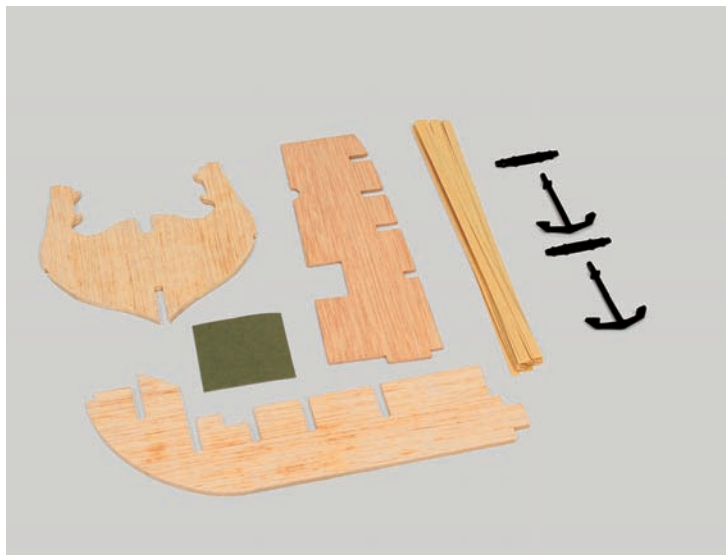


# SAN FELIPE: Step by Step Pack 1

D'AGOSTINI  
**MODEL SPACE™**



## Your parts

False keel  
Frame No. 2  
Bow deck  
Planks

Sandpaper  
Anchor x 2  
Anchor stock x 2



## Tools and equipment

Wood glue  
Set square  
Knife  
Pencil

Clamps  
Tape  
Superglue



**a**

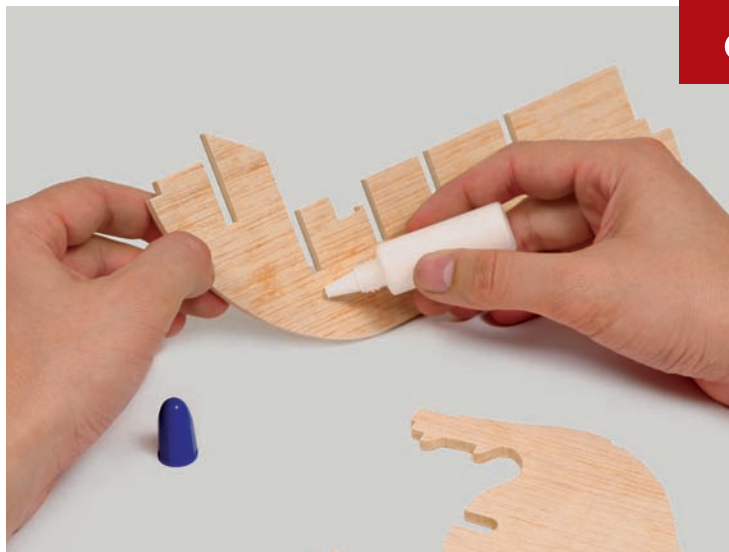
Smooth the edges of all the pieces of wood with sandpaper to remove any splinters. Do this gently to avoid damaging them. It's worth penciling the frame number on Frame 2 to help identify it in future.



**b**

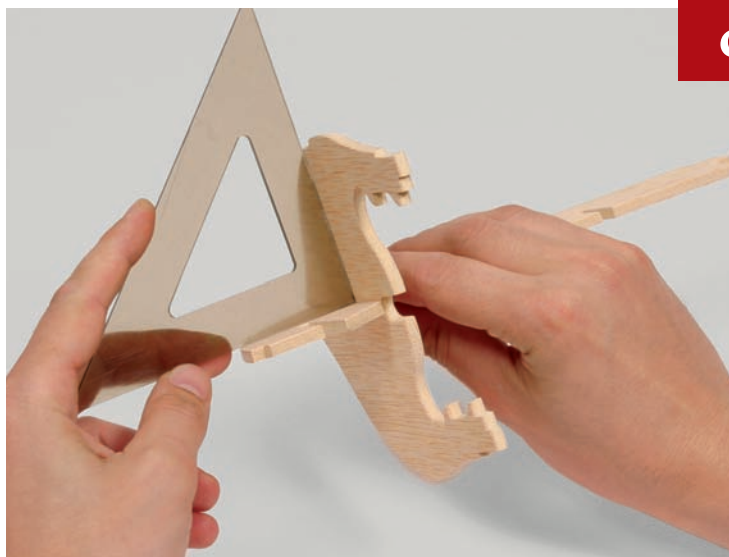
Test-fit Frame 2 to the false keel before gluing it. To do this, place the frame in the second slot of the false keel, and push it down until it stops. Make sure that it goes all the way to the bottom of the false keel.

# SAN FELIPE: Step by Step



**c**

After ensuring that the pieces fit, remove Frame 2 and apply glue to both sides of the keel, below the second slot.



**d**

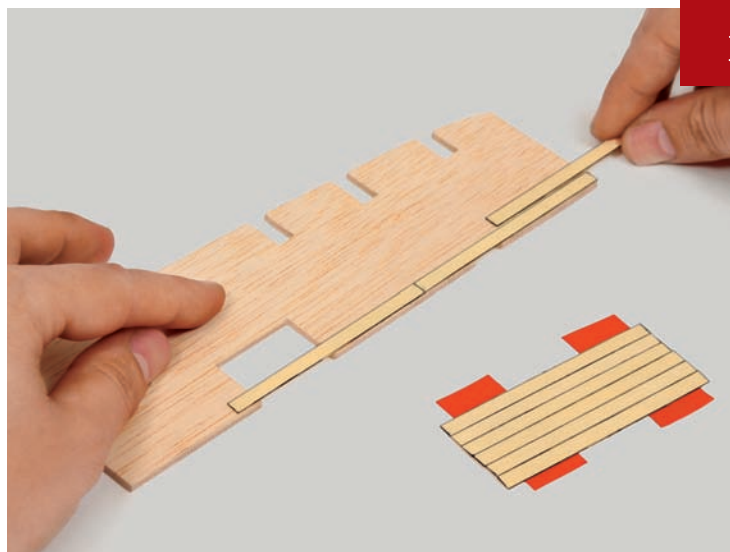
Re-fit Frame 2 in its position on the false keel. Using a set square, make sure the two pieces are at right angles. Keep them in this position while the glue dries.



**e**

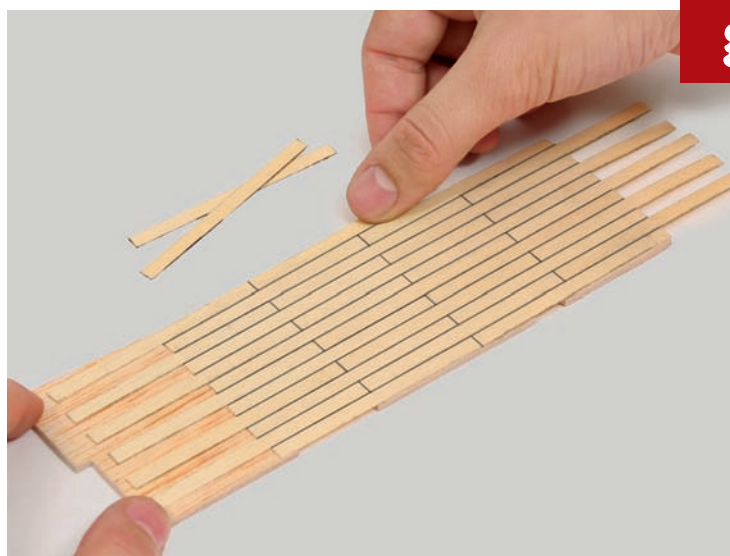
Cut the planks to a length of 70 mm. You will get two lengths from each strip, with some likely left over. Then take 10 pieces, hold them with their edges aligned using clamps, and blacken the edges using a pencil or a black marker.

# SAN FELIPE: Step by Step



f

Place some planks on two strips of tape with the sticky side up and spread glue on them. Take them off the tape, one at a time. To plank the bow deck, start by aligning the first row of planks to the deck as shown and then start a second row of planks, placing them halfway along the first plank, leaving one end overhanging.



g

Continue fitting the planks until you have completed the entire width of the deck, alternating two strips of planking, then three, as shown.

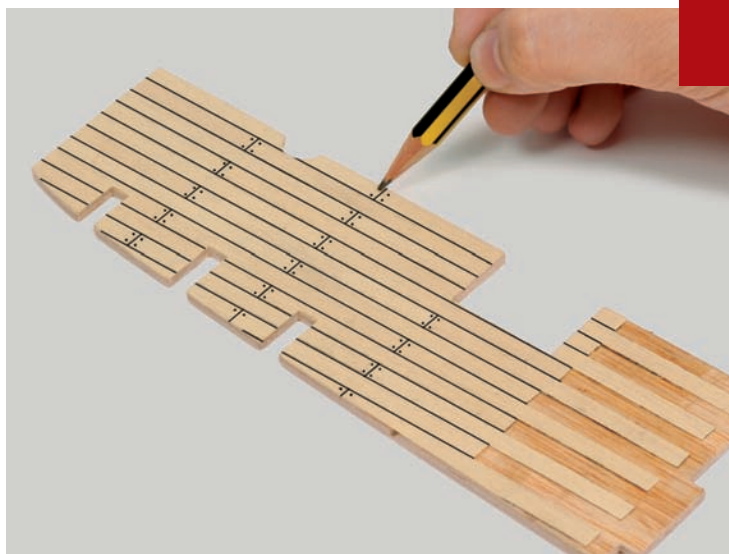


h

Once dry, turn over the deck and cut away any planks that extend past the edge, including over the large cutout and the three large notches in the side, as demonstrated in the photo.



# SAN FELIPE: Step by Step



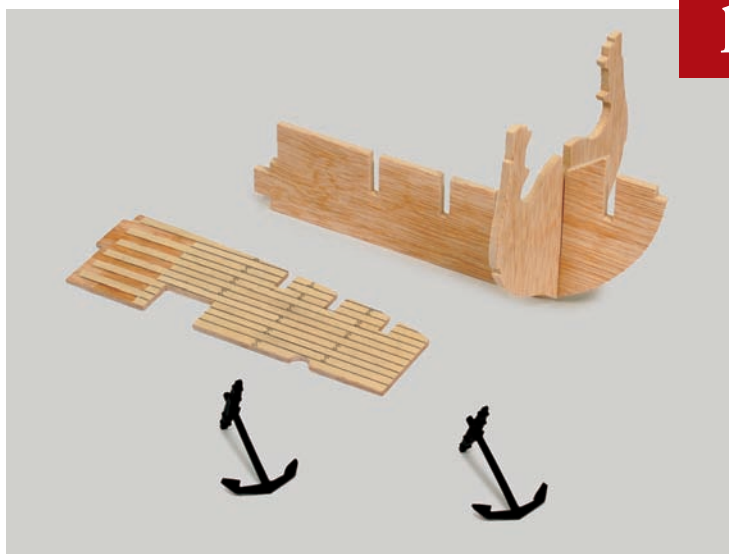
i

To simulate the nails, take a pencil and mark two points on either side of where the planks join, as shown.



j

Apply a drop of superglue to the top end of the anchors, then insert them into the hole of the stock so that they sit at right angles. Support them so that the parts aren't pushed out of alignment while you wait for the glue to dry.



k

The photo shows how the pieces should look at this stage of assembly. Keep any leftover material, as it will be used later.

# SAN FELIPE: Step by Step



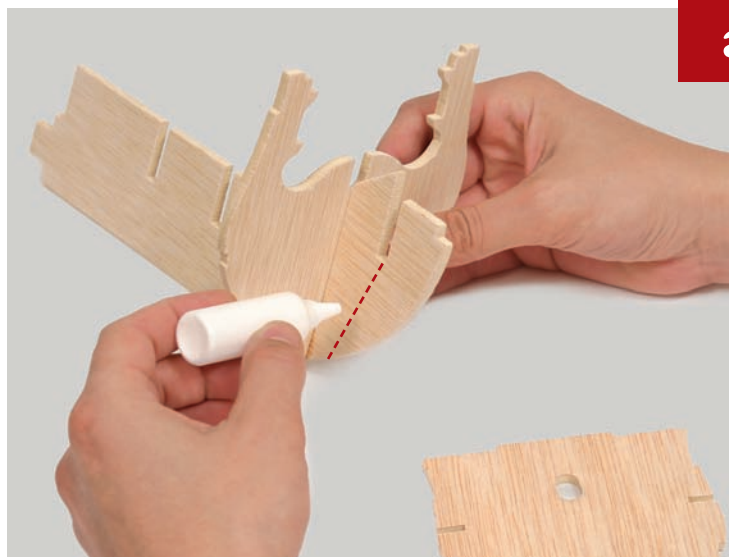
## Your parts

Frame 1  
Frame 3  
Bow deck  
Planks



## Tools and equipment

Sandpaper	Knife
Wood glue	Clamps
Set square	Tape
Pencil	



**a**

Smooth all the pieces of wood with sandpaper to remove any splinters. Do it gently to avoid damaging them. Test-fit Frames 1 and 3. When satisfied with the fit, apply glue to both sides of the keel below the slots. As before, it is a good idea to pencil numbers on them for later identification.



**b**

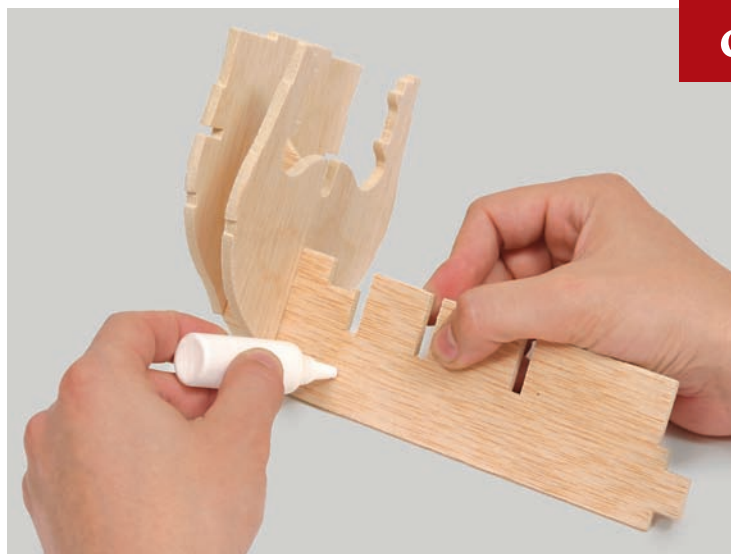
Place Frame 1 on the false keel, pushing it downward until it stops.

# SAN FELIPE: Step by Step



**c**

Using a triangle or similar straight edge, make sure the two pieces are at right angles. Hold them in place until the glue is dry.



**d**

Now, apply the glue to either side of the third slot on the false keel.



**e**

Fix Frame 3 in its position on the false keel. Make sure it dries at a right angle to the false keel.

# SAN FELIPE: Step by Step



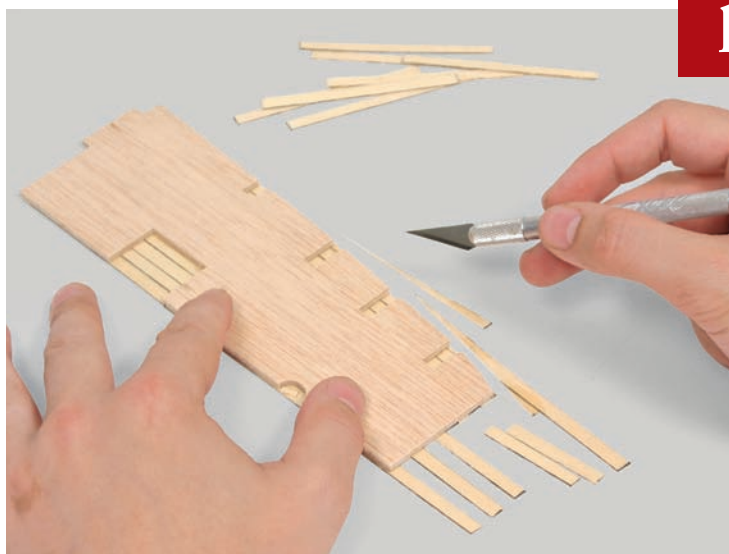
f

Before you begin to plank the other half of the deck, prepare the planks as you did on pages 2 and 3. Place the two halves of the deck together in order to continue the pattern of the planks.



g

Continue fitting the planks until you have completed the entire width of the deck, as shown in the photo.

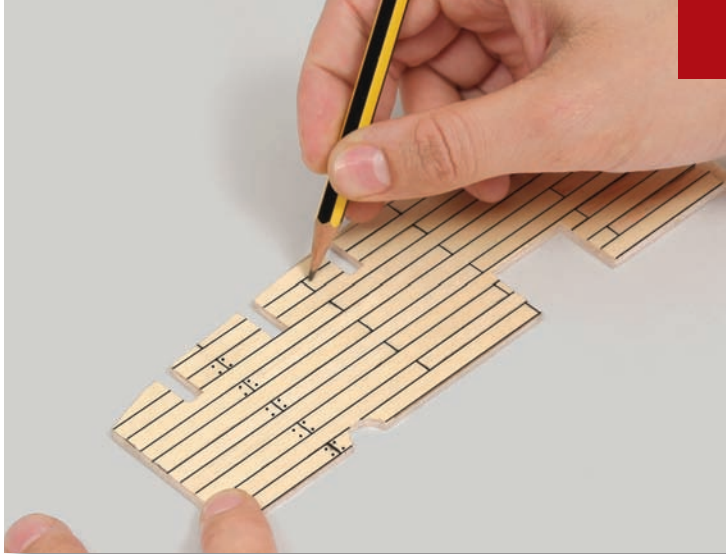


h

Once dry, turn over the deck and cut away any planks that extend past the edge and the three large notches in the side, as demonstrated in the photo.

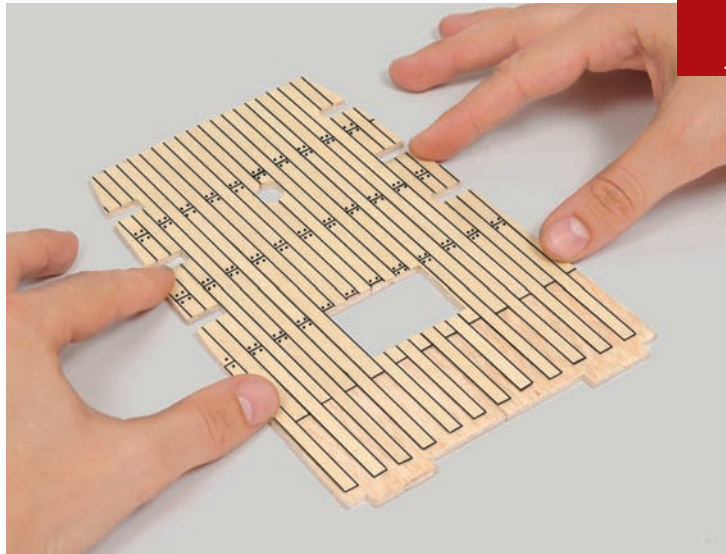


# SAN FELIPE: Step by Step



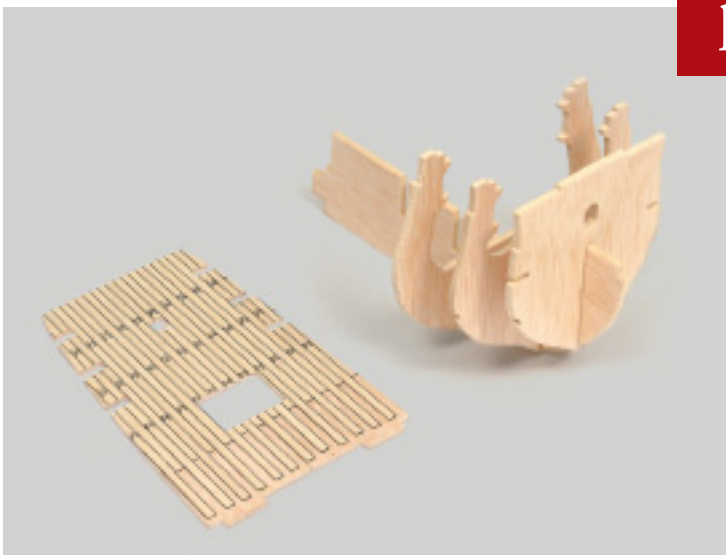
i

To simulate the nails, take a pencil and mark points on either side of where the planks join, as shown.



j

Temporarily place the two halves of the deck together. Check that the planks are aligned.



k

The photo shows how the pieces should look at this stage of assembly. Keep any leftover material, as it will be used later.



# SAN FELIPE: Step by Step



## Your parts

Frame 4  
False keel  
False keel reinforcement x 2  
Bowsprit deck  
Wooden strip 5 x 5 mm, 300 mm long



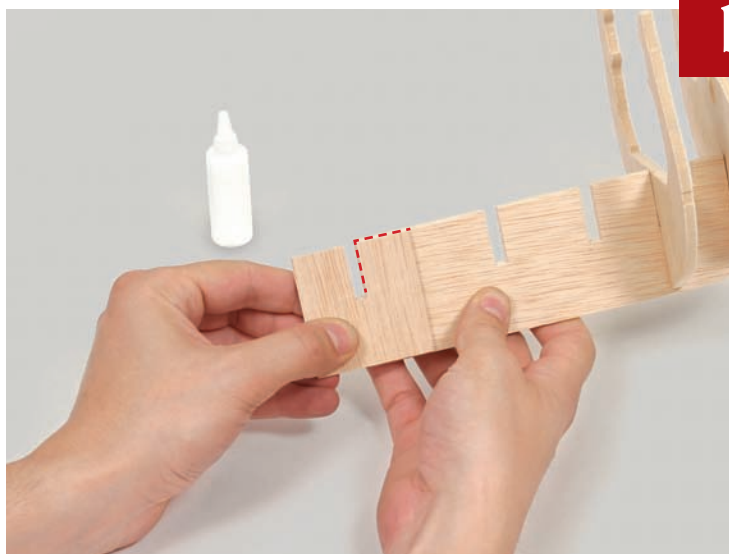
## Tools and equipment

Sandpaper  
Wood glue  
Clamps  
Set square  
Pencil  
Knife



**a**

Smooth all the pieces of wood with sandpaper to remove any splinters. Proceed gently to avoid damaging them. Then apply glue to the false keel reinforcement, in the area shown in the picture.



**b**

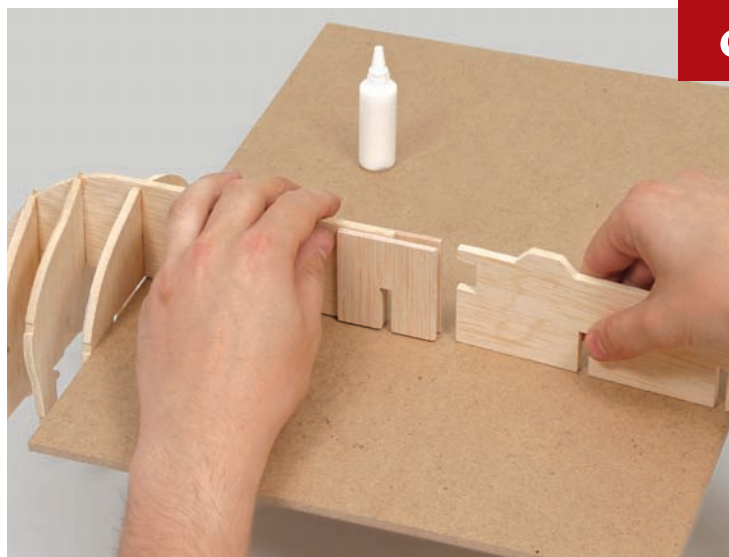
Glue the false keel reinforcement into place. It needs to be aligned with the upper edge as well as with the slotted end of the false keel.

# SAN FELIPE: Step by Step



c

Repeat Steps a and b from page 9, fixing the other false keel reinforcement to the other side of the false keel. Hold the reinforcements in place until the glue is completely dry.



d

Once dry, apply glue to the new piece of false keel, then insert it between the two reinforcements until it is in contact with the previous false keel. Do this on a flat surface, so that they remain aligned along the top edge.



e

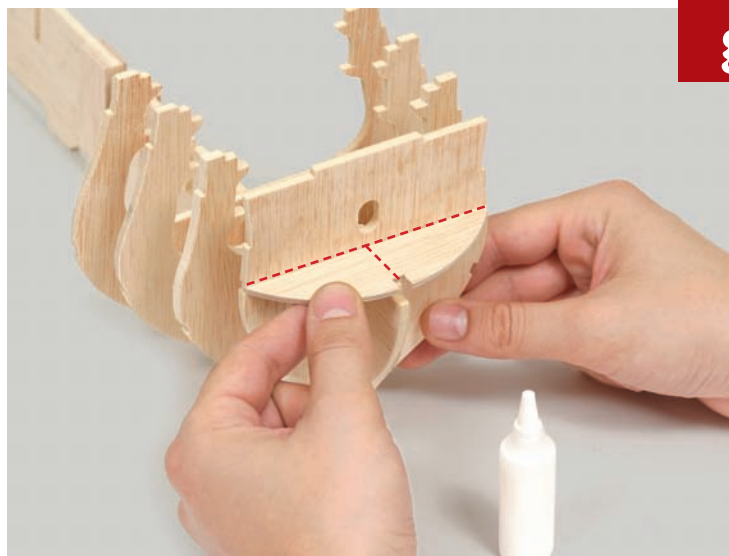
Hold the reinforcements firmly against the new false keel until the glue is completely dry.

# SAN FELIPE: Step by Step



f

Now test-fit and glue Frame 4 in its position on the false keel, as shown.



g

Next, apply glue to the hull assembly in the areas highlighted by the red dotted lines in the photo. Slot the bowsprit deck into place.



h

Take the 5 x 5-mm strip and position it across the gap in Frame 2, as shown. Mark the length of the gap on the beam and cut the beam at the mark. Repeat this process to make a lower beam that will fit as shown on the next page.



# SAN FELIPE: Step by Step



Now apply glue on the joints where the beams will be placed on Frame 2, as shown in the photo on the left.



Then glue the two beams in place, fitting the lower beam first and then the upper.



The photo shows how the pieces should look at this stage of assembly. Keep any leftover material, as it will be used later.

# SAN FELIPE: Step by Step



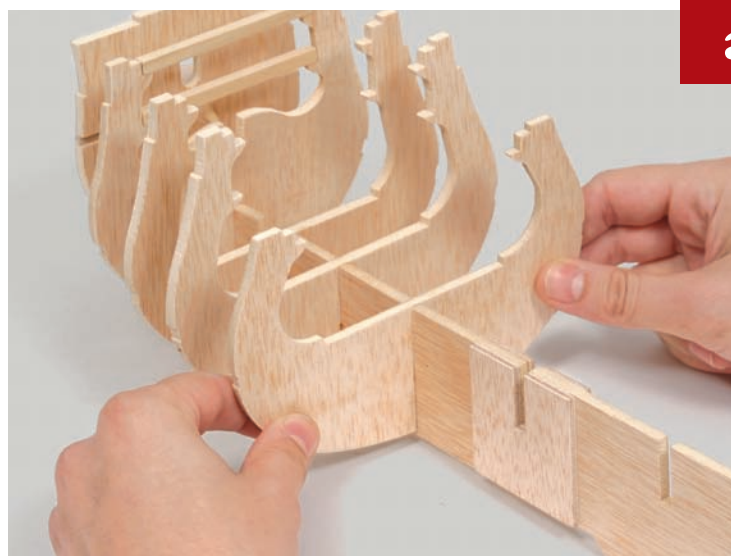
## Your parts

Frame 5  
Frame 6  
Lower deck  
Wooden strip 5 x 5 mm, 300 mm long



## Tools and equipment

Sandpaper  
Wood glue  
Set square  
Pencil  
Knife



**a**

Smooth all the pieces of wood with sandpaper to remove any splinters. Do this gently to avoid damaging them. Test-fit Frame 5 in its corresponding slot in the false keel. Apply glue once you are satisfied with the fit, checking that it dries at a right angle.



**b**

Test-fit Frame 6 in its corresponding slot, then glue into place, ensuring that it dries at a right angle to the false keel.

# SAN FELIPE: Step by Step



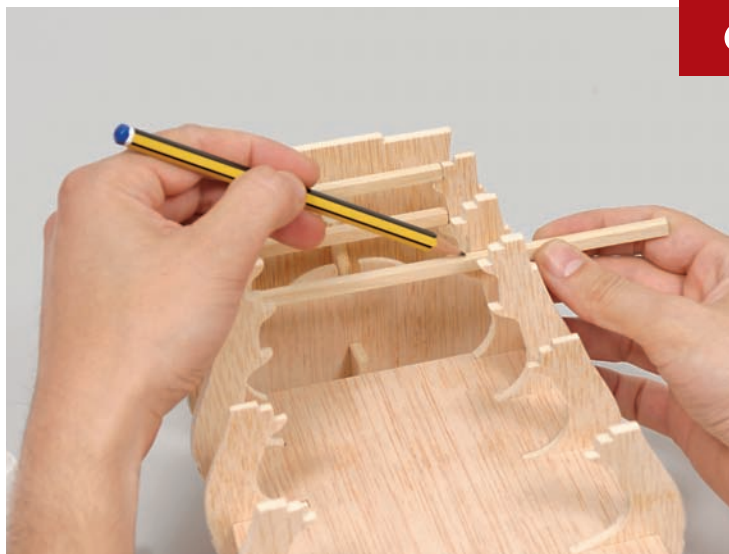
c

Test-fit the lower deck on the frames and the false keel by carefully pushing it into position as shown in the next step. If you find it gets stuck on any of the frames while placing it into position, sand the slots slightly, then try again. Apply glue to the frames and false keel in the area shown by the dotted red lines.



d

Fit the lower deck back in place, making sure that it dries flat.

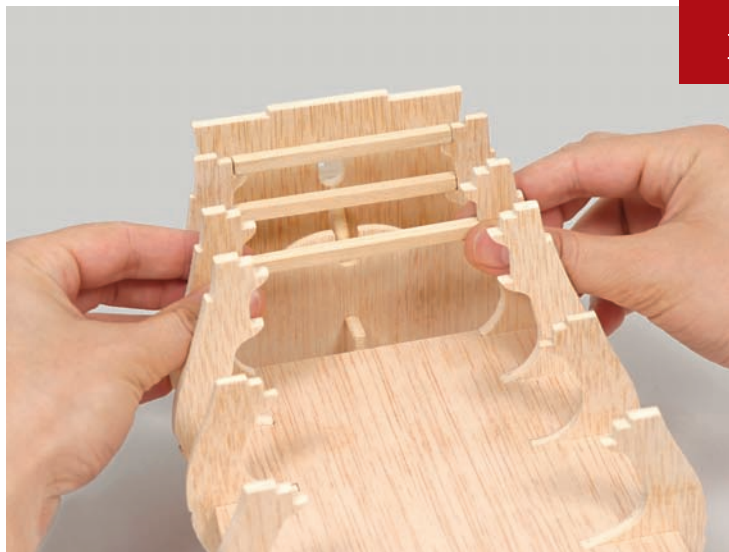


e

Using the 5-mm wooden strip, measure and cut the lower deck beam of Frame 3.



# SAN FELIPE: Step by Step



f

Apply glue to Frame 3 and fit the beam into place.



g

Following the same procedure, cut the lower deck beams for Frames 4, 5 and 6. Once cut, apply glue to each of the frames and fit into place.



h

Cut a 70-mm-long strip of wood and glue it in the center of the beam of Frame 6. Make sure it is perfectly aligned and does not protrude either above or below the existing beam.

# SAN FELIPE: Step by Step



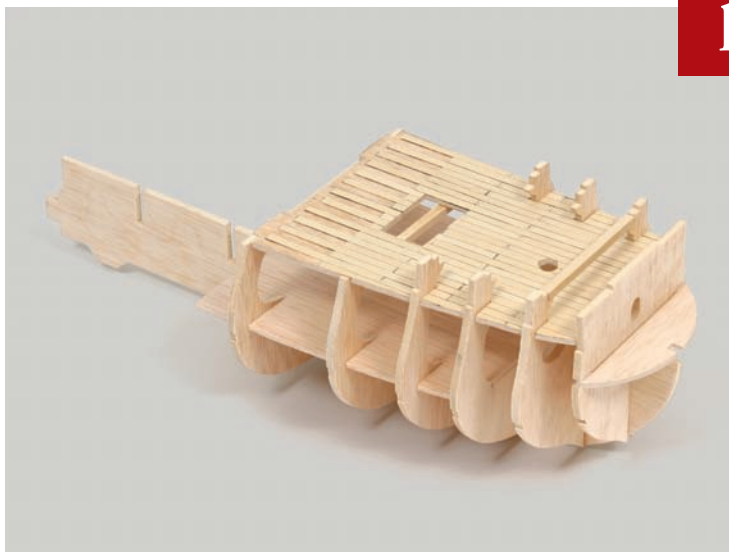
i

Test-fit the port bow deck in place. Then apply glue to the lower beams of Frames 2-6 and glue the deck in place.



j

Before the glue sets, repeat the last step for the starboard side bow deck. Once in place, hold both halves down until the glue has dried.



k

The photo shows how the pieces should look at this stage of assembly. Keep any leftover material, as it will be used later.

# SAN FELIPE: Step by Step



## Your parts

Forecastle deck  
False keel reinforcements x 8  
Planks  
Wooden strip 5 x 5 mm, 300 mm long



## Tools and equipment

Knife  
Pencil  
Sandpaper  
Wood glue  
Clamps



**a**

Following the same procedure as on page 14, cut and test-fit the beams for Frames 3 and 4.

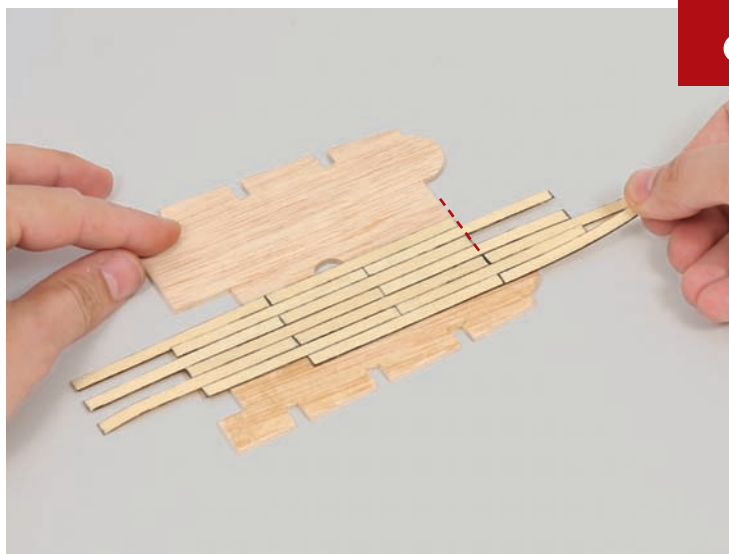


**b**

Apply the glue to Frames 3 and 4 and fit the corresponding beam.

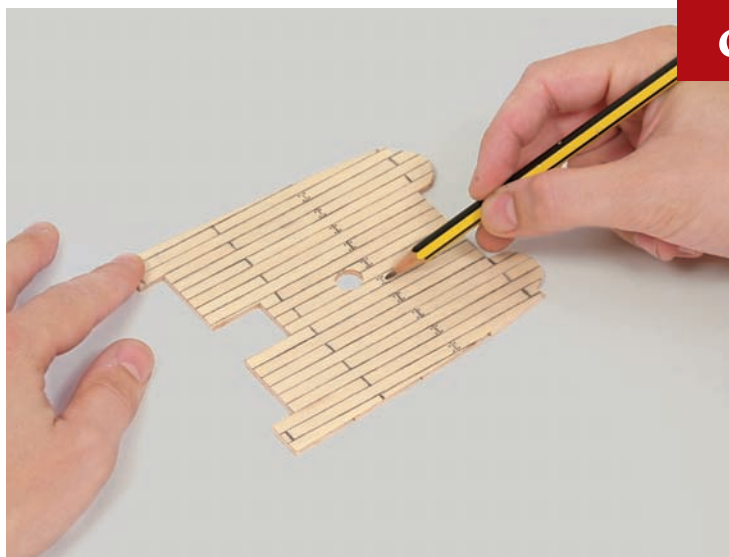


# SAN FELIPE: Step by Step



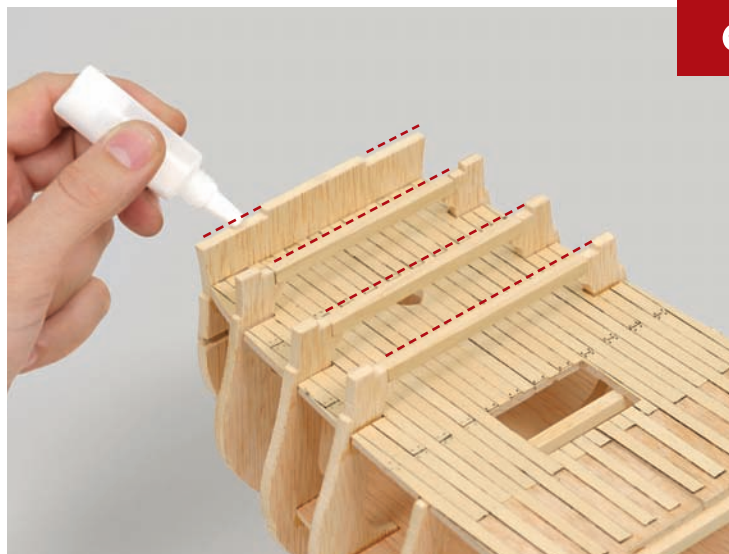
**c**

Go over the surface of the deck of the forecastle with sandpaper to remove any splinters. Then mark a line along the center to divide the deck into two equal parts. Prepare some planks in the same way as before. To glue, position the first plank up against the center line, with its end in line with the red dotted line indicated. Continue planking the deck, overlapping the planks as before.



**d**

Once the deck is covered, turn it over and cut away the overlapping planks, including those that cover the central hole, so that it looks like the one shown in the photo. Then use a pencil to mark points on either side of the joins to simulate the nails.



**e**

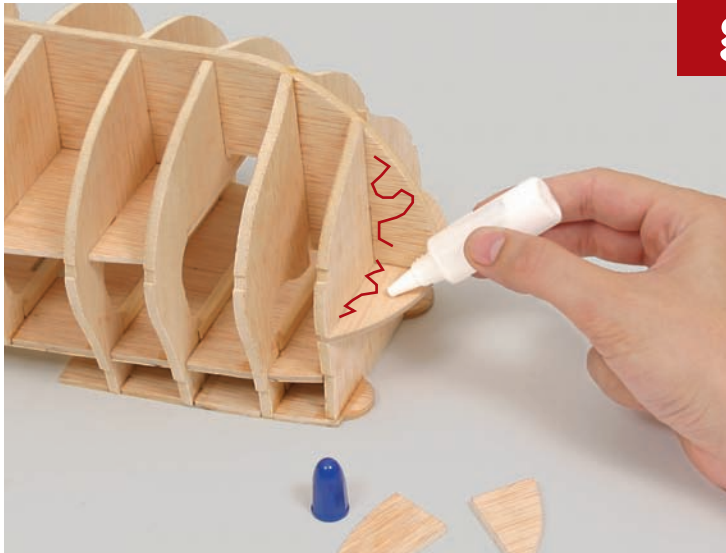
Apply glue to the areas indicated in red in the photo on the left.

# SAN FELIPE: Step by Step



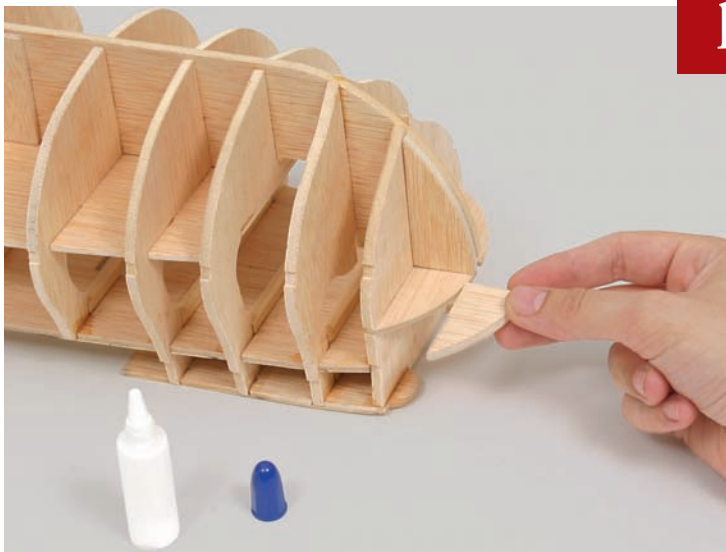
f

Place the forecastle deck so that the upper ledges of the frames slot into the notches in the deck. Apply some pressure while the glue dries to ensure that it sticks to the frames and the beams.



g

Apply glue to the highlighted areas of the bow in preparation for fitting the false keel reinforcements.



h

Place the first pair of reinforcements in the positions shown in the photo on the left. Repeat this with the second set on the other side of the bow.

# SAN FELIPE: Step by Step



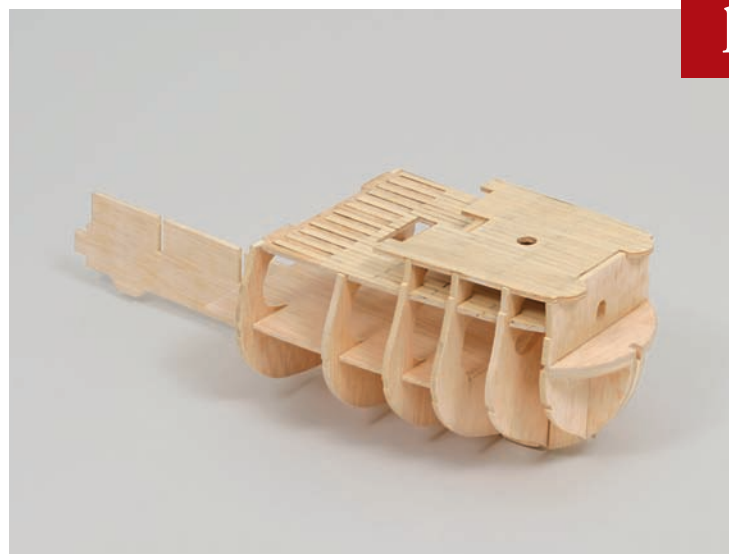
i

Now glue the remaining reinforcements flush with the false keel, on both sides, between the first and second frames and the second and third frames.



j

Use clamps to hold the false keel reinforcements in place while the glue dries.



k

The photo shows how the pieces should look at this stage of assembly. Keep any leftover material, as it will be used later.



# SAN FELIPE: Step by Step



## Your parts

Frame 7  
Frame 8  
False keel reinforcements x 2



## Tools and equipment

Sandpaper  
Wood glue  
Set square  
Clamps



**a**

Smooth the frames and reinforcements with sandpaper to remove any burrs.



**b**

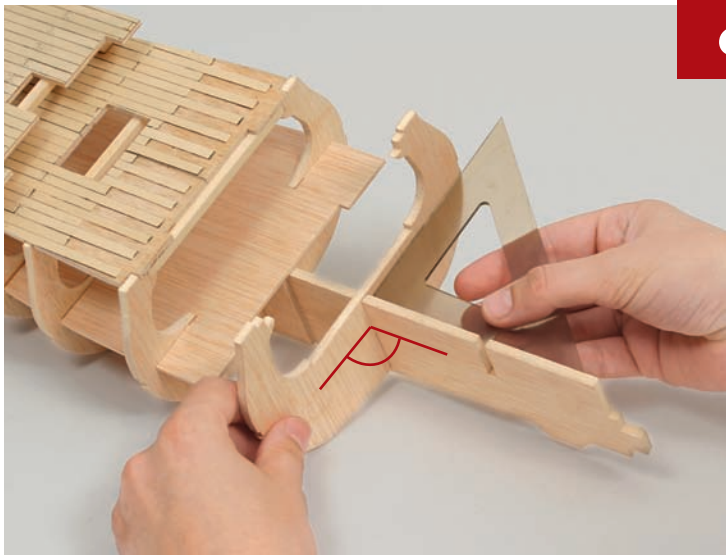
Apply glue down beyond slot 7 on both sides of the false keel.

# SAN FELIPE: Step by Step



**c**

Place Frame 7 into its corresponding slot by pushing it down until it is flush with the false keel.



**d**

Ensure that the frame dries at an angle of 90 degrees to the false keel.



**e**

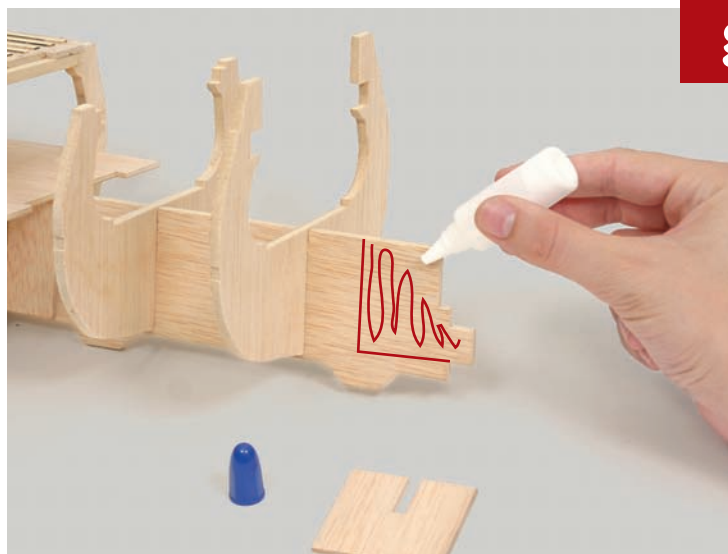
Apply the glue down beyond the last remaining slot, on both sides of the false keel.

# SAN FELIPE: Step by Step



f

Fit Frame 8 into the slot. Push it down until it is in contact with the false keel and check that it forms a right angle while it is drying.



g

Apply glue to the highlighted area of the false keel.



h

Glue on a false keel reinforcement as shown. This piece needs to be aligned with the upper edge of the false keel and must not obstruct the slot where Frame 9 will be inserted.

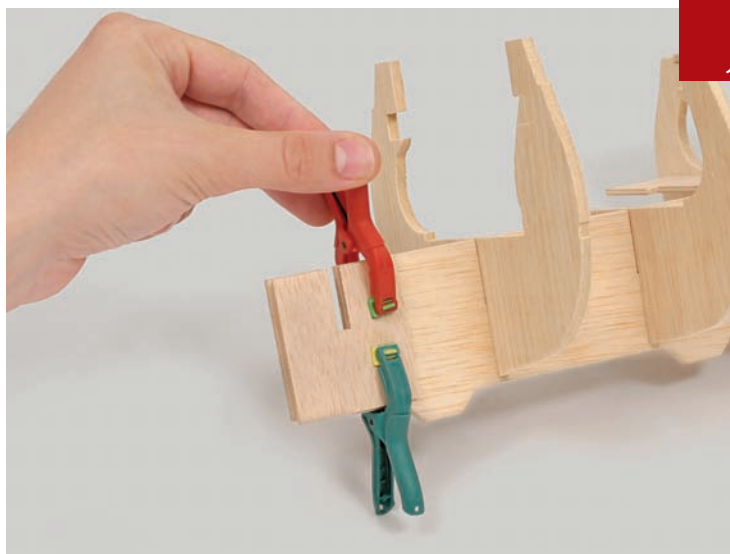


# SAN FELIPE: Step by Step



i

Following the same process as in Steps g and h, glue the other false keel reinforcement into place.



j

Clamp the false keel reinforcements in place while the glue dries.



k

The photo shows how the pieces should look at this stage of assembly.

# SAN FELIPE: Step by Step



## Your parts

False keel  
Frame 9



## Tools and equipment

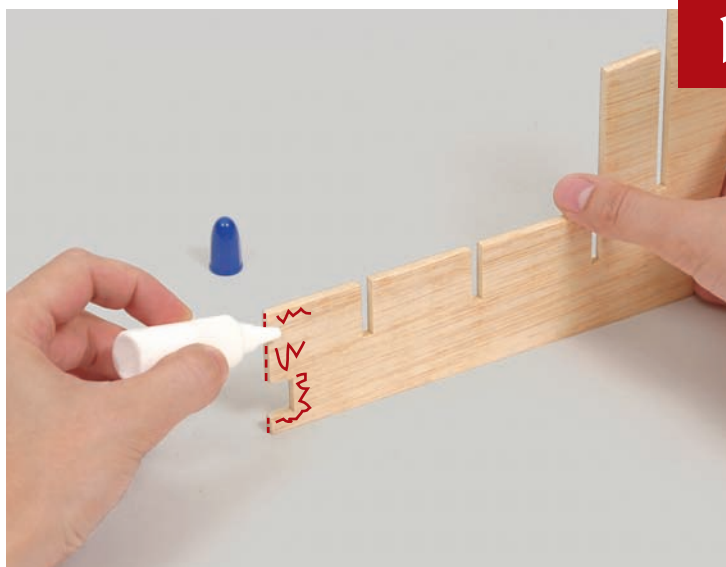
Sandpaper  
Wood glue  
Clamps  
Set square

Paint brush  
Wood stain  
Knife  
File



**a**

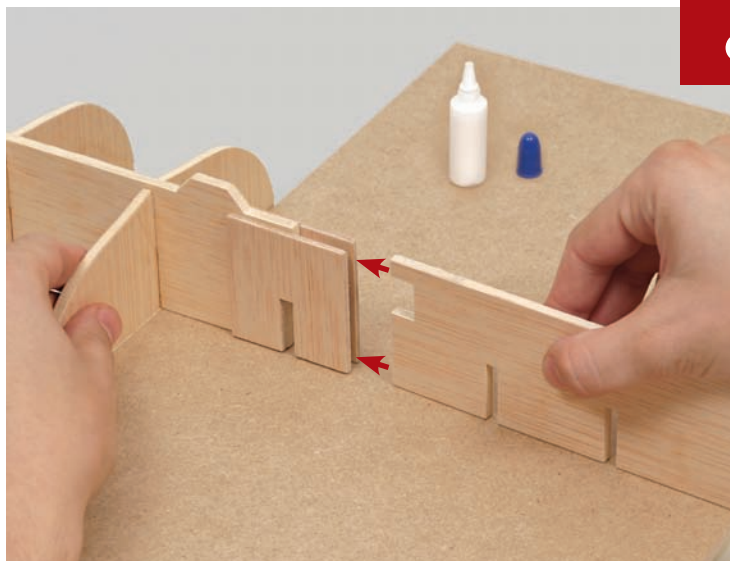
Smooth the frames and false keel with sandpaper to remove any splintering.



**b**

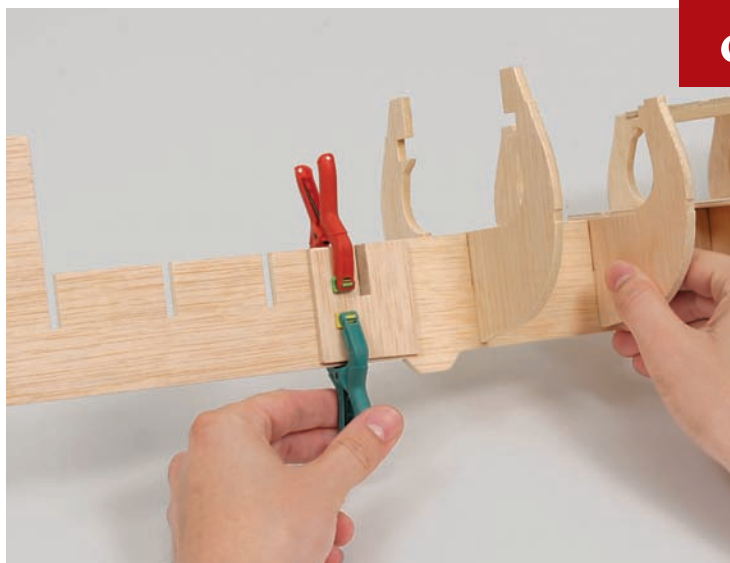
Apply glue to the false keel as shown in the photo.

# SAN FELIPE: Step by Step



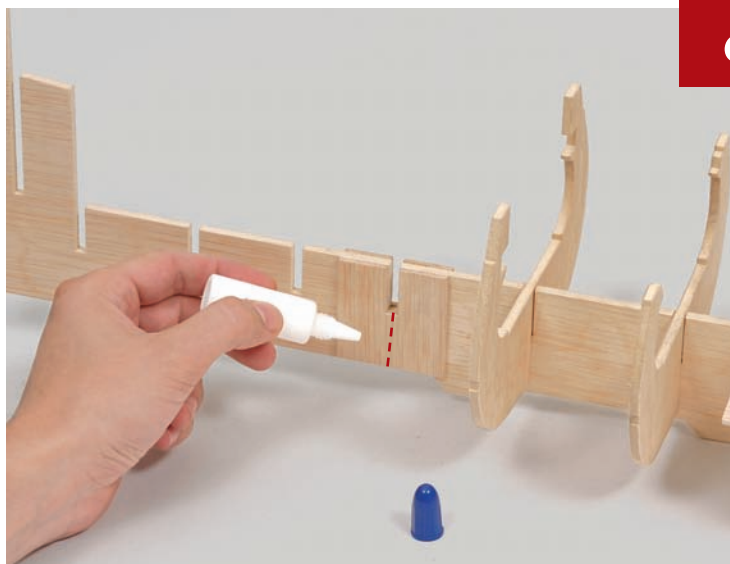
c

Slide the new part of the false keel in between the false keel reinforcements from page 24.



d

Hold the false keel in place while the glue dries.



e

Apply glue to the outside of the false keel reinforcements, highlighted by the red line.



# SAN FELIPE: Step by Step



f

Place Frame 9 in its position on the false keel.



g

Make sure that the frame dries at a right angle to the false keel.



h

The top of Frame 8 protrudes through the main deck, so it is best to stain it at this point. Use a brush to stain the area above the black line as shown, working with the grain of the wood.

# SAN FELIPE: Step by Step



i

Remove the part of Frame 5's beam that can be seen through the opening in the deck.



j

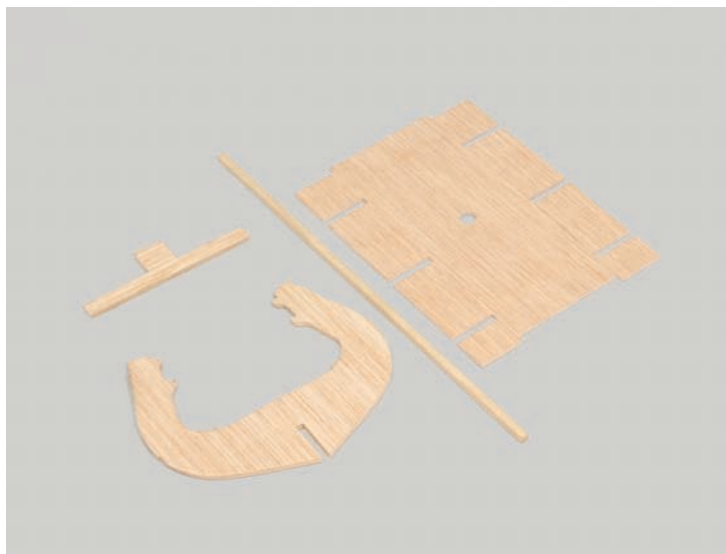
Smooth the ends of the section beam you just removed.



k

The photo shows how the pieces should look at this stage of the assembly.

# SAN FELIPE: Step by Step



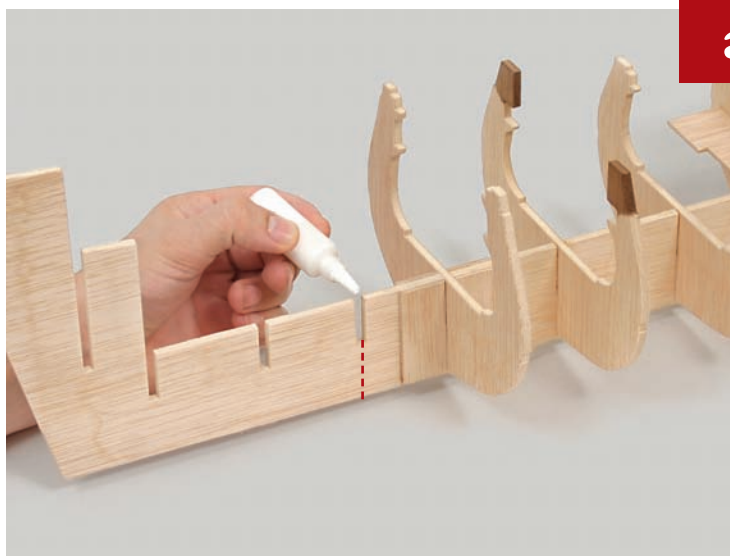
## Your parts

Lower deck  
Beam  
Frame 10  
Wooden strip 5 x 5 mm, 300 mm long



## Tools and equipment

Sandpaper	Knife
Wood glue	Paint brush
Set square	Wood stain
Pencil	



**a**

Use sandpaper to remove any splinters from all the pieces of wood. Then apply glue to the highlighted area of the false keel.

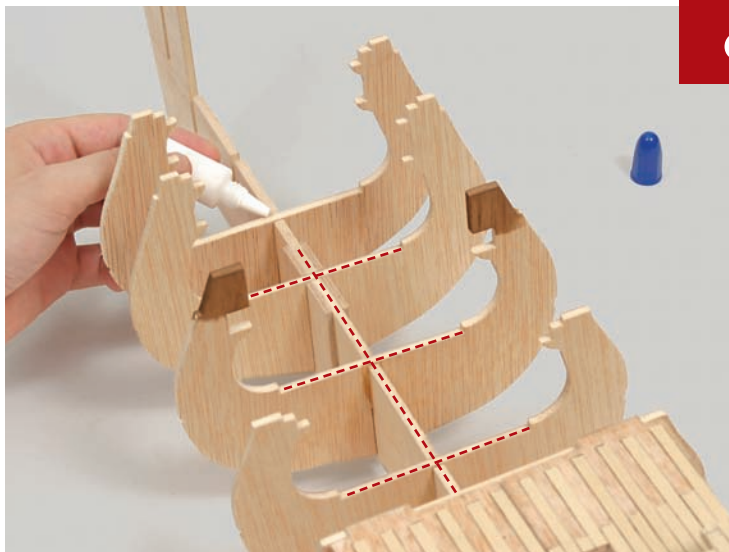


**b**

Place Frame 10 in place in the false keel, holding it as it dries, and ensuring that it is at a right angle to the keel.



# SAN FELIPE: Step by Step



c

Apply glue to the highlighted areas of the frames and false keel.



d

Carefully place the lower deck onto the frames and false keel. Hold in place until the glue dries.



e

Apply glue to the ledges of Frame 8, as shown in the photo.

# SAN FELIPE: Step by Step



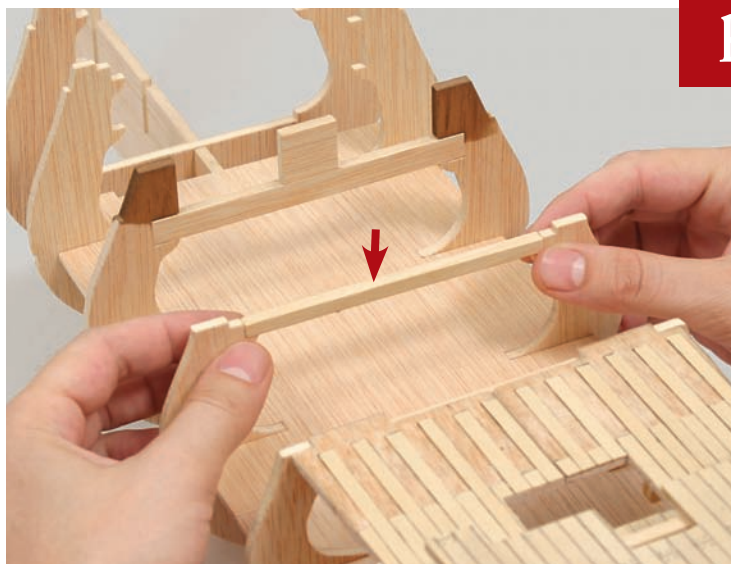
f

Place the beam into place on the ledges of Frame 8, with the projection facing upward.



g

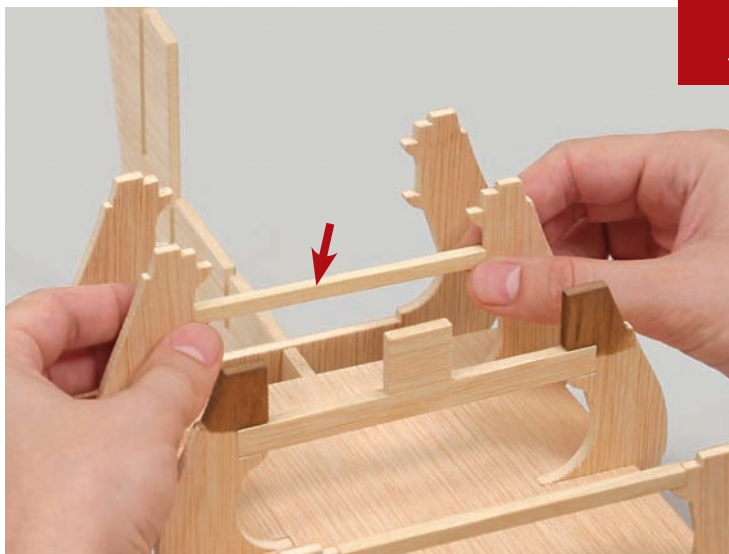
Cut a beam for Frame 7, using the same technique as with previous beams.



h

Once you have cut the beam, glue it into place.

# SAN FELIPE: Step by Step



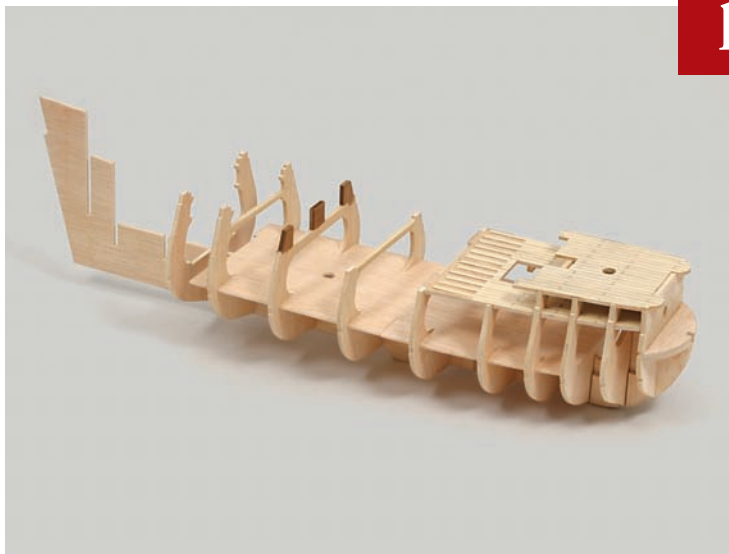
i

Now cut and fit a beam for the lower ledge of Frame 9.



j

Stain the projection in the middle of Frame 8's beam.



k

The photo shows how the pieces should look at this stage of assembly. Keep any leftover material, as it will be used later.



# SAN FELIPE: Step by Step



## Your parts

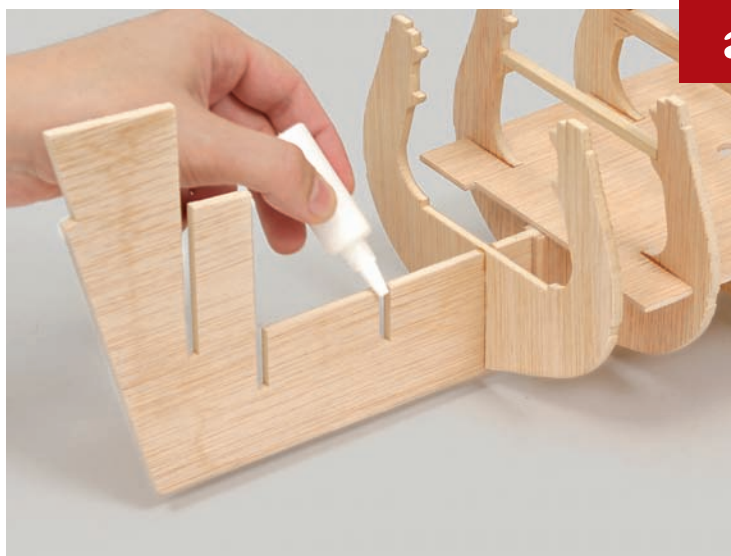
Deck  
Frame 11  
Planks



## Tools and equipment

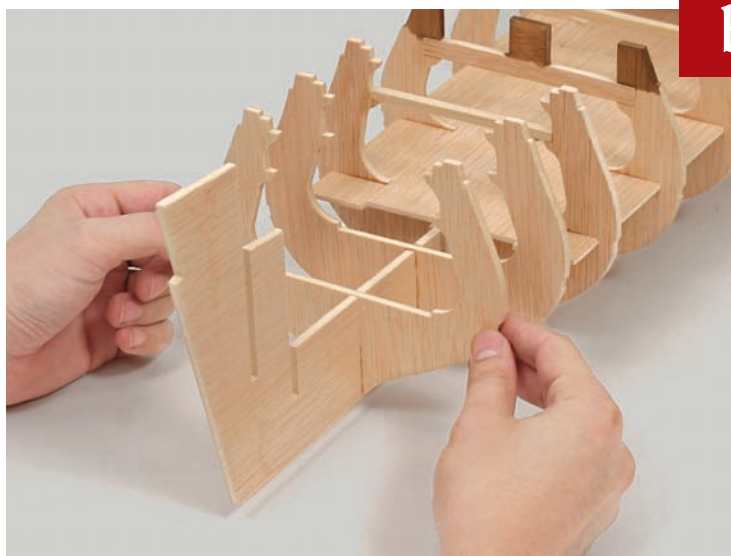
Sandpaper  
Wood glue  
Set square  
Pencil

Ruler  
Knife  
File



**a**

Smooth the deck and frame with sandpaper to remove any splinters. Then apply glue to the 11th slot of the false keel.



**b**

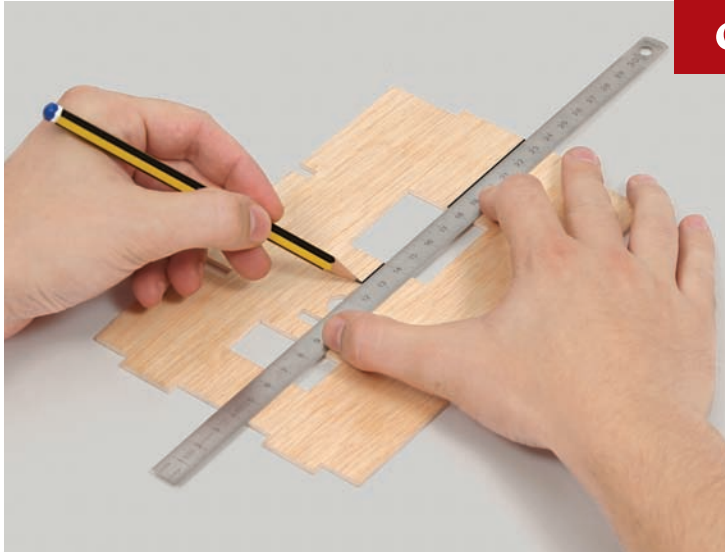
Slide Frame 11 into its slot in the false keel.

# SAN FELIPE: Step by Step



c

Make sure that Frame 11 dries at a right angle to the false keel.



d

Mark a line down the center of the deck.



e

Position the deck on the frames to test-fit, and adjust if necessary.

# SAN FELIPE: Step by Step



f

Apply glue to the areas indicated by the red dotted lines in the photo, and glue into place.



g

Cut the planks to a length of 70 mm and mark the edges as with the previous planks. Start to fix the planks to the deck by placing the first one along the line drawn in Step d, and the next in the gap between the planks of the previous part of the deck.

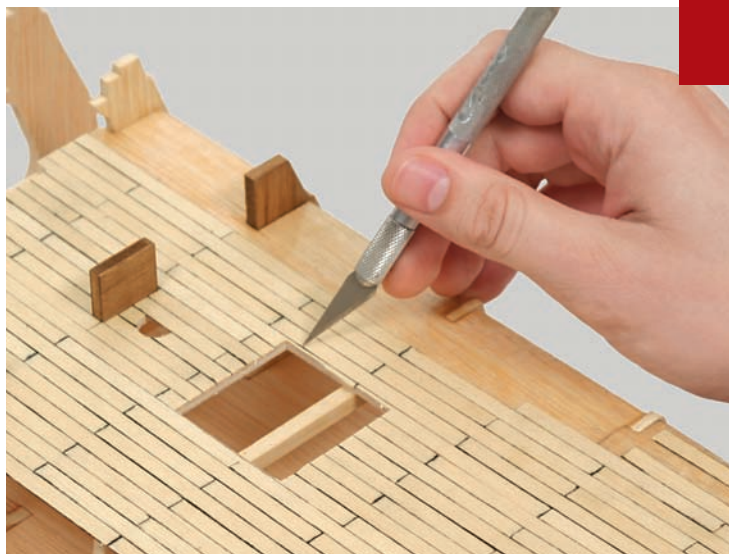


h

Continue to plank until you reach the edge of the deck. Using leftover planks, fill in the shorter gaps until the planks are flush with the edge of the deck.



# SAN FELIPE: Step by Step



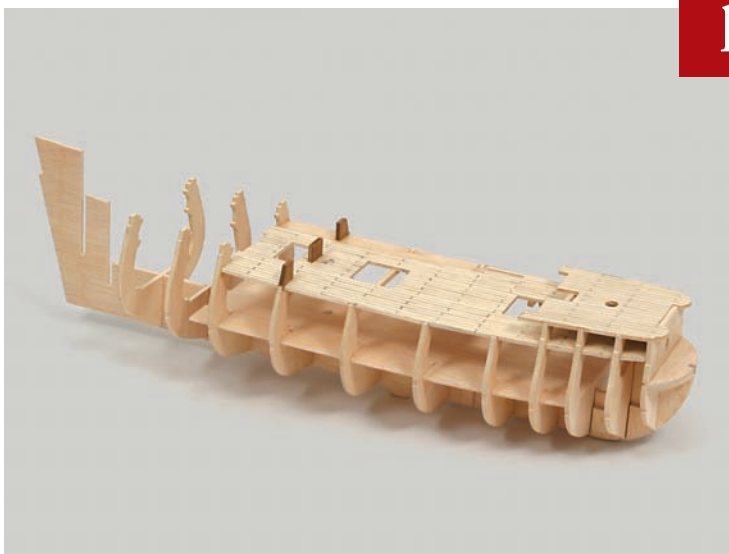
i

Stop planking when your deck reaches the stage shown in the photo. Cut away any planks that cover the holes in the deck.



j

Once the holes are cut out, use a file to smooth the edges.



k

The photo shows how the assembly should look at this stage. Keep any leftover material, as it will be used later.

# SAN FELIPE: Step by Step



## Your parts

Frame 12  
Stern deck  
3 wooden strips 5 x 5 mm x 300 mm long



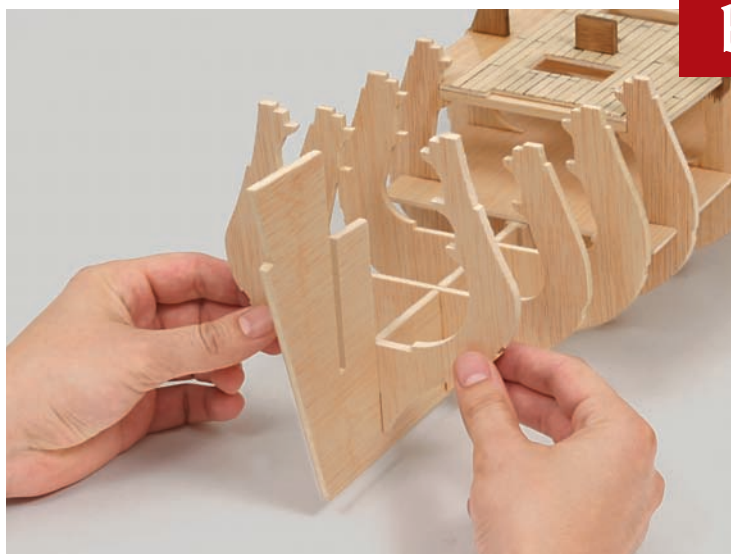
## Tools and equipment

Sandpaper  
Wood glue  
Pencil  
Knife



**a**

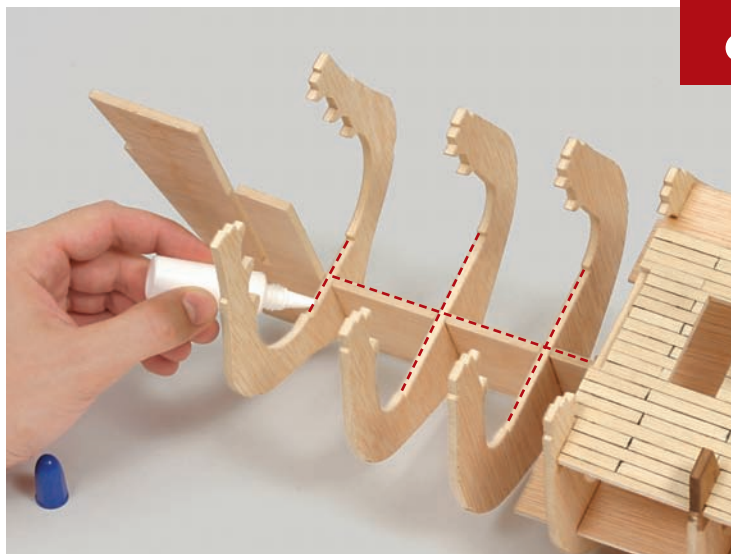
Smooth the deck and frame with sandpaper to remove any splinters. Then, apply glue to the 12th slot in the false keel.



**b**

Slide Frame 12 into its slot on the false keel.

# SAN FELIPE: Step by Step



c

Carefully test-fit the deck into position. If it is tight-fitting on any of the frames, sand slightly then re-fit. Apply glue to the area indicated by the dotted red lines in the photo.



d

Fit the deck back into position.



e

Measure and cut the lower beams for Frames 10 and 11.

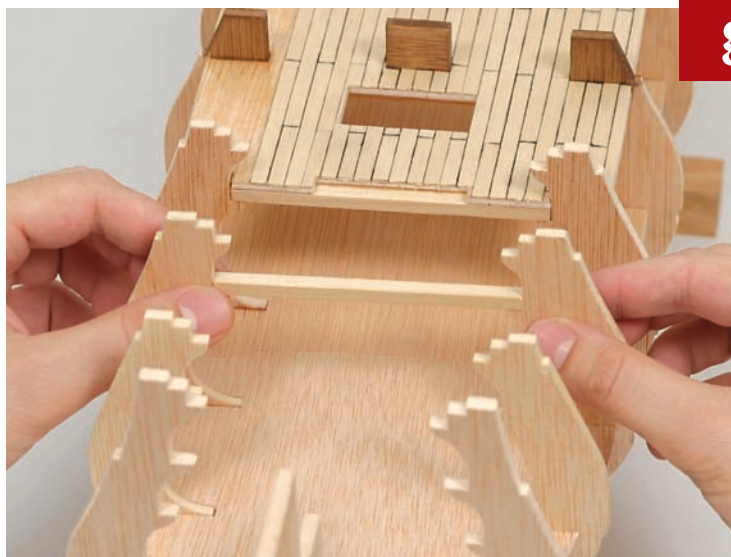


# SAN FELIPE: Step by Step



f

Apply glue to the lower ledges of Frame 10, as shown in the photo.



g

Glue the lower beam of Frame 10 into place on the lower ledges.



h

Glue the lower beam of Frame 11 into place on the ledges.

# SAN FELIPE: Step by Step



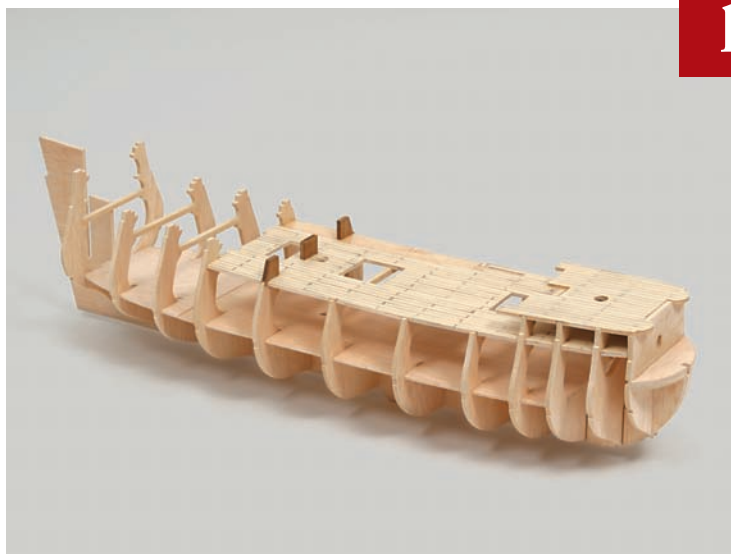
i

Measure and cut a beam for the lowest ledge of Frame 12.



j

Take the beam you cut in the previous step and glue into place.



k

The photo shows how the assembly should look at this stage. Keep any leftover material, as it will be used later.

# SAN FELIPE: Step by Step



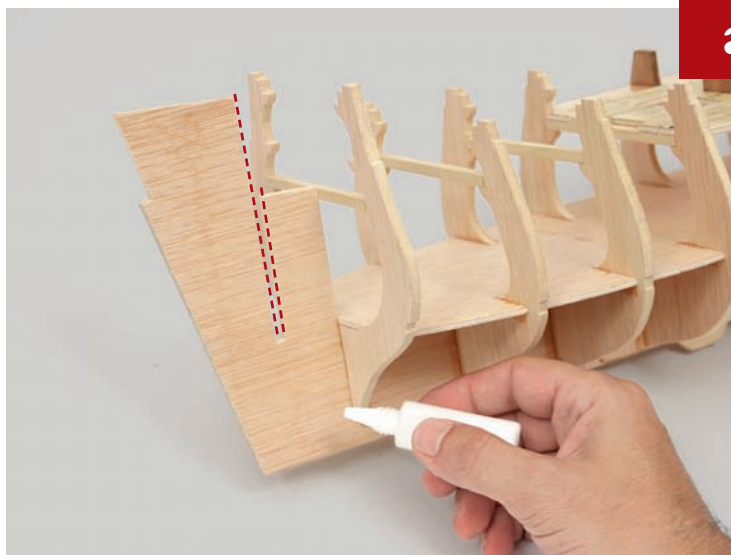
## Your parts

Frame 13  
Stern deck  
Square bases



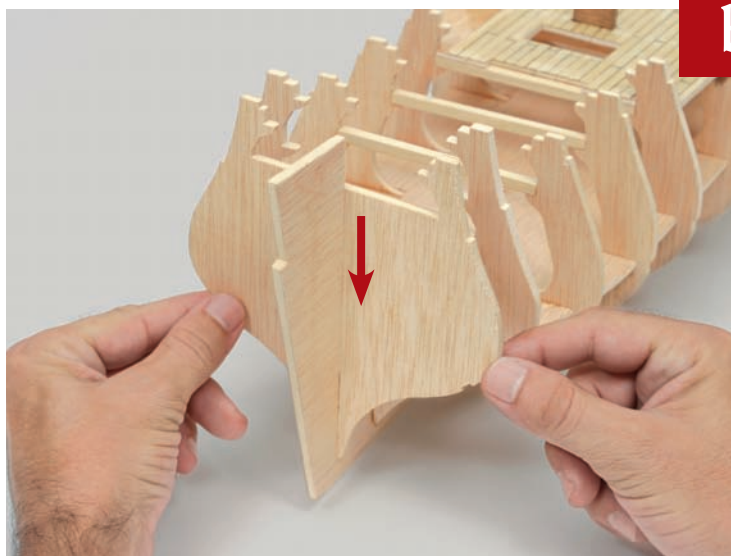
## Tools and equipment

Sandpaper  
Wood glue



**a**

Use sandpaper to smooth all the new parts. Apply glue to the 13th slot in the false keel, as highlighted by the dotted red lines.

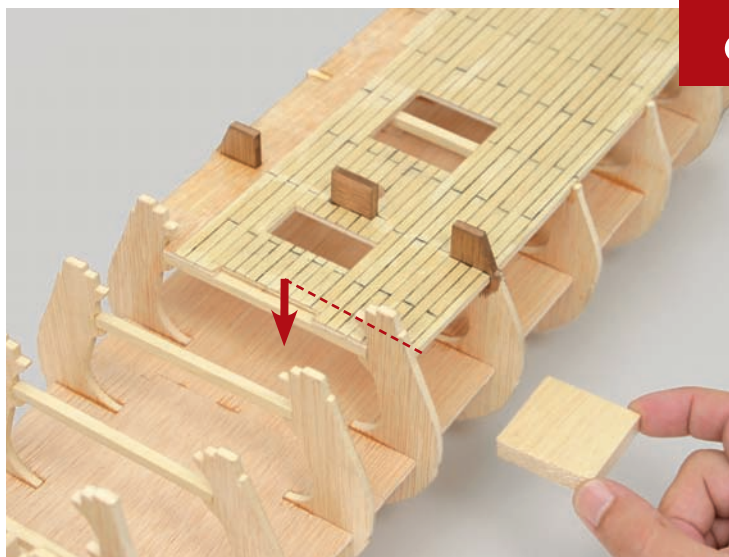


**b**

Slide Frame 13 into its slot in the false keel.

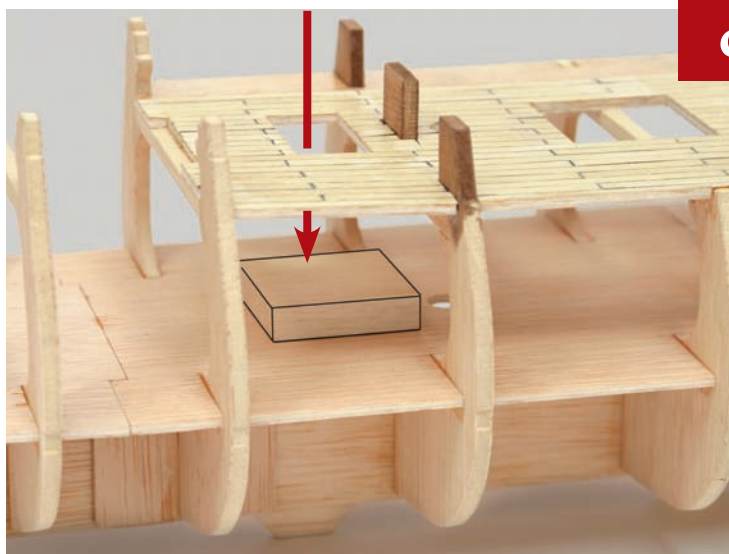


# SAN FELIPE: Step by Step



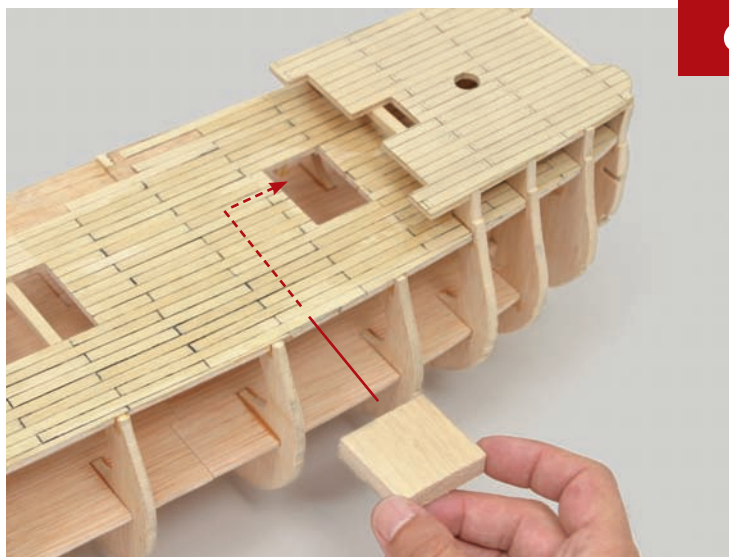
c

Apply glue to one surface of one of the square bases. Lightly place it glue side down on the lower deck, aligning it with Frame 8 and the sides of the hatch.



d

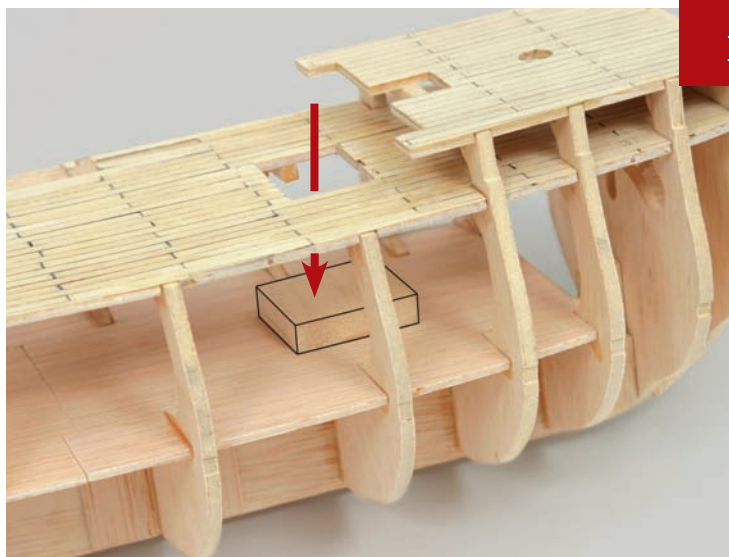
To get the correct position of the base, look at it from above, through the hatch. It should be centered so that the sides of the base line up with the sides of the hatch. When it is correctly positioned, press it down firmly to glue it in place.



e

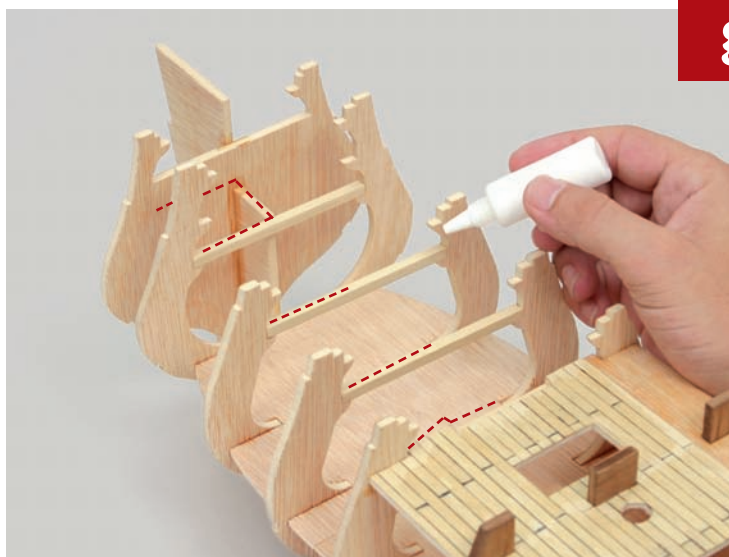
Now, repeat Step c for the other base, this time placing it under the hatch closest to the bow.

# SAN FELIPE: Step by Step



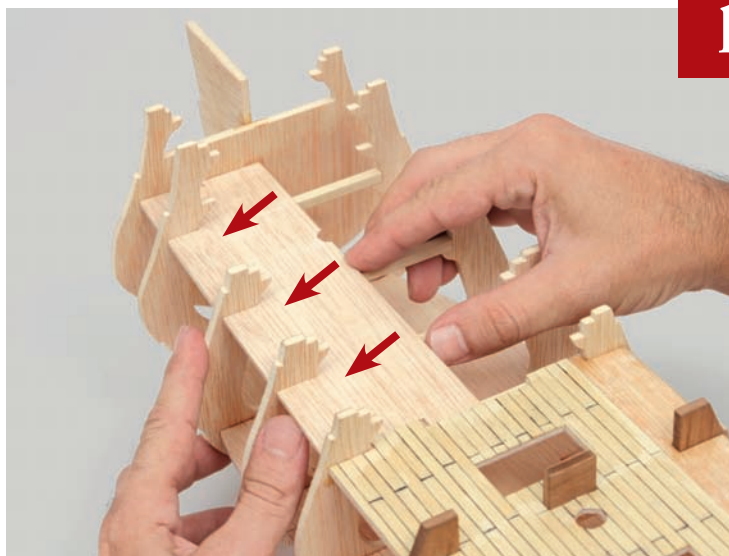
f

Place the second base in the same way as the previous one. Position it by lining the sides up with the sides of the hatch.



g

Test-fit each of the halves of the deck in place. Then apply glue to the beams, as shown.



h

Place one half of the deck on the frames until it rests on the beams.

# SAN FELIPE: Step by Step



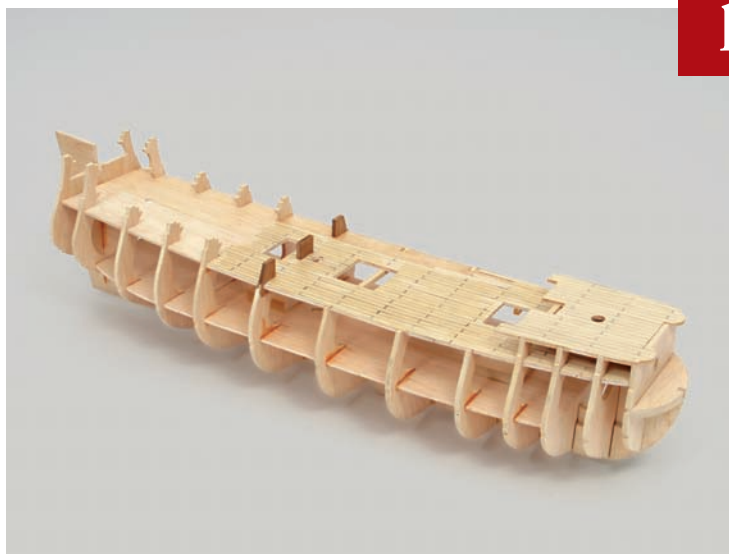
i

Then apply glue to the exposed beams and slot the other half of the deck into the frames.



j

Finally, push the second half of the deck down so that it is resting on the beams. Hold the two halves in place while the glue dries.



k

The photo shows how the assembly should look at this stage. Keep any leftover material, as it will be used later.



# SAN FELIPE: Step by Step



## Your parts

Frame 14  
Stern deck  
Planks



## Tools and equipment

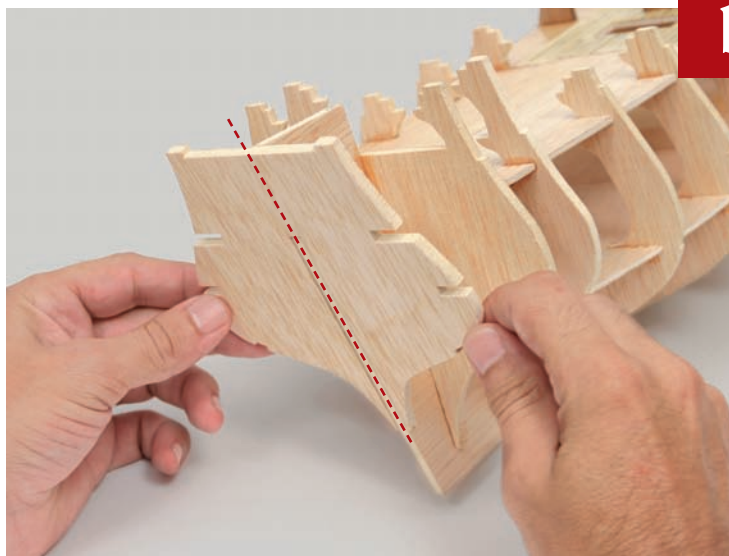
Sandpaper  
Wood glue  
Knife  
File

Pencil



**a**

Smooth all the pieces of wood with sandpaper to remove any splinters. Then test-fit Frame 14 to see where to apply glue to the false keel, in the area of the dotted red lines shown in the photo on the left.



**b**

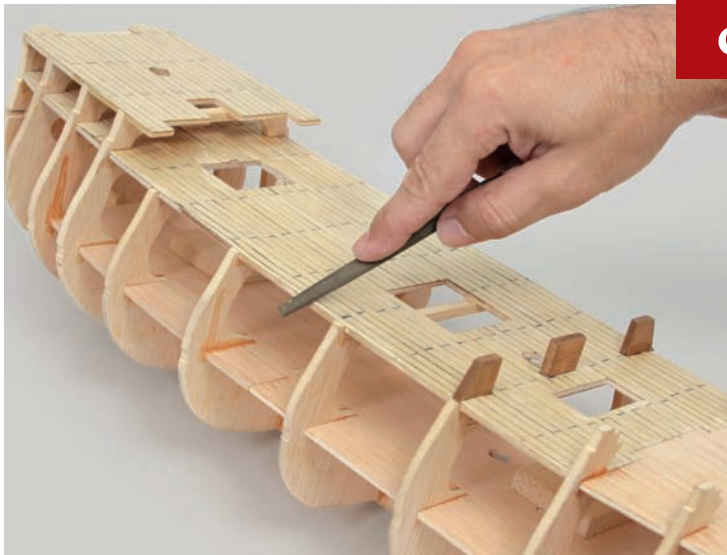
Fit Frame 14 in place, making sure it follows the line of the end of the false keel.

# SAN FELIPE: Step by Step



**c**

Cut some planks to fit the gap on the main deck left unplanked in Step i on page 36.



**d**

Once the new planks have dried in place, cut off any that overlap the edge of the deck and then smooth with a file.



**e**

To simulate the nails, take a pencil and add two dots on each side of the joints between the planks. Repeat this all over the surface of the deck.

# SAN FELIPE: Step by Step



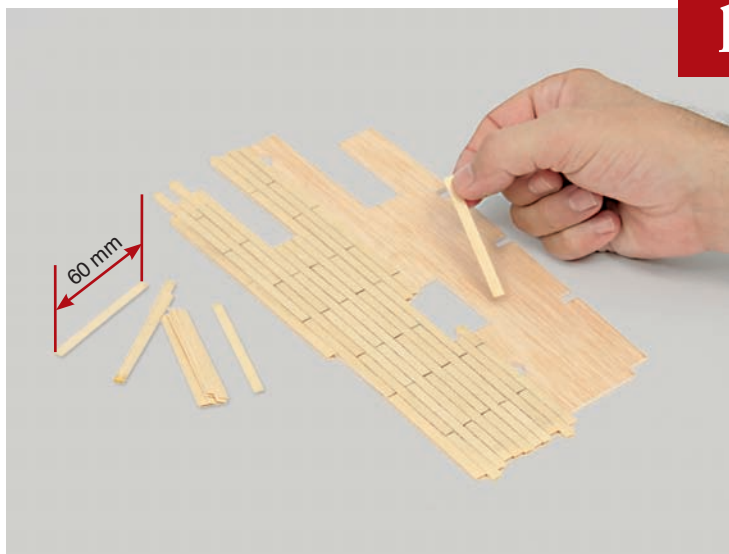
f

Take one of the 5 x 5-mm strips previously supplied and mark the length needed to fit across the ledges on Frame 9.



g

After cutting the beam, glue it in place. Repeat this operation for beams 10, 11 and 12.



h

Cut planks 60 mm long and use them to plank the stern deck, overlapping the joints in the same way as before.



# SAN FELIPE: Step by Step



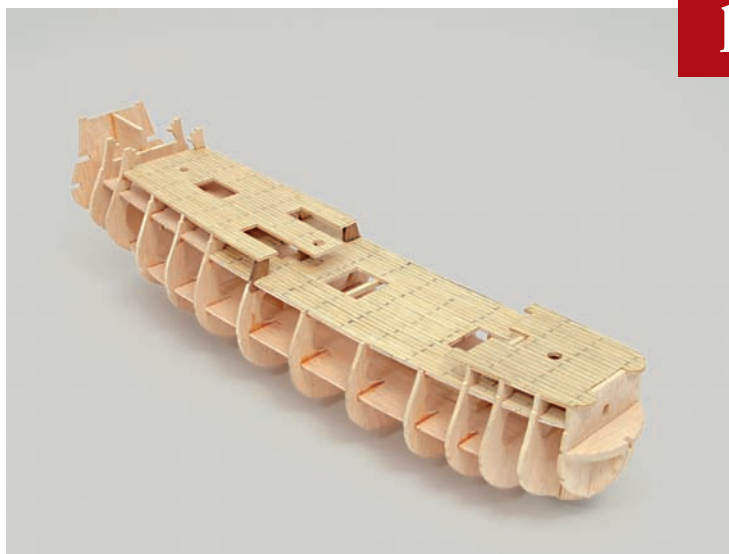
i

Use a knife to remove any planks that overhang the openings in the deck, and sand the edges smooth. Use a pencil to simulate nails as before.



j

Glue the completed stern deck on top of the frames and deck beams.



k

The photo shows how the assembly should look at this stage. Keep any leftover material, as it will be used later.