

INTRODUCTION

Thank you for choosing our product. We hope you will find it entirely to your satisfaction and that you will have fun making this boat.

In all our products we use only the very best materials such as brass and various types of wood. Our objective is to deliver a product of the highest quality without forgetting that you are the "artist" and the final result depends on you.

You will require a few tools and different kinds of glue, paint and varnish which you will find in any model shop or do-it-yourself store. The best guide to help you is the box, so keep it handy while you are working on the boat.

HISTORY

In shipping and yachting history you will find the Canadian Schooner Bluenose is mentioned several times. She was launched in Nova Scotia in 1921, and was built as a fishingboat to operate in the rough waters off the coast of Newfoundland. Very soon her speed became apparent and she won all the great classic sailing races on the American east Coast. Just imagine a fishing boat which became the fastest yacht. Her fame was widespread and she was stamped on coins and printed on stamps.

Her glorious career was finished in 1946 on a reef near Haiti, but the memory about her is still going strong. So much so, that enough money was raised to launch an exact copy in 1964, The Bluenose II. Since then this boat has been a vivid and very fine symbol of bygone days.

SOME GENERAL PRACTICAL TIPS

-To bend the strips of wood, soak them in water to make them more flexible. Once they have been thoroughly soaked, you can bend them in various ways: with a 50 W soldering iron, a domestic iron, or by bending them over a jar or can and pegging them in place until they are dry.

-For gluing wooden parts, use white carpenter's glue.

-For gluing metal parts, use cyanocrylate instant glue.

-To cover up any imperfections in the wood, use nitrocellulose putty.

-Varnish: Filler or nitrocellulose lacquer.

-To thin the varnish, use universal or nitrocellulose thinner.

-Painting: Before painting you should make sure the surfaces are completely smooth. We recommend you go over the wood with special wood putty, leave it to dry, sand it with fine sandpaper and then apply several coats of paint. Remember to paint the parts before assembling them.

PAINT CHARACTERISTICS:

ACRYLIC PAINT

Non-toxic in normal use.

Solvent free. Non-flammable.

Clean brush with water.

INSTRUCTIONS

PHOTO 1

Glue the after deck, no. 2, onto the hull, no. 1, and adjust the outlines of both parts. Draw a line along the centre of the decks and glue a planking strake, no. 3, on each side of the line. Continue adding strakes on either side until the decks are completely covered. Trim and sand anything left hanging over.

PHOTO 2

Glue on the step, no. 4, and adjust it. Repeat the operation with the main deck stringers, no. 5, making sure they protrude slightly at the stem to give the bulwarks an angle. Glue on the after deck stringers, no. 6, and the stern stringer, no. 7, between them.

PHOTO 3-4-5

Fit the bulwarks, no. 8, from stem to stern, glue them on and secure with the nails, no. 9. Glue on the transom stern, no. 10, and once the assembly is dry, sand it down to make it even. Make a 3 mm hole above the planking strakes at the stern to take the bowsprit.

PHOTO 6-7-8

Trim and glue on the sternpost, no. 11, as shown in the elevation plan. Moisten one end of the strip no. 12 to make it more flexible and adapt it to the stem. Once you have done this, glue and nail it to the hull and onto the sternpost. Glue the rudder blade, no. 13, onto the sternpost and decorate with the hinges no. 14.

PHOTOS 9

Glue on the stanchions, no. 15, as shown in the ground plan, cut off whatever is left over and adjust them to fit the bulwarks. Glue the gallant rails, no. 16, onto the bulwarks and the stern gallant rail, no. 17, onto the transom stern.

PHOTOS 10-11

Glue on the upper bulwarks no. 18 and no. 19 making sure they come flush up to the inside of the gunnels. Repeat the operation with the curves no. 20. At the stern, trim and glue on the pinrail no. 21 between the upper bulwarks. Glue the upper gallant rails no. 22 and the aft gallant rail no. 23 onto the bulwarks.

PHOTOS 12

Glue on the guard rails no. 24 from fore to aft along the join between the bulwarks and the hull.

PHOTO 13

File the bowsprit no. 25 to give it a conical shape. Make a hole in the prow to take the bowsprit. Sand the bowsprit and glue it into the hole as shown in the ground plan.

Glue the reinforcements no. 26 against the bulwarks. Glue the fairlead no. 27 on the bowsprit and the guard no. 28 on the fairlead.

PHOTOS 14

Use a 4 mm bit to drill the holes to take the masts. The holes should be about 1 mm deep.

Cut the pinrails nos. 29 and 30. Use a 1.5 mm bit to drill the holes for the belaying pins. Sand them and glue them as shown in the ground plan.

At this point, fill in any gaps with putty and sand and varnish the whole assembly.

PHOTOS 15

Glue the supports no. 31 and the crosspiece no. 32 together. This gives you the stand to mark the water line and you can now paint your model.

PHOTO 16

Shape the davits. Flatten the shorter end and make a hole in it. Drill the stringers (ground plan) and glue the davits in the holes.

Check the position of the adornments no. 34 and drill the hawseholes with a 2 mm bit. Glue on the adornments and the nameplates no. 35.

PHOTO 17

Glue on the propellers no. 36 and the shafts no. 37 and paint them. Drill holes in the hull using a 0.8 mm bit and glue the shafts onto their supports.

PHOTO 18

Glue the bodies no. 42 against the brake no. 41 and then glue this assembly between the sides no. 43. Also fit the drums no. 44. Cut the reinforcement no. 45 and attach it to the sides. Lastly, fit the column no. 46 on the brake drum.

PHOTO 19

Glue the roof no. 48 onto the sloping side of the hood no. 47. Join together two parts to make the covers no. 49 and glue them on in the centre of the roof. Glue the door no. 50 onto the front.

PHOTO 20-21

Join the parts nos. 51 and 52 to make the cabin. Slightly bevel the corners and sand. Glue on the roof no. 53 and trim it. Using a 2 mm bit, drill holes to take the portholes no. 54. Lastly glue on the fanlights n. 55, the companion lid no. 49 and the door no. 50.

PHOTO 22

Cut out the knightheads no. 39 and the reinforcement no. 40, glue them together and sand them.

Glue together the parts no. 56 to make a U-shaped pin rail. Attach the columns no. 57 and make holes to take the belaying pins no. 91.

Make a hole in the rudder housing no. 59 (towards the bottom of the bevelled side) and glue on the wheel no. 60.

PHOTO 23-24

Give the roof no. 53 the correct shape on the cabin no. 58 and cut off anything left over. Drill holes for the portholes no. 54 and glue them in place together with the fanlight no. 55, the companion lids no. 49 and the doors no. 50.

PHOTO 25

Varnish as indicated and glue the parts onto the deck (see ground plan). Using a 2 mm bit drill holes for the rivets no. 54, the air shafts no. 61 and the dewatering pumps no. 62.

PHOTO 26

Shape the chainplates no. 63 with the deadeyes no. 64. Using a 0.8 mm bit, drill holes in the sides of the hull (see elevation plan) and take measurements for bending the tips of the chainplates. Insert them in the drillholes and glue them in place.

PHOTO 27

Glue the stock no. 66 in the lower hole in the anchor no. 65 and tie on the rope no. 67. Make four 1 mm holes in the bowsprit fairleads, thread the ropes through and nail them in place below the davits. Glue the anchors to the gunnels, thread the ropes through the hawseholes, wind them three times round the windlass and fix them inside the rivets.

PHOTO 28

Fix the partners frame no. 71 for the masts nos. 69 and 70, fit and glue the pin rails no. 72 onto the foremast only, drill holes in them using a 0.8 mm bit and attach the belaying pins no. 73.

PHOTO 29-30

Glue on the bibbs no. 74 (see mast plan). Then glue the cross-trees no. 75 onto the bibbs. Glue the cap no. 76 at the top of the mast making sure the holes to take the topmasts nos. 77 and 78 are properly aligned. Do not forget to give them a conical shape before gluing them on. Fix the block no. 80 and the double blocks no. 81 using the eyebolts no. 38 and the eyes no. 82 as shown in the mast plan. Fix the masts in their respective drill holes.

PHOTO 31

Using a file and sandpaper, shape the gaffs and booms nos. 83, 84, 85 and 86. Cut out and glue on the spanker boom jaws no. 87, shape the parts and drill them. Shape the parrels no. 88 but do not glue them until you fit them on the masts.

PHOTO 32

Use the thread no. 67 to make the shrouds and tie a deadeye no. 64 at the end of each one. Take a length of thread no. 68 and put some glue on one end to stiffen it so that it is easier to thread through the holes. Tie a knot at the other end and make the lanyards as shown in the plan. Tie the small shrouds on at the top of the topmasts, glue the other ends onto the crosstrees and cut off whatever is left over.

Fit the gaffs and spankers on their respective masts.

PHOTO 33

Cut out and glue on the rigid ratlines of the foremast no. 89 and the mainmast no. 90. Cut several lengths of the thread no. 68 and glue on the ratlines up to about two inches (5 cm) from the crosstree. Once they are dry, cut off the tips.

PHOTO 34-35-36-37-38

Assembling the masts and spars: Fit the remaining fixed items (eyebolts, blocks, pulleys, etc.).

Using the template provided with the kit, cut out and sew the sails.

In order to assemble the rigging (threads) we recommend to follow the step-by-step illustrations in the plan and the photos of the masts and spars.

LIST OF PARTS

| <u>PART No.</u> | <u>NAME</u> | <u>BAG No.</u> | <u>MATERIAL</u> | <u>MEASUREMENTS</u> | <u>QUANTITY</u> |
|-----------------|---------------------------|----------------|-----------------|---------------------|-----------------|
| 1 | Hull | | Ayous | | 1 |
| 2 | After deck | | Plywood | 2 mm | 1 |
| 3 | Deck planking | | Mukaly | 0.5x5x300 | 10 |
| 4 | Step | | Sapelly | 2x2x53 | 1 |
| 5 | Main deck stringers | | Sapelly | 2x1x160 | 2 |
| 6 | After deck stringers | | Sapelly | 2x1x130 | 2 |
| 7 | Stern stringer | | Sapelly | 2x1x32 | 1 |
| 8 | Bulwarks | | Plywood | 2 mm | 2 |
| 9 | Nails | 1 | Brass | | 50 |
| 10 | Transom stern | | Plywood | 2 mm | 1 |
| 11 | Sternpost | | Plywood | 3 mm | 1 |
| 12 | Keel | | Ayous | 3x3x270 | 1 |
| 13 | Rudder blade | | Plywood | 3 mm | 1 |
| 14 | Hinges | 1 | Brass | | 4 |
| 15 | Stanchions | | Sapelly | 1x1x6 | 50 |
| 16 | Gallant rails | | Ayous | 3x1x300 | 2 |
| 17 | Stern gallant rails | | Ayous | 3x1x28 | 1 |
| 18 | Upper bulwarks | | Ayous | 2x2x150 | 2 |
| 19 | Stern upper bulwark | | Ayous | 2x2x28 | 1 |
| 20 | Gunwale curves | | Ayous | 3x1x2 | 2 |
| 21 | Aft pinrail | | Plywood | 2 mm | 1 |
| 22 | Upper gallant rails | | Ayous | 3x1x154 | 2 |
| 23 | Aft gallant rail | | Ayous | 3x1x30 | 1 |
| 24 | Guard rails | | Ayous | 1x1x270 | 2 |
| 25 | Bowsprit | | Ramin | Ø 3x110 | 1 |
| 26 | Bow reinforcement | | Sapelly | 2x1x25 | 2 |
| 27 | Fairlead | | Ayous | 1x1x26 | 1 |
| 28 | Fairlead guard | | Ayous | 3x1x28 | 1 |
| 29 | Fore pinrails | | Sapelly | 3x1x15 | 2 |
| 30 | Side pinrails | | Sapelly | 3x1x35 | 4 |
| 31 | Stand supports | | Plywood | 3 mm | 2 |
| 32 | Stand crosspiece | | Ramin | Ø 4x85 | 1 |
| 33 | Davits | 4 | Brass | Ø 0.8x18 | 2 |
| 34 | Hawsehole adornment | 1 | Brass | | 2 |
| 35 | Nameplate | 1 | Brass | | 2 |
| 36 | Propeller | 1 | Cast iron | | 2 |
| 37 | Propeller shaft | 4 | Brass | Ø 0.8x20 | 2 |
| 38 | Eyebolts | 1 | Brass | | 14 |
| 39 | Bowsprit knightheads | | Sapelly | 2x2x12 | 2 |
| 40 | Knighthead reinforcements | | Ayous | 3x3x8 | 1 |
| 41 | Windlass brake | 1 | Brass | | 1 |
| 42 | Windlass body | 1 | Boxwood | | 2 |
| 43 | Windlass sides | 1 | Sapelly | | 2 |
| 44 | Drums | 1 | Brass | | 2 |
| 45 | Reinforcement | | Sapelly | 1x1x19 | 1 |
| 46 | Pawl upright | | Sapelly | 2x2x10 | 1 |
| 47 | Hood | 4 | Sapelly | | 2 |
| 48 | Hood roof | | Mukaly | 0.5x5x12 | 6 |
| 49 | Companion lid strips | | Sapelly | 3x1x7 | 10 |
| 50 | Doors | | Mukaly | 0.5x5x7 | 5 |
| 51 | Cabin body | 4 | Sapelly | 8x20x14 | 2 |

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| <u>PART No.</u> | <u>NAME</u> | <u>BAG No.</u> | <u>MATERIAL</u> | <u>MEASUREMENTS</u> | <u>QUANTITY</u> |
|-----------------|-----------------------|----------------|-----------------|---------------------|-----------------|
| 52 | Central cabin body | 4 | Sapelly | 8x5x14 | 1 |
| 53 | Cabin roofs | | Mukaly | 0.5x5x38 | 10 |
| 54 | Rivets | 2 | Brass | | 16 |
| 55 | Fanlight | 4 | Sapelly | | 4 |
| 56 | Pin rails | | Sapelly | 1x3x12 | 3 |
| 57 | Pinrail uprights | 2 | Boxwood | 6 mm | 4 |
| 58 | Aft cabin | 4 | Sapelly | | 1 |
| 59 | Rudder housing | 4 | Sapelly | | 1 |
| 60 | Ship's wheel | 2 | Cast iron | | 1 |
| 61 | Air shafts | 2 | Cast iron | | 3 |
| 62 | Dewatering pumps | 2 | Cast iron | | 2 |
| 63 | Chainplates | 4 | Brass | Ø 0.8x35 | 22 |
| 64 | Deadeyes | 3 | Boxwood | Ø 4 mm | 44 |
| 65 | Anchor | 2 | Cast iron | | 2 |
| 66 | Anchor stock | 2 | Cast iron | | 2 |
| 67 | Tar colour thread | 4 | Cotton | | 15 m |
| 68 | Hemp colour thread | 4 | Cotton | | 16 m |
| 69 | Lower foremast | | Ramin | Ø 4x160 | 1 |
| 70 | Lower mainmast | | Ramin | Ø 4x170 | 1 |
| 71 | Partners frame | 2 | Boxwood | | 4 |
| 72 | Foremast pin rail | | Sapelly | 2x2x16 | 2 |
| 73 | Belaying pins | 4 | Brass | Ø 0.8x6 | 6 |
| 74 | Bibbs | 1 | Sapelly | | 4 |
| 75 | Crosstrees | 3 | Cast iron | | 2 |
| 76 | Caps | 1 | Cast iron | | 2 |
| 77 | Fore topmast | | Ramin | Ø 3x104 | 1 |
| 78 | Main topmast | | Ramin | Ø 3x108 | 1 |
| 79 | Flag | | Cloth | | 1 |
| 80 | Block | 2 | Boxwood | 3 mm | 10 |
| 81 | Double blocks | 3 | Boxwood | 3 mm | 7 |
| 82 | Eyes | 4 | copper | Ø 0.25x1500 | 1 |
| 83 | Foremast gaff | | Ramin | Ø 3x65 | 1 |
| 84 | Foremast spanker boom | | Ramin | Ø 3x55 | 1 |
| 85 | Mainmast gaff | | Ramin | Ø 3x100 | 1 |
| 86 | Mainmast spanker boom | | Ramin | Ø 3x140 | 1 |
| 87 | Spanker boom jaws | | Sapelly | 3x1x15 | 8 |
| 88 | Parrels | 4 | Brass | Ø 0.8x25 | 4 |
| 89 | Foremast ratlines | | Sapelly | 1x1x25 | 2 |
| 90 | Mainmast ratlines | | Sapelly | 1x1x30 | 2 |
| 91 | Belaying pins | 3 | Boxwood | 8 mm | 20 |
| 92-98 | Sails | | Cotton | | 1 |
| 99 | Rings | 3 | Brass | Ø 5 mm | 16 |
| 100 | Rings | 2 | Brass | Ø 3 mm | 17 |

TOYLAND S.A. reserves the right to change any of the items in this list of parts.