AUSTRALIAN COLONIAL SERIES WOODEN MODEL KIT

LONGBOAT - HMS SIRIUS 1786

SCALE 1:24









LENGTH: 565mm HEIGHT: 410mm

ITEM CODE: KTMS1009

Modellers Shipyard

www.modellersshipyard.com

BUILDING INSTRUCTIONS

Version 3.0

1.0 Introduction

Modeller's Shipyard is proud to present another wooden model ship in our Australian colonial vessel series. We are the only manufacturer of wooden period model ships in Australia.

Our model of the *HMS Sirius Longboat* kit is double planked on bulkhead construction with laser cut ply-wood. The kit comes complete with all timber, rigging cord and fittings. All parts and fittings are of the highest quality.

2.0 HMS Sirius Longboat

The *HMS Sirius* was the flag ship of the First Fleet. Under the command of Captain Arthur Phillip, the frigate led a fleet of 11 ships carrying 1350 convicts, sailors and other passengers, to establish the first settlement in New South Wales The fleet left England on 13 May 1787 and after a monumental journey taking eight months arrived in Botany Bay between 18-20 January 1788.

The largest boat of the HMS *Sirius* was the longboat. The primary propulsion of the longboat was oar power. A pair of men would sit abreast on a single thwart, one man pulling a starboard oar, the other the port (or larboard) oar. The main duty of the longboat was to carry dispatches or transport the officers to and from shore. The HMS *Sirius* Longboat would have been used to transport Captain Arthur Phillip ashore in Sydney Cove to raise the Union Jack and claim the eastern part of the Australian continent for Great Britain on the 26 January 1788 naming the new colony New South Wales.

The HMS *Sirius* Longboat was also equipped with a collapsible sailing rig making her a speedy sailing boat allowing her to be employed to explore the environs of Port Jackson.

In March 1790 the HMS *Sirius* foundered when she struck a reef off Sydney Bay (Kingston) on Norfolk Island and was finally wrecked on the 19th March 1790. The ship's Longboat was used extensively to ferry crew and convicts to the island and to salvage goods and supplies. Importantly the Longboat was used to salvage the ship's guns, one of which is now a permanent monument in Macquarie Place, Sydney.

This model of the HMS *Sirius* Longboat is based on a typical Royal Navy longboat of the period. The model is double planked with basswood as the first layer and teak as the second layer. All parts and fittings are of the highest quality. The kit comes complete with fully detailed written step-by-step building instructions with extensive colour photographs.

References:

1. Marquardt, K.H. "Eighteenth-century Riggs & Rigging" Conway Maritime Press 1992
2. May, W.E. "The Boats of Men-of-War" National Maritime Museum, Greenwich 1999
3. Lavery, B. "The Arming & Fitting of English Ships of War 1600-1815" Conway Maritime Press 1987

3.0 General Instructions

These instructions and kit are designed to make the construction of the model as trouble free as possible. Everyone who completes their model in accordance with these instructions and using the materials supplied will have good cause for pride and satisfaction in their achievement.

1. It is **essential** that the modeller study these instructions and associated drawings thoroughly before commencing construction. While reading these instructions, familiarise yourself with the contents of the kit.

2. Parts are numbered in the approximate order of assembly - note there are some minor variations in this numerical order. Parts are identified as, for example P25 - means Part No 25.

3. Few, if any, parts can be simply glued in place without some preparation. Always dry fit parts and if necessary re-shape the parts before final gluing.

4. Don't hurry. Take your time. If you are uncertain of anything take the time to study the instructions, the diagrams and photos and your kit parts. Most problems will be overcome with a little time spent pondering the issue at hand.

5. Check the contents of the kit against the Parts List. Note that some parts need to be made by the modeller from the stock of timber supplied in the kit.

6. The construction of a wooden model ship can be divided into the following steps.
   - Hull Construction
   - Hull Planking
   - Fittings
   - Masts & Rigging

These written building instructions are to be followed to build your model.

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4.0 **Parts List** (Modeller's Shipyard reserves the right to make changes to the instructions, components &/or kit contents at any time without notice)

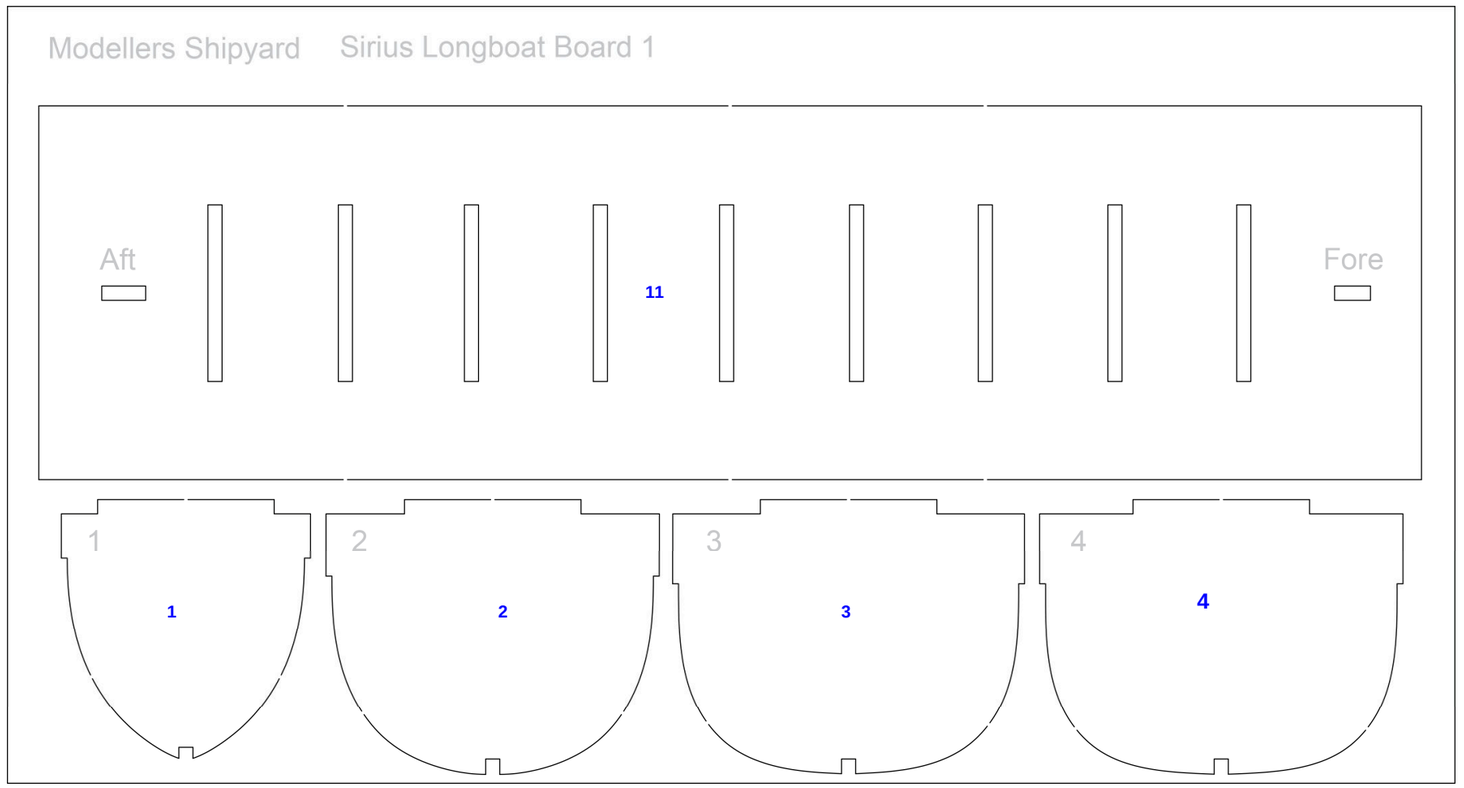
Part No	Description	Quantity	Location
1-9	Bulkhead	9	Board 1 and Board 2
10	Transom	1	Board 2
11	Base	1	Board 1
12	False Keel	1	Board 2
13	Bow Blocks	2	Board 2
14	Basswood 2x5x400mm	40	Timber Stock
15	Washboards	2	Board 3
16	Teak 0.6x5x400mm	60	Timber Stock
17	Washboard Covers	2	Board 6
18	Washboard trim	2	Board 3
19	Keel	1	Board 2
20	Stem post	1	Board 2
21	Rowlock strips	2	Board 6
22	Rib strips	7	Board 6
23A-B	Stern bench & thwart shelf	3	Board 3
24	Grating Support	1	Board 3
25	Grating	1	Board 3
26	Grating coaming	1	Board 3
27	Stern bench	1	Board 3
28	Keelson	1	Board 4
29	Bottom boards	6	Board 4
30	Bow platform	1	Board 3
31A-H	Thwarts	8	Board 3
32	Thwart pillars	1	Board 2
33A-B	Cap rails	3	Board 4
34	Stem head	1	Board 2
35	Rudder	1	Board 2
36	Wire-brass - 1.5x100mm	1	Parts Card 2
37	Rudder hinges	2	Parts Card 2
38	Nails	Pkt	Parts Card 2
39	Oar blades	6	Board 3
40	Eye pins 3x12mm	Pkt	Parts Card 2
41	Rings - 8mm	4	Parts Card 2
42	Stern knees	2	Board 3
43	Knees	12	Board 3
44	Thwart knees	30	Board 3
45	Dowel 3x200mm	1	Timber Stock
46	Dowel 3x330mm	3	Timber Stock

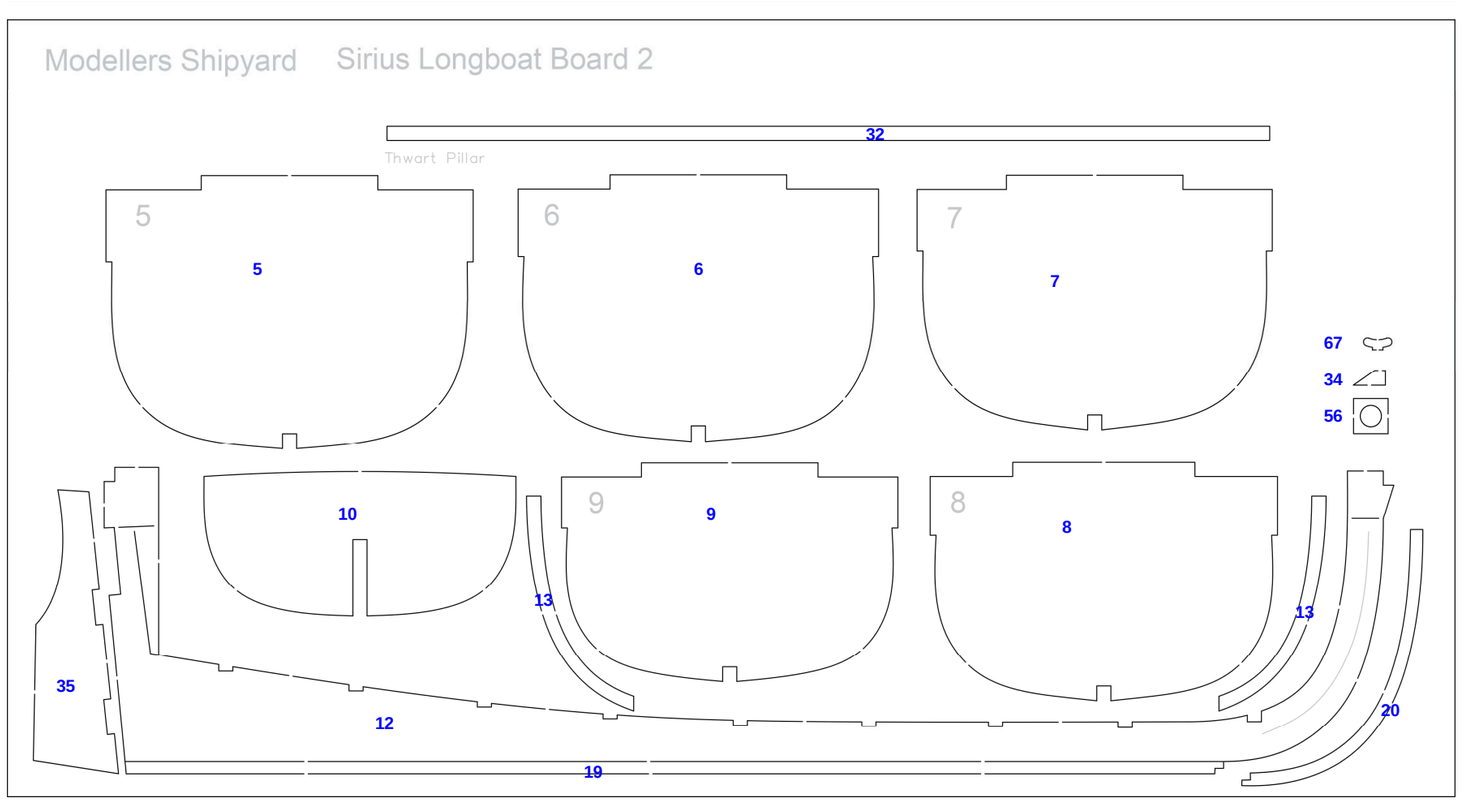
Part No	Description	Quantity	Location
47	Dowel 4x100mm	1	Timber Stock
48	Dowel 5x250mm	2	Timber Stock
49	Dowel 6x400mm	1	Timber Stock
50	Cord - 0.25mm grey	1	Parts Card 1
51	Cord - 0.5mm grey	1	Parts Card 1
52	Cord - 0.75mm grey	1	Parts Card 1
53	Cord - 1.25mm grey	1	Parts Card 1
54	Boom yoke	1	Board 3
55	Gaff yoke	1	Board 3
56	Mast step	1	Board 2
57	Mast cleats	7	Board 3
58	Bowsprit brace	1	Board 3
59	Copper strap - 3x50mm	1	Parts Card 2
60	Blocks - 5mm 1hole	8	Parts Card 2
61	Block - 5mm 2 hole	3	Parts Card 2
62	Deadeyes - 7mm	10	Parts Card 2
63	Wire-brass-0.5mm x 1m	1	Parts Card 2
64	Rings - 3mm	4	Parts Card 2
65	Belaying pins - 16mm	6	Parts Card 2
66	Parrals	Pkt	Parts Card 2
67	Cleat	1	Board 2
68	Cradle ends	2	Board 5
69	Cradle bars	2	Board 5

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5.0 Boards

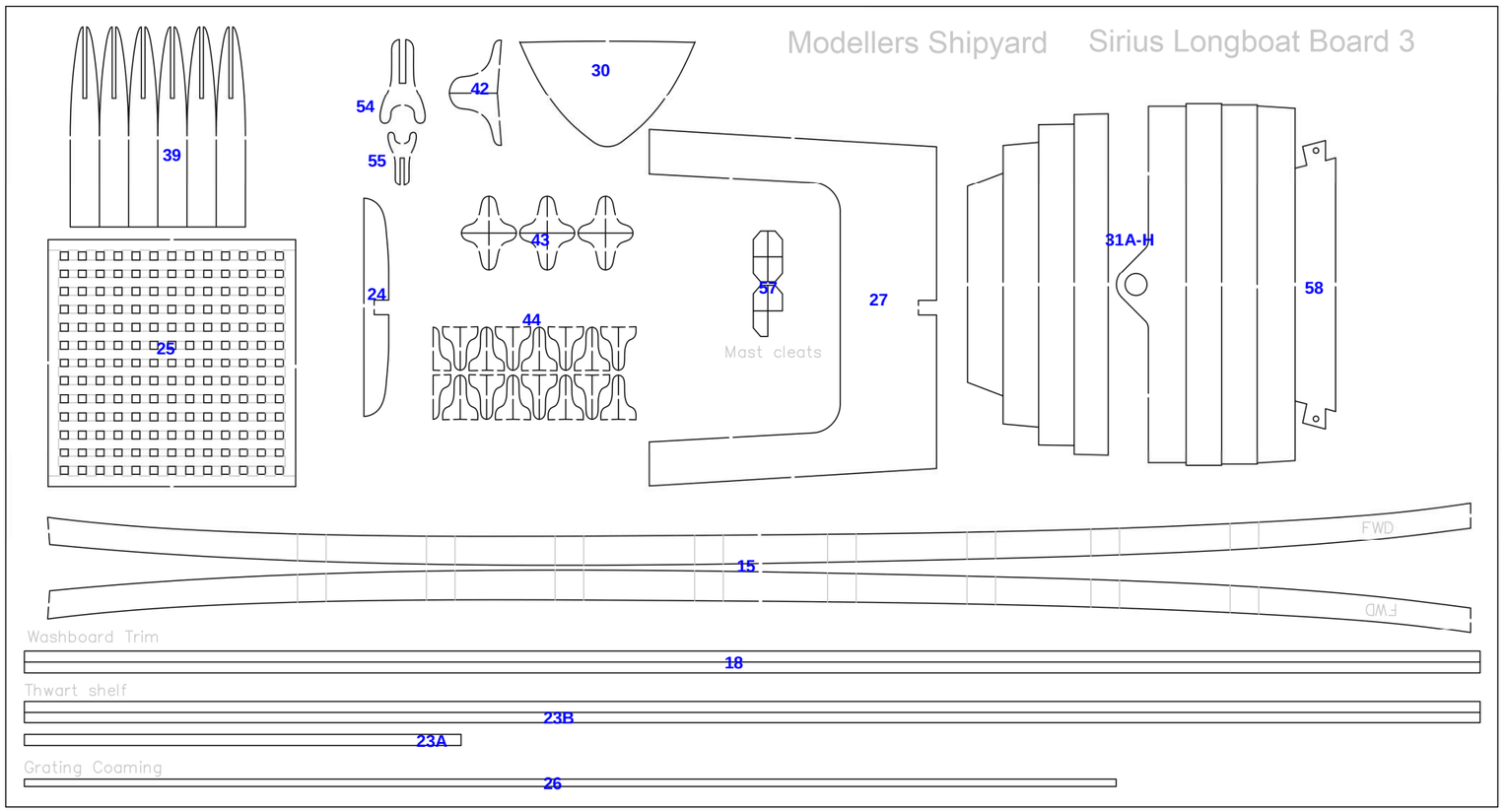


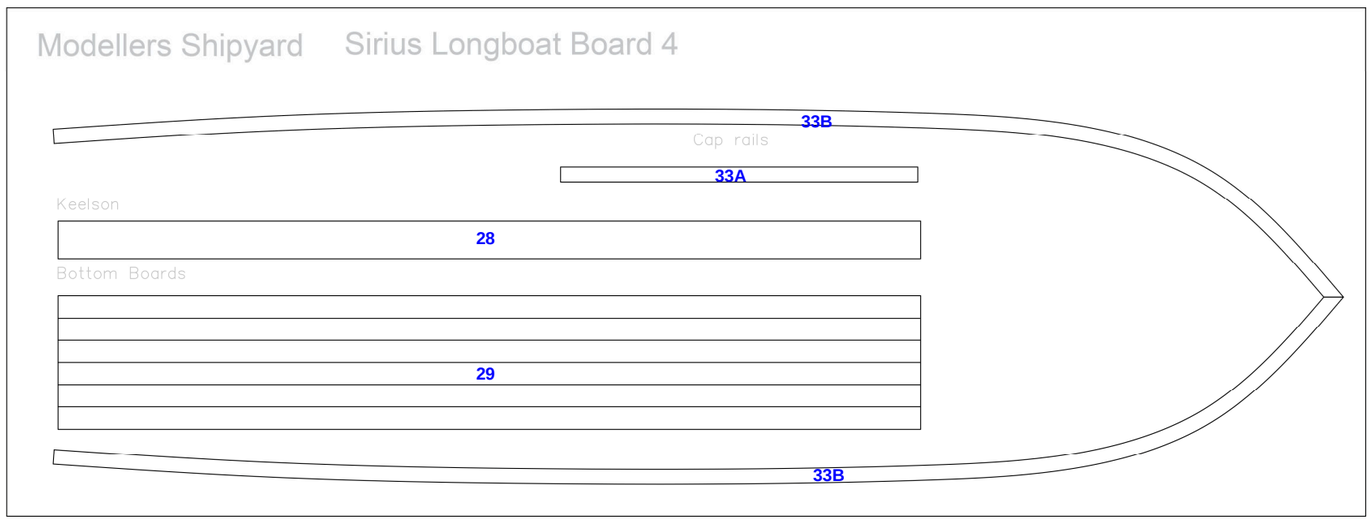


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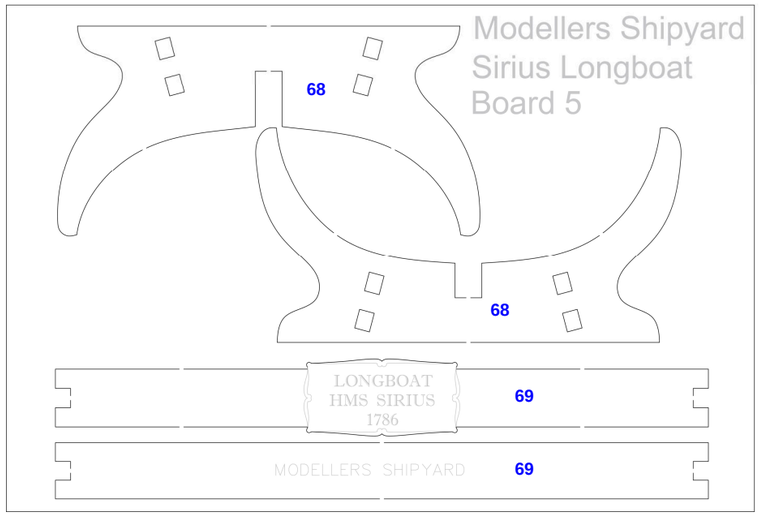
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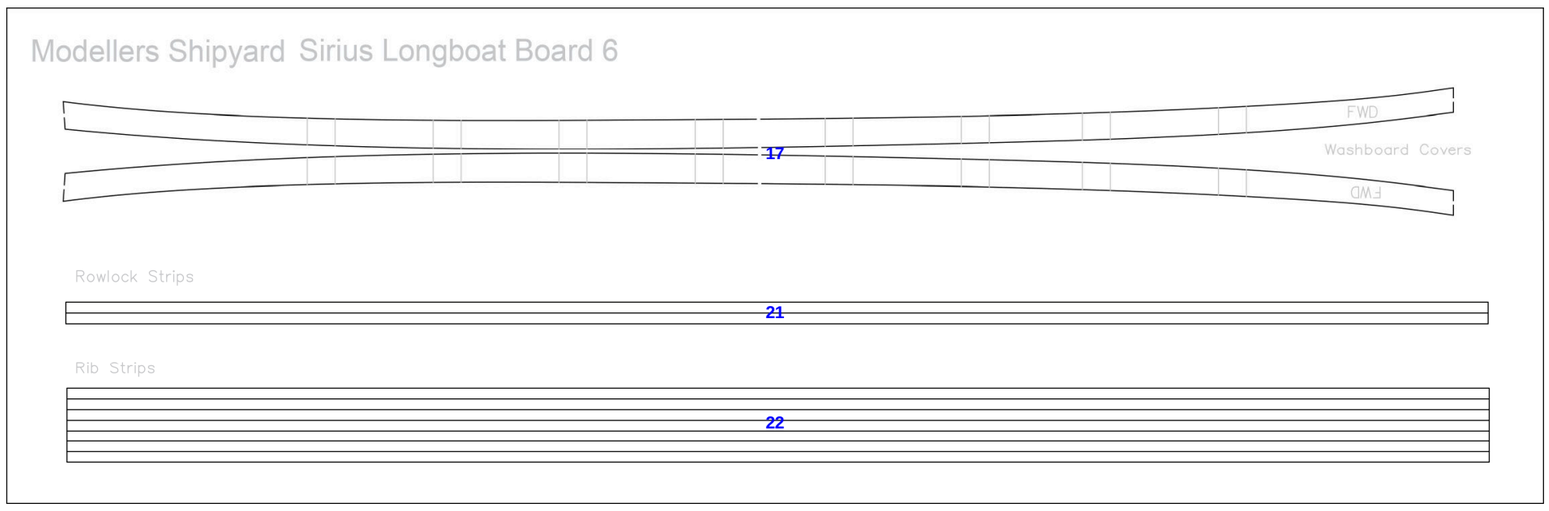
5.0 Boards continued





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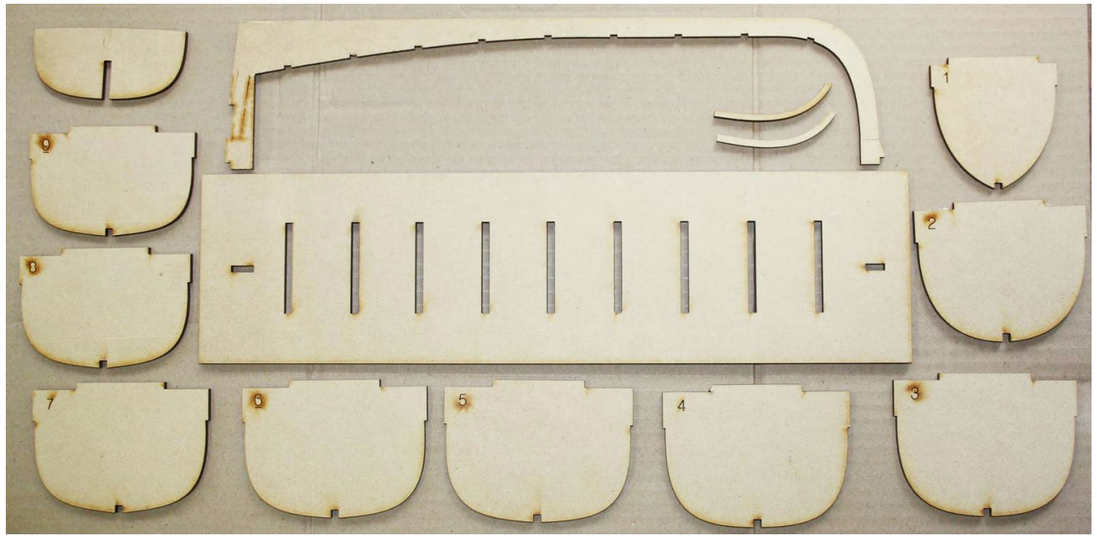
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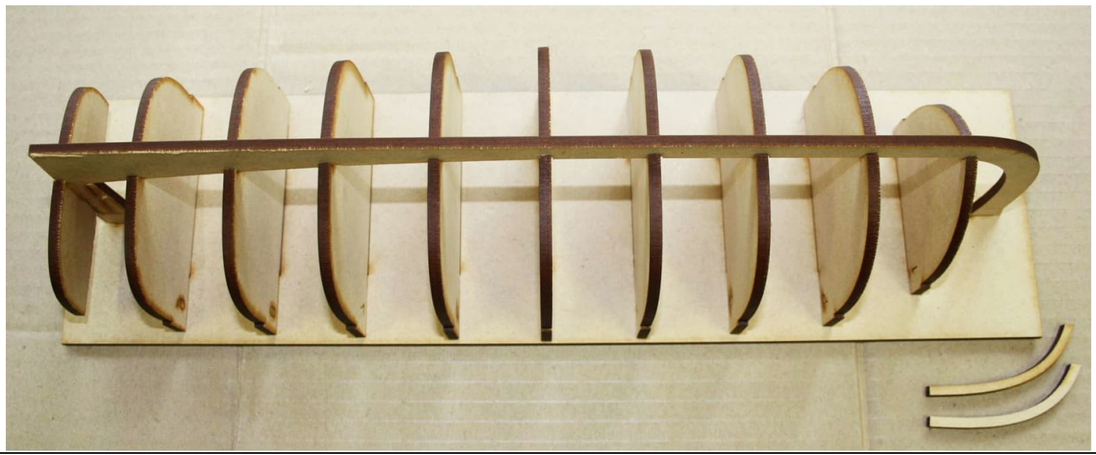
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6.0 Hull Assembly

6.1 Frames & Keel

Identify the bulkheads P1-9, transom P10, base P11 and keel P12. Assemble the parts as shown. Do NOT glue the bulkheads into the base board. Do NOT glue the keel into the bulkheads. Glue the transom to the keel.





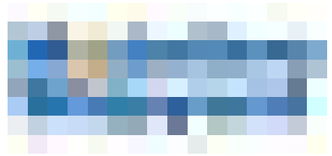
6.2 Bow Blocks

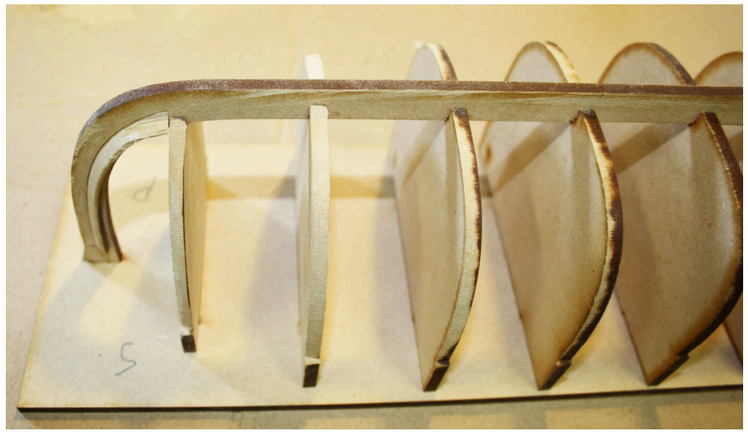
Identify the bow blocks P13. Before fixing in place use a file to bevel the edge at 45 degrees as shown. Glue each bow block in place.

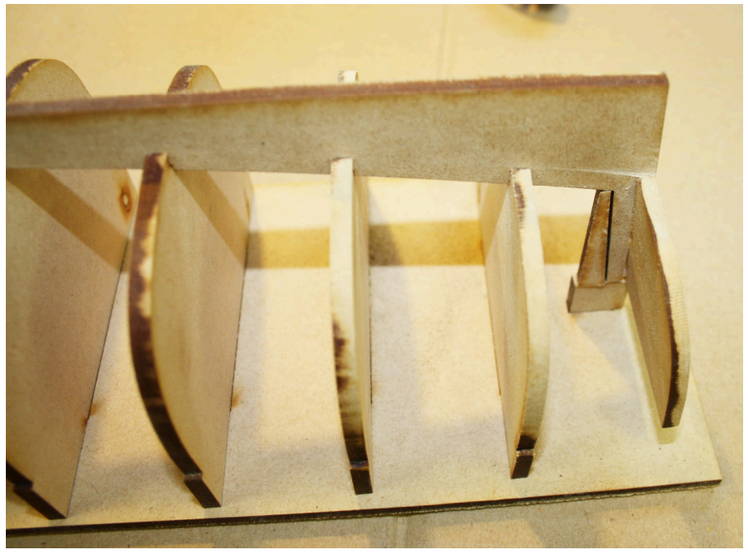


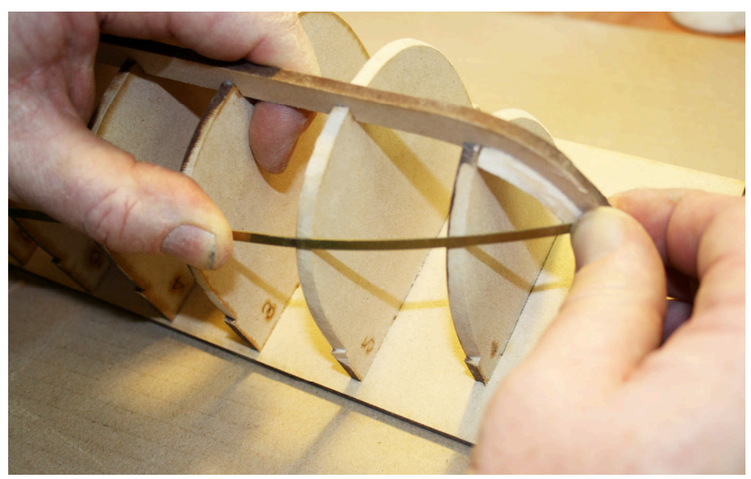
6.3 Fairing the Bulkheads

Bulkheads 1,2 & 3 at the bow will need fairing along with the stern bulkheads 8, 9 and the transom. Take care not to break the main keel joints to the base. Use a brass strap or plank to lay across the frames to check your fairing as shown.





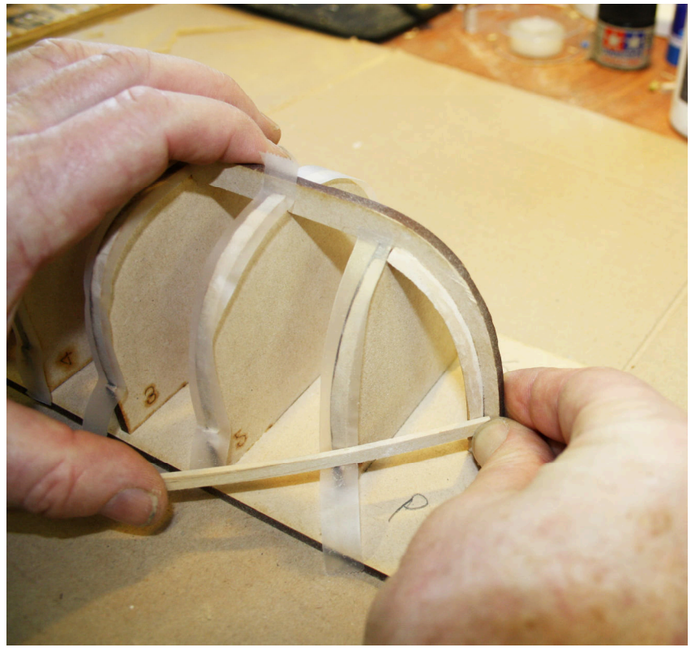


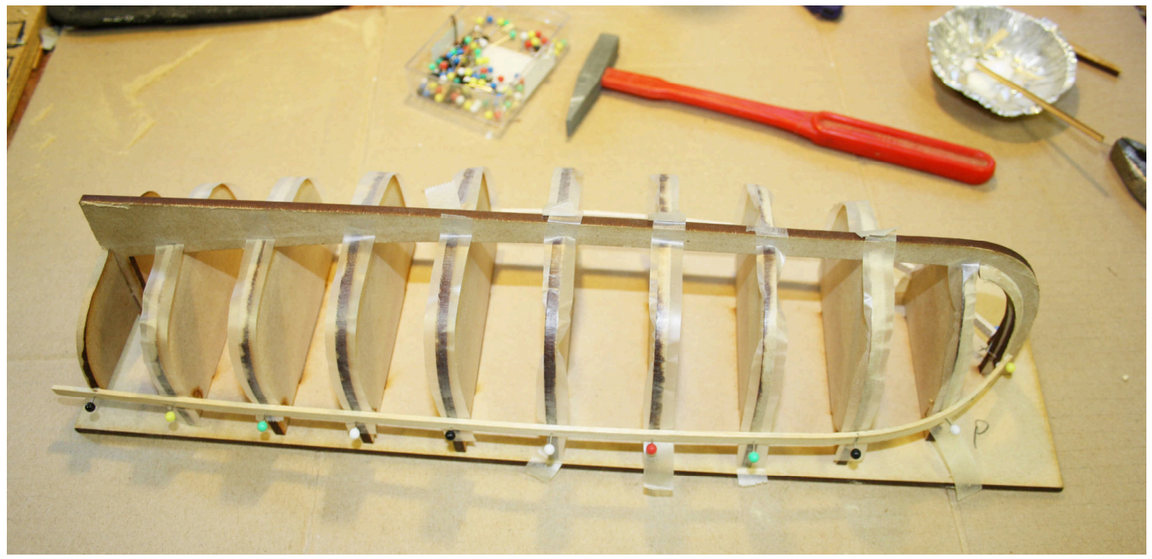


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6.4 First Layer of Planking

Before starting to plank the hull place stick tape across the bulkheads from the keel to the top of the bulkheads. This is to ensure the planks do not adhere to the bulkheads. The first layer of planking is 2x5x400mm basswood P14. Place the **first plank** in position at the top edge of the bulkheads. Mark with a pencil where the plank starts to bend around the bow - this will be at bulkhead 2. Use a hand held plank bender to shape the plank from this point forward. Fit & fix the plank in position. Do not taper this first plank. Glue the plank in position at the bow and transom. Repeat for the other side of the model.

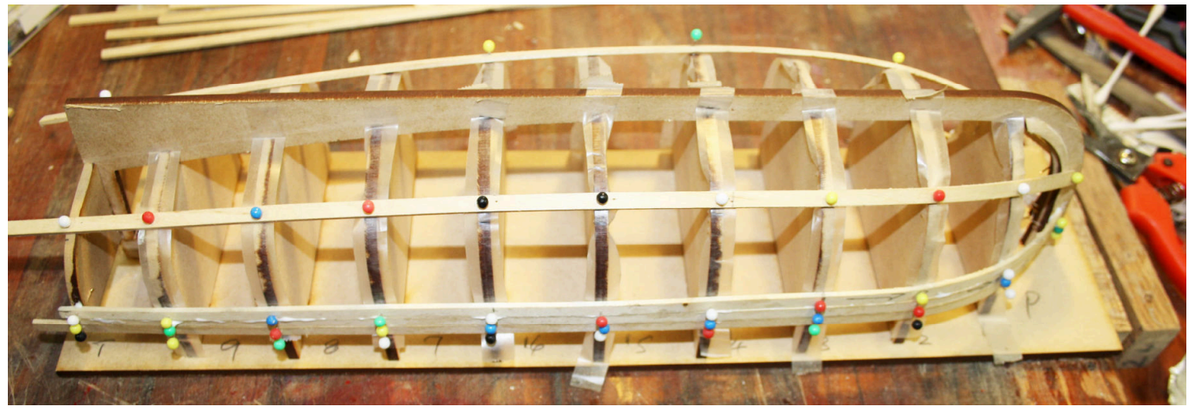




To plank the hull create two planking bands - Band A and Band B.
Band A: From the bottom of the first plank measure down 45mm on the mid-boat bulkheads 4, 5 & 6 - mark the 45mm point on each of these frames as shown.

Fit a **second plank** in position - this is temporary plank. Fit the plank along these 45mm points on the mid-boat bulkheads an allow it to run its natural course fore and aft. Pin the plank in position - do not glue in position.

Complete the planking of band A.



Use a dress makers tape measure to measure on each bulkhead the distance from the bottom of the first plank to the top of the second plank. On the mid-boat bulkheads this measurement will be 45mm.

Record your measurements in the Table below.

As the planks for the first layer of planking are 5mm wide then 45/5 = 9. Therefore 9 plank will fit into the area between the first plank and the second plank. Across the mid-boat frames these planks will be at the widest.

For example if the measurement at say bulkhead 1 is 63mm then 63/9 = 3.9mm. This means that the plank will need to be tapered to 3.9mm at bulkhead 1.

Use your measurements to determine the plank width at each bulkhead.

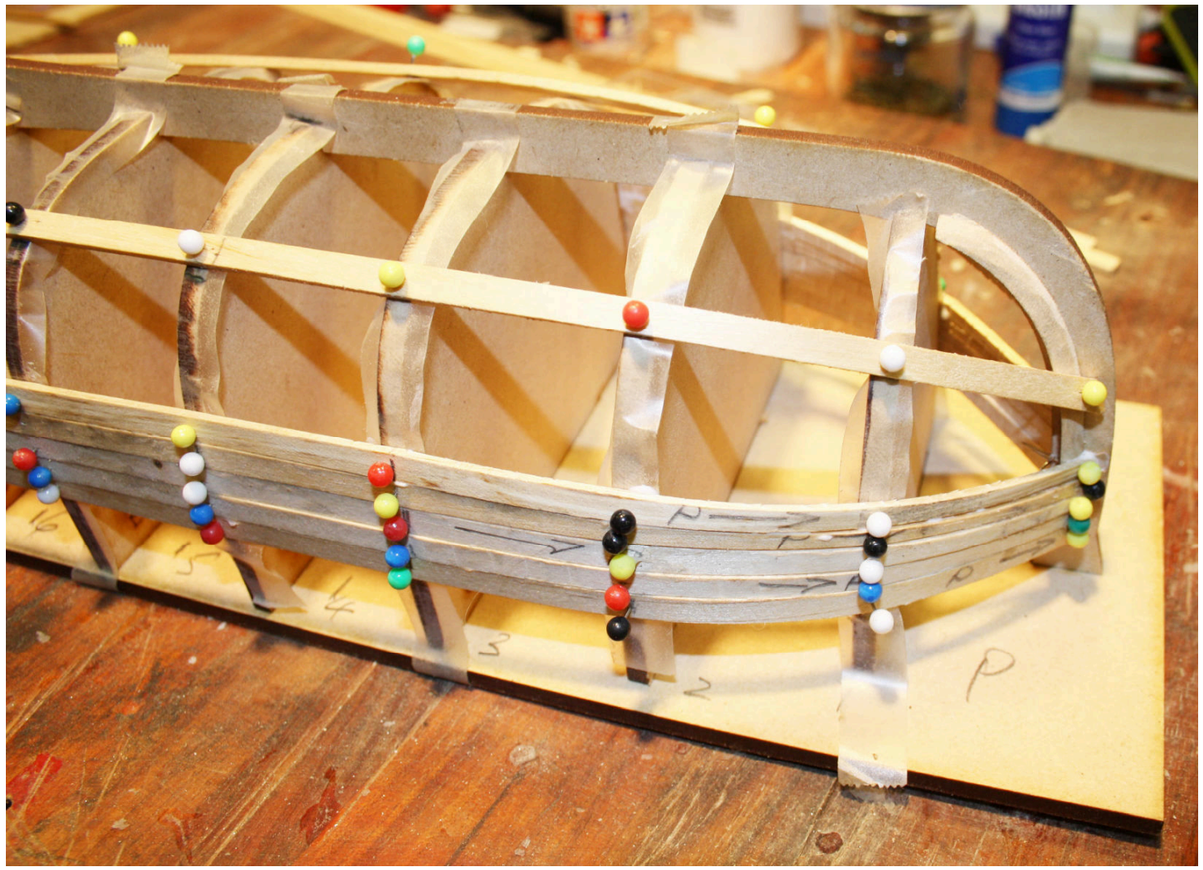
Bulkhead	1	2	3	4	5	6	7	8	9	Transom
Measurement mm				45	45	45				
Plank Width mm				5	5	5				

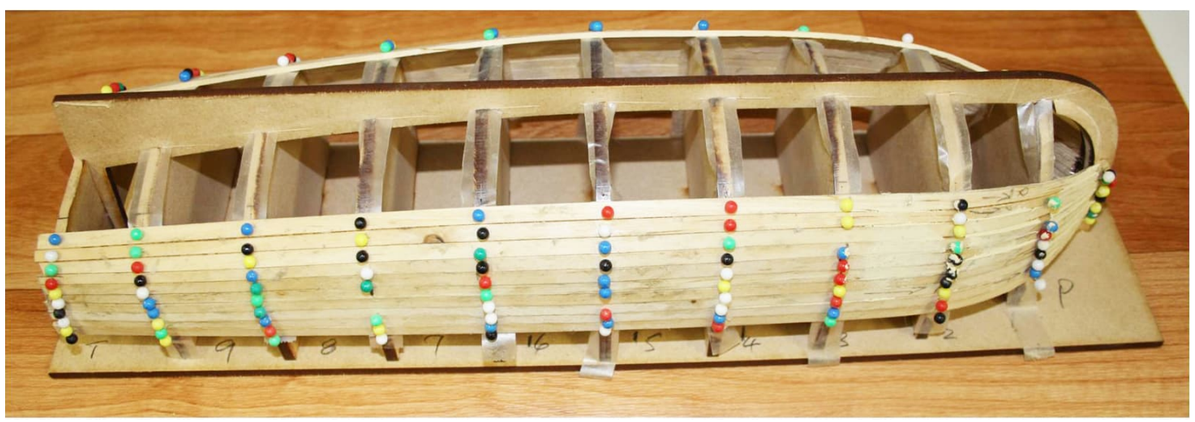
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As each plank is added be sure to run a bead of glue along the edge length of the plank and pin each new plank hard against the previously laid plank. This will add strength to the hull which is particularly important as the planks are not being glued to the bulkheads.

Continue to plank Band A. Keep checking your measurements and make any fine adjustments as needed.

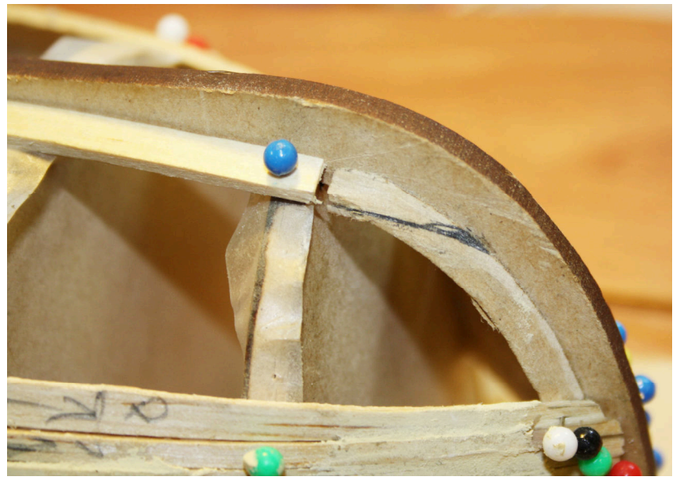
Once planking Band A is completed remove the second plank fitted.





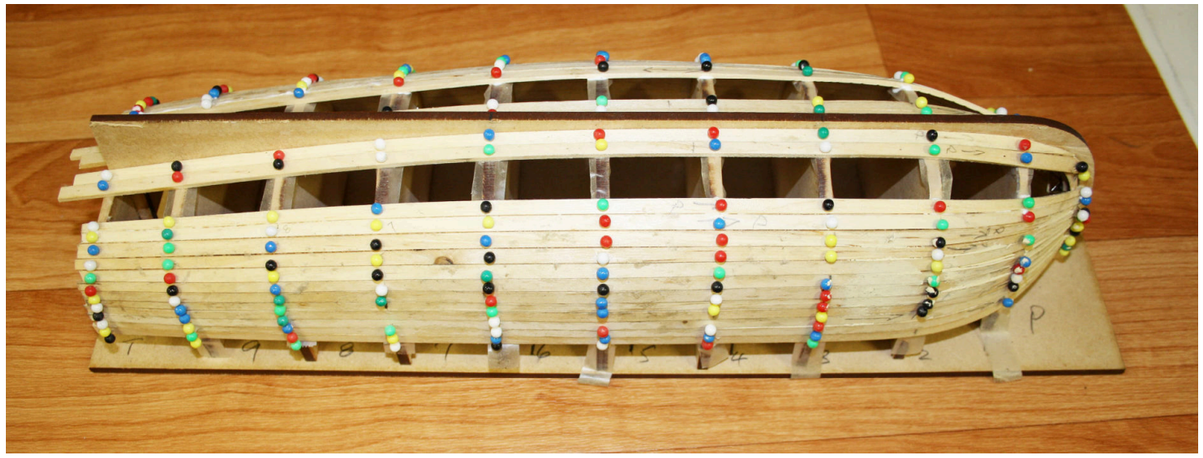
Before progressing on to complete planking Band B fit the garboard plank. This is the plank that is fitted against the keel. Place a temporary plank along the edge of the keel across the bulkheads. Use a brass strap to extend the path of the plank. Mark this path with a pencil Shape the plank to fit within the line against the keel. Fix in place.



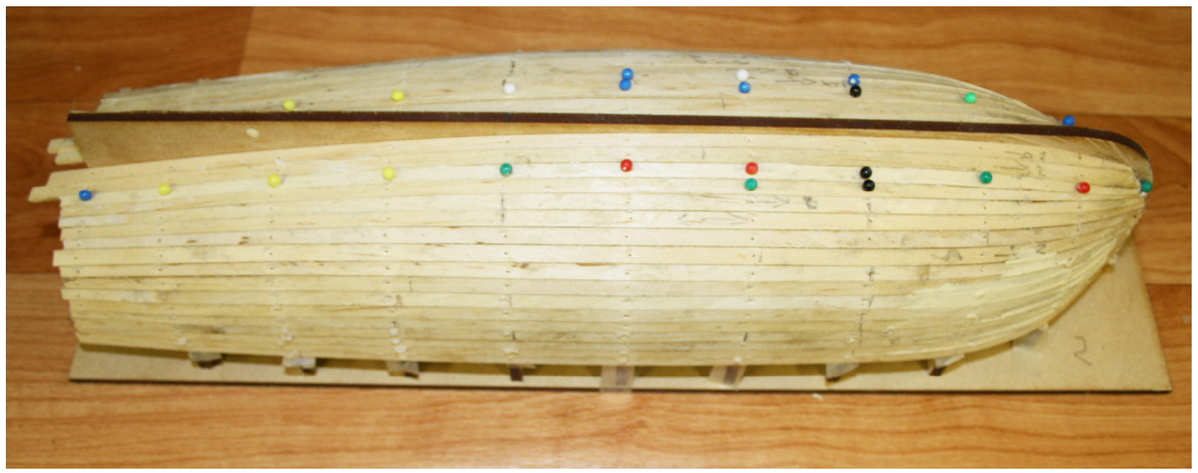


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Fit a second plank beside the garboard plank.



Continue now to close-up the gap between the bands - fractionally adjust the closing plank on each side to fit into the remaining gap.



Use a wood filler to fill any gaps in the hull. Use sandpaper to give the hull a smooth finish.



6.5 Washboards

The washboards are P15. Use a hand held plank bender to shape the washboard to fit around the bow. Fit & fix the washboards in place over the first plank fitted at the top of the hull.





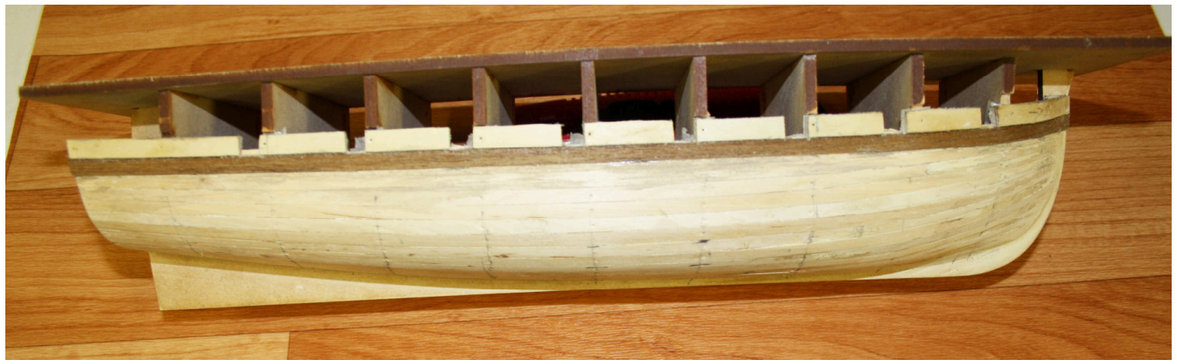
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6.6 Second Layer of Planking

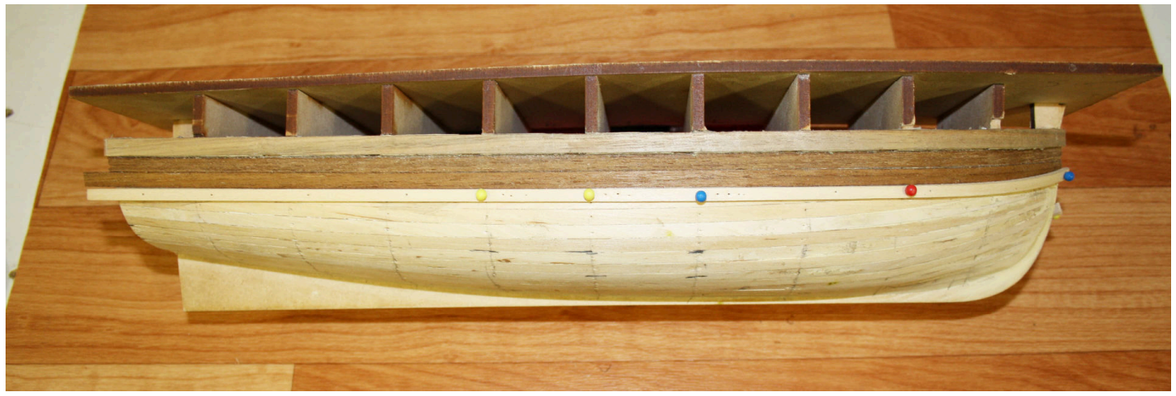
The second layer of planking is 0.6x5x400mm teak planks P16. Completing the second layer of planking is done slightly differently to the first layer of planking. As we progress the method will be shown clearly. As the second layer of planking is a veneer use a contact glue to fix them in place. Fix one plank immediately below the washboard. Do not taper this plank.

6.7 Rowlocks

Cut out the rowlocks slots as shown. Identify the washboard cover P17 - stain teak. Fit & fix these strips over the washboards.



Fit and fix a second teak plank in position immediately below the last plank. Use one of the spare planks P14 as a batten pin it in place below this teak plank - pin in place across the mid-boat area first and allow the plank to follow its natural path both fore and aft - pin it in place. You will notice that it lays over the teak plank at the bow. There may be some small overlap at the stern.





Using the batten as a guide trim off the overlap on the teak plank. Repeat for the other side of the hull.





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Identify the washboard trim P18. Fit & fix a length immediately below the washboards as shown.

Continue with the second layer of planking. As each teak plank is fixed in place fit the batten in place and to then trim off any overlap with the teak plank at the bow. As you progress you will find that some trimming will be also be needed at the stern.





Fit and fix the garboard plank. Fix a second plank adjacent to this plank. Continue with the second layer of planking using the approach described to taper the planks.





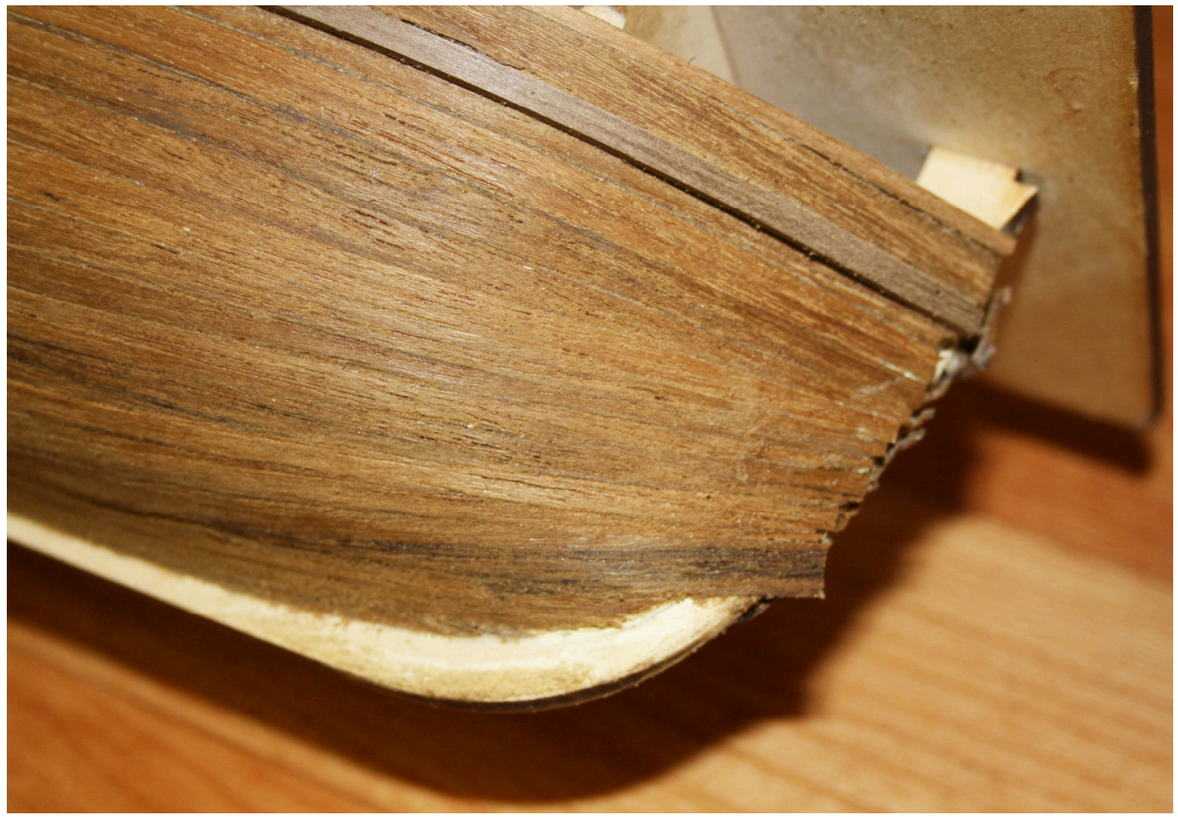


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Once both sides of the hull are completed trim-off any excess at the bow.



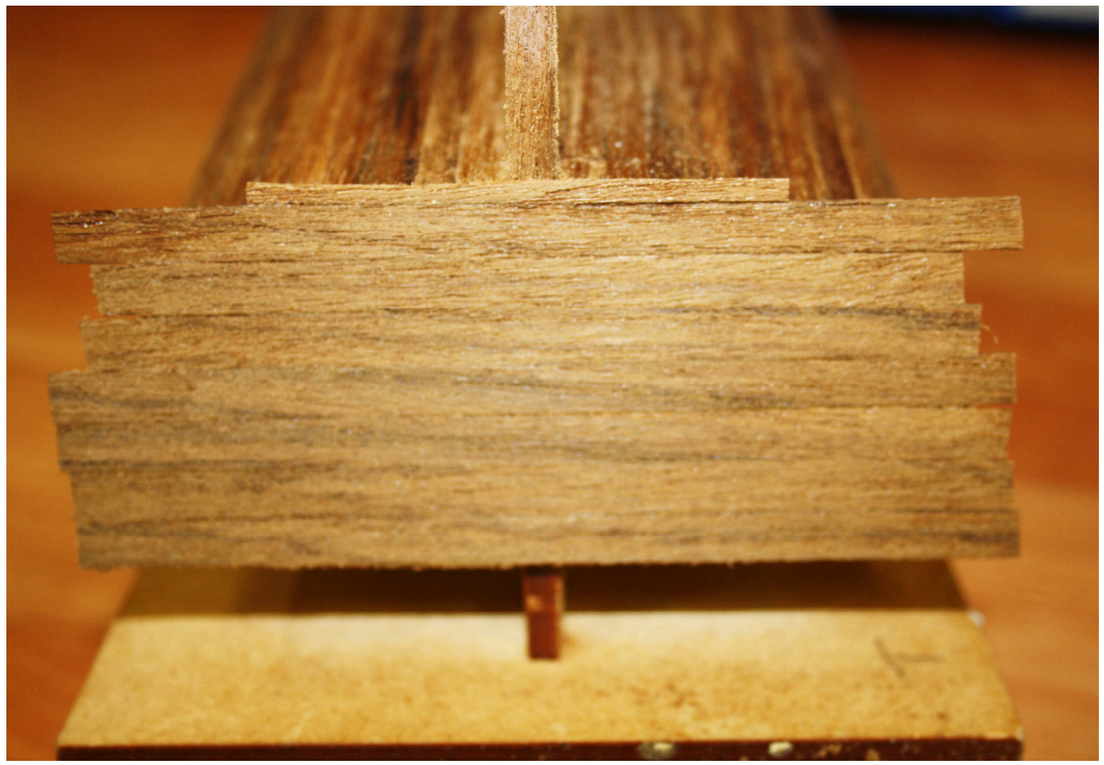


6.8 Keel & Stem Post

Identify the keel P19. Fit & fix in position. Identify the stem post P20. Fit and fix in position.

Continue now to complete the planking of the remainder of the hull. Plank the keel fully along with the stem post. Plank the transom and trim off any excess.





Next use a small wad of cotton wool enclosed in some cloth. Dip into a container of teak wood stain and wipe over the hull. Keep wiping until the stain has been absorbed into the timber.

Once dry apply 2 or 3 spray coats of clear satin or matt polyurethane varnish finish. Set aside to dry.

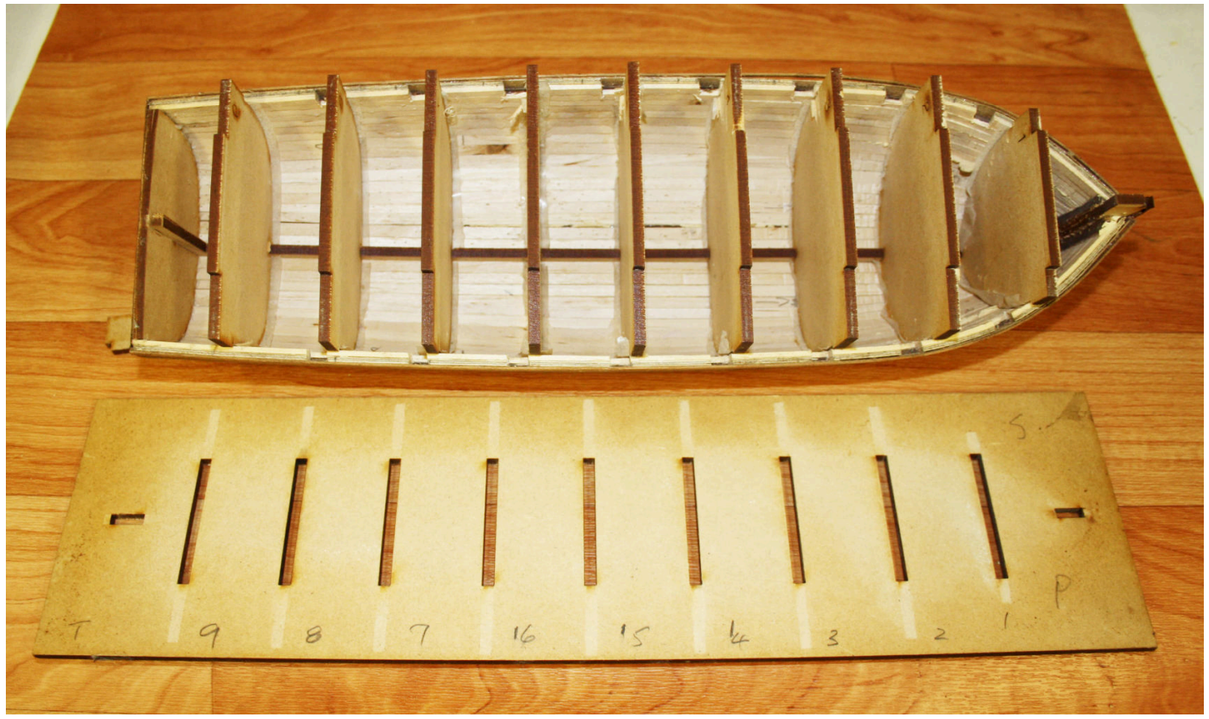
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7.0 Hull Preparation

The next step is to remove the hull from the bulkheads.

Carefully lift the keel pieces from the base board.

Then carefully remove each bulkhead from the hull shell.

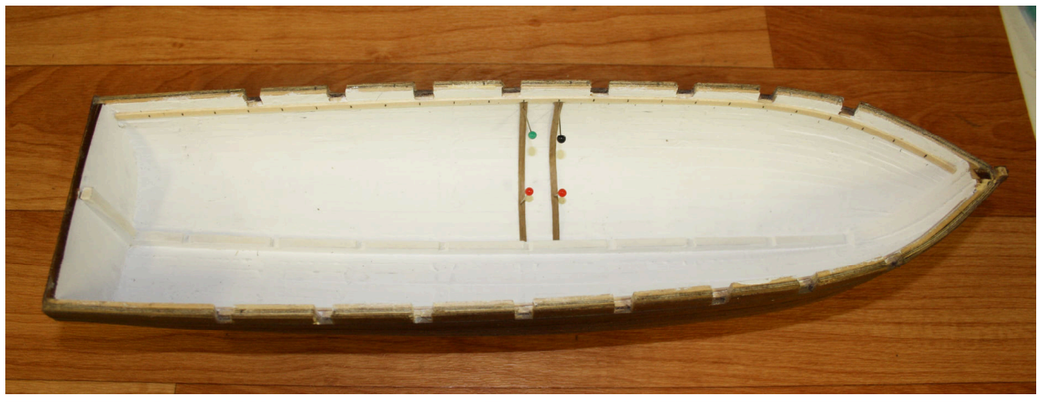


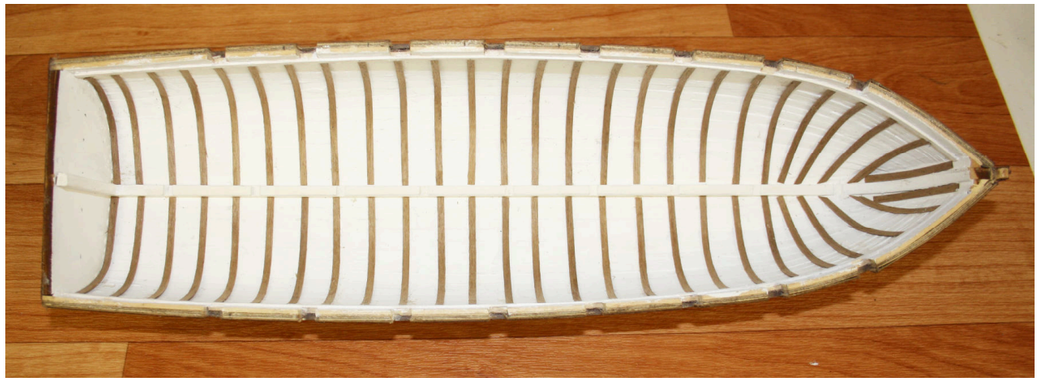


Use sandpaper to remove any glue and/or wood filler from the inside of the hull. Paint the inside of the hull white - a few coats of paint may be needed. Cut out the rowlocks. Identify the rowlock strips P21. Fit & fix these strips immediately below the rowlocks on the inside of the hull. Paint the rowlock strips white.



Identify the rib strips P22 - stain teak. The ribs fit between the keel and the underside of the rowlock strips. Each rib is fitted approximately 15mm apart. Start to fit them at the mid-boat area and progress fore and aft.





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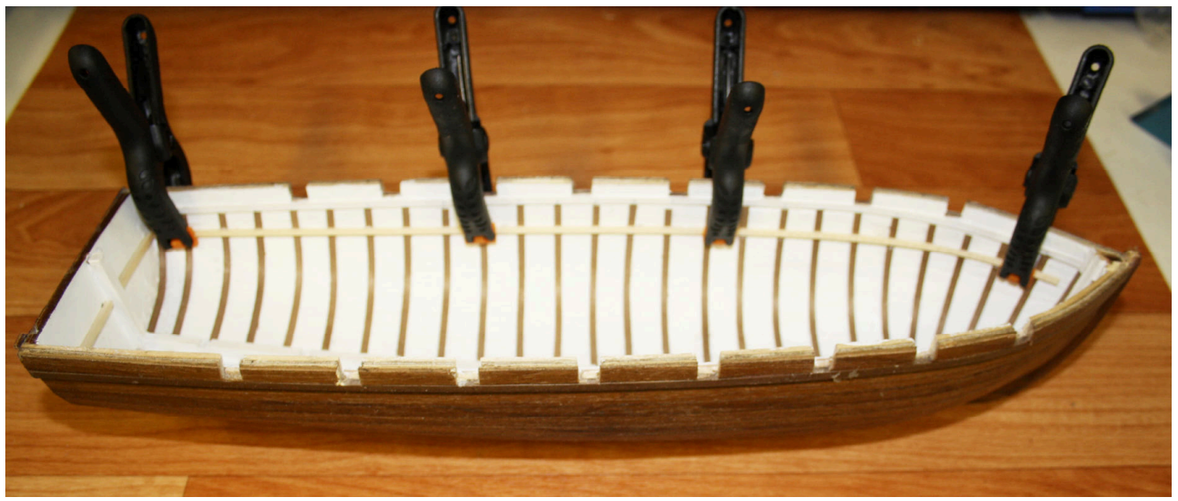
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8.0 Stern Bench & Thwart Shelf

Identify the thwart shelf P23A–B. Measure down 17mm from the top of the transom. Cut and fix two pieces of P23A in place as shown.

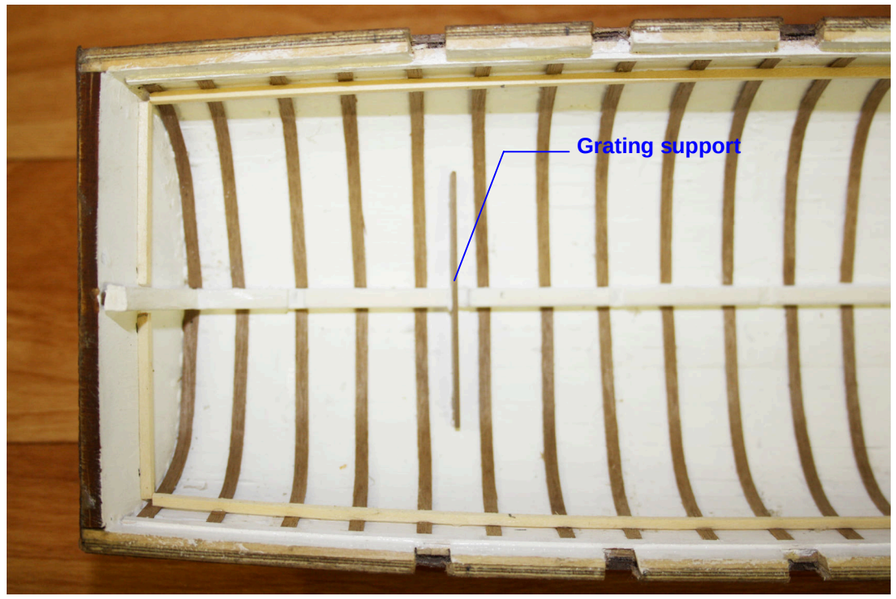


Measure down from the top of the washboard 20mm at the mid-boat frames. Use a plank bender to shape P23B to fit around the inside of the bow. Fit at the mid-boat area and allow to follow its natural course fore and aft. Align with the transom pieces previously fitted. Make sure the other side of the hull is a mirror image. Stain the thwart shelf teak if desired. Alternatively it can be painted white. Glue and clamp the shelf pieces in place as shown.



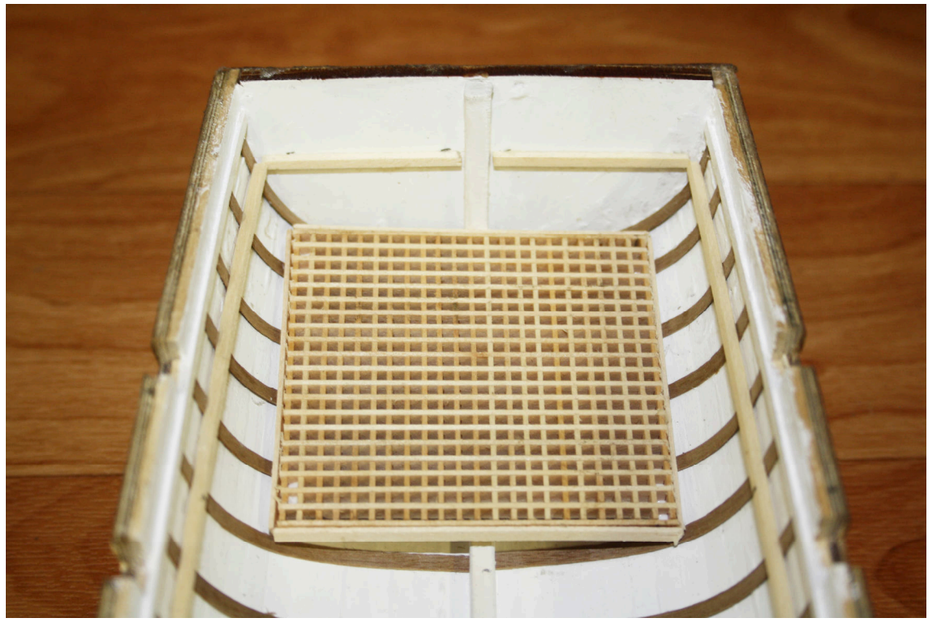
9.0 Grating Support

Identify the grating support P24. Fit & fix in position as shown.



10.0 Grating

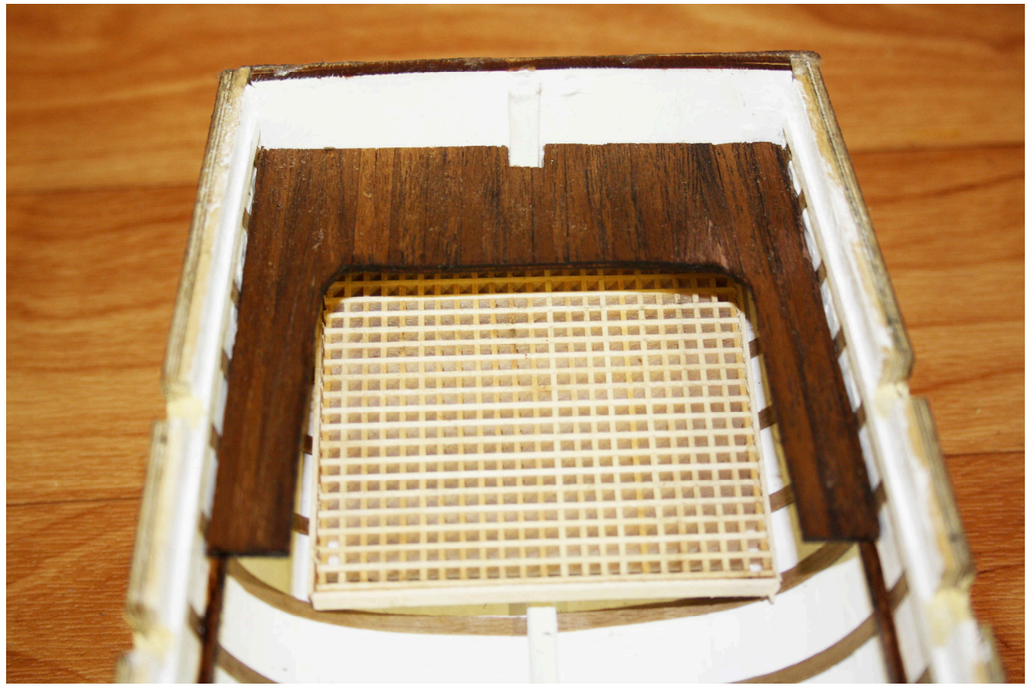
Identify the grating P25 Paint white or stain teak if desired. Identify the coaming P26 - cut lengths to fit around the grating edge - paint or stain as desired. Fix the coaming in place. Note the grating will have a slight downward slope from the transom once fitted in place.



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11.0 Stern Bench

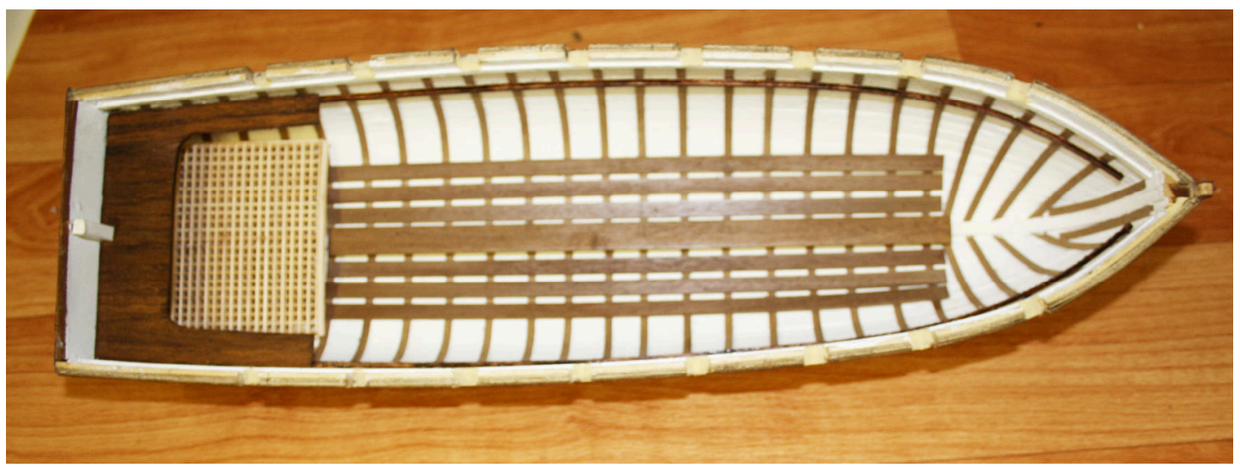
Identify the stern bench P27. Trial fit in place - fractionally adjust as required. Once satisfied plank the bench with the teak planks P16. Fix the stern bench in position as shown.



12.0 Keelson & Bottom Plates

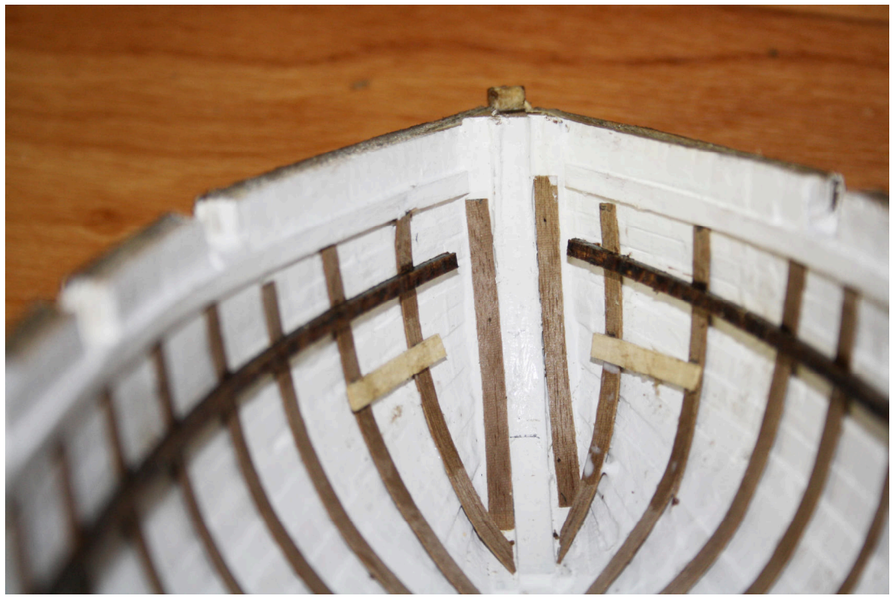
Identify the keelson P28 - stain teak or walnut. Trial fit in place on the inner keel as shown - fractionally adjust as required - once satisfied glue in place.

Identify the bottom boards P29 .- stain teak or walnut. Trial fit in place either side of the keelson as shown - fractionally adjust as required - once satisfied glue in place.



13.0 Bow Platform

Cut two 20mm lengths P23. Fit each length to the inside of the hull 28mm below the top of the washboard at the bow as shown..Identify the bow platform P30 - trial fit in place at the bow - fractionally as required. Plank with teak strips P16. Fix in place as shown.



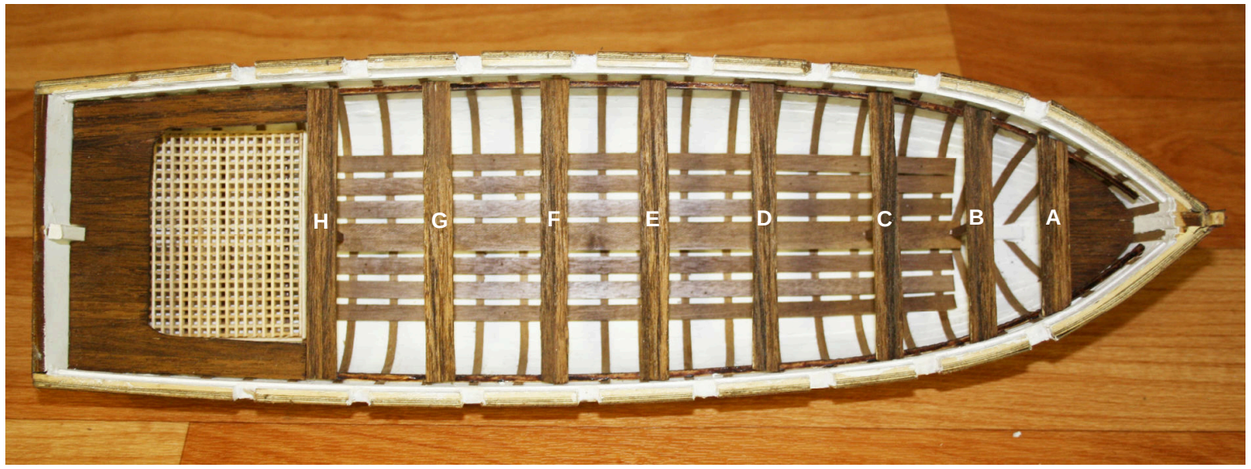


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14.0 Thwarts

Identify the thwarts P31A-H. Fractionally fit each in position on the shelf as shown - once satisfied plank with teak planks P16. Fix in position along the thwart shelf as shown.



15.0 Thwart Pillars

Identify the thwart pillars P32. Cut lengths to fit between the keelson and the underside of each thwart. Fit & fix in position as shown.



16.0 Cap Rails

Identify the cap rails P33A-B. Trial fit 33A across the top of the transom - fractionally adjust as required - once satisfied glue in place. Trial fit 33B in position around the top of the hull across the rowlocks as shown - fractionally adjust as required - once satisfied glue in place.



Use a small piece of cap rail to fit a corner at the bow joint of the cap rails.



17.0 Rowlocks

Cut through the cap rails as shown to create the rowlocks. Use a golden oak wood stain to finish the cap rails. Sand lightly to create an aged appearance.



18.0 Stem post head

Identify the stem head P34. Fix in position at the top of the stem as shown. Stain teak.

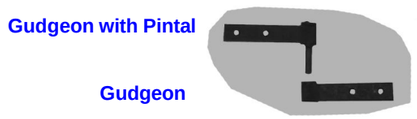


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19.0 Rudder and Tiller

Identify the rudder P35 - stain teak. To make the tiller identify the 3mm x 100mm dowel P45 - cut a length to 60mm and a second length to 10mm - shape the 60mm length as shown and stain both teak.. Drill a 1.5mm hole through the top of the rudder head. Drill additional holes into the centre of the two tiller pieces as shown. Use a 15mm length of 1.5mm brass wire P36 and fit and fix the tiller to the rudder. Identify the rudder hinges P37 - fit together as shown. Identify the brass nails P38 - use nails to attached assembled hinges to rudder post to the rudder with brass nails P38 as shown. Clamp rudder in place and shape hinges to fit against the transom and keel as shown - use brass nails to fix gudgeon in place.



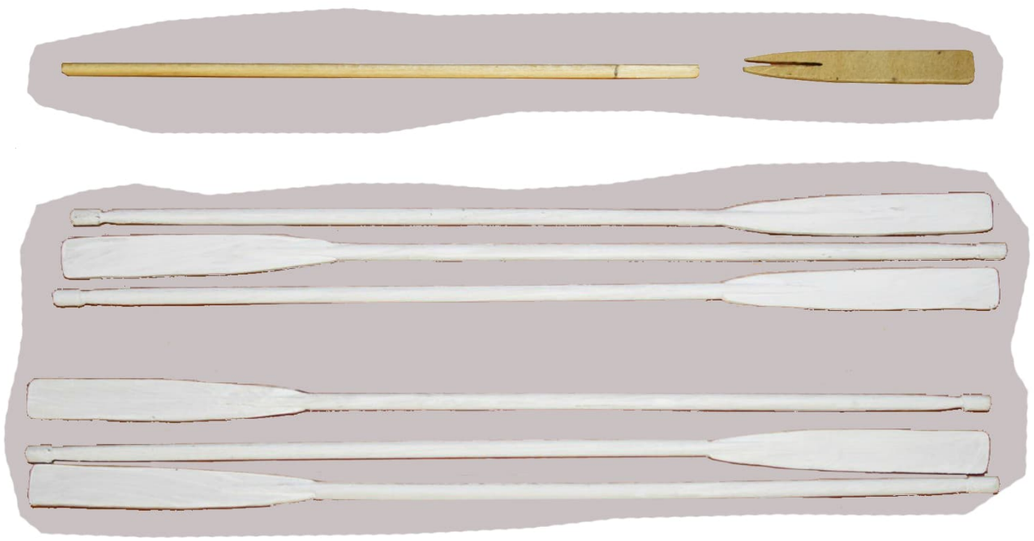






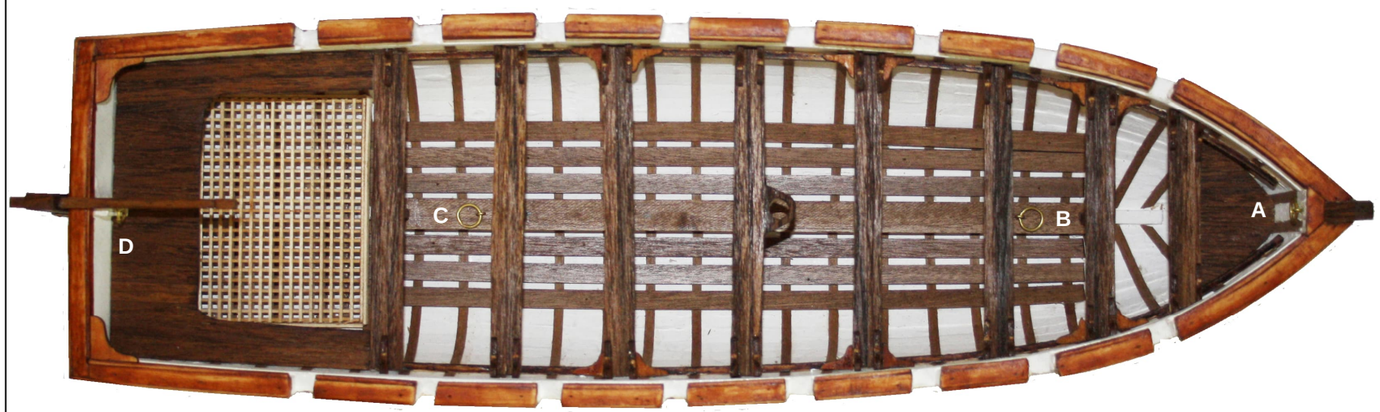
20.0 Oars

Identify the oar blades are P39. Identify the 3mm dowel P46. Cut 6 x 150mm lengths. Shape one end of each to fit into the blade slot. Shape the loom end of the oar as shown. Paint the oars white.



21.0 Lifting Rings

Identify the eye pins P40 and the 8mm brass rings P41. Fix the eye pins with ring attached at points A, B, C & D as shown.



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22.0 Stern Knees

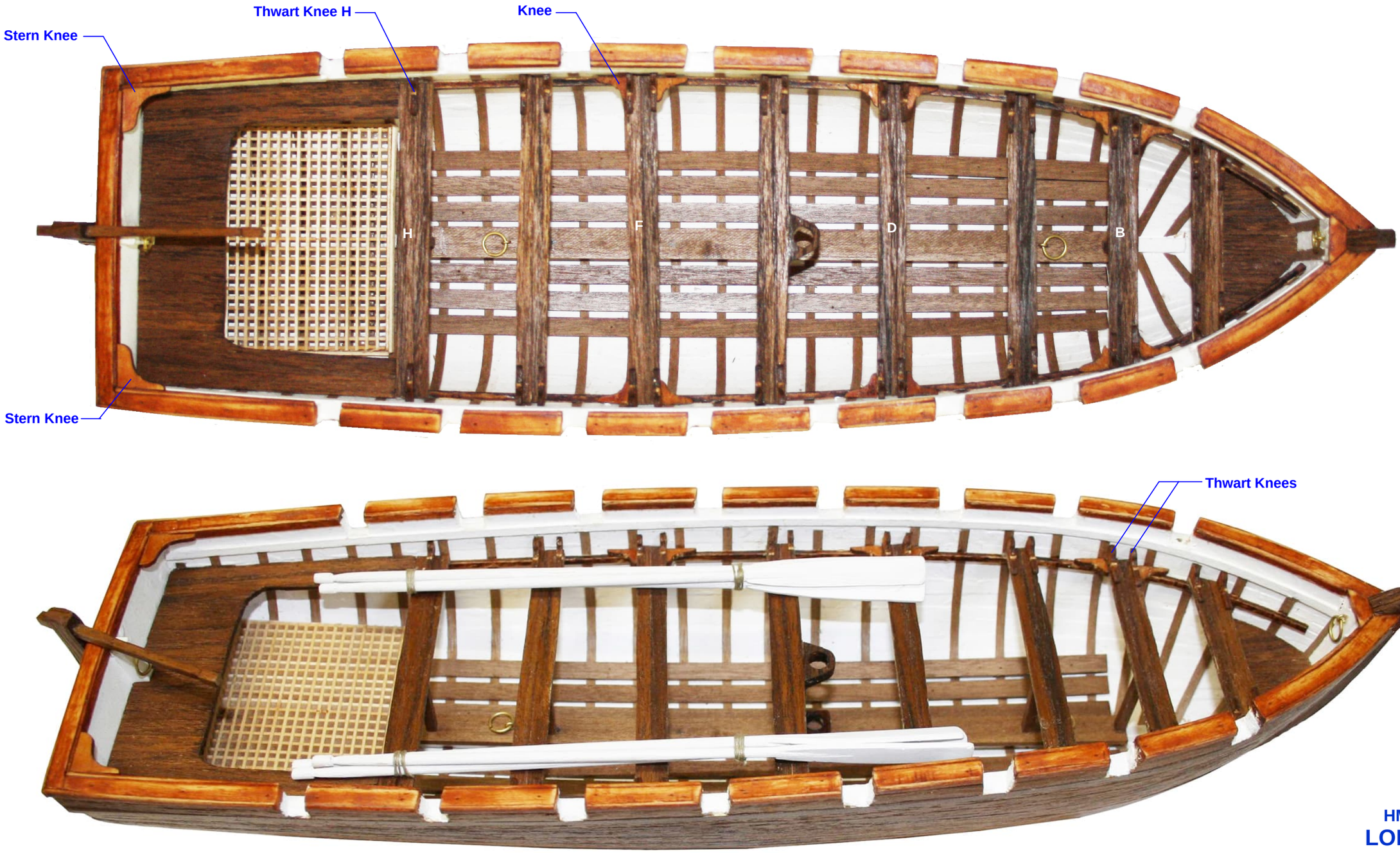
Identify the stern knees P42. Trial fit - fractionally adjust as required. Fix in place as shown.

23.0 Knees

Identify the knees are P43. Note the knees are fitted to thwarts B, D & F. Trial fit - fractionally adjust as required Fix in place as shown.

24.0 Thwart Knees

Identify the thwart knees P44. Note that on thwart H there is 1 thwart knee fitted centrally on the thwart. Trial fit - fractionally adjust as required Fix in place as shown.



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25.0 Masting & Rigging

25.1 Mast, Bowsprit, Boom & Gaff

Identify the dowels P47, P48 & P49 to make the mast, boom, bowsprit and gaff. Using the dimensions given in below make each part.
Fit the boom yoke P54 to the boom - lash the yoke with 0.5mm grey cord P50 as shown.
Fit the gaff yoke P55 to the gaff. Lash the yoke with 0.5mm grey cord P50 as shown.
Identify the mast step P56.

Use a cloth to wipe a golden oak stain over these parts.

NOT TO SCALE

Mast - 6mm dowel P49. length 380mm & taper to 3.5mm



Boom - 5mm dowel P48 Length 250mm & taper to 4mm



Bowsprit - 5mm dowel P48. Length 200mm & taper to 3.5mm



Gaff - 4mm dowel P47. Length 80mm & taper to 3mm





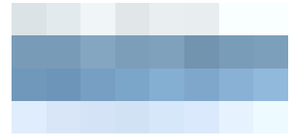
Mast Step P56

25.2 Mast Step

Identify the mast step P56. The foot of the mast fits into the mast step as shown. Fit the mast in place to locate the mast step. Next fit & fix the mast in position ensuring it is vertical in both fore & aft and port and starboard directions



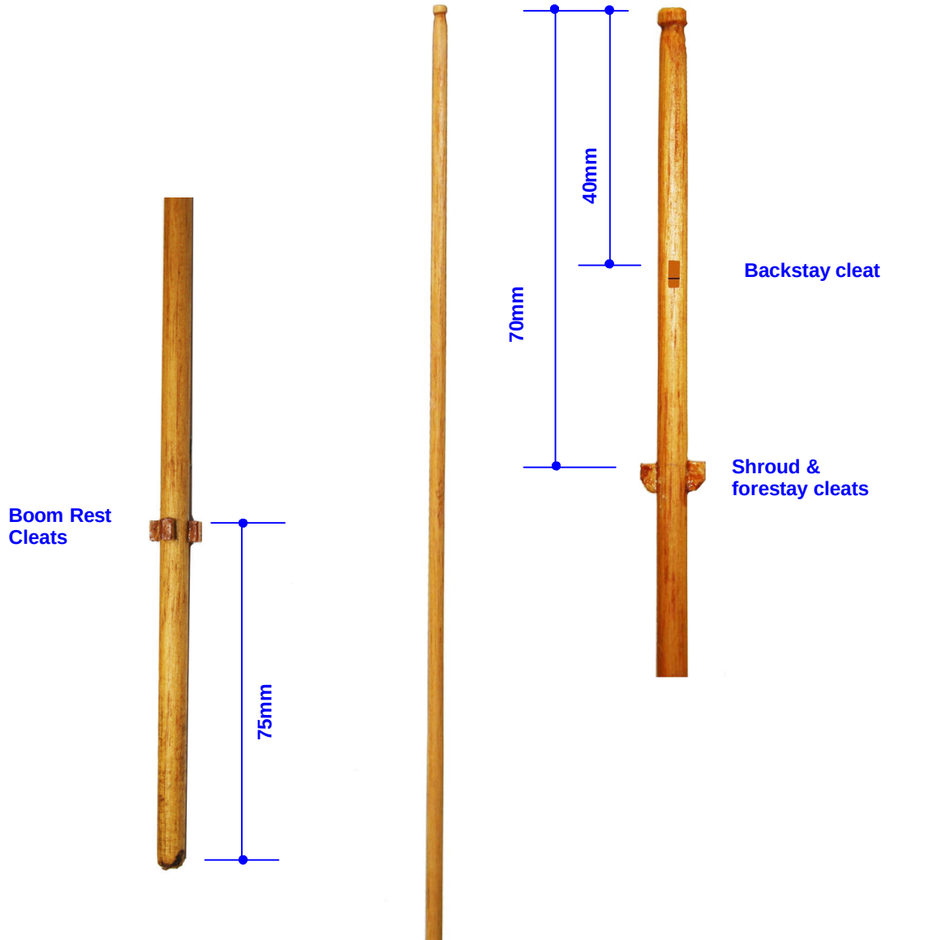
25.3 Boom Rests, Shroud & Stay Blocks



Identify the mast cleats P57. Fix 3 boom rest cleats 75mm from the base of the mast - one aft, one port and one starboard side as shown

Fix the shroud and forestay cleats 70mm from the top of the mast. Place one cleat on the port side and the other on the starboard side of the mast.

Fix the backstay cleats 40mm from the top of the mast. Place one block on the aft side and the other block on the fore side of the mast





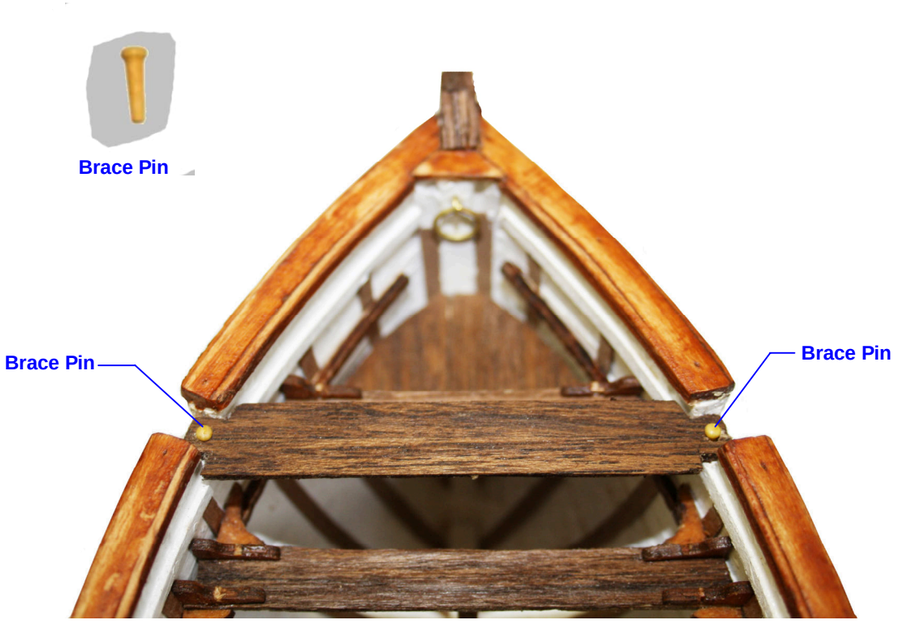
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25.4 Bowsprit Brace

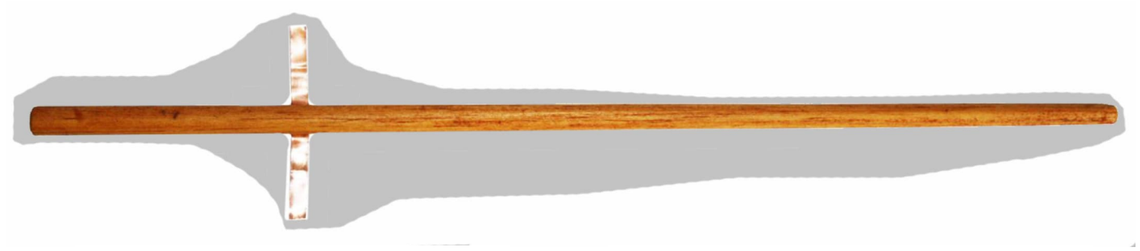
Identify the bowsprit brace P58. Plank with teak timber strips P16. Cut 2 x 6mm lengths of 3mm dowel P46 - shape as shown to make brace pins. Trial fit brace in place - fractionally as required. Drill holes to accept the brace pins and glue in place as shown





25.5 Bowsprit Strap

Identify the bowsprit strap 3x40mm copper P59. Fit the strap around the bowsprit to determine the strap shape. Fit & fix the strap in place at the side of the stem head using two brass nails P38 as shown..





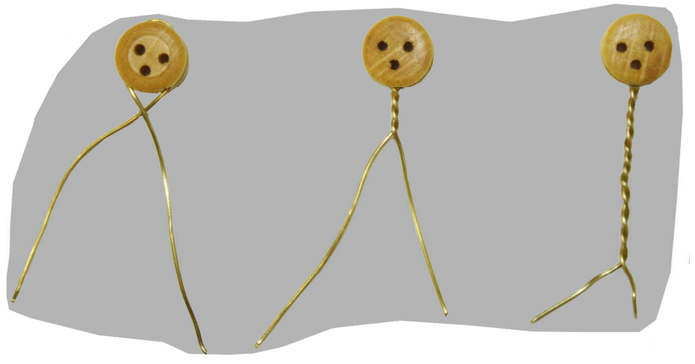
25.6 Bowsprit

Fit the bowsprit in place and lash to the brace with 0.75mm grey cord P52.



25.7 Deadeye Chain Straps

Identify the 0.5x400mm brass wire P63. Cut into 4x75mm lengths. Identify the 7mm deadeyes P62. Take a length of the cut brass wire and wrap it around a deadeye and twist the wire as shown. Complete the 4 deadeye chain straps. Put aside to be used later.



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25.8 Chain Straps & Lower Deadeyes

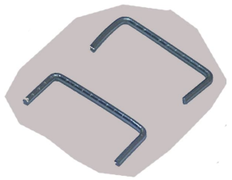
Use a 1mm drill to fit the chain straps & lower deadeyes as shown.



25.9 Shrouds

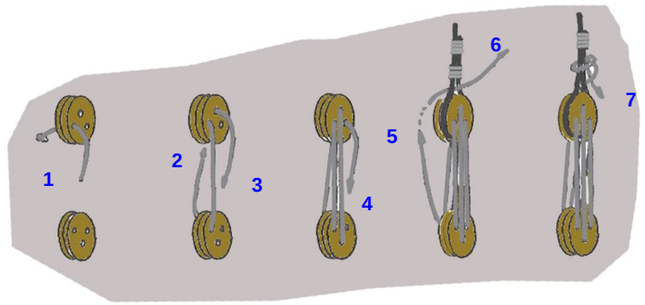
Identify the 1.25mm grey cord P53 for the shrouds. Cut two lengths of the cord and attach to mast a shown. To ensure the upper & lower deadeyes for the shrouds are an equal distance apart make a deadeye spacer jig as shown. Attach the jigs to the dead-eyes and wrap the loose end of cord around a deadeye P62 - the jig will hold the deadeyes in place - lash the excess cord to the shroud as shown using 0.5mm grey cord P51. Use the same cord P51 as the lanyard to reeve the upper and lower deadeyes to-gether - follow the sequence as shown.

25.9.1 Deadeye Spacer Jig is a piece of pliable steel wire (paper clip) bent at right angles at each end - long enough to fit into and hold the upper and lower deadeyes. Make the distance between the two bends approximately 20mm.



Deadeye Spacer Jig





Sequence to reeve deadeyes

25.10 Forestay

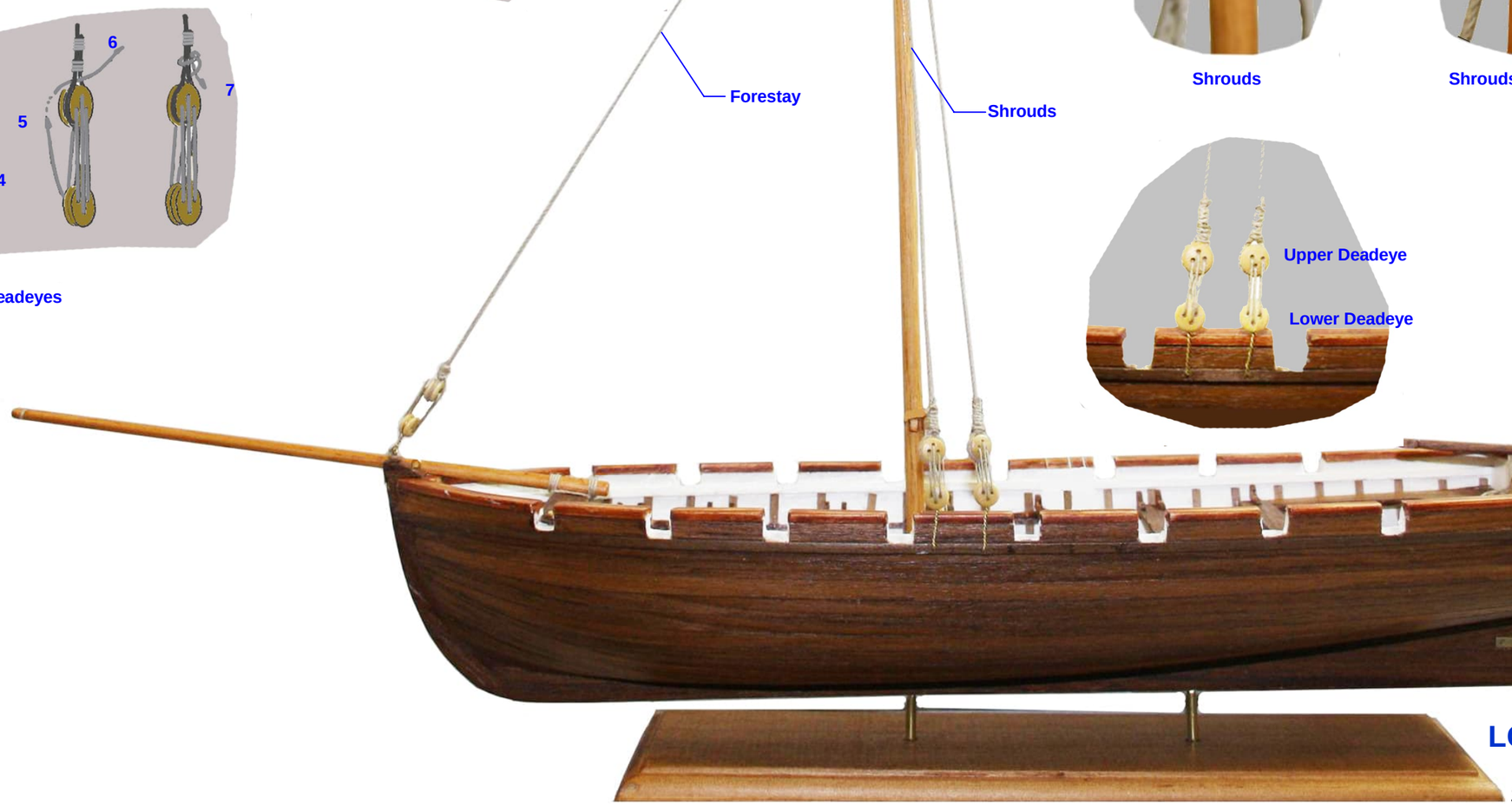
Fix an eye pin P40 to the stem head. Use a length of 0.5mm brass wire P63 to attach a deadeye P62. Cut a length of 1.25mm cord P53 - attach to mast as shown. Attach the jigs to the deadeyes and wrap the loose end of cord around a deadeye P62 - the jig will hold the deadeyes in place - lash the excess cord to the forestay as shown using 0.5mm grey cord P51. Use the same cord P51 as the lanyard to reeve the upper and lower deadeyes together - follow the sequence as shown.



Shrouds



Shrouds & Forestay



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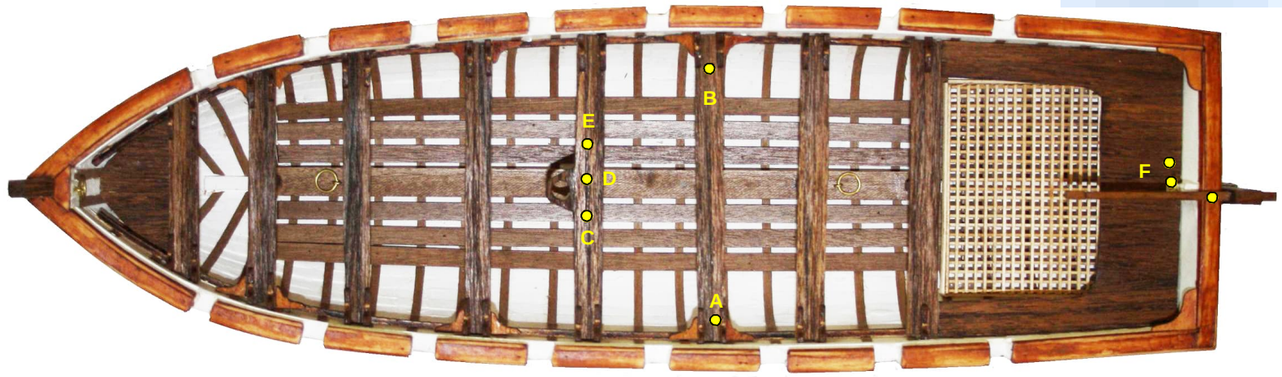
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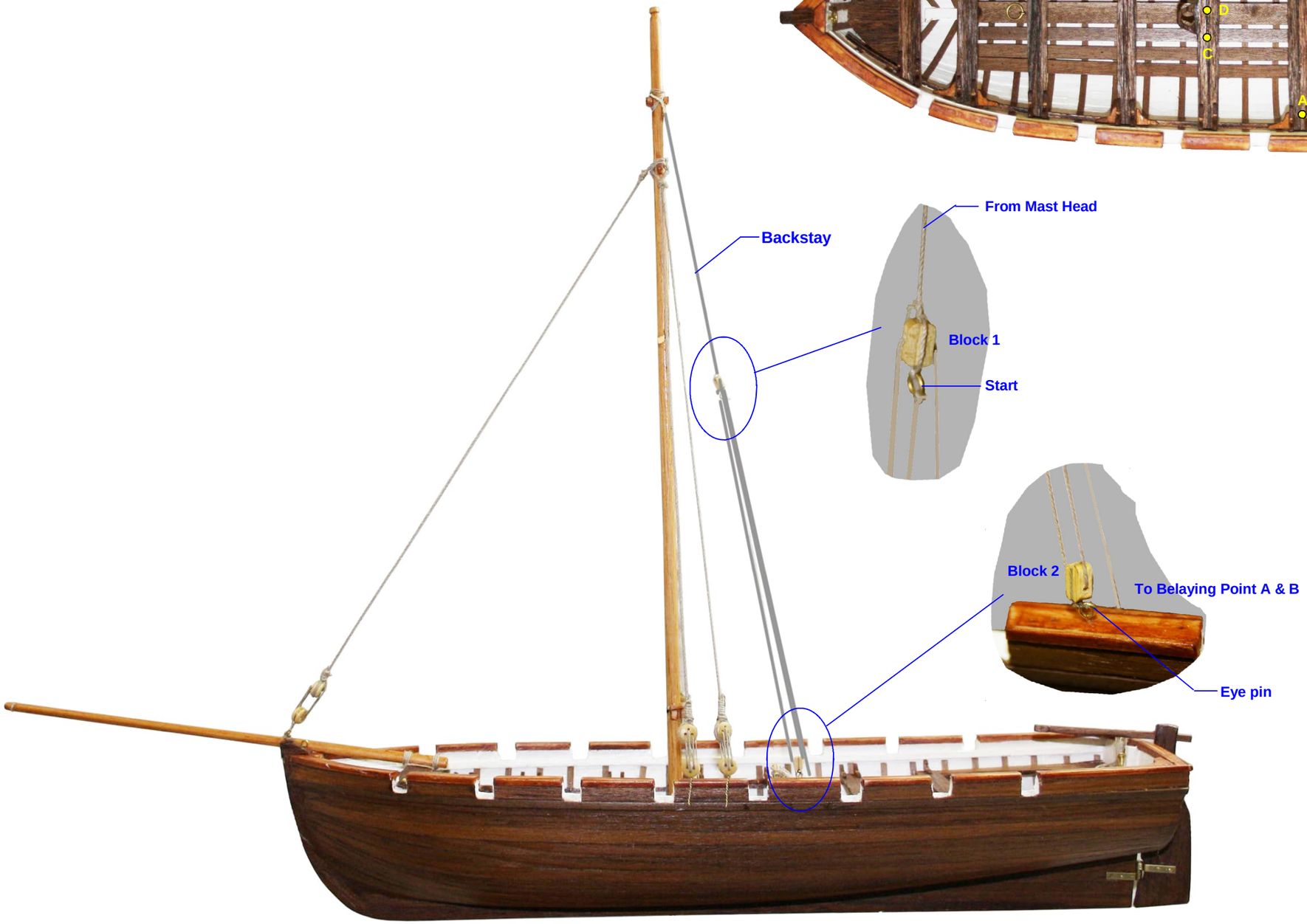
25.11 Backstays

The back stays are fitted to the port and starboard sides. Fit an eye pin P40 to the cap rail as shown. Tie a 5mm 1 hole block P60 - Block 2 to the eye pin.

Use 0.5mm cord P51 - tie off at the mast head and extend to a 5mm 1 hole block - block 1. Fit a 3mm brass ring P64 to this block as shown. Use 0.5mm cord and start at the ring and extend to Block 2. Pass through this block and return to Block 1. Return to the belaying points A & B for port and starboard sides respectively. Repeat for the other side of the model.

Belaying Plan





Belaying Points
A Port Backstay
B Starboard Backstay
C Throat Halliard
D Gaff Halliard
E Topping Lift
F Sheet

At each belaying point fit an eye pin P40 and drill a 1mm hole adjacent and fit a belaying pin P65.

Blocks: 5mm 1 Hole

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25.12 Boom & Gaff
Fit the parrals P66 to the yokes on the boom and gaff. Fit the boom and gaff to the mast as shown. Fit the cleat P67 35mm from the yoke end of the boom. Drill a 0.7mm hole 12mm from the end of the aft end of the boom. Fit a 5mm 1 hole block to the gaff yoke end as shown.

25.13 Mast Head Blocks
Fit a 5mm 1 hole block P60 and a 5mm 2 hole block P61 to the mast head as shown. Attach a 3mm brass ring to the block P61

25.14 Jib Stay & Foresail Stay
Use 0.5mm grey cord P51 run the jib stay from the mast head to the end of the bowsprit. Use the same cord run the foresail stay from the mast head to the stem head as shown.

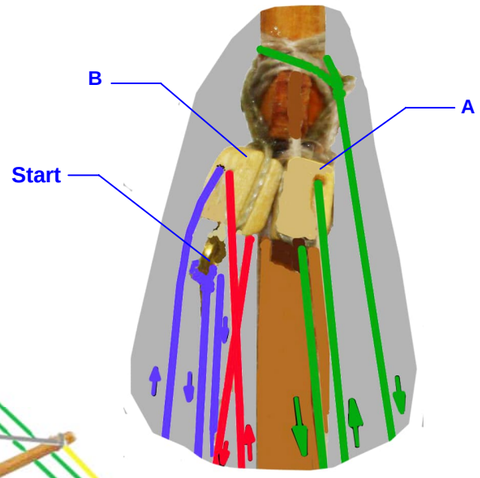
25.15 Gaff Halliard
Rig the gaff halliard as shown - use 0.5mm grey cord P51. Terminate at belaying point D.

25.16 Throat Halliard
Rig the throat halliard as shown - use 0.5mm grey cord P51. Terminate at belaying point C.

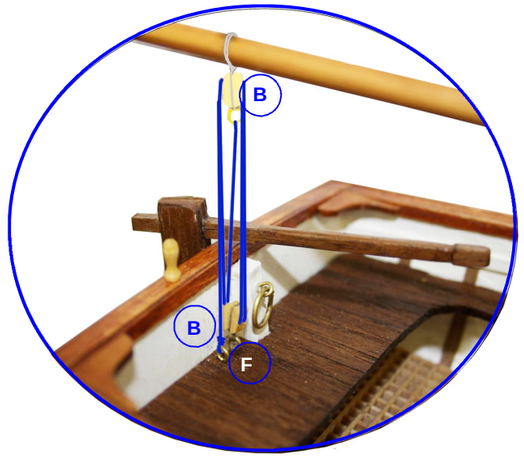
25.17 Topping Lift
Rig the topping lift - use 0.5mm grey cord P51. Terminate at belaying point E.

25.18 Gaff Lift
Rig the gaff lift as shown - use 0.5mm grey cord P51. Terminate at the cleat on the boom.

25.19 Sheet
Fit 2x5mm 2 hole blocks P68 as shown. Fit a 3mm brass ring to the block attached to the boom. Start to reeve the blocks from this ring with 0.5mm grey cord P51 and tie off at belaying point F.



Block Legend
A 5mm 1 hole
B 5mm 2 hole



Sheet

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26.0 Finishing Touches

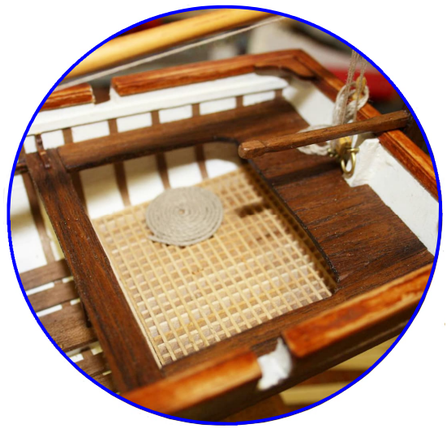
To add a touch of professionalism to your model use lengths of 0.75mm grey P52 to make rope coils to hang over the belaying pins and the boom cleat. Also use a length 1.25mm cord P53 to make a rope coil placed on the stern grating as shown.

Give your model a complete check over for completeness. Assemble the cradle for the model P68 & P69 - mount the model and proudly display the HMS *Sirius* 1786 Longboat.













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