SAN FELIPE: Step by Step

Your parts

Eagle decorations
Cannons
Stern ornaments

Tools and equipment

Superglue   Brushes
Tweezers   Red paint
Drill/bits
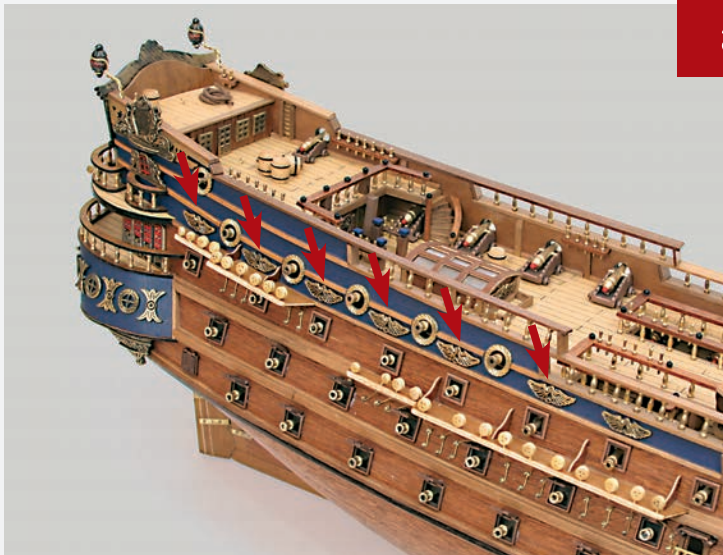
a

Glue an eagle to each of the six points indicated by the arrows.

b

Glue the remaining eagle on the front side of the skylight.

c

Find the central columns of the sterncastle (red line). Then glue one stern ornament (arrowed) in line with the first columns to the port side of the central columns.

d

This photo shows how the ornaments should be positioned.

e

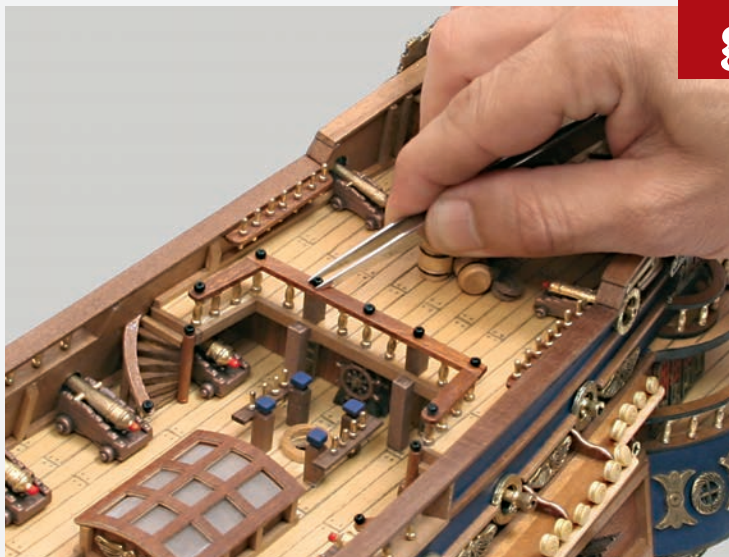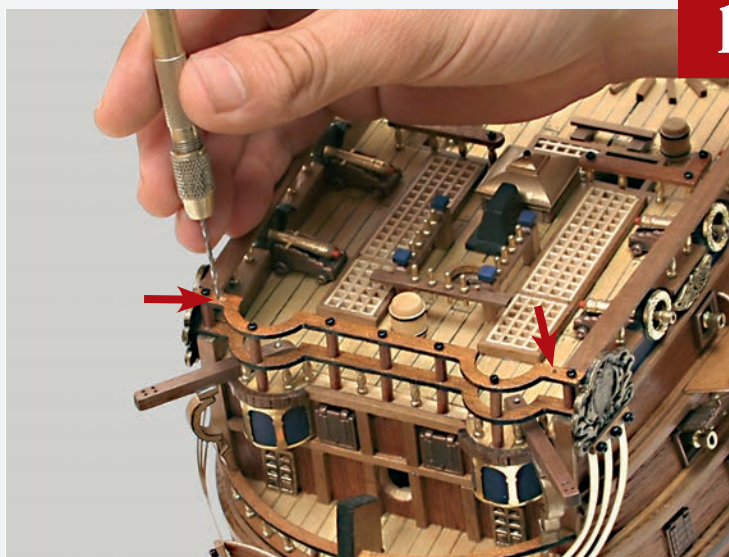Glue another ornament (arrowed) to the starboard side of the central columns (red line).

f

Glue in place four further ornaments, two to the port side, two to the starboard side, as indicated by the arrows.
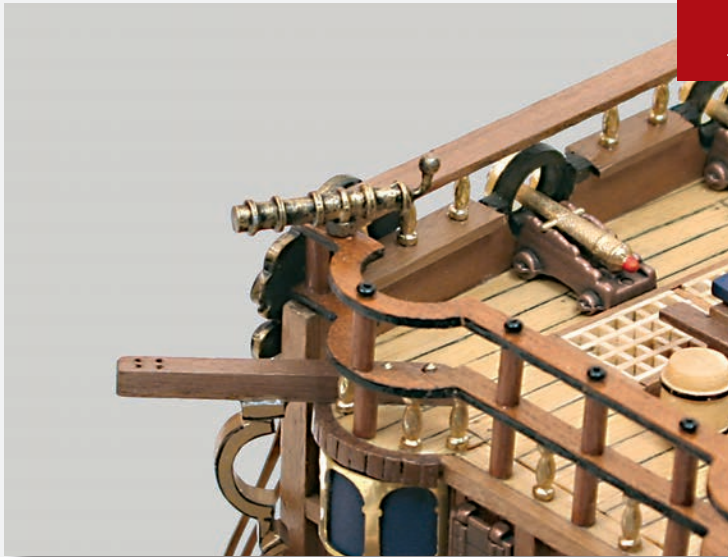Leave a gap of one column between each ornament.

g

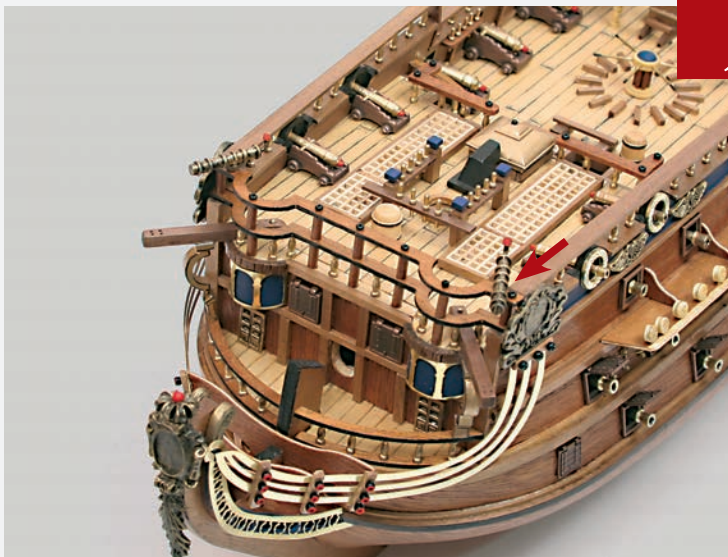Glue seven beads to the top of the bannister of the poop deck, as shown in the photo.

h

Drill two holes on the edging at the front of the foredeck, at the points shown by the arrows.

i

Test-fit a cannon into the hole drilled in the previous step. Enlarge the hole if necessary and glue the cannon into place.

j

Test-fit and glue the second cannon into place. When the glue is dry, paint the spherical projection at the rear of each cannon with red paint.

k

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

IMPORTANT NOTE:
The numbering of 'Your parts' from this point forward refers to the lists on the plans. The plans show the mast parts full size, with at least two views of each section.
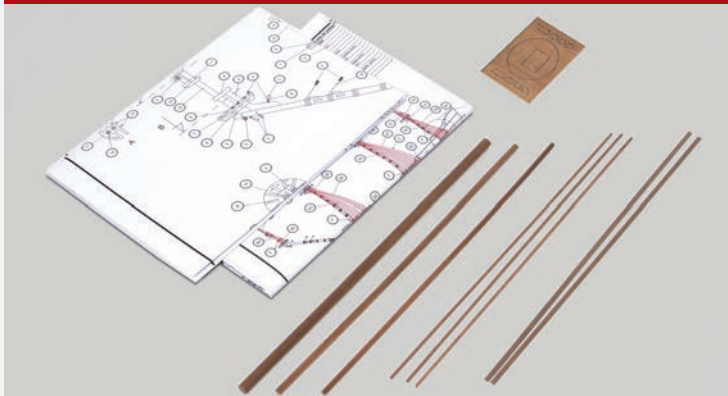
Your parts

Rigging plan
Bowsprit plan
1. Bowsprit
4. Brackets
5. Bowsprit maintop crosstrees
6. Bowsprit maintop tressletrees
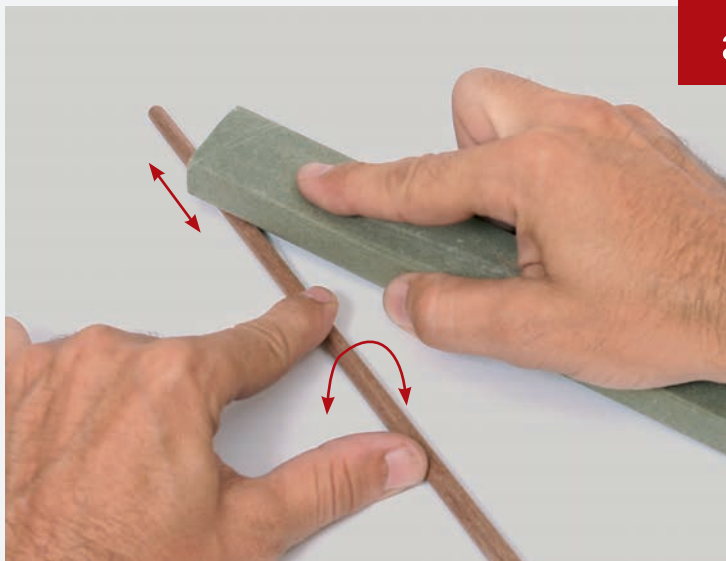7. Bowsprit maintop
8. Bowsprit maintop ribs
10. Spritsail topmast
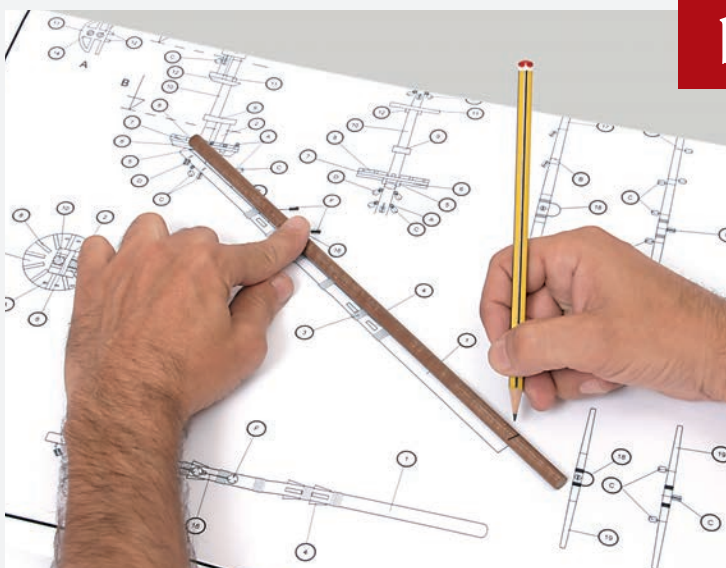12. Crossbars
14. Spritsail topgallant mast
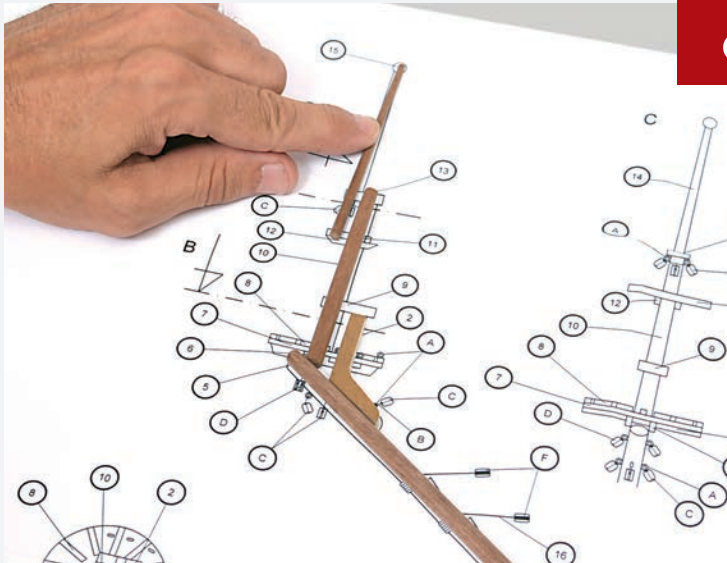17. Spritsail yard
19. Spritsail topsail yard

a

The bowsprit tapers at one end. To achieve this taper, hold sandpaper over it at one end and rotate the dowel while moving the sandpaper back and forth. Check the bowsprit against the plan to get the correct shape.

b

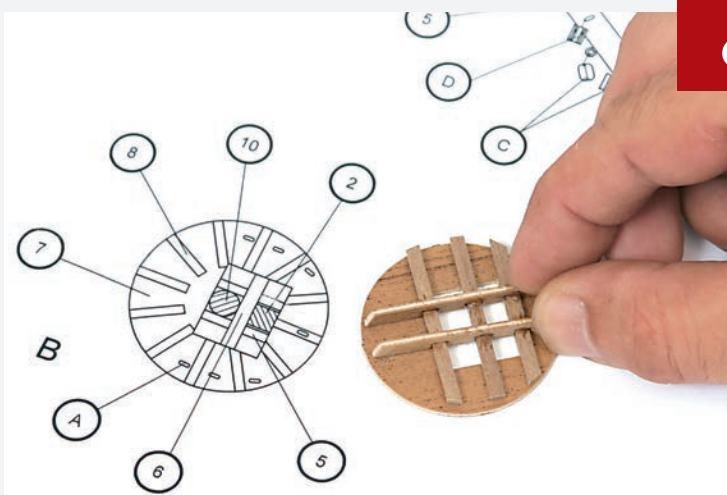Once you have tapered the end of the bowsprit, mark the end of it, as shown.

c

Remove the knee from the parts sheet from page 213, lay it in place on the plan and glue it to the bowsprit, as shown. Then place parts 10 and 14 on the plan, and taper to the right shape.
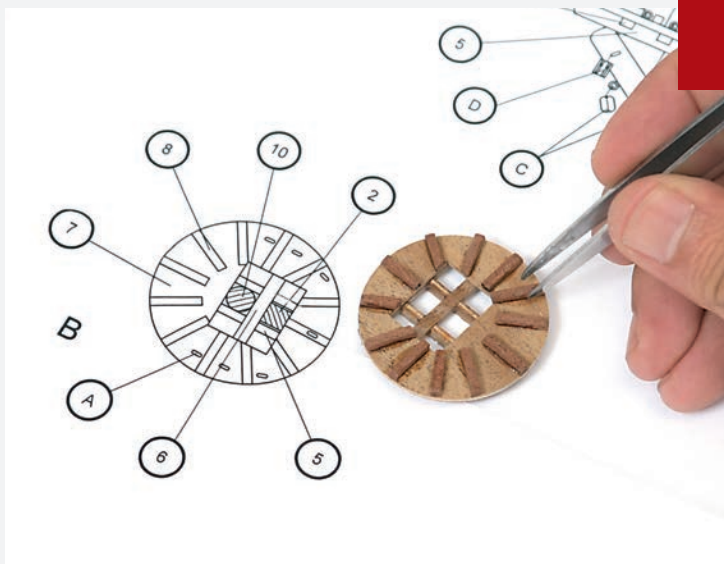
d
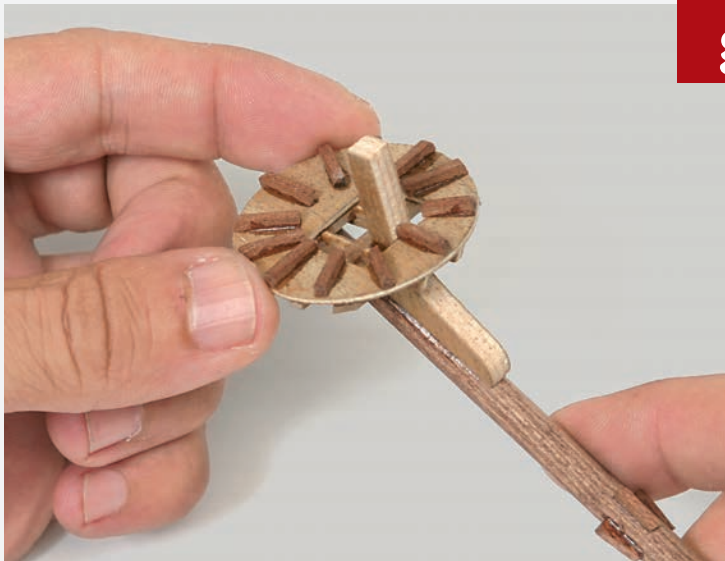
Glue the brackets (part 4) in place on the bowsprit.

e

Assemble the bowsprit maintop (shown upside down here) with parts 5, 6 and 7.

f

Turn the maintop over and glue the ribs (part 8) into place.

g

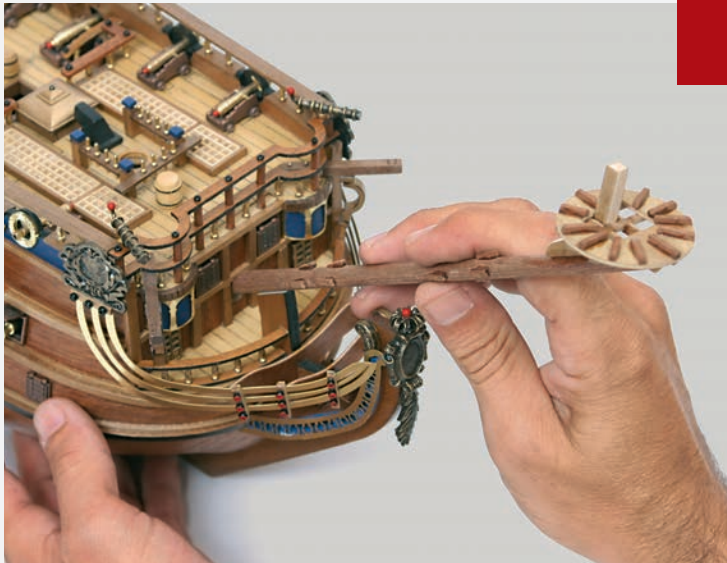Test-fit and glue the bowsprit maintop into place.

h

Clear the hole at the bow where the bowsprit fits, as the ends of some wooden strips or planks may be obstructing the hole.
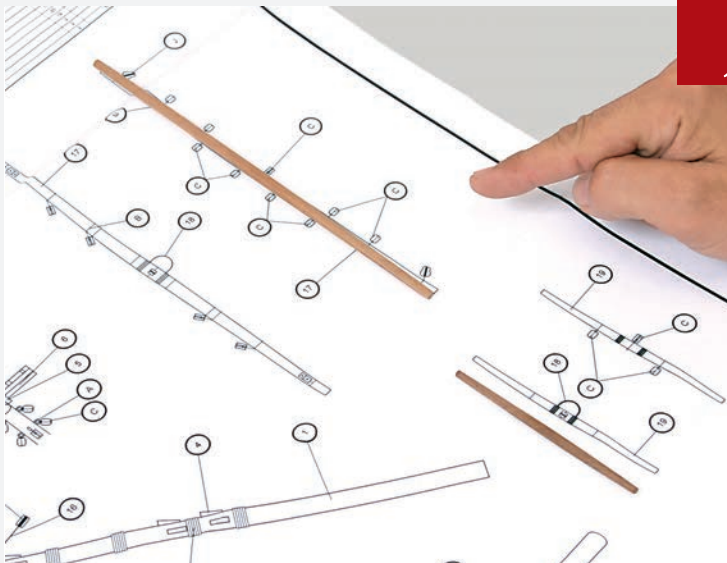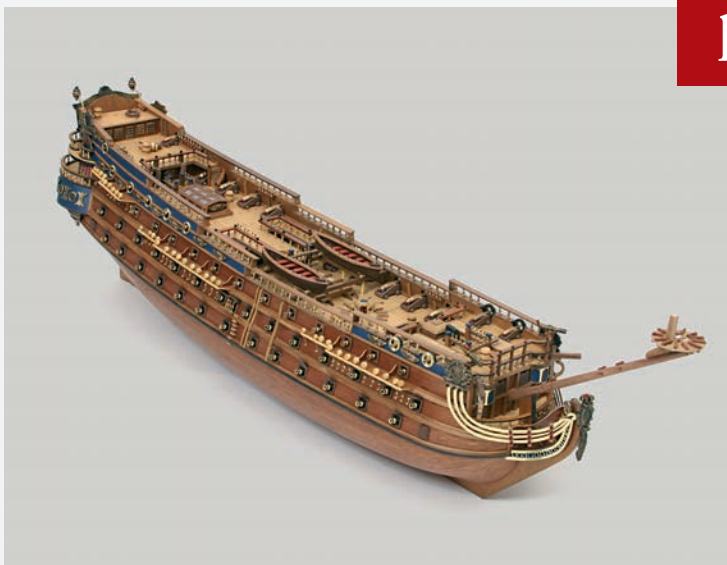
i

Test-fit the bowsprit assembly in place, but do not glue yet.

j

Prepare both yards (parts 17 and 19) by holding them against the plan and tapering both ends of each to match the diagram.
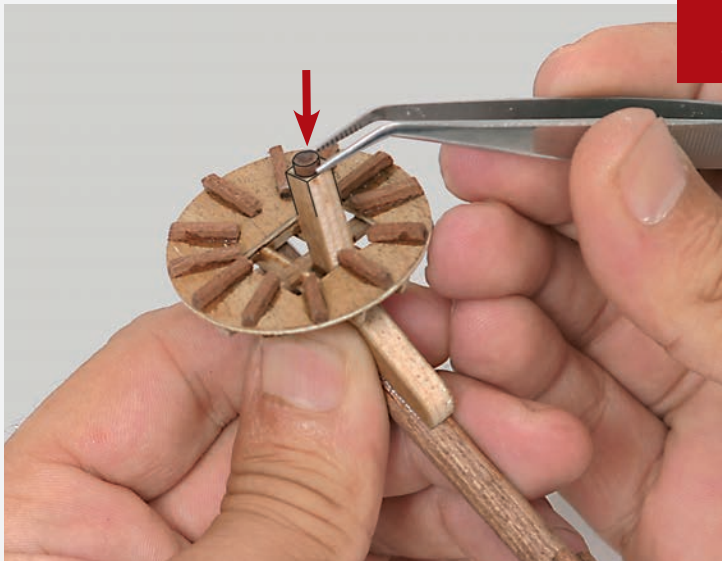

k

The photo shows how the assembly should look at this stage. Keep any left-over material, as it will be used later.
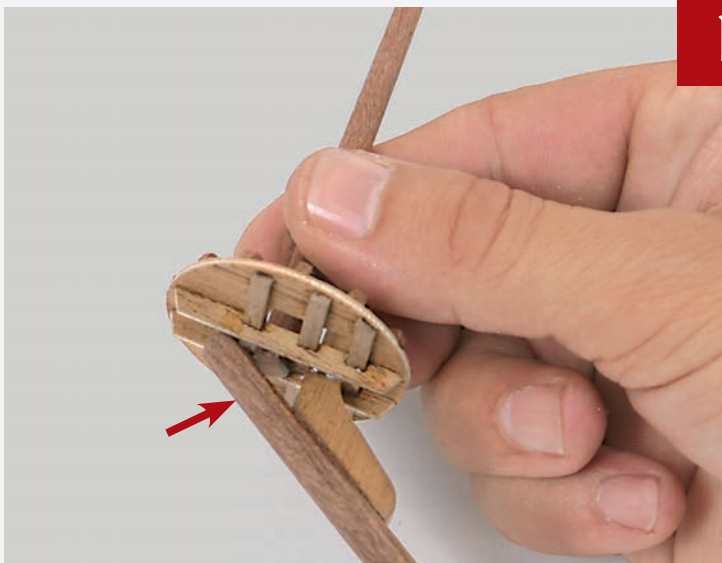
Your parts

9. Lower mast cap
11. Topmast crosstrees
13. Topmast cap
18. Brown cotton thread 0.5mm
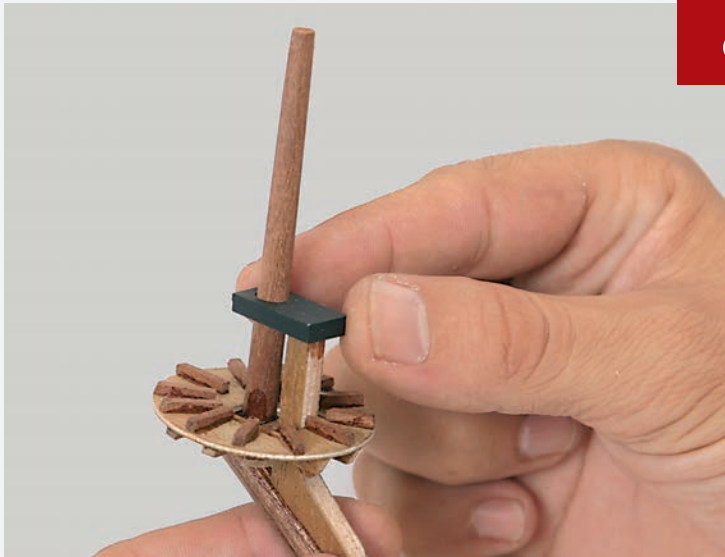B. Natural cotton thread 0.5mm
C. Blocks 4mm

a

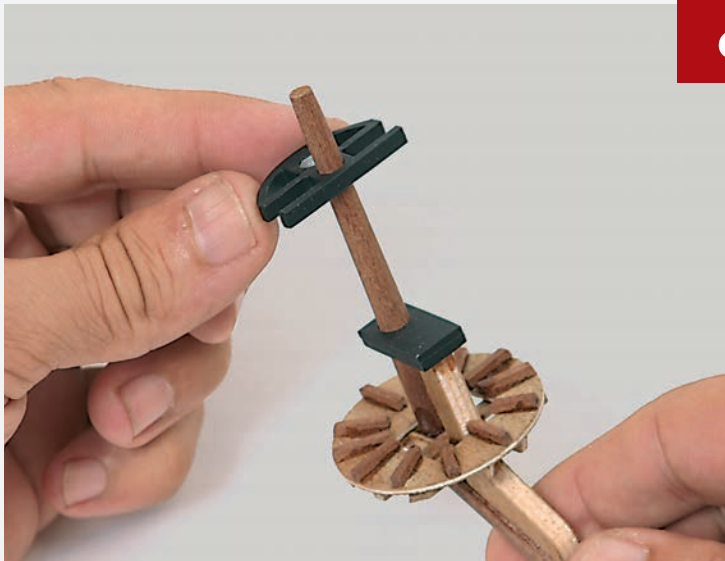Cut a length of 4mm dowel and glue it to the top of the knee.

b

Place the spritsail topmast into the hole of the maintop, resting on the bowsprit, and glue it into place.

c

Place the lower mast cap over the topmast and slide it down until it comes into contact with the top of the knee, then glue it into place.
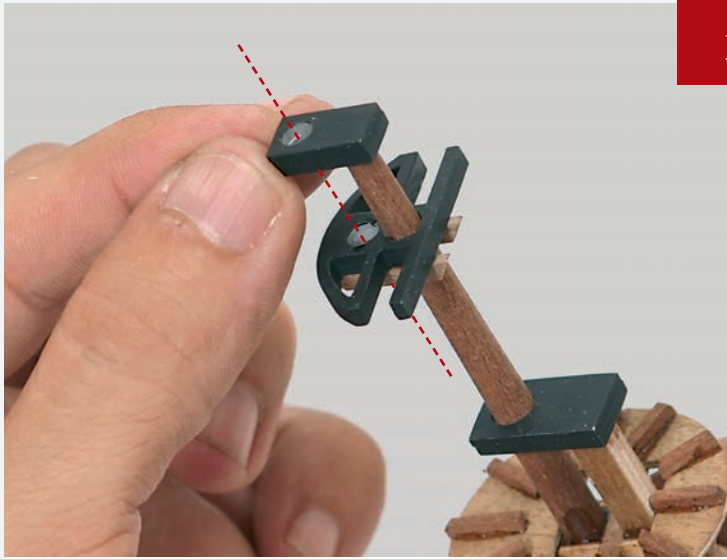
d

Slide the crosstrees over the topmast until they rest in place, then apply glue to secure them.
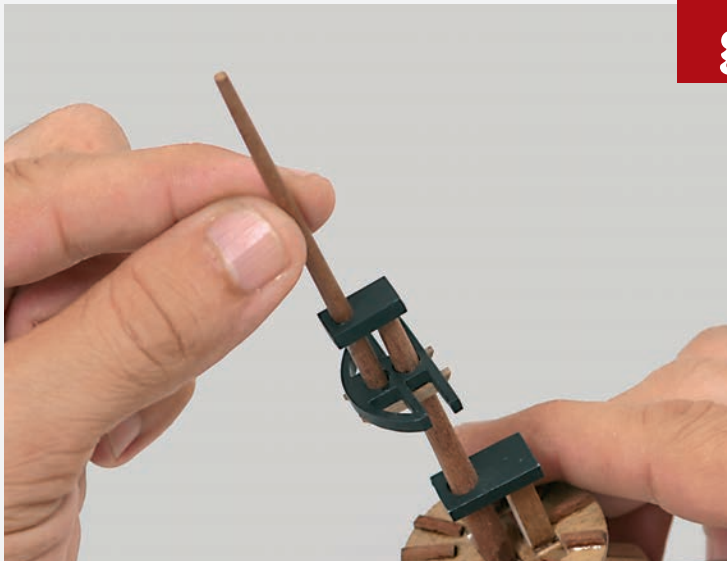
e

Cut and shape two crossbars (part 12) to fit underneath the crosstrees, and glue into place up against the mast.

f

Test-fit the topmast cap on the end of the topmast, aligning the holes of the cap and the crosstrees (dotted red line). Adjust the end of the topmast if necessary, to achieve a tighter fit, and then glue the cap into place.

g

Place the topgallant mast through the holes of the topmast cap and the crosstrees to test-fit. Adjust the mast if necessary to achieve the correct fit and then glue into place.
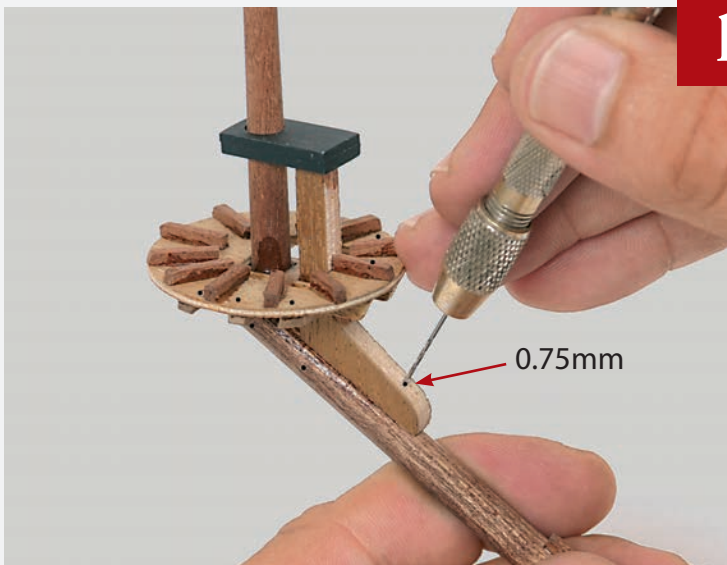
h

Locate all the points on the bowsprit plan marked with 'A'. Drill a 0.75mm hole at each of these points.

0.75mm

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i

Glue an eyebolt into each of the 'A' holes drilled in the previous step.

j

Use the 0.5mm brown thread (part 18) to make the mast bindings at the points indicated on the plan.


k

The photo shows how the assembly should look at this stage. Keep any left-over material, as it will be used later.
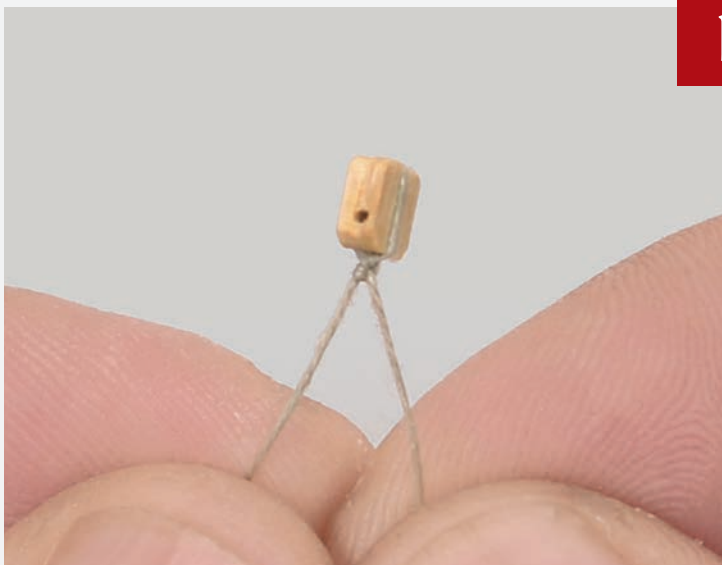
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Your parts

Foremast plan
20. Lower foremast
21. Rubbing paunch
23. Foremast maintop crosstrees
24. Foretop hounds
26. Foretop
28. Lower mast cap
30. Fore topmast
31. Crosstree bibbs
35. Fore topgallant mast
36. Topgallant masthead
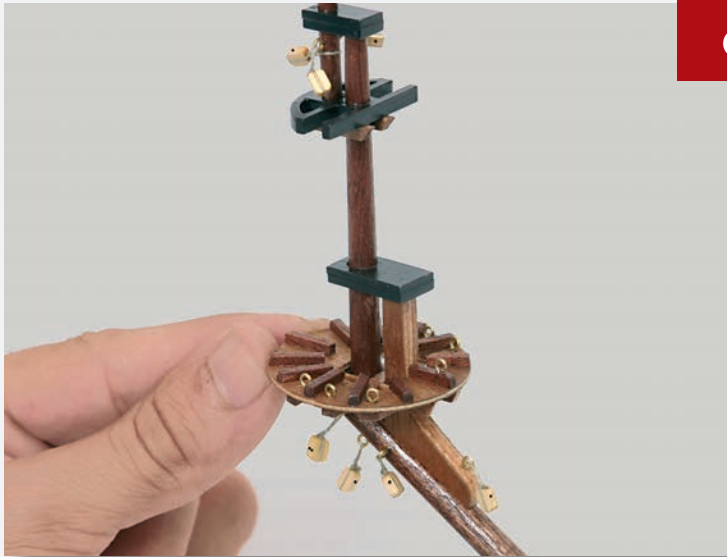46. Mainmast hounds
69. Mizzenmast hounds
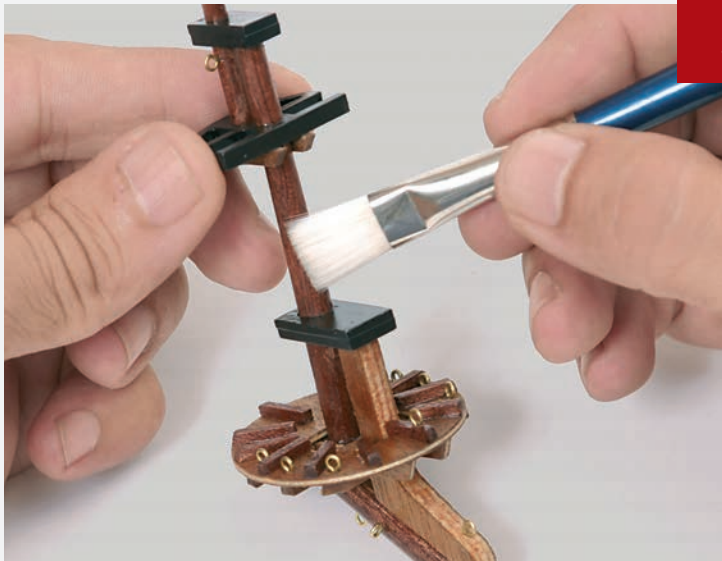
a

Before continuing with the assembly of the bowsprit, stain it, as shown.
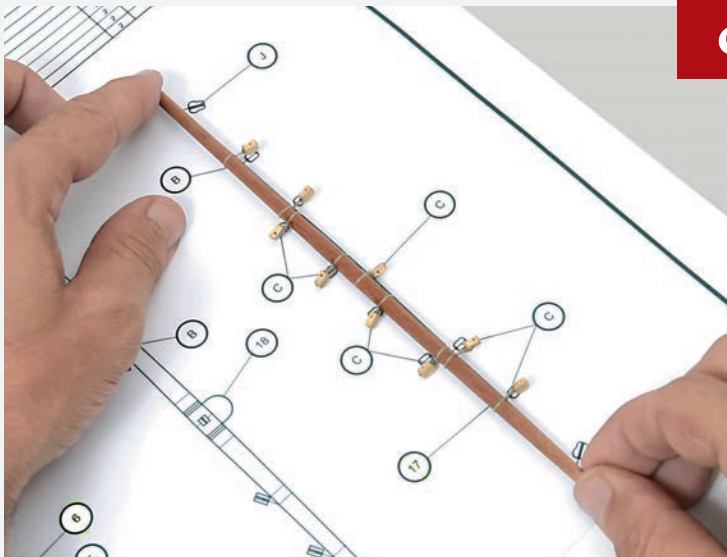
b

Prepare the blocks (part C) by tying a length of 0.15mm natural cotton thread (part B) around the groove in the centre of each one.
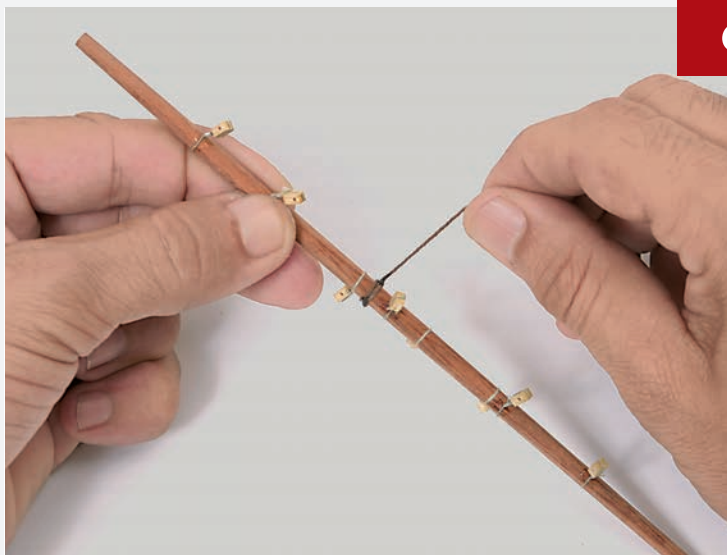
c

Tie blocks (C) to the eyebolts (A) fitted in Step i, page 412, as shown on the plan.
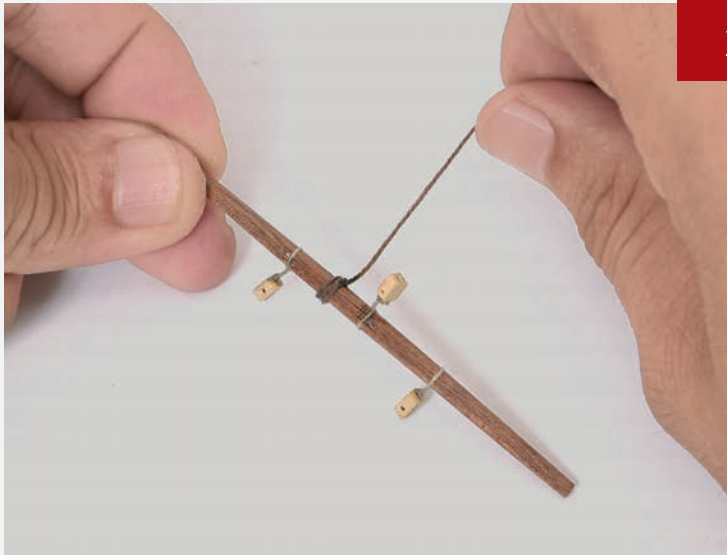

d

Lay the spritsail yard (17) on the plan, and tie blocks (C) to the points indicated on the plan.
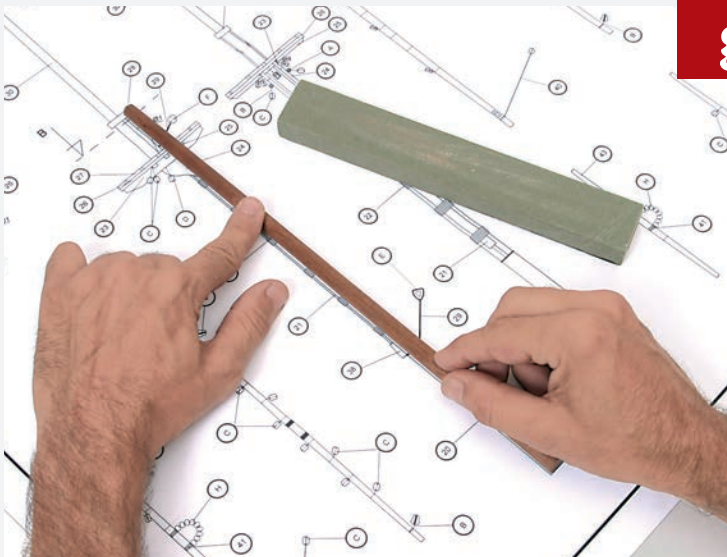

e

Take a piece of 0.5mm brown thread (part 18), and tie one end in the centre of the yard (17). Leave the free end loose to attach to the bowsprit at a later stage.
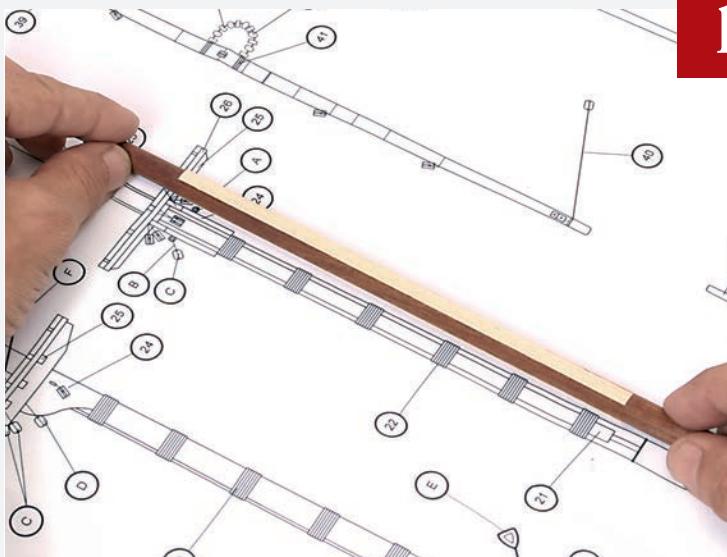
f

Repeat the process in the previous step for the topsail yard (19), fixing the blocks (C) and thread (18) to it, as indicated on the plan.

g

As with the bowsprit, place the lower foremast on the plan and prepare it by tapering it towards the top. Compare it with the plan to achieve the correct shape.

h

When you have the correct shape, prepare the rubbing paunch (part 21) and glue it into place.
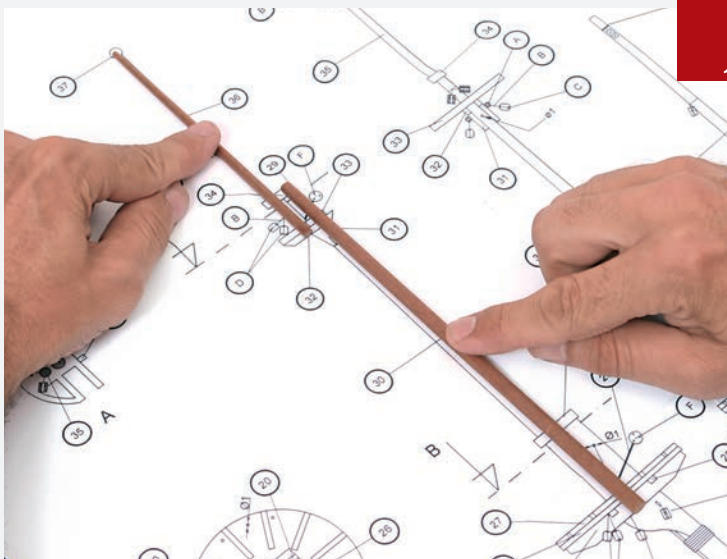
i

Use the brown thread (18) to create the six bindings (22), as indicated on the plan. Each binding is six turns of thread wide.

j

Prepare the fore topmast and fore topgallant mast (parts 30 and 35). Cut them to the correct length and taper to match the plan.

k

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