the photo. With the fine-pointed pencil and the set-square, draw on both a perpendicular line at 45mm from the left edge (bow side).



18 Following the same instructions as in Step 17, position and glue the other strip on the opposite side.



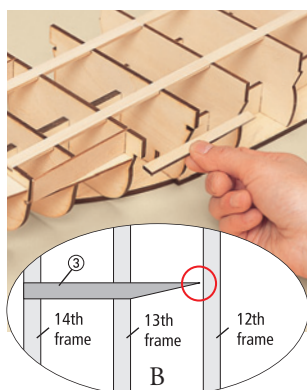
16 With the craft knife, cut the bow side of each strip along the diagonal, as indicated in Figure A. Proceed with care and, if necessary, even them up with sandpaper. Then wrap sandpaper around a block of wood and smooth the surface, as shown in the photo.



19 Apply glue to piece no. 5 and fix it onto the bottom of the hull at the stern, centring it where the stern is thickest.

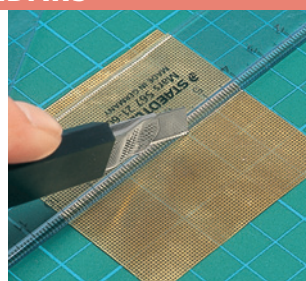


17 After positioning the boat as shown in the photo, insert a no. 3 strip in the side slots of frames no. 13 and no. 14 with the tip pointing forward (Figure B) and fix with glue. Between the tip of the strip no. 3 and frame no. 12 a margin of about 1mm must be left.

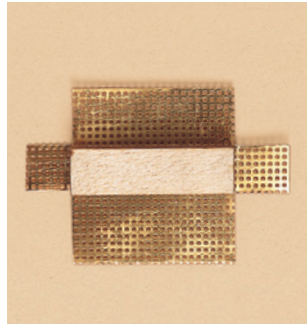


THE RADARS

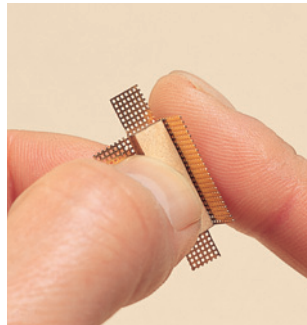
20 Place the ruler on meshed metal sheet no. 1 and, with the craft knife, cut two sections measuring 2x3cm each. Be careful to cut cleanly and precisely.



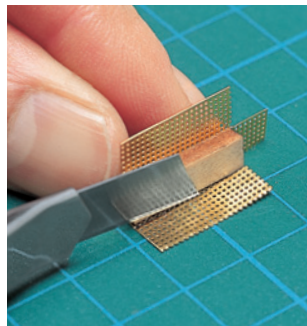
21 After placing block no. 4 in the middle of sheet no. 1, cut and remove the squares corresponding to the four corners as shown in the photo. This operation with the craft knife may be difficult; if necessary, use tweezers.



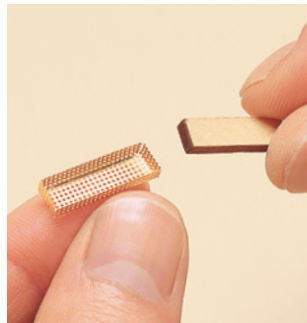
22 Hold block no. 4 as shown in the photo, ensuring that it does not move, then bend a long part of the sheet no. 1 at right angles, gluing it to the side of the block.



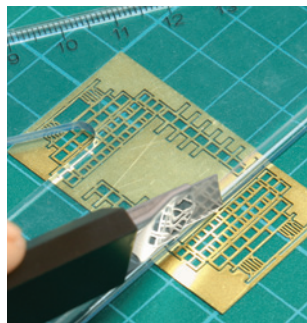
23 Place the block as shown in the photo, holding it firmly, and cut sheet no. 1 with the craft knife. Be careful to cut flush with the wall of the block.



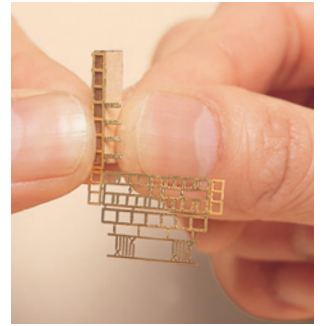
24 Following the procedure described in Steps 22 and 23, fold the pieces of sheet no. 1 flush to each side of the block and trim the excess. Then take out block no. 4. Prepare the second section of sheet no. 1 in the same way to make another lattice 'basket'.



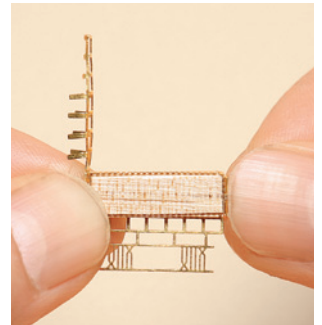
25 With the craft knife and a ruler, separate the two figures shown on piece no. 2, cutting the lines where they join.



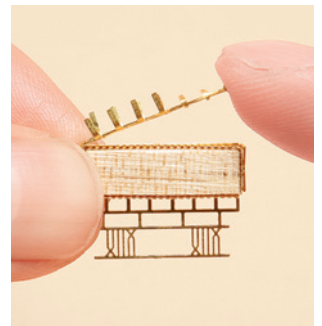
26 As shown in the photo, place block no. 4 on the longer and thinner part of one of the two no. 2 pieces. Pressing on the block, bend the mesh to its walls, then unbend, opening the 'Vs' on the four lower arms. Extract the block and fold completely inwards the three upper arms (photo C, Step 30).



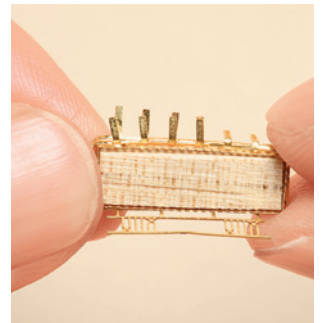
27 Place block no. 4 in the mesh basket and position the basket centrally above the widest part of piece no. 2, as shown in the photo. Bend the right and left folds 90° toward the side walls of the block.



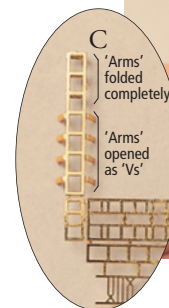
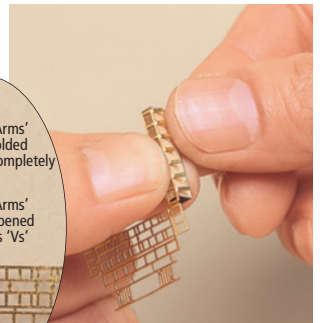
28 Now bend the long thin piece you worked on in Step 26 to the right by 90°. If it fails to stick to the surface, fix it with a little fast-drying glue, applying it carefully to avoid clogging the mesh screen.



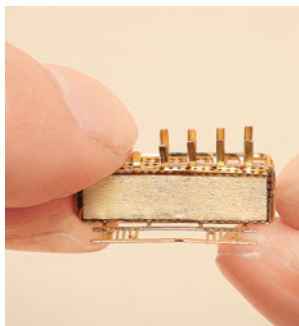
29 Bend the lower piece 90°, as shown in the photo. You have now completed the port radar.



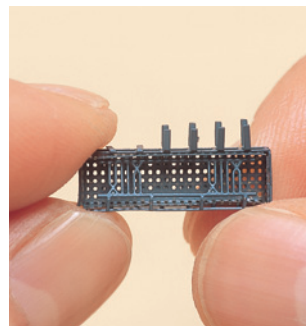
30 Now assemble the starboard radar, following the same procedure. Take the other part of piece no. 2 as shown in the photo and follow the instructions in Step 26.



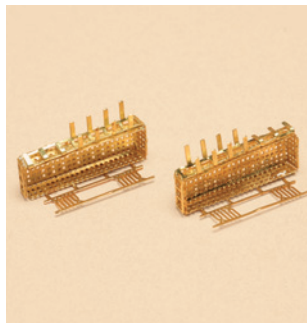
31 Continue building the radar, repeating the operation described in Steps 27, 28 and 29.



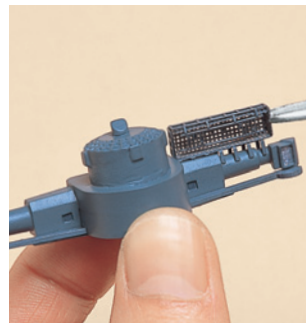
36 Bend the protruding arm of the two radars a little more than 90° inwards. Once inserted into the network basket it will seem more realistic.



32 You now have two radars alongside one another to check that they are symmetrical.



37 Take the main guns command post built in previous issues and fix the port radar on the port rangefinder with glue (see also the photo below, Step 38).



33 Paint the two radars. After fixing them on double-sided adhesive tape to prevent shifting, spray the entire surface with metal primer from a distance of 30cm.



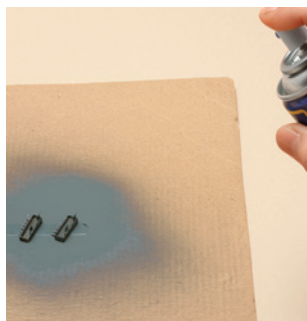
⚠ When using metal primer, ventilate the room well and follow the instructions on the packaging.

34 When the primer is perfectly dry, spray a light coat of model-making battleship grey paint, keeping the spray at a distance of 30cm. Allow to dry.

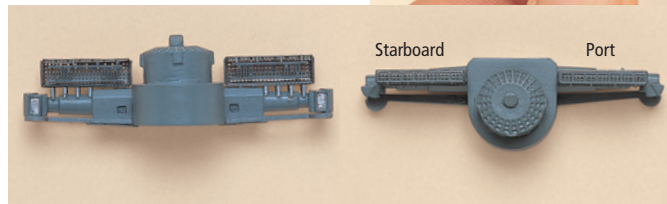
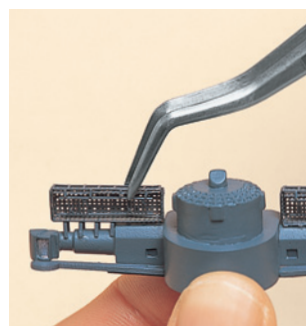


⚠ When using model-making spray paint, ventilate the room well and follow the instructions on the packaging.

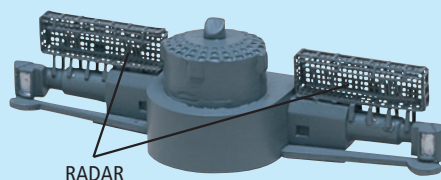
35 Finish the painting by spraying repeatedly and from different directions. To avoid the paint blocking the mesh, try to spray as evenly as possible. Let it dry thoroughly.



38 Similarly, glue the starboard radar to the corresponding arm of the starboard rangefinder.



COMPLETED PIECES

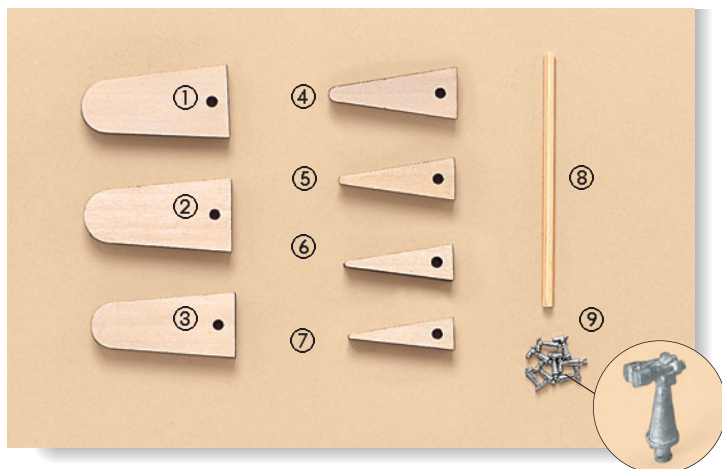
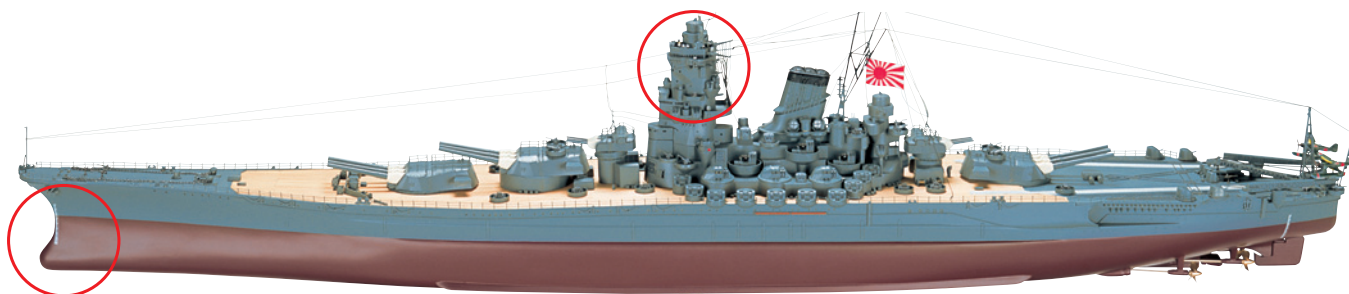


THE HULL
(STERN)





The bow block and telescopes



Recommended tools and materials

- Wood glue
- Metal file
- Sandpaper (no. 800 grain)
- Craft knife
- Pliers
- Metal primer
- Model-making spray paint (battleship grey)
- Model-making watercolour (silver)
- Awl (1.2mm-diameter point)
- For metal: Super Glue Gel or Two-part epoxy glue
- Toothpick

For assembling the pieces 1–7, refer to the 1:1 scale plan on page 33.

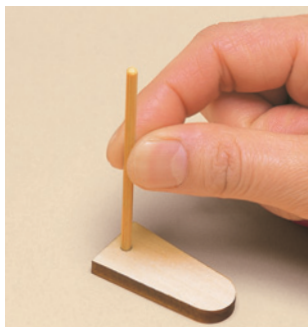
- ① Bow block no. 1
② Bow block no. 2
③ Bow block no. 3
④ Bow block no. 4

- ⑤ Bow block no. 5
⑥ Bow block no. 6
⑦ Bow block no. 7
⑧ Rod

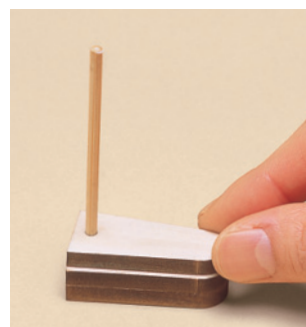
- ⑨ Telescopes x 8

THE BOW BLOCK

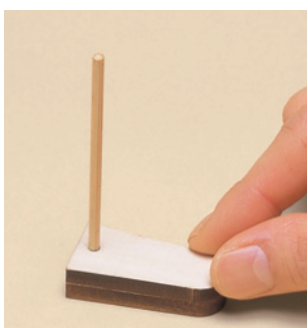
39 Place block 1 as is shown in the photo. Insert rod no. 8 into the hole and fix it firmly with the fast-drying glue.



41 As in Step 2, glue block no. 3 on the surface of block no. 2. The base of each piece must be perfectly aligned.



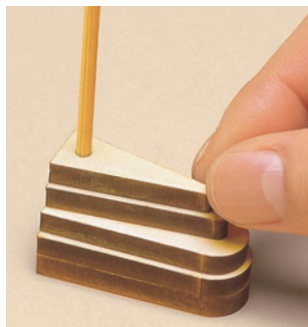
40 Place what was assembled in the previous step as is shown in the photo and, after applying wood glue, insert block 2 over the rod. The base of each piece must be perfectly aligned. Press hard on the two blocks to eliminate any space between them.



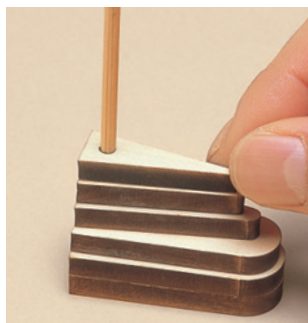
42 Similarly, glue block no. 4 on the surface of block no. 3. The base of each piece must be perfectly aligned.



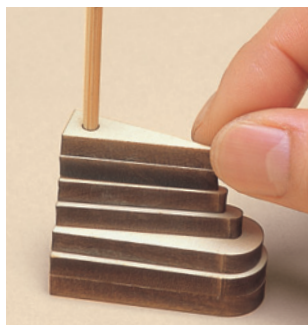
43 Continue by gluing block no. 5 on the surface of block no. 4. The base of each piece must be perfectly aligned.



44 Now glue block no. 6 on the surface of block no. 5. The base of each piece must be perfectly aligned.



45 Finally, glue block no. 7 on the surface of block no. 6. Remember that the base of each piece must be perfectly aligned.

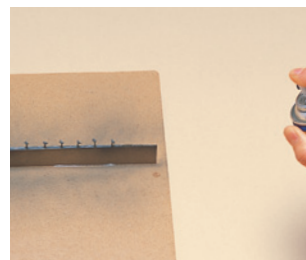


48 Now paint the telescopes. First, spray with the metal primer from a distance of 30cm. Putting the pieces on a strip of cardboard, will make the operation easier.



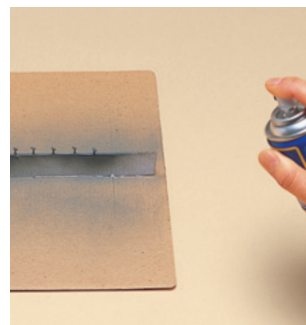
⚠ When using metal primer, ventilate the room well and follow the instructions on the packaging.

49 When the metal primer is completely dry, apply a light and uniform layer of battleship grey model-making spray paint, keeping the canister about 30cm away. Let it dry thoroughly.



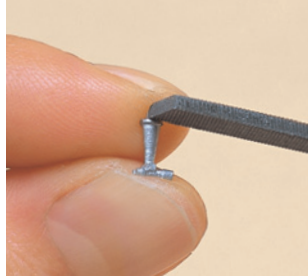
⚠ When using model-making spray paint, ventilate the room well and follow the instructions on the packaging.

50 Complete the painting by spraying repeatedly and from different directions. Spread the paint over the entire surface as evenly as possible to prevent it thickening at any point and covering the details of the pieces. Let it dry well.



THE TELESCOPES

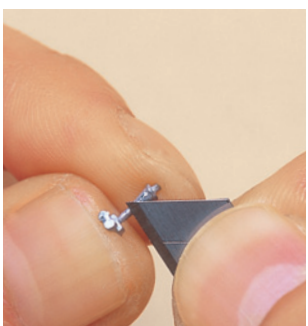
46 Smooth all telescopes no. 9 with the metal file and then with sandpaper to eliminate any irregularities.



51 Now paint the surface of the lenses of telescopes no. 9 using the silver model-making watercolour on the tip of a toothpick. Paint the lenses at the other end of the telescopes and allow to dry.



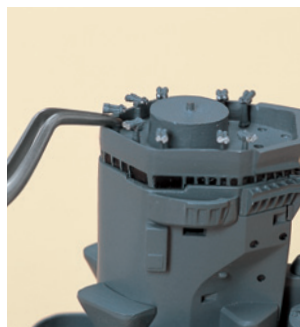
47 If the telescopes are not well shaped, correct this with the craft knife. By holding the piece as shown in the photo, the operation will be easier, but be careful not to cut your fingers.



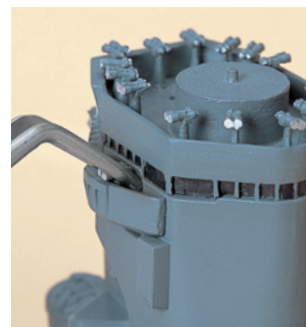
52 Now place the telescopes on the upper part of the deck. First, drill holes with the 1.2mm-diameter awl at the points indicated on the surface of the deck. Hold the awl perpendicular when drilling.



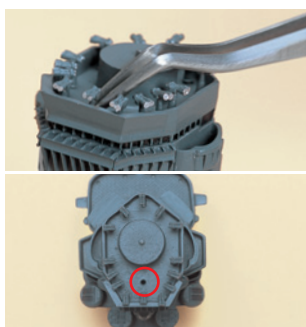
53 Place one of the telescopes in the hole as shown in the photo and fix with metal glue. The telescopes must be set at right angles to the surrounding wall.



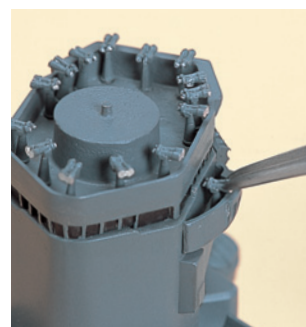
56 With metal glue, fix one of the two telescopes on the side ledge at the top of the command deck. For this operation, refer to the 1:1 scale plan given in the building instructions on page 23.



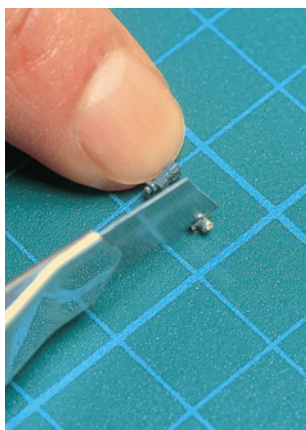
54 As in Step 53, insert the telescopes in the remaining holes, fixing them with metal glue, except for the central hole (highlighted by the red ring in the photo below) which is reserved for the compass.



57 Similarly, use metal glue to fix the other telescope on the ledge on the opposite side.



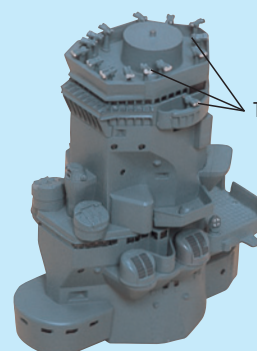
55 With the craft knife, blunt the ends on the lower part of the two remaining telescopes, as shown in the photo.



COMPLETED PIECES

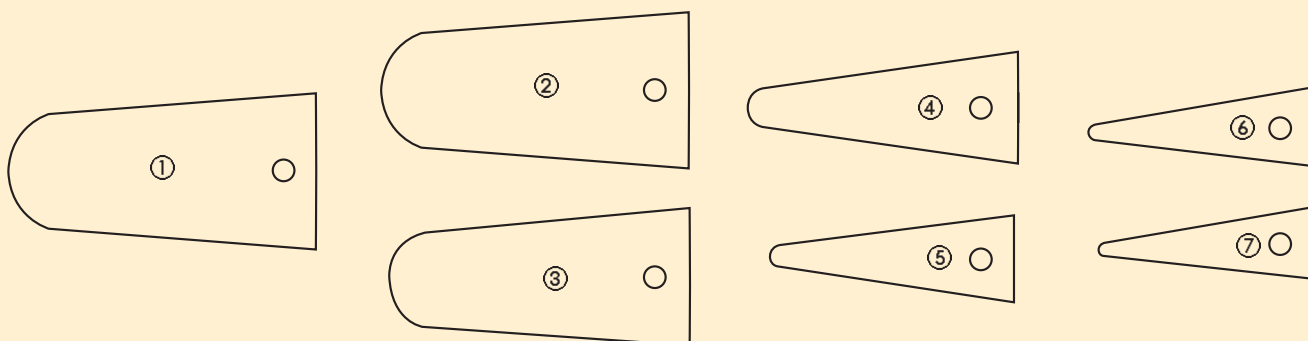


BOW BLOCK



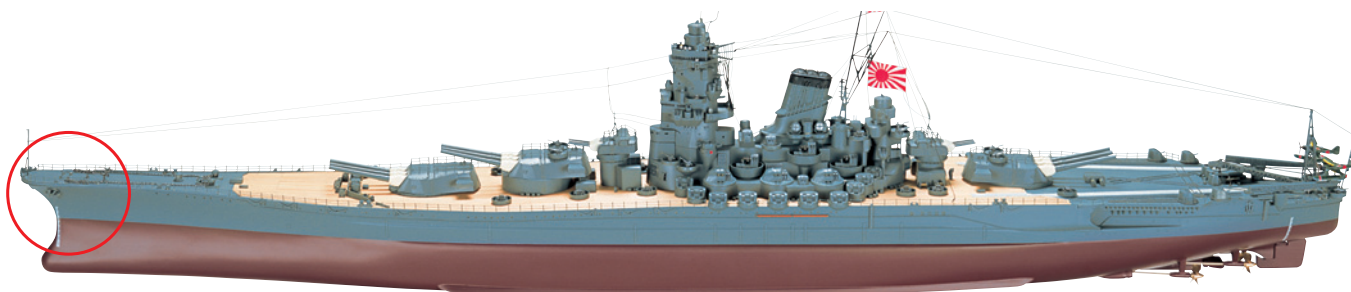
TELESCOPES

1:1 SCALE REFERENCE PLAN OF THE SIZE OF THE BOW BLOCK PIECES





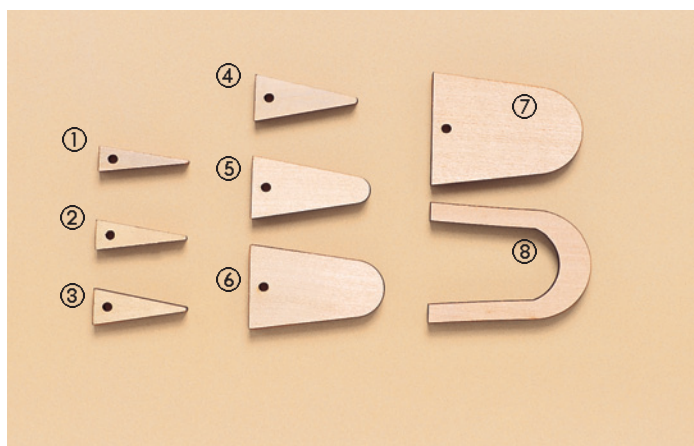
The bow block



Recommended tools and materials

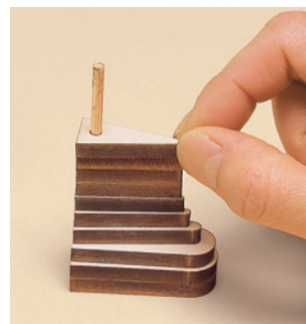
- Wood glue
- Sandpaper (no. 400 grain)
- Craft knife

For assembling the pieces 1–8, refer to the full-scale plans on page 36.



- | | |
|--------------------|--------------------|
| ① Bow block no. 8 | ⑤ Bow block no. 12 |
| ② Bow block no. 9 | ⑥ Bow block no. 13 |
| ③ Bow block no. 10 | ⑦ Bow block no. 14 |
| ④ Bow block no. 11 | ⑧ Bow block no. 15 |

60 Similarly, assemble block no. 10 (3) by superimposing it onto no. 9 (2).

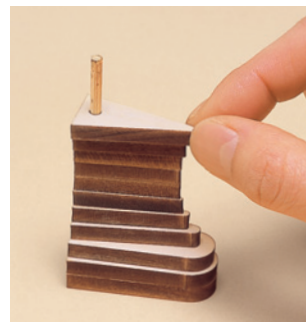


THE BOW BLOCK

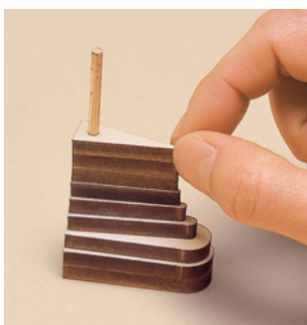
58 Place the bow block built previously as shown in the photo. Apply glue to the upper part and fix on it block no. 8 (1), inserting the rod into the hole and aligning the base of the piece with the one below.



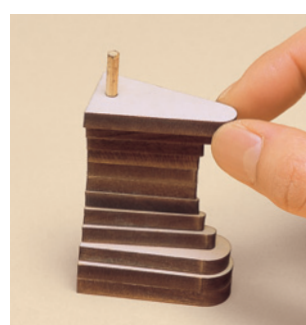
61 Glue block no. 11 (4) onto the surface of block no. 10 (3), aligning it with the base of each piece below.



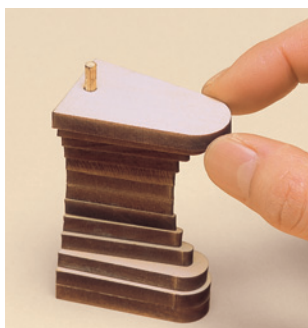
59 As in Step 1, glue block no. 9 (2) on no. 8 (1).



62 Continue by gluing block no. 12 (5) onto the surface of block no. 11 (4). Be careful to align the base with the pieces below.



63 Now glue block no. 13 (6) on the surface of the block no. 12 (5). Be careful to align it and glue without leaving gaps.



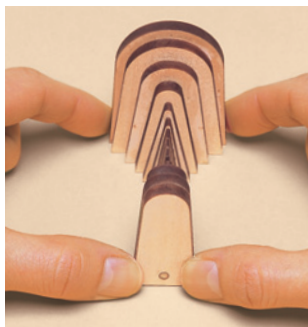
64 Continue by gluing block no. 14 (7) on the surface of block no. 13 (6). Be careful to align the base with the pieces below.



65 Finally, glue block no. 15 (8) on top of block no. 14 (7). Align both sides on block no. 15 with the right side of no. 14, ensuring that block no. 15 protrudes evenly over the pieces underneath.



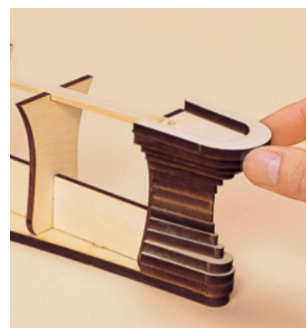
66 Place the assembly as shown in the photo and check, starting from the bottom, that the bases of the pieces are correctly aligned.



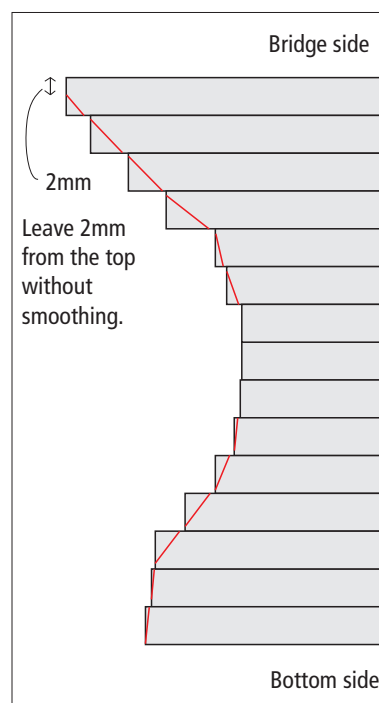
67 In the case of slight misalignment, adjust with sandpaper. Use a block of wood wrapped in no. 400 grain sandpaper.



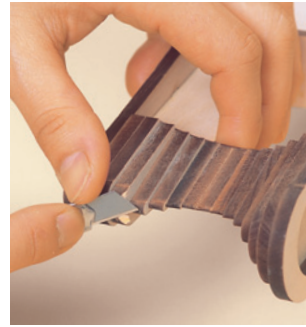
68 Take the part of the hull built in previous issues and glue the bow block to the face of the first frame. After centring it, so that it protrudes evenly from the sides of the frame, fix it firmly.



69 Smooth the bow block, working it roughly. Since the outline must be continuous with the curved line of the hull's sides, the final finishing will be done later. Excessive trimming at this stage is likely to be counterproductive, and so file down leaving a margin to adjust later. Following the red reference line illustrated in the figure alongside, level the steps between one block and the next, in order to give uniformity to the hull wall. It is possible that with filing, the outer, darker part of individual blocks will disappear.



70 Continue to finish the tip of the bow. Hold the craft knife so that the blade is angled and begin to scratch the outer surface. Do it several times, working the surface gradually with the point of the blade, taking care not to cut yourself.



71 Proceed similarly on the deck side, reducing the tip so as to give it a less severe outline to the bow block.



72 Now finish the sides. Since it is a surface easy to smooth, proceed gradually. In the places difficult to reach, hold the blade horizontally and scrape the surface crosswise. After working one side, go on to the next, following the same pattern and working symmetrically.



74 Having achieved a rough finish as shown in the photo, there is no need to go further. Also, avoid sandpapering to remove any splinters. Further finishing will come later.



73 Once the sides have been reduced, smooth the junction points and the bottom side, so that the surface follows a curve. Proceed a little at a time, checking the result as you go.



COMPLETED PIECES



BOW BLOCK

1:1 SCALE REFERENCE PLAN OF THE SIZE OF THE BOW BLOCK PIECES

