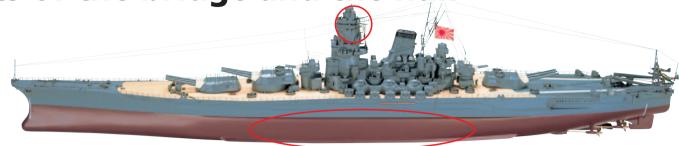
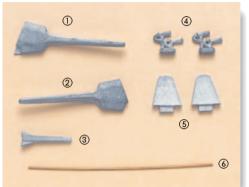
Parts of the bridge and the hull





- 1) Part of the bridge
- 2 Part of the bridge
- ③ Part of the bridge
- 4 Radar x 2
- ⑤ Part of the bridge x 2

### Recommended tools and materials

- Fast-drying glue and wood alue
- Metal file
- Sandpaper (grain no. 240 and no. 800)
- For metal: Super Glue Gel or Two-part epoxy glue
- Craft knife
- Putty

- Double-sided adhesive tape
- Spatula and small brush
- Fretsaw
- Pliers
- Drill (diam. 0.5mm)
- Metal primer
- Wood primer
- Spray paint (battleship grey)
- Watercolour (silver)

### PARTS OF THE BRIDGE

1 Use the metal file to smooth pieces 1 to 5 to remove any irregularities. Where the file will not reach, use the blade of the craft knife, being careful not to cut your fingers.



When the metal primer is 4 completely dry, apply a light and even coat of battleship grey spray paint from a distance of about 30cm. Let it dry thoroughly. Spray the paint several times from different angles.



When using spray paint, ventilate the room well and follow the instructions on the packaging.

After this first smoothing, continue with sandpaper grain no. 800 on all pieces 1 to 5, taking care not to alter the original shape. If there are any holes or dips on the surface, correct them by applying putty, and, after allowing to dry, smooth with sandpaper.



5 After drying, paint the cavities of the two pieces 4 with silver watercolour paint. Apply a dab of paint with the tip of the brush, being careful not to let it drip.



3 Coat pieces 1 to 5 with the metal primer, holding the can at a distance of about 30cm. Fixing them with double-sided adhesive tape to a support will make the operation easier.



Take piece 3, as shown in the 6 photo, and drill a hole of 0.5mm diameter and depth in the centre. The operation is easier if you cut a cross on the point to be drilled with the craft knife. Checking against Figure A in Step 10, make a hole in pieces 1 and 2, on the sides that fix to the bridge.



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



# MODEL SPACE

After applying metal glue on one end of piece 6, insert it into the hole of piece 1. Let the glue dry completely and, with the pliers, cut piece 6 so that it protrudes 0.5mm from the hole. Proceed in the same way with pieces 2 and 3. Keep what remains of piece 6 for later use.



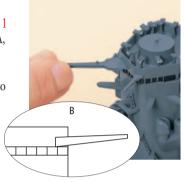
12 After applying metal glue, insert the wire protruding from piece 3 in the hole made in Step 10. Fix it so that piece 3 has the flat side face up and is parallel to the bottom of the bridge.



Rake the command bridge and insert piece 5 in the recess below the window sill on the upper side of the bridge. If the recess is too small, smooth the protruding part of the piece, then apply metal glue. Attach piece 5 parallel to the bottom of the deck. Similarly, fix the other piece 5 on the opposite side.



13 Following Steps 10 to 12, use metal glue to fix piece 1 at the point indicated in Figure A, so that the bottom reaches the upper edge of the window. The piece should be at a slight angle to the bridge (Figure B). The side with the small protrusion must be on top.



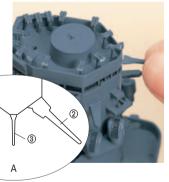
At the centre of the upper portion of piece 5 just glued, fix piece 4, facing the bow as shown in the photo, with metal glue.



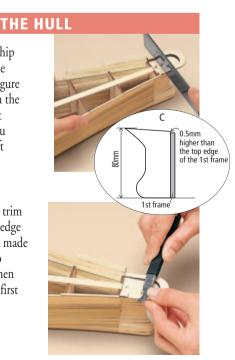
14 As described in Step 13, use metal glue to fix piece 2 in the position shown in Figure A, so that the lower side reaches the top edge of the window. The side with the small protrusion must be on the top.



Place piece 3 on the top of the bridge on the stern side, aligning the bottom of the piece with the top of the window. Make a mark with wire on the wall of the bridge at the height of piece 3.



Take the hull of the ship and make a cut on the surface of the bow block (Figure C). Make a slight mark with the fretsaw 10mm from the first frame toward the bow. If you have no fretsaw, use the craft knife.



1 1 At the spot marked in Step 10, drill a hole 0.5mm in diameter and depth. The operation is easier if you cut a cross on the point to be drilled with the blade of the craft knife.



16 With the craft knife, trim the surface from the edge of the bow toward the mark made in Step 15. Be careful not to scrape the area too much when going from the mark to the first frame.

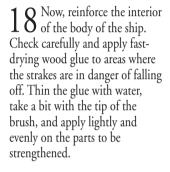
17 Complete the operation by smoothing with sandpaper grain no. 800. This is easier if you use a sanding block.



22 Spray wood primer on the entire body of the ship, from a distance of 30cm. The operation is easier if you turn the hull over on a rest, as shown in the photo.



When using primer, ventilate the room well and follow the instructions on the packaging. It is better to work outside, weather permitting.





23 Once dry, smooth gently with sandpaper grain no. 240, eliminating irregularities. Brush off any dust produced and apply a layer of putty over the surface.



19 Next, deal with the sides. In the previous steps you eliminated unwanted projections. At this stage you have to fill unwanted cracks and cavities. First, take a left-over strake and make a strip by 'planing' it with the craft knife.



24 Cover all dips or cracks identified, covering even the larger cavities well, using a spatula. When the putty is dry, smooth with sandpaper grain no. 240, checking with your fingers that you have smoothed out hollows and bumps.





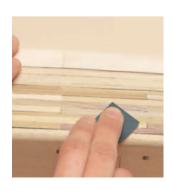
20 Carefully check the sides and insert glue into any cracks. Press the strip obtained in Step 19 into the gaps, without worrying about excess. When the glue is completely dry, remove the excess with the craft knife, as shown in the photo, taking care not to damage anything.



Remove any dust produced in the previous step with a dry cloth and spray the primer over the entire hull of the ship. You have now made the hull of the ship fairly smooth. Further improvement comes in the next building phase.

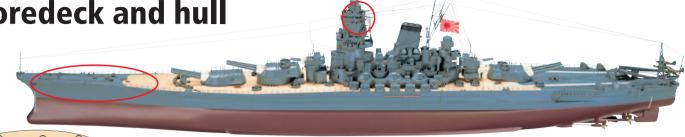


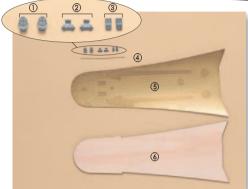
21 Finally, smooth with sandpaper grain no. 240, levelling all the gaps. Although the small ones can be corrected with putty, it is better to use fast-drying wood glue, since the putty may shrink when dry, forcing you to repeat the operation.





Signalling lamps, machine-guns, foredeck and hull





- ① Signalling lamp x 2
- ② Machine-gun (bottom) x 2
- ③ Machine-gun (top) x 2
- 4 Wire
- ⑤ Foredeck base
- **6** Foredeck

Piece 5 is made of photo-etched brass, so avoid touching it with your fingers as much as possible. Prior to painting, it should be degreased with a cleaning agent such as a cellulose thinner.

### Recommended tools and materials

- Fast-drying glue
- Metal file
- Sandpaper (nos 240, 400, 800)
- Craft knife
- Cutters
- Putty
- Double-sided tape
- Tweezers

- Small brush
- Metal primer
- For metal: Super Glue Gel or Two-part epoxy glue
- Primer
- Spray paint (battleship grey)
- Watercolour (silver)

### **SIGNALLING LAMPS AND MACHINE-GUNS**

26 Prepare pieces 1 to 3, using the metal file to eliminate all irregularities. Make sure that the bottom surface of 1 is perfectly smooth.



29 Where pieces 1 to 3 are uneven, or have hollows, remedy this by applying putty with the tip of the craft knife. When the putty is completely dry, smooth the pieces with sandpaper grain no. 800.

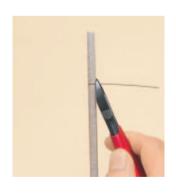




27 Smooth pieces 1 to 3 using sandpaper grain no. 800. Be careful not to smooth the hollow or protruding areas.



30 Cut the wire 4 with the pliers to make four pieces, each 5mm long. To make the operation easier, take a 5mm-wide piece of strake and place one end of the wire on it, fixing it with double-sided adhesive tape, as shown in the photo.



 $28 \, \mathrm{Where}$  it is difficult to work with sandpaper, it is better to use the tip of the craft knife, taking care not to damage other parts or hurt your fingers with the tip.



31 With the metal file, smooth the cut ends of the pieces of wire. Following Step 30, put the four pieces of wire on the 5mm-wide piece of strake and use the file to make them all the same length.



32 Place piece 3 as shown in the fast-drying glue, fix two pieces of wire in the grooves, one at a time. You have just made the top of a machine-gun. Now make another.



37 Take the command bridge and fix the two pieces 1 with the metal glue. Attach the spars that project obliquely on both sides in the middles of the upper surface, aft of the command deck. The signalling lamps must face out to the right and left sides respectively.



33 Paint pieces 1 and 2 and the upper parts of the machine-guns. First, spray metal primer evenly on all parts from a distance of about 30cm. It is easier if you fix the pieces on a strip of wood with double-sided adhesive tape.



38 Take a piece 2, as shown in the photo, and with metal glue fix the upper part of the machine-guns. You must insert the uneven part of the left side of the base of the upper part of the machine-gun in the projection on the right side of piece 2. Repeat the operation for the other machine-gun.



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

34 When the metal primer is completely dry, spray pieces 1 battleship grey from a distance of about 30cm. When the paint is dry, spray again from a different angle. Repeat this several times, changing direction each time.



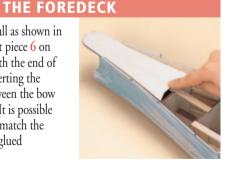
39 Fix a machine-gun starboard of the bridge, on the intermediate base, with metal glue. Assemble it on the ledge inside the base, turning the barrels of the machine-gun outwards. Similarly, fix the other machine-gun on the intermediate port base.



35 Lightly spray pieces 2 and the upper parts of the machine-guns with battleship grey from a distance of about 30cm. When the paint is dry, spray again from a different angle. Repeat this several times, changing direction each time.



40 Position the hull as shown in the photo. Rest piece 6 on the bow, aligning it with the end of the bow block and inserting the edges in the slope between the bow block and the strakes. It is possible that the piece will not match the strakes and cannot be glued properly.



When using spray paint, ventilate the room well and follow the instructions on the packaging.

36 When the spray paint is completely dry, paint the 'bulbs' of pieces 1 with silver watercolour. Put a small amount on the tip of a brush and be sure to paint only the required parts, taking care not to drip anywhere else.



41 Take piece 6 and trim it where it does not fit with the strakes. We suggest trimming both ends on the stern side so as to make them slant. First, pare them roughly with the craft knife, but take care not to overdo it and make a gap between piece 6 and the strakes.



42 After this initial scraping, finish with sandpaper grain no. 240. It is advisable to use a sanding block, made in the usual manner.



47 When the putty is completely dried, smooth the entire surface of the hull with sandpaper grain no. 240 and/or grain no. 400. Take special care over the stern and bow, creating natural-looking curves. We suggest that you smooth the rounded protrusions of the base on the bow as if creating a sphere.



43 After degreasing, evenly spray piece 5 with the metal primer, from a distance of about 30cm.



48 If the sides form a single straight line, the finish after painting will show it at its best. Use sandpaper folded in half, and make sure that the edge comes out perfectly.



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

Where the primer is completely dry, give a light coating of battleship grey spray paint from a distance of about 30cm. When dry, spray again from a different angle. Pieces 5 and 6 will be mounted later, so store them carefully.



49 After removing the dust from the sandpapering with a dry cloth, spray the entire surface of the hull with the primer.



When using spray paint, ventilate the room well and follow the instructions on the packaging.



45 Check the hull closely, and you will notice there are still some small irregularities. Apply putty on all the hollows and gaps you see. Putty the bottom of the hull, too, including small crevices such as joints and graining in the strakes.



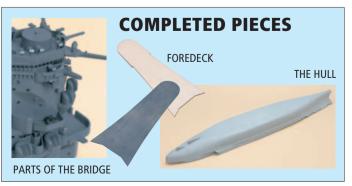
When using primer, ventilate the room well and follow the instructions on the packaging.

50 When the coating is dry, recheck the hull, and if there are still irregularities, repeat the operations described in Steps 45 to 49. Repeat several times until all the tiny irregularities, and all the cracks, are eliminated and the lines are perfectly smooth and curved.



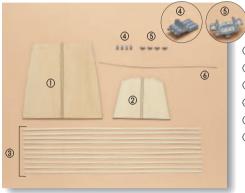
46 Near where the planes are docked at the stern, the area where strakes, side walls, rear deck and metal parts all meet, is where cracks can easily occur. Do not forget to apply putty and cover them completely.





Machine-guns and the foredeck





- ① Deck
  - ② Deck
  - 3 Deck planking x 10
  - ④ Machine-gun (top) x 4
  - (5) Machine-gun (bottom) x 4
  - 6 Wire

### Recommended tools and materials

- Fast-drying glue
- Wood glue
- For metal: Super Glue Gel or Two-part • Pliers
- epoxy glue Metal file
- Sandpaper (grain
- Adhesive tape
- Double-sided
- adhesive tape
- Putty
- Drill (diam.1.2mm)
- Pliers
- no. 240 and no. 800) Set-square

# Craft knife

- Pencil
- Metal primer
- Spray paint for models (battleship grey)

## **MACHINE-GUNS**

Smooth pieces 4 and 5, using **1** the metal file to remove irregularities. After an initial filing, smooth with sandpaper grain no. 800, taking care not to damage the original shape.



Smooth the ends of the wire with the metal file. Following Step 53, arrange the 12 pieces of wire on the 5mmwide strake and, with the metal file, make them all exactly the same length.



52 Where the sandpaper cannot reach, use the tip of the craft knife. Be careful not to damage other parts or cut your fingers. If there are cracks or dips in the surface, correct them with putty. Once dry, smooth with sandpaper grain no. 800.



∠ Place piece 4 as shown in the photo and, with fastdrying glue, fix three pieces of wire in the grooves, one at a time. Make another three tops of the machine-guns.



53 With the pliers, make 12 5mm-long pieces of wire 6. Do this by taking a 5mm-wide strake and, as shown in the photo, placing one end of the wire on it and fixing it with double-sided tape.



56 lake a Jim. ... and make four holes Take a 5mm-wide strake 1.2mm in diameter and 1mm in depth. Insert the projecting parts of pieces 5 in them and fix firmly. Now they are ready to be painted.



57 Paint pieces 5 and the upper parts of the machineguns. First, spray the metal primer evenly from a distance of 30cm. To do this, the upper parts of the machine-guns can be fixed with double-sided adhesive tape.



62 With the craft knife, remove 1mm from one end of the stack of planks made in Step 60. Make sure that the blade of the craft knife is vertical.



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

58 When dry, spray a light coat of battleship grey paint from a distance of about 30cm. Once dry, spray again from a different angle. Repeat several times, changing angles and taking care not to block in the original details.



63 Cut one bundle of planks into two lots of 10cm and one lot of 5cm, thus obtaining ten slats of 10cm and five of 5cm. Then remove the tape.

Repeat with the remaining five 3 pieces, finishing with a total of 20 slats of 10cm and ten slats of 5cm.



 When using spray paint, ventilate the room well and follow the instructions on the packaging.

59 Fix the upper parts of the machine-guns on pieces 5 with metal glue. Place them as shown in the photo and make the upper parts of the machine guns stick to the projections of each piece 5. The machine-guns are now ready. Store them with care for use later.

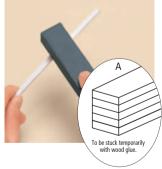


Take the hull of the ship and place the foredeck that you assembled earlier. Insert piece 2 along the line shown in the photo. The side with the double line must be face up. This piece must be glued and mounted with precision on the frames.



THE FOREDECK

Remove any roughness from the decking planks 3, rubbing gently with sandpaper grain no. 240. If they have different widths, work them with a sanding block, as shown in the photo. This will be easier if you fix the ends of the planks with wood glue (Figure A). Be careful not to alter the original shape.



65 If piece 2 extends beyond the frames, smooth the edges by scraping with the craft knife and then rubbing with sandpaper grain no. 800, keeping the symmetry of the two sides in relation to the double line. Be careful not to smooth too much and create gaps between the piece and the strakes.



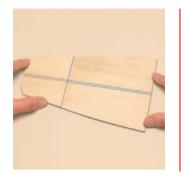
61 Stack five pieces 3, binding them together with adhesive tape. Before doing so, however, touch the glue with your fingers to reduce its stickiness. Make another bundle of five pieces 3.



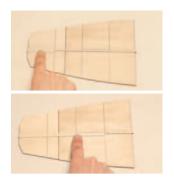
Rest piece 1 as shown in the photo, keeping the side with the double line face up. Firmly glue piece 1 to piece 2. If it proves difficult to insert, deal with it as in Step 65. After fixing all the pieces, remove the foredeck, and pieces 1 and 2 from the body of the ship.



67 Fix piece 1 to 2 with wood glue by aligning the double line. The foredeck is now complete.



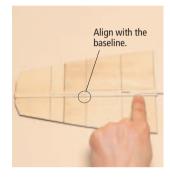
72 Fix a 5cm slat below the one fixed in Step 69, aligning the right edge with the left reference line. It does not matter if the left edge protrudes beyond the deck. To the right of the decking just glued, fix another 10cm one, aligning the right end with the right reference line.



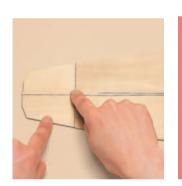
68 Fix the decking prepared in Step 63 on top with wood glue. Apply drops of glue at intervals on one side only and spread it evenly with the tip of a finger. Take care not to apply too much glue as this will make the painting, which will be done later, more difficult.



73 Below the decking fixed in Step 71, glue two 10cm slats, aligning them horizontally to the baseline.



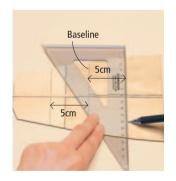
Place the foredeck, as shown in the photo, and glue a 10cm slat on the double line, making it go beyond the left edge by 1mm.



74 Following Steps 71 to 72, fix the remaining decking, alternating the 5cm decking with the 10cm decking, as shown in the photo.



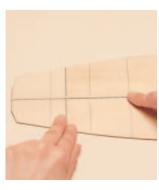
70 In the area to the right edge of the decking just glued, draw a line perpendicular to the double line and take it as the baseline. Then draw a parallel line 5cm away from the baseline, both right and left.

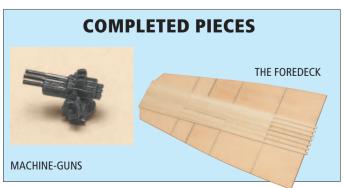


75 On the opposite side of the central line, fix six more columns of decking as described in Steps 71 to 74.



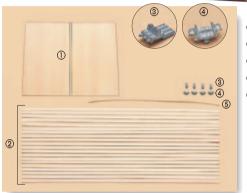
71 Glue another 10cm slat on the double line abutting the left edge to the decking fixed in Step 69. The right edge of this slat should go 5mm beyond the deck.





**Machine-guns and decking** 





- ① Decking
- ② Deck planking x 20
- ③ Machine-gun (top) x 4
- 4 Machine-gun (bottom) x 4
- ⑤ Wire

### Recommended tools and materials

- Fast-drying glue
- Wood glue
- For metal: Super Glue Gel or Two-part epoxy glue
- Metal file
- Sandpaper (grain no. 240 and no. 800)
- Craft knife

- Pliers
- Putty
- Tweezers
- Double-sided adhesive tape
- Adhesive tape
- Metal primer
- Spray paint (battleship grey)

### **MACHINE-GUNS**

76 Smooth pieces 3 and 4 using the metal file to remove irregularities, then rub them with sandpaper grain no. 800, taking care not to damage the original shape. Where the sandpaper does not reach, use the tip of the craft knife.



79 Smooth the ends of the wire with the metal file. Following Step 78, arrange the 12 pieces of wire on the 5mm-wide strake and, with the file, make them all exactly the same length.



77 If pieces 3 and 4 have hollows and dips on the surface, correct them by applying putty, using the tip of the craft knife. When the putty is completely dry, finish the pieces using sandpaper grain no. 800.



Place piece 3 as shown in the photo and, with metal glue, fix three pieces of wire in the grooves, one at a time. You have made the top of a machine-gun. Make another three.



78 With the pliers, cut 12
5 mm-long pieces of the wire.
Do this by taking a 5mm-wide piece of strake and, as shown in the photo, match up one end of the wire and fix with double-sided adhesive tape.



8 1 Paint pieces 4 and the upper parts of the machine-guns. First, spray the metal primer and then spray the battleship grey paint. To do this, the 4 pieces can be inserted in holes bored in a wooden slat and the upper parts of the machine-guns attached with double-sided adhesive tape.

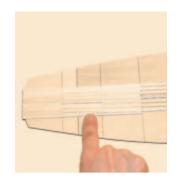


When using spray paint, ventilate the room well and follow the instructions on the packaging.

82 With the metal glue, fix the upper parts of the machineguns on pieces 4. Place them as shown in the photo and get the upper parts of the machine guns to stick to the projections of each piece 4. The machine-guns are now ready; store them with care for use later.



87 To the right of the plank glued in Step 86, fix a 10cm one. Align the right edge to the reference line on the right.

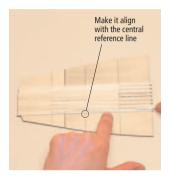


# THE DECKING

Remove any roughness from the planks 2, rubbing gently with sandpaper grain no. 240. If they have different widths, work them with a sanding block, as shown in the photo. The operation will be easier if you temporarily fix the ends of the planks with wood glue (Figure A). Be careful not to alter the original shape.



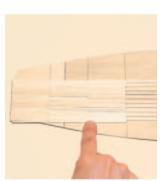
80 Under the column of the decking glued in Step 87, fix the plank of the eighth column. Attach two 10cm slats, making them align with the central reference line. When you glue the right decking, check the alignment with a ruler.



84 Stack five pieces 2, keeping them together with adhesive tape. Before doing so, however, touch the adhesive with your fingers to reduce its stickiness.



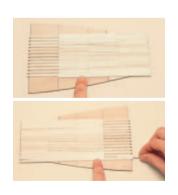
89 Following Steps 86 and 87, fix a column consisting of a 5cm plank and a 10cm plank, and following Step 88 glue a column consisting of two 10cm planks. Repeat the two procedures alternately, up to gluing a 13th column.



85 With the craft knife, remove 1mm from one end of the stack of planks made in Step 84 to align the ends. Divide the stacks of planks into two lots of 10cm and one lot of 5cm, thus obtaining ten slats of 10cm and five of 5cm. Remove the tape. Repeat with the remaining five pieces 2, finishing with a total of 40 slats of 10cm and 20 of 5cm.



90 Following Steps 86 to 89, glue the corresponding decking on the opposite side. Arrange the deck as shown in the photo, and counting from the decking of the centre, fix two 10cm slats in the 14th column, aligning them with the central reference line.



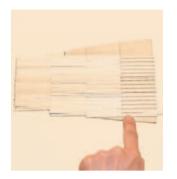
Rake the foredeck assembled so far, as shown in the photo. Under the lowest plank, in the seventh column counting from the centre to the port side, glue a 5cm piece of decking. Make the right edge align with the reference line on the left, and allow it to protrude a little to the left. It must also stick to the plank above.



91 Fix a 10cm plank in the 15th column, aligning the right end with the reference line on the right and making it protrude to the left. At the 16th column, fix a 5cm and a 10cm plank (with the 5cm to the left), aligned with the central reference line.



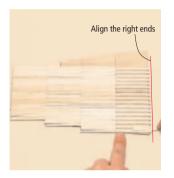
92 In the 17th column, fix a 10cm plank. Align the right end with the right reference line. In the 18th column, fix a 10cm plank, aligning the left end with the central reference line. The left side of the deck visible beyond the reference line will be dealt with later.



97 Take the hull of the ship and, after setting the foredeck on it, place piece 1, keeping the side with the double line face up and inserting the piece under the protruding decking of the foredeck. The piece, which must be mounted with accuracy on the framework, must be fixed well.



93 In the 19th column, fix a 5cm plank. Align the right end with the reference line on the right. In the 20th column, fix a 10cm slat, aligning the right end with projections on the right side of the slats fixed so far. Do not glue a 21st column.



98 If it does not fit well, adjust piece 1, smoothing both sides. First trim them with the craft knife, then smooth them with sandpaper grain no. 800. Keep the symmetry of the two sides in reference to the double line. Smooth gently to avoid creating gaps between the piece and the strakes.



94 Cover the deck visible to the left of the 18th column with a piece of leftover plank. Since the surfaces to stick are very small, press the plank with the tip of a finger until the glue is dry. Keep the other decking. Following the procedures described in Step 90 onwards, fix the other side with its respective planks.



Adjust the shape, remove the decking and then stick piece 1 to the foredeck by attaching it with double-sided adhesive tape. First, apply the double-sided tape to the edge of piece 1, then cut the excess tape with the craft knife, as shown in the photo.



95 When the glue is completely dry, turn over the deck and place it as shown in the photo. With the craft knife, cut the decking protruding to the right, left and bottom of the deck. Do not cut the decking that protrudes at the top.



100 Attach the part of piece 1 that has the adhesive tape to the forward deck and apply glue on the back of the decking protruding from the forward deck, inserting them under piece 1. Continue by aligning the central axis of the foredeck with the two central lines of piece 1.



Take the deck, as shown in the photo, and equalize the length of the projection of the decking with a sanding block. Be careful not to exert too much force, which could cause the slats to break or detach.



