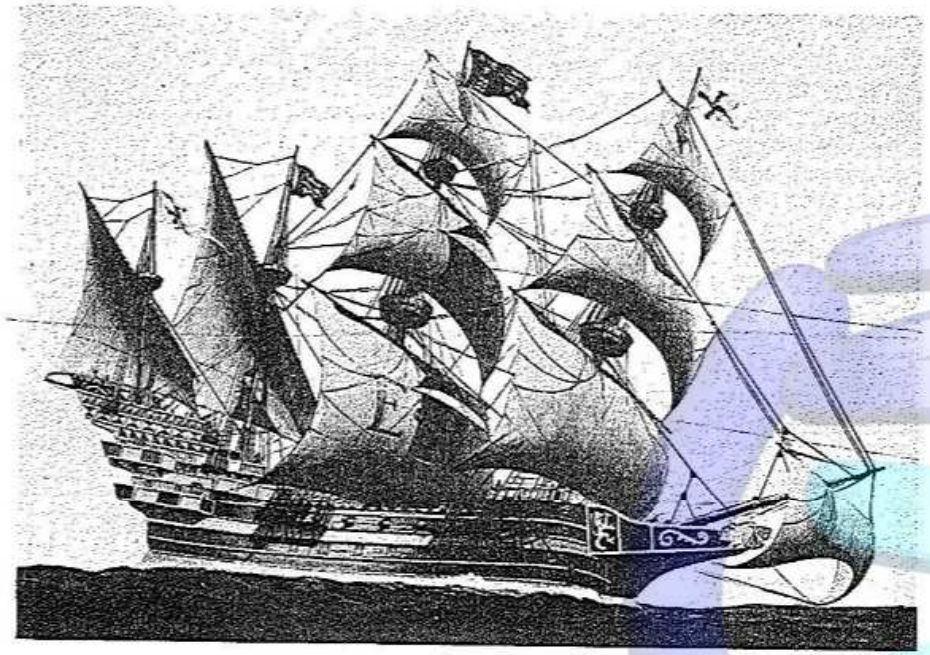
English Man O'War

Revell

H-397-380

Printed in Germany by Revell Plastics GmbH., Bünde



The first ships designed specifically for warfare dated back to 1200 B.C. when Egyptian King Rameses III defeated the Philistines in the first recorded naval battle. These ships, although fitted with sailing gear, were primarily propelled by the strength of many oarsmen. This provided rapid maneuverability unless the oars of the opposing vessels became entangled during the close quarters required for hand to hand combat.

By the sixteenth century the warship had evolved into a more efficient weapon. Small bore guns replaced the various swords, and larger cannons could rip a hole in the side of a stout hull. The cumbersome oars were no longer present as the refinement of sails and rigging provided the necessary maneuverability.

The most popular configuration for the sixteenth century warship was the galleon. Historical records credit the Spanish with the development of these vessels which were used successfully by them as commercial ships in addition to their military role. Soon galleons were being constructed by all the major nations of Europe. Each country refined the basic design to its own needs; however, the galleon's shape remained clearly identifiable through the variations.

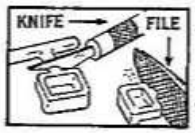
English Galleons built during the reign of Her Majesty Queen Elizabeth usually carried a fourth, or bonaventure, mast on the poopdeck. Great, ornate castles rose from the hull at the bow and the stern. Gunports lined the sides of the hull and heavy bronze and iron cannons poked their formidable noses at any would-be opponent. Often the crews of the Elizabethan Men O' War were made up of more soldiers than sailors since close combat was still a primary strategy in naval warfare.

As a progressive development of the earlier Spanish Galleons, the sixteenth century English Man O' War had become the most advanced warship on the seas. These ships were armed with the latest in sea-going ordnance. The cannons were the heaviest made and could fling a fifty pound iron ball nearly a mile. Several well-directed shots from this weapon could easily sink a ship. Smaller Demi-cannon were similar but fired a 32 pound shot. The Culverin was a name given to a 32 caliber gun which could fire an 18 pound ball a mile and a quarter. Other smaller arms were used for close fighting to tear into the enemy rigging.

Elizabethan Men O'War were gaily decorated to brighten the otherwise drab surroundings of the sea. Certain decorations were required. For example, the Admiral's devices and colors were to be painted on the ornamentation from the main-wale to the castle tops. All shields were to display the Admiral's arms and devices as well as flags and banners. The sails could be painted with designs and colors as desired by the crews, and for celebrating a victory, the ship was to be "covered in and curtained with rich cloth."

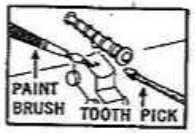
In 1588 a small, but well-directed, fleet of Elizabethan galleons met the formidable Spanish Armada off the coast of England. The Spaniards were intent on invading the British Isles in order to put an end to England's harassment of the Spanish colonies by Sir Francis Drake. However, it was Drake himself who led the English fleet to victory against the superior Spanish force. This was, perhaps, the most famous encounter involving these Elizabethan warships.

GET YOUR TOOLS READY:



KNIFE TO DETACH AND TRIM PARTS

FILE TO REMOVE EXCESS PLASTIC



CEMENT USE TOOTHPICK PAINT BRUSH OR PIN TO APPLY IT

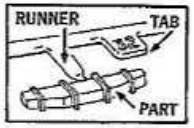
★ ★ ★ BEFORE YOU BEGIN ★ ★ ★



TWEEZERS TO PICK UP AND HOLD SMALL PARTS



TAPE AND CLOTHES PINS TO CLAMP AND HOLD PARTS UNTIL THEY ARE DRY

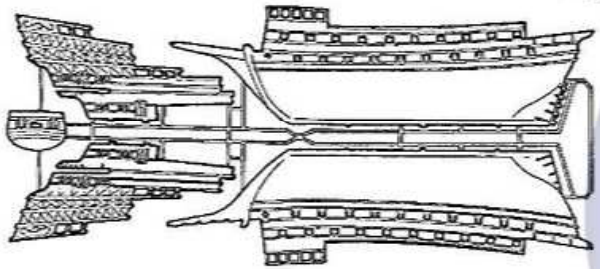


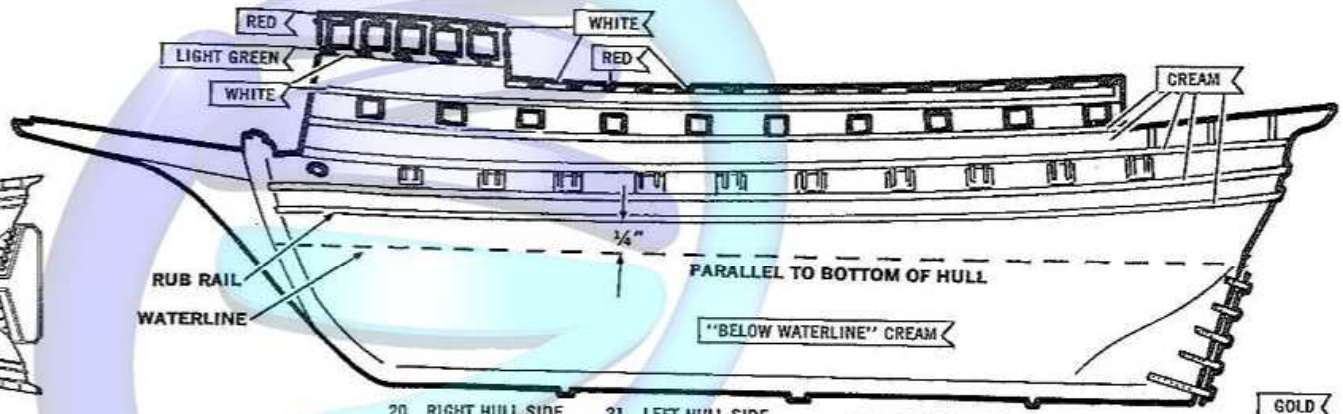
DO NOT DETACH PARTS UNTIL YOU ARE READY TO USE THEM. ALL PARTS ARE NUMBERED TO HELP YOU FIND THEM. LOOK FOR THE NUMBER ON THE TAB NEXT TO THE PART OR ON THE PART ITSELF. FIT PARTS TOGETHER AND TRIM ANY EXCESS PLASTIC BEFORE CEMENTING. IN DOING SO, YOU WILL KNOW WHERE TO APPLY CEMENT. APPLY CEMENT SPARINGLY WITH A TOOTHPICK, PIN OR BRUSH AS TOO MUCH CEMENT MAY DAMAGE YOUR MODEL.

HOW TO PAINT THE HULL PARTS

1. Your kit contains 4 groups of parts. Two Brown, Black and Tan. Each part has an identifying number on the back side of the part or on a tab adjacent to the part.
2. **DO NOT REMOVE** individual parts until called for in assembly instructions. Small parts may be lost and proper identity of similar looking parts may cause confusion.
3. Try fitting parts together before cementing them in place. Some parts may require slight trimming to obtain a good fit.

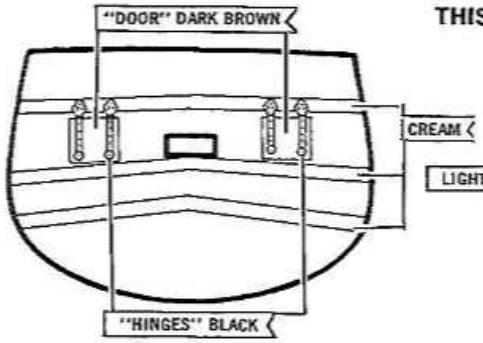
1. The lower sections of the Hull below the waterline should be painted a Medium Cream Color.
2. Use masking tape pressed firmly to the Hull to maintain an even edge.
3. You may either follow the lower edge of the Bottom Rub Rail on hull sides or establish a straight line slightly below. Either way is historically correct.
4. Allow paint to dry then remove masking tape and continue with detail painting.



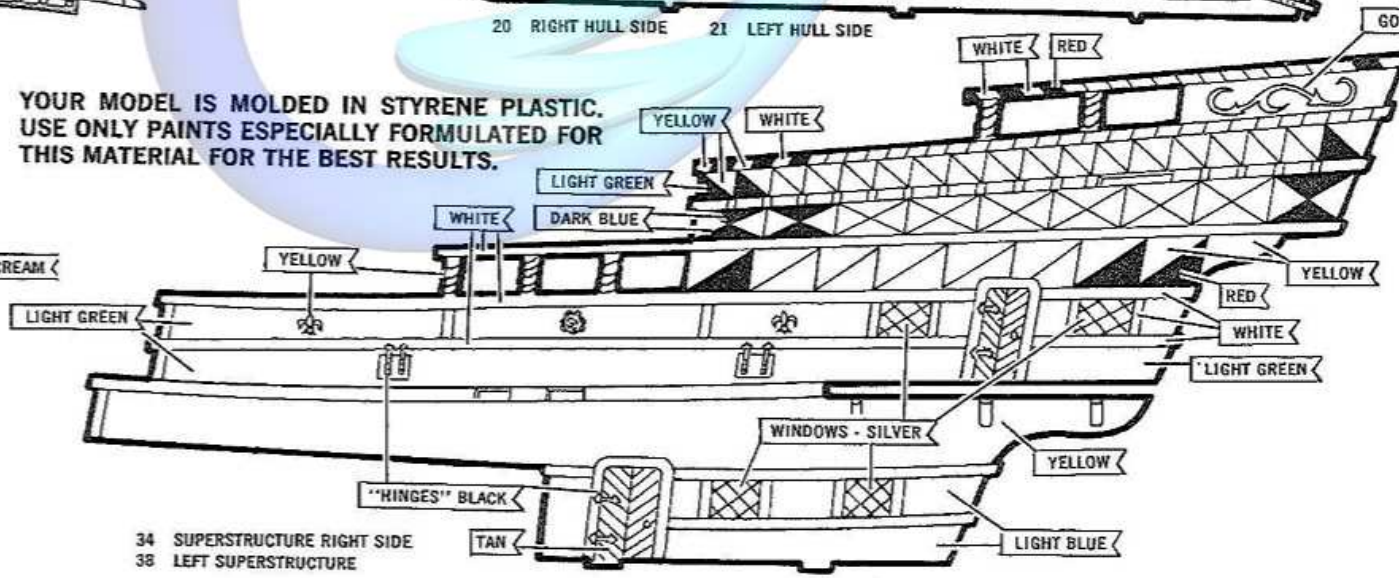


20 RIGHT HULL SIDE 21 LEFT HULL SIDE

YOUR MODEL IS MOLDED IN STYRENE PLASTIC. USE ONLY PAINTS ESPECIALLY FORMULATED FOR THIS MATERIAL FOR THE BEST RESULTS.



23 STERN

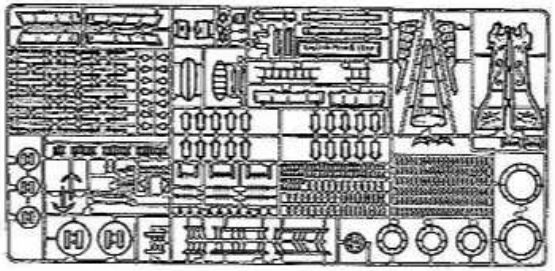


34 SUPERSTRUCTURE RIGHT SIDE
38 LEFT SUPERSTRUCTURE

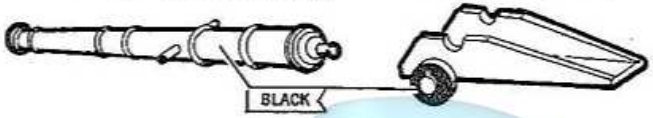
ADDITIONAL PAINTING SUGGESTIONS

You will find some parts of your model are easier to paint before assembly. These are indicated in the painting instructions. The colors required for each part or area will be indicated by a small flag.

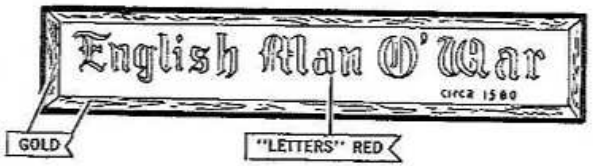
Any paint on cementing areas should be removed before assembly to obtain a good bond between parts.



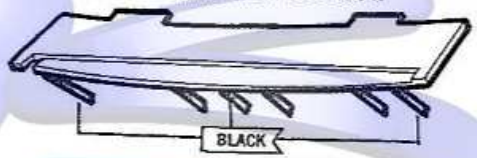
1 UPPER CANNON BARREL (20 Parts)
2 LOWER CANNON BARREL (20 Parts)
3 GUN CARRIAGES (20 Parts)

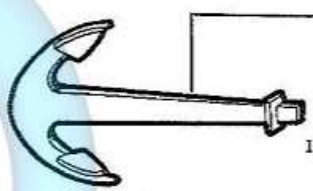


8 NAMEPLATE



62 FOREMAST CHAIN PLATE LEFT
63 FOREMAST CHAIN PLATE RIGHT
64 MAINMAST CHAIN PLATE LEFT
65 MAINMAST CHAIN PLATE RIGHT
66 MIZZENMAST CHAIN PLATE LEFT
67 MIZZENMATS CHAIN PLATE RIGHT





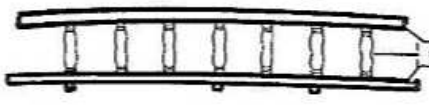
69 ANCHOR (2 Parts)

16 EYEBOLTS (8 Parts)

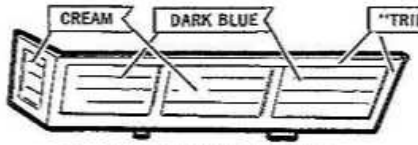
EYEBOLTS BLACK

22 CLEAT (4 Parts)

47 HALF DECK RAILING



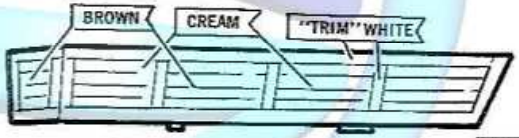
52 QUARTER DECK RAILING



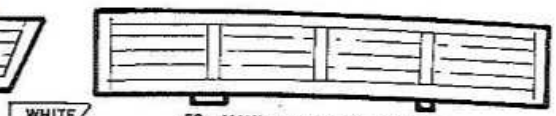
59 HALF DECK GUARD RAIL LEFT
60 HALF DECK GUARD RAIL RIGHT



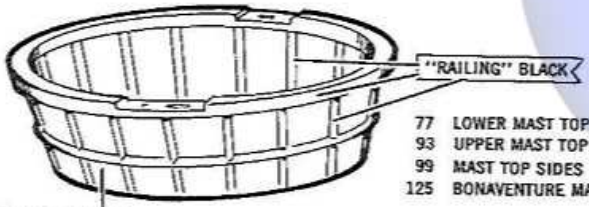
61 HALF DECK AFT GUARD RAIL



56 MAIN DECK GUARD RAIL LEFT
57 MAIN DECK GUARD RAIL RIGHT



58 MAIN DECK AFT GUARD RAIL



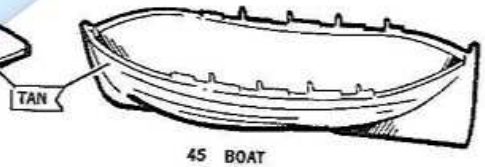
77 LOWER MAST TOP SIDES
93 UPPER MAST TOP SIDES
99 MAST TOP SIDES
125 BONAVENTURE MAST TOP



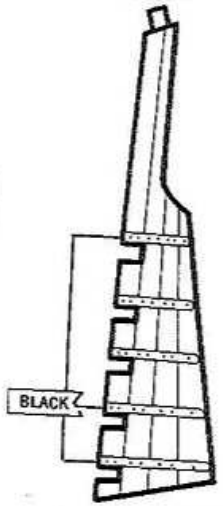
46 OARS (4 Parts)



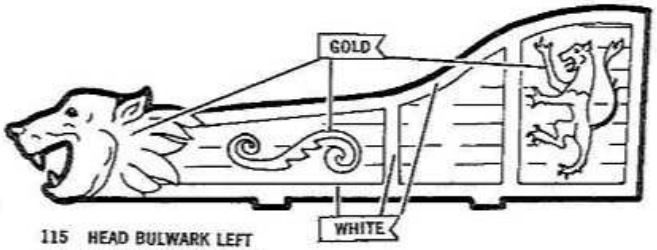
44 SEATS



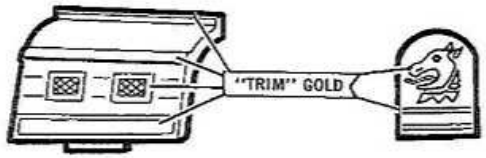
45 BOAT



24 RUDDER LEFT SIDE
25 RUDDER RIGHT SIDE



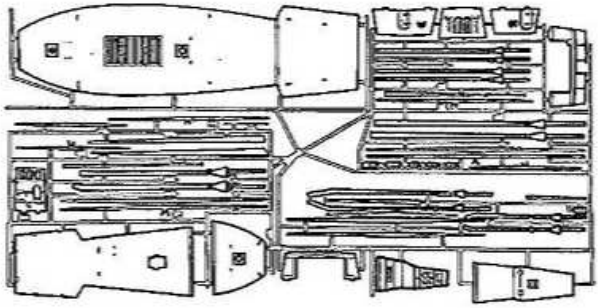
115 HEAD BULWARK LEFT
116 HEAD BULWARK RIGHT



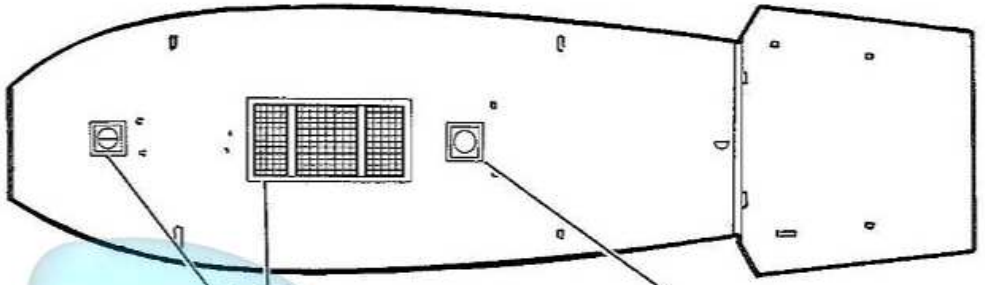
48 COMPANIONWAY LEFT SIDE
49 COMPANIONWAY RIGHT SIDE

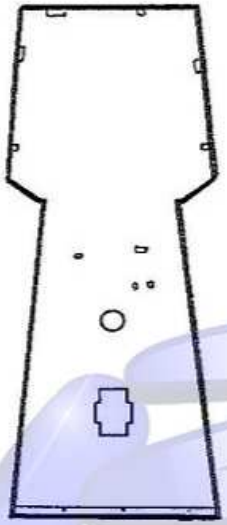
50 COMPANIONWAY FRONT

PAINT THE TAN PARTS

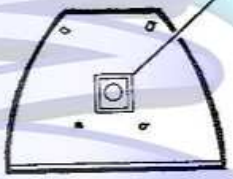


14 MAIN DECK

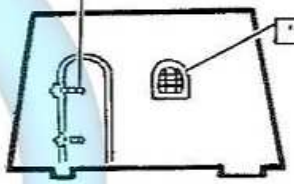




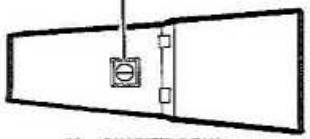
36 HALF DECK



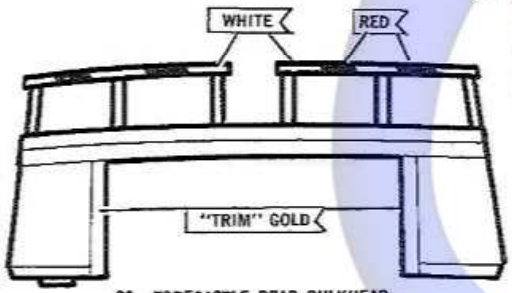
28 FORECASTLE DECK



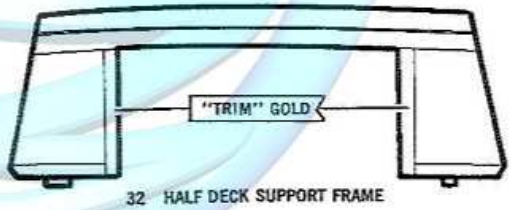
39 QUARTER DECK BULKHEAD



41 QUARTER DECK

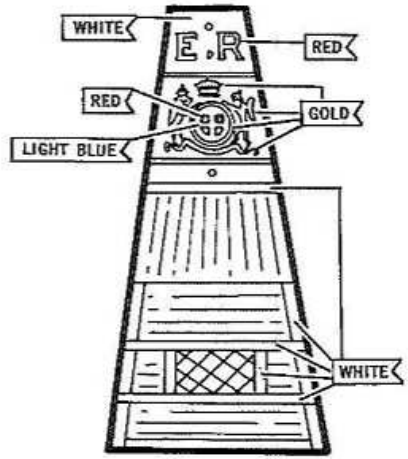


29 FORECASTLE REAR BULKHEAD

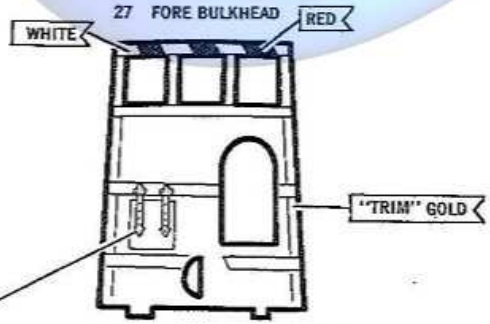


32 HALF DECK SUPPORT FRAME

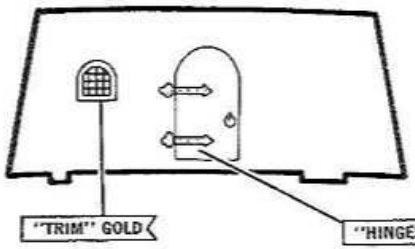
40 QUARTER DECK REAR BULKHEAD



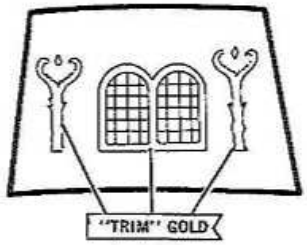
27 FORE BULKHEAD



33 HALF DECK BULKHEAD



35 MAIN CABIN REAR BULKHEAD

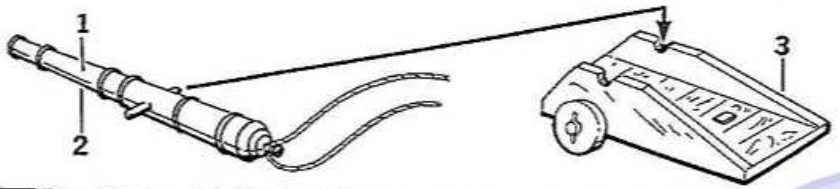


ALL WINDOW GLASS - SILVER

1 CANNONS

1 UPPER CANNON BARREL (20 Parts)
2 LOWER CANNON BARREL (20 Parts)
3 GUN CARRIAGES (20 Parts)

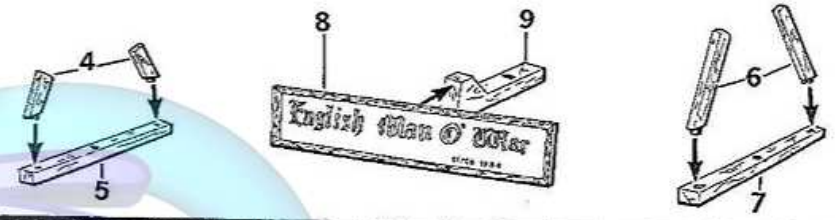
1. Assemble the twenty CANNON BARRELS by cementing the UPPER HALF **Part (1)** to LOWER HALF **Part (2).**
2. Use the smallest size TAN THREAD and cut approximately 5 inch lengths. Tie THREAD at center to each CANNON BARREL. Touch with small dab of cement to hold THREAD.
3. Cement CANNON BARRELS to GUN CARRIAGES **(3).**



2 SHIP'S STAND

4 FORWARD HULL SUPPORTS (2 Parts)
5 FORWARD BASE
6 REAR HULL SUPPORTS (2 Parts)
7 REAR BASE
8 NAMEPLATE
9 CENTER SUPPORT

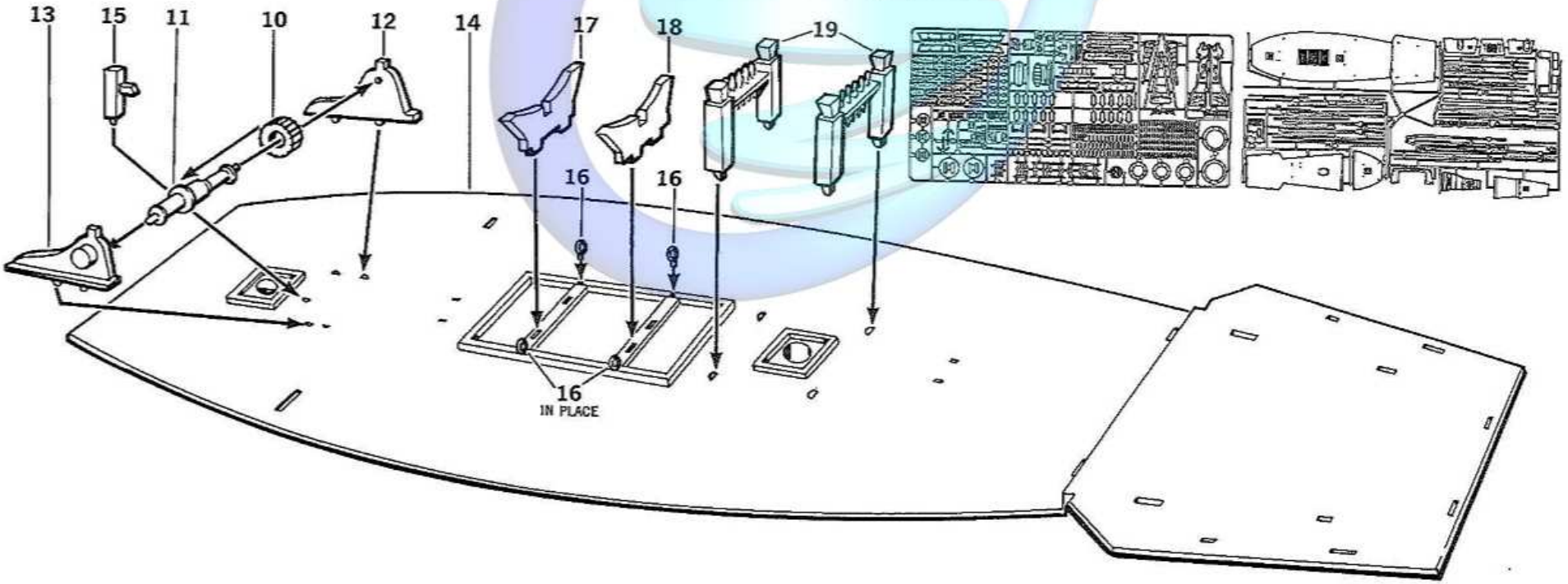
1. Cement the two FORWARD HULL SUPPORTS **(4)** to the FORWARD BASE **(5)** and the REAR SUPPORTS **(6)** to the REAR BASE **(7).**
2. Cement the NAMEPLATE **(8)** to the CENTER SUPPORT **(9).**



3 DECK DETAILS

10 WINDLASS RATCHET WHEEL
11 WINDLASS
12 WINDLASS SUPPORT LEFT
13 WINDLASS SUPPORT RIGHT
14 MAIN DECK
15 WINDLASS RATCHET STOP
16 EYEBOLTS (4 Parts)
17 FORWARD BOAT CRADLE
18 AFT BOAT CRADLE
19 MAINMAST PIN RAIL (2 Parts)

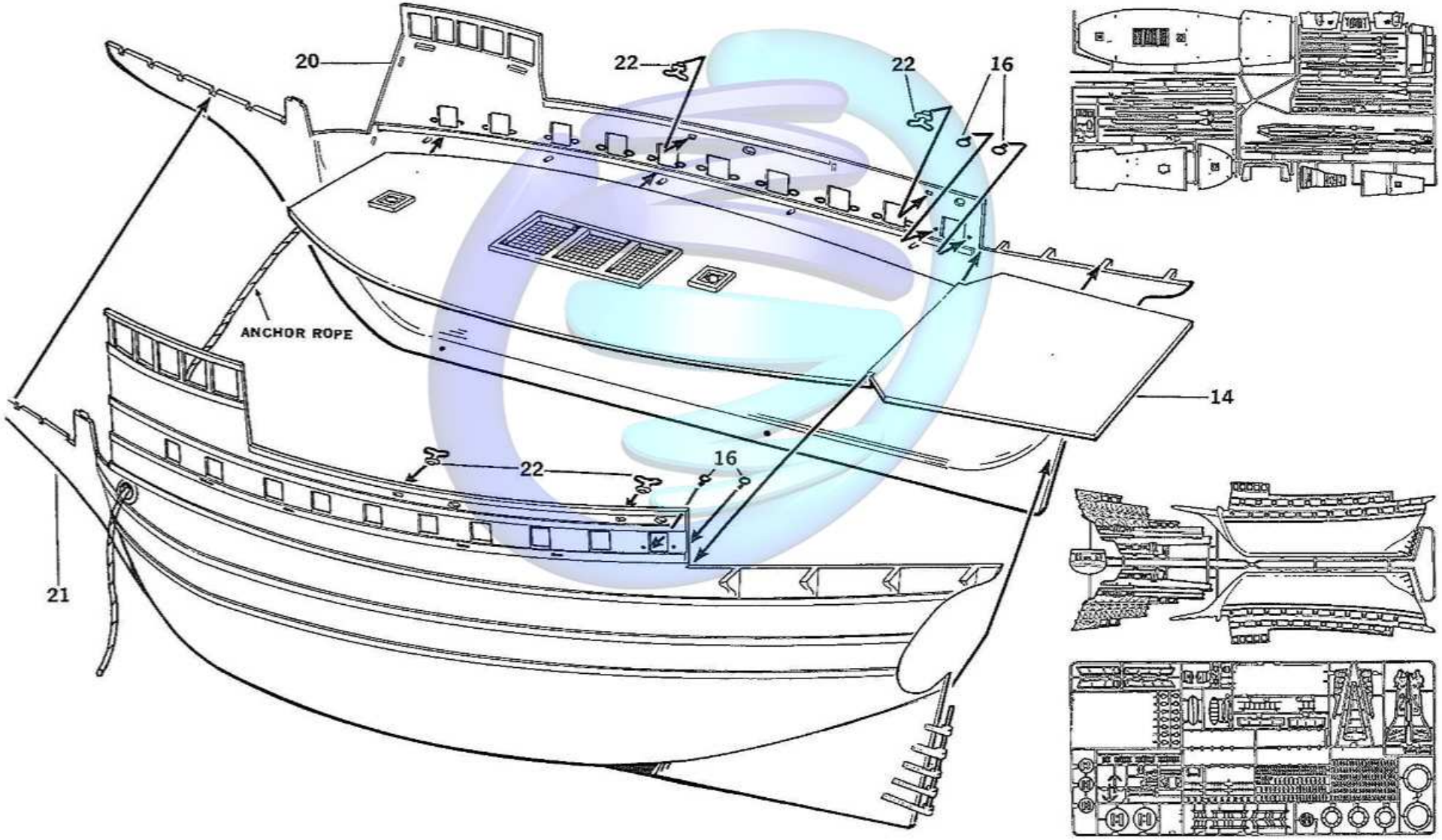
1. Slide the WINDLASS RATCHET WHEEL **(10)** on the WINDLASS **(11)** and cement in position.
2. Cement WINDLASS SUPPORTS LEFT **(12)** and RIGHT **(13)** to the WINDLASS. Cement assembly to DECK **(14).**
3. Cement WINDLASS RATCHET STOP **(15)** to DECK.
4. Cement four EYEBOLTS **(16)** to DECK.
5. Cement FORWARD **(17)** and AFT **(18)** BOAT CRADLES to DECK.
6. Cement two MAINMAST PINRAILS **(19)** to DECK.



HULL ASSEMBLY

14 MAIN DECK
16 EYEBOLTS (40 Parts)
20 RIGHT HULL SIDE
21 LEFT HULL SIDE
22 CLEAT (4 Parts)

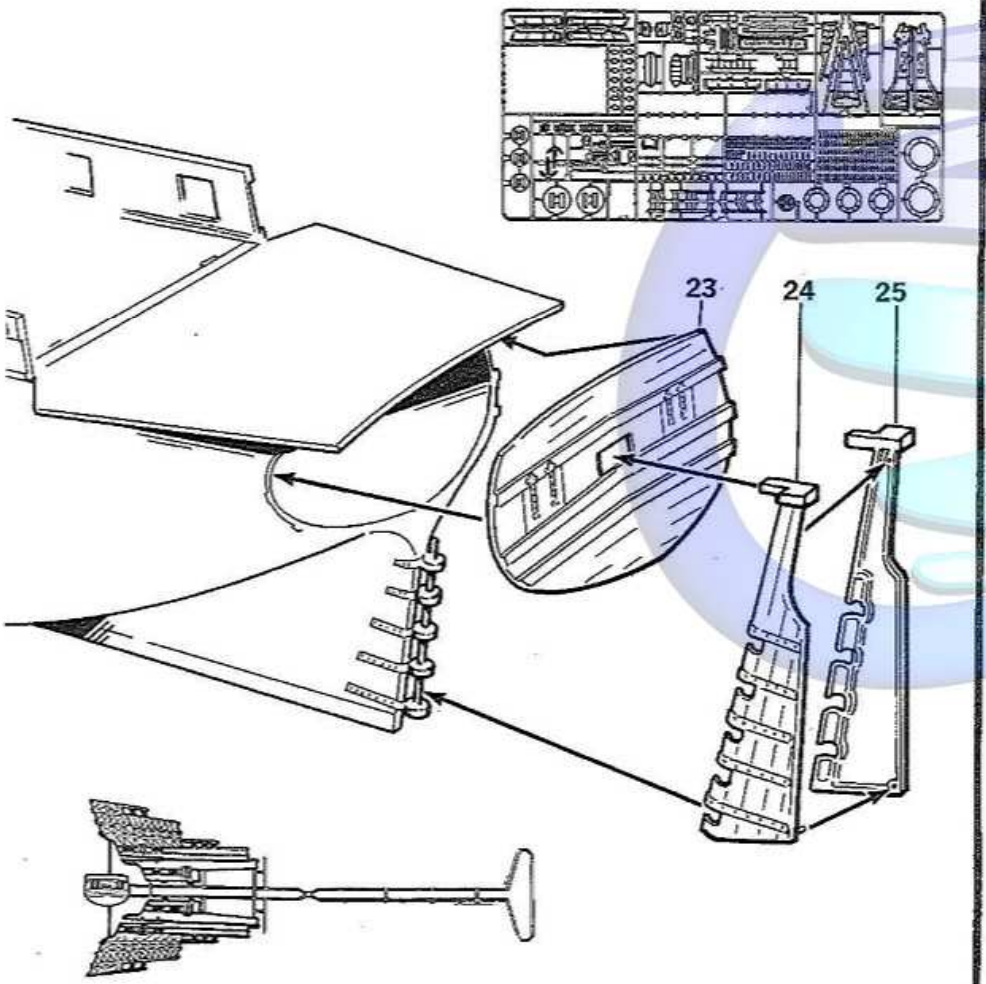
1. Cement twenty EYEBOLTS **(16)** to the inside of each HULL SIDE, RIGHT **(20)** and LEFT **(21).**
2. Cement two CLEATS **(22)** to the inside of each HULL.
3. Cement the two HULL SIDES together. Use CLAMPS, CLOTHES PINS or TAPE to hold sides together until cement has set and then remove.
4. Spread HULL SIDES slightly to avoid hitting EYEBOLTS and install MAIN DECK **(14).** DECK must locate below ledge and on top of pins. Notch on edge of DECK must locate against vertical edge of HULL. Cement DECK to HULL.
5. Lead ANCHOR ROPE through holes in HULL SIDES and loosely tie ends together until ANCHOR installation.



5 RUDDER INSTALLATION

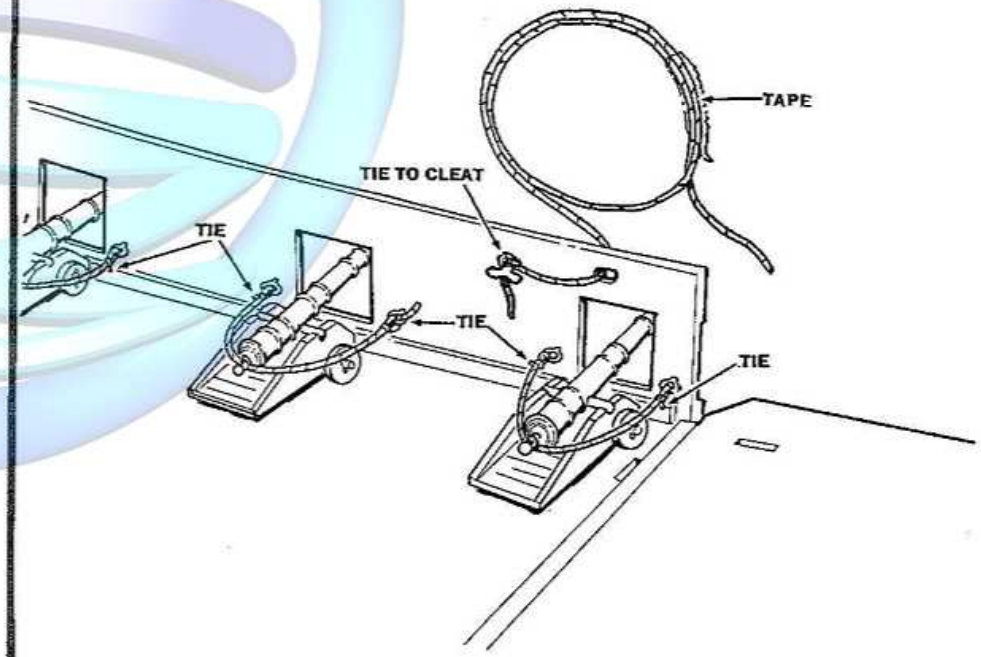
23 STERN
24 RUDDER LEFT SIDE
25 RUDDER RIGHT SIDE

1. Cement the STERN **(23)** to the HULL.
2. Cement the two halves of the RUDDER LEFT **(24)** and RIGHT **(25)** together around the RUDDER HINGE on HULL.
3. Cement the SHIPS STAND assemblies and NAME-PLATE from **STEP 2** to the HULL.



6 CANNON INSTALLATION

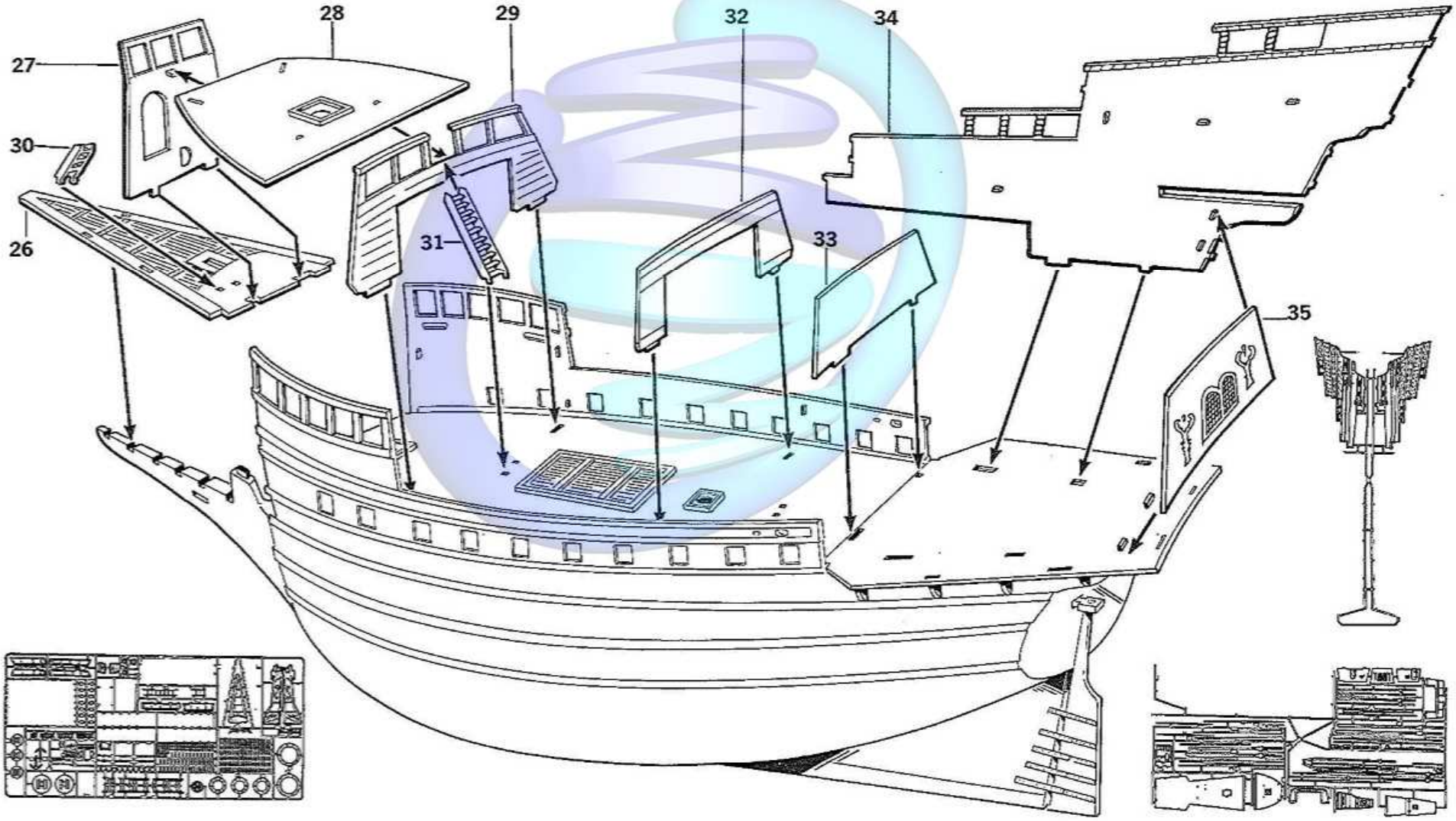
1. Cement the twenty CANNONS from **STEP 1** to the DECK.
2. Thread the ends of the CANNON RETAINING ROPES through the EYEBOLTS and tie, or loop and cement thread to EYEBOLT, hold until cement sets and then cut off the excess length.
3. Tie a heavy TAN THREAD 14 inches long to CLEAT on each HULL SIDE. Lead lines through sides of HULL, loop and tape to side until required in rigging MAIN-MAST MAINSAIL.



FORECASTLE DECK & MAIN BULKHEADS

26 HEAD GRATING
27 FORE BULKHEAD
28 FORECASTLE DECK
29 FORECASTLE REAR BULKHEAD
30 FORE BULKHEAD LADDER
31 FORECASTLE LADDER
32 HALF DECK SUPPORT FRAME
33 HALF DECK BULKHEAD
34 SUPERSTRUCTURE RIGHT SIDE
35 MAIN CABIN REAR BULKHEAD

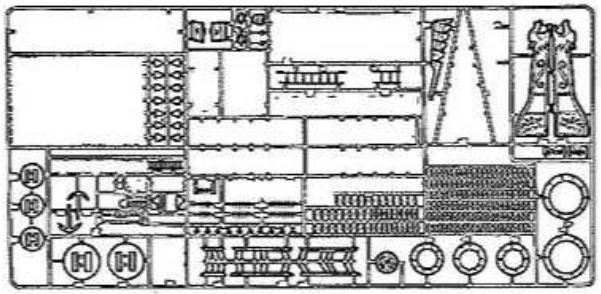
1. Cement the HEAD GRATING **(26)** to HULL.
2. Cement the FORE BULKHEAD **(27)** to HULL.
3. Cement the FORECASTLE DECK **(28)** to HULL and BULKHEAD.
4. Cement the FORECASTLE REAR BULKHEAD **(29)** to both DECKS.
5. Cement the FORE BULKHEAD LADDER **(30)** to HEAD GRATING.
6. Cement the FORECASTLE LADDER **(31)** to DECKS.
7. Cement the HALF DECK SUPPORT FRAME **(32)** and BULKHEAD **(33)** to MAIN DECK.
8. Cement SUPERSTRUCTURE RIGHT SIDE **(34)** to MAIN DECK and top edge of HULL.
9. Cement MAIN CABIN REAR BULKHEAD **(35)** to DECK and RIGHT SIDE.

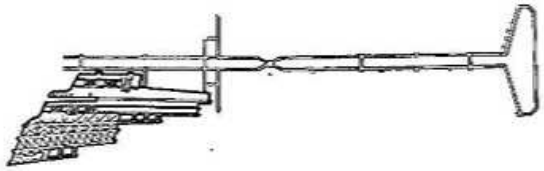


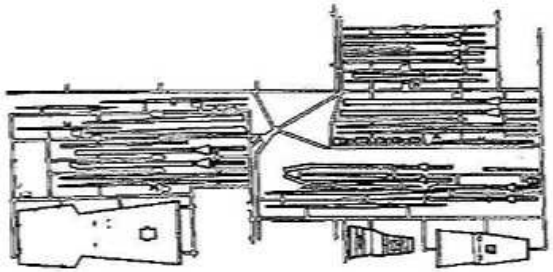
AFT DECKS AND BULKHEADS

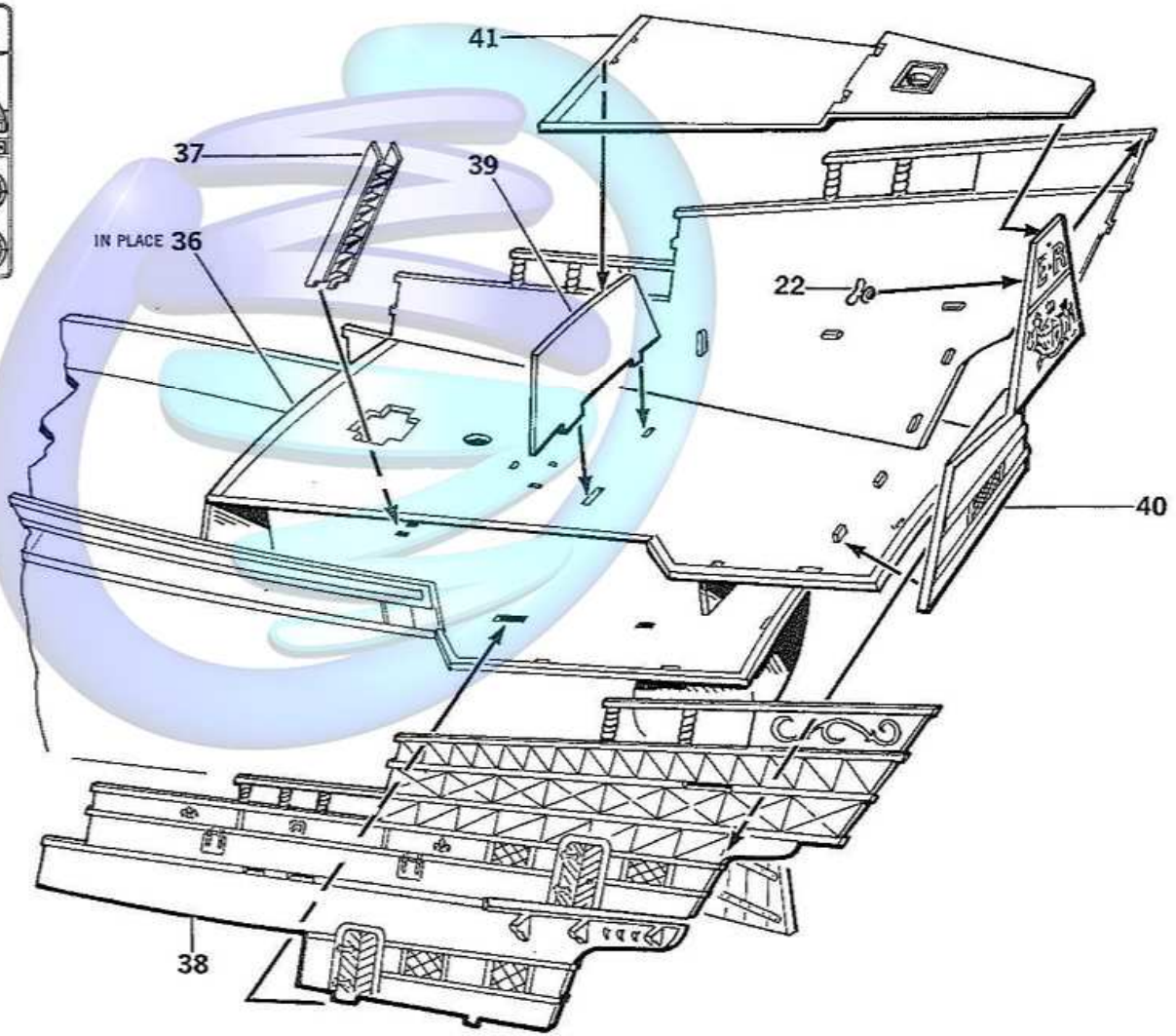
22 CLEAT
36 HALF DECK
37 COMPANIONWAY LADDER
38 LEFT SUPERSTRUCTURE
39 QUARTER DECK BULKHEAD
40 QUARTER DECK REAR BULKHEAD
41 QUARTER DECK

1. Cement HALF DECK **(36)** to BULKHEADS and RIGHT SUPERSTRUCTURE SIDE.
2. Cement COMPANIONWAY LADDER **(37)** to MAIN and HALF DECKS.
3. Cement LEFT SUPERSTRUCTURE SIDE **(38)** to DECKS and top edge of HULL.
4. Cement QUARTER DECK BULKHEAD **(39)** to HALF DECK.
5. Cement QUARTER DECK REAR BULKHEAD **(40)** to DECK and SIDES.
6. Cement QUARTER DECK **(41)** in position.
7. Cement one CLEAT **(22)** to QUARTER DECK REAR BULKHEAD.







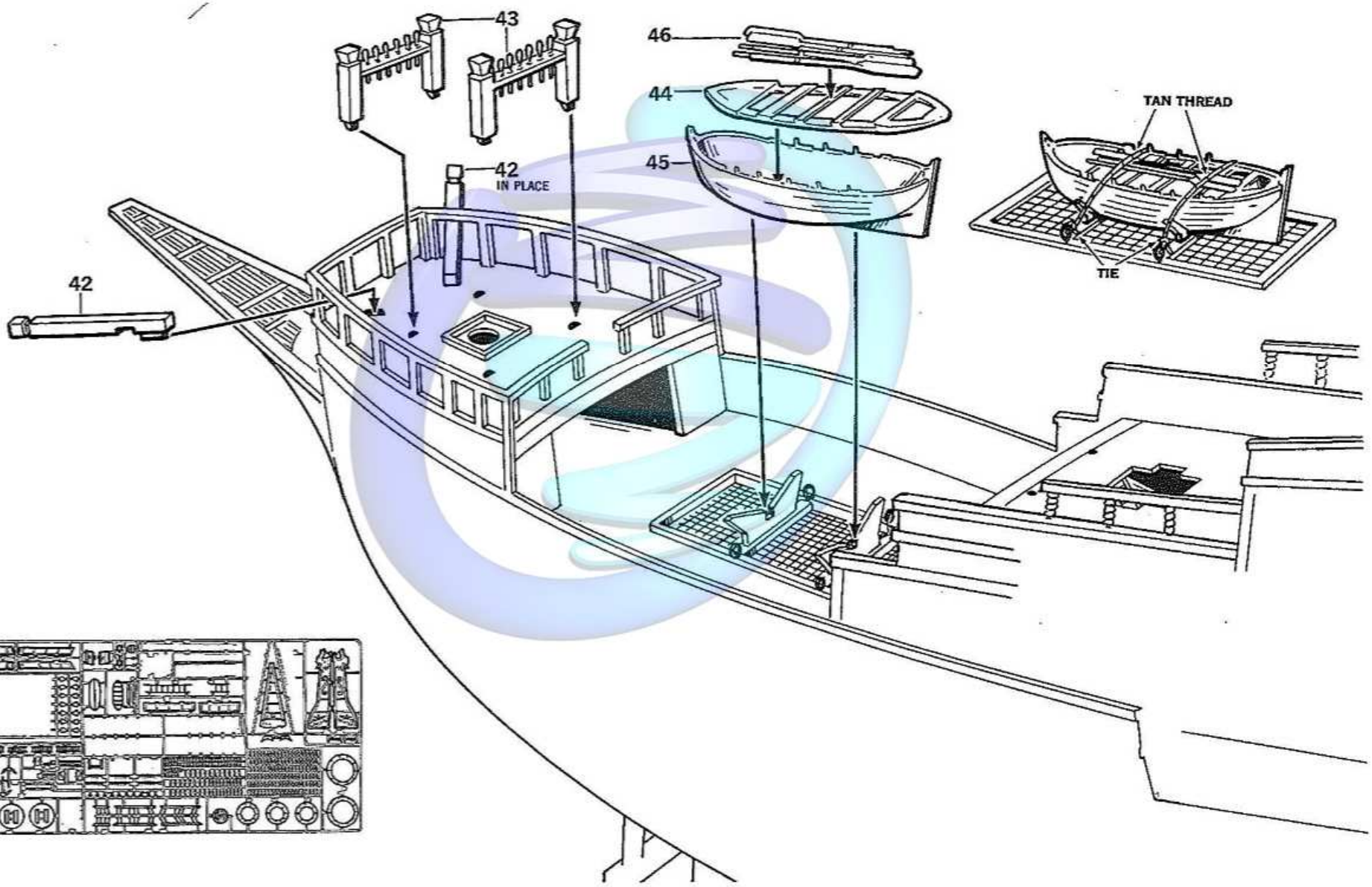


9

FORWARD DECK DETAILS

42 CATHEAD (2 Parts)
43 FOREMAST PIN RAIL (2 Parts)
44 SEATS
45 BOAT
46 OARS (4 Parts)

1. Cement two CATHEADS **(42)** to FORE CASTLE DECK.
2. Cement two FOREMAST PINRAILS **(43)** to FORE CASTLE DECK.
3. Cement the SEATS **(44)** to the BOAT **(45)** then cement the two sets of OARS **(46)** to the SEATS.
4. Cement the BOAT to the BOAT CRADLES.
5. Use short lengths of the medium weight TAN THREAD and lash BOAT to DECK.

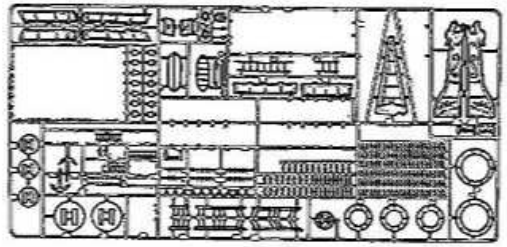


10

REAR DECK DETAILS

47 HALF DECK RAILING
48 COMPANIONWAY LEFT SIDE
49 COMPANIONWAY RIGHT SIDE
50 COMPANIONWAY FRONT
51 QUARTER DECK LADDER
52 QUARTER DECK RAILING
53 MIZZEN PINRAIL
54 HALF DECK PINRAIL (2 Parts)
55 QUARTER DECK PINRAIL (2 Parts)

1. Cement HALF DECK RAILING **(47)** to DECK.
2. Cement COMPANIONWAY LEFT **(48)** and RIGHT **(49)** sides to FRONT **(50).** Cement to DECK.
3. Cement QUARTER DECK LADDER **(51)** in position.
4. Cement QUARTER DECK RAILING **(52)** to DECK.
5. Cement MIZZEN PINRAIL **(53)** to QUARTER DECK.
6. Cement one, HALF DECK PINRAIL **(54)** and QUARTER DECK PINRAIL **(55)** to both sides of HULL.

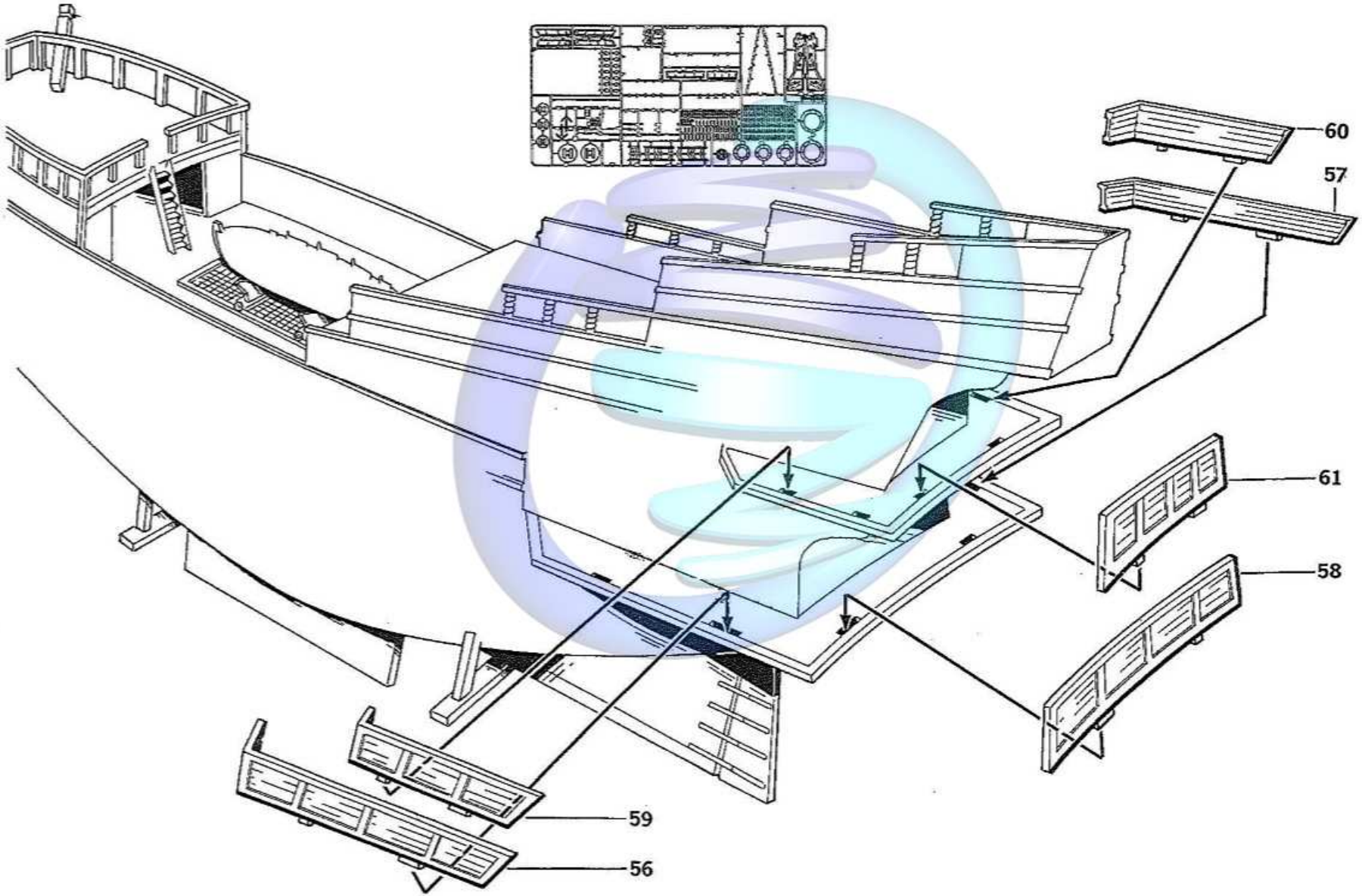


11

WALKWAY GUARD RAILS

56 MAIN DECK GUARD RAIL LEFT
57 MAIN DECK GUARD RAIL RIGHT
58 MAIN DECK AFT GUARD RAIL
59 HALF DECK GUARD RAIL LEFT
60 HALF DECK GUARD RAIL RIGHT
61 HALF DECK AFT GUARD RAIL

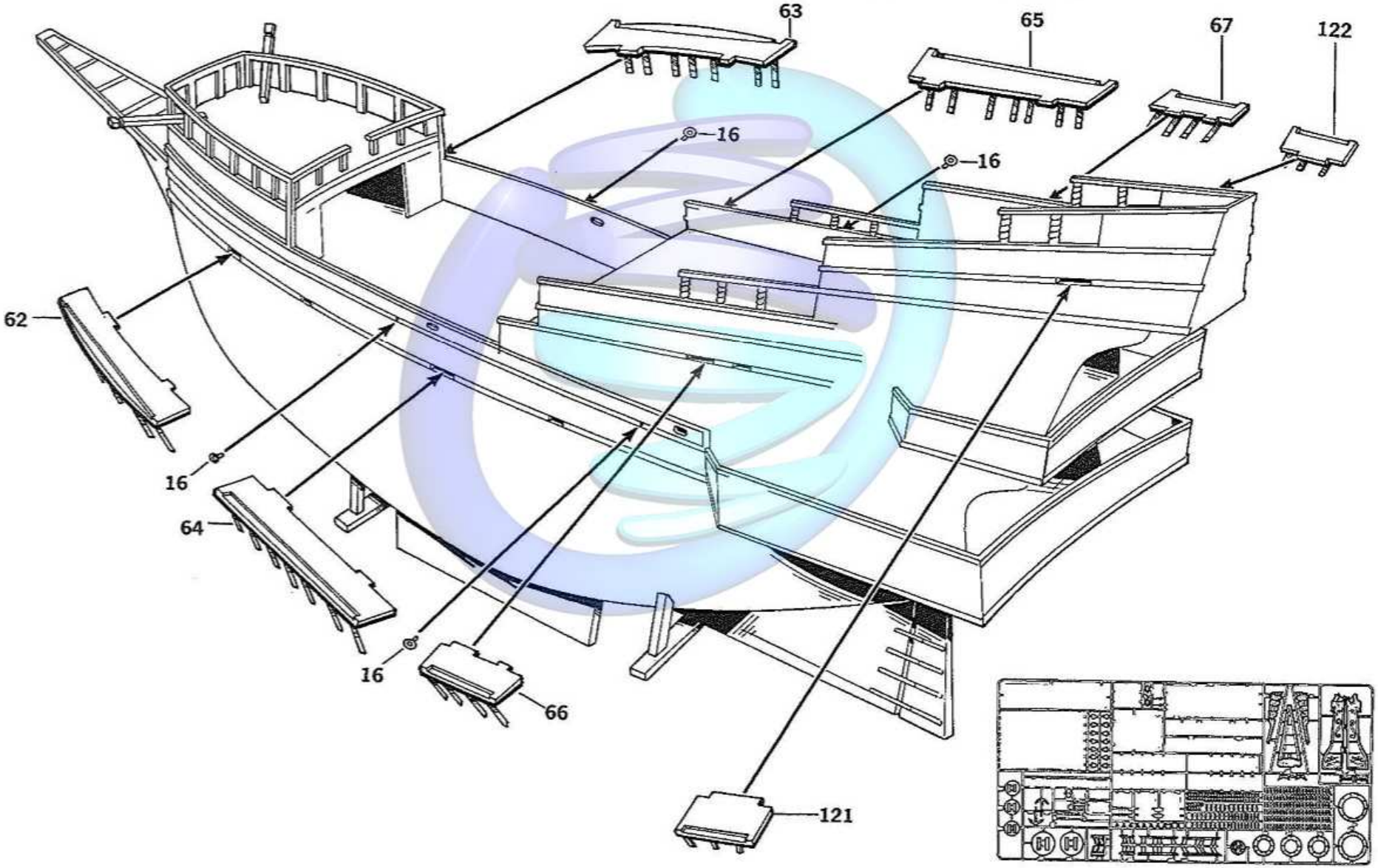
1. Cement MAIN DECK LEFT **(56)** and RIGHT **(57)** GUARD RAILS to MAIN DECK.
2. Cement MAIN DECK AFT GUARD RAIL **(58)** to DECK.
3. Cement HALF DECK LEFT **(59)** and RIGHT **(60)** GUARD RAILS to HALF DECK. Then cement HALF DECK AFT GUARD RAIL **(61)** to DECK.



CHAIN PLATES

62 FOREMAST CHAIN PLATE LEFT
63 FOREMAST CHAIN PLATE RIGHT
64 MAINMAST CHAIN PLATE LEFT
65 MAINMAST CHAIN PLATE RIGHT
66 MIZZENMAST CHAIN PLATE LEFT
67 MIZZENMATS CHAIN PLATE RIGHT
16 EYEBOLTS (4 Parts)
121 BONAVENTURE MAST CHAIN PLATE LEFT
122 BONAVENTURE MAST CHAIN PLATE RIGHT

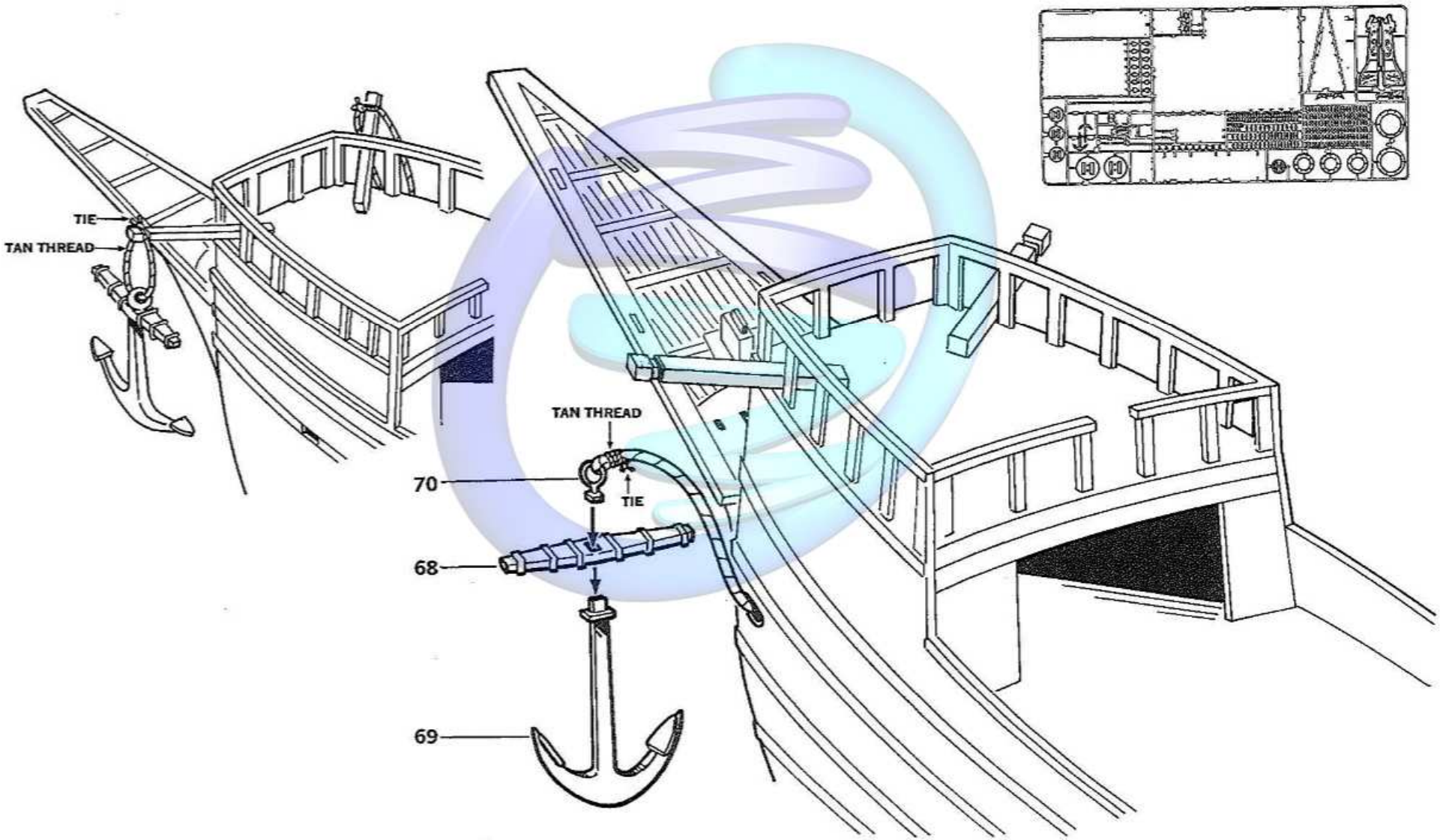
1. Cement the LEFT **(62)** and RIGHT **(63)** FOREMAST CHAIN PLATES to HULL.
2. Cement the MAINMAST CHAIN PLATES LEFT **(64)** and RIGHT **(65)** to HULL.
3. Cement the MIZZENMAST CHAIN PLATES LEFT **(66)** and RIGHT **(67)** to HULL.
4. Cement the BONAVENTURE CHAIN PLATES LEFT **(121)** and RIGHT **(122)** to HULL.
5. Cement four EYEBOLTS **(16)** to each side of HULL.



ANCHORS

68 ANCHOR STOCK (2 Parts)
69 ANCHOR (2 Parts)
70 ANCHOR RING (2 Parts)

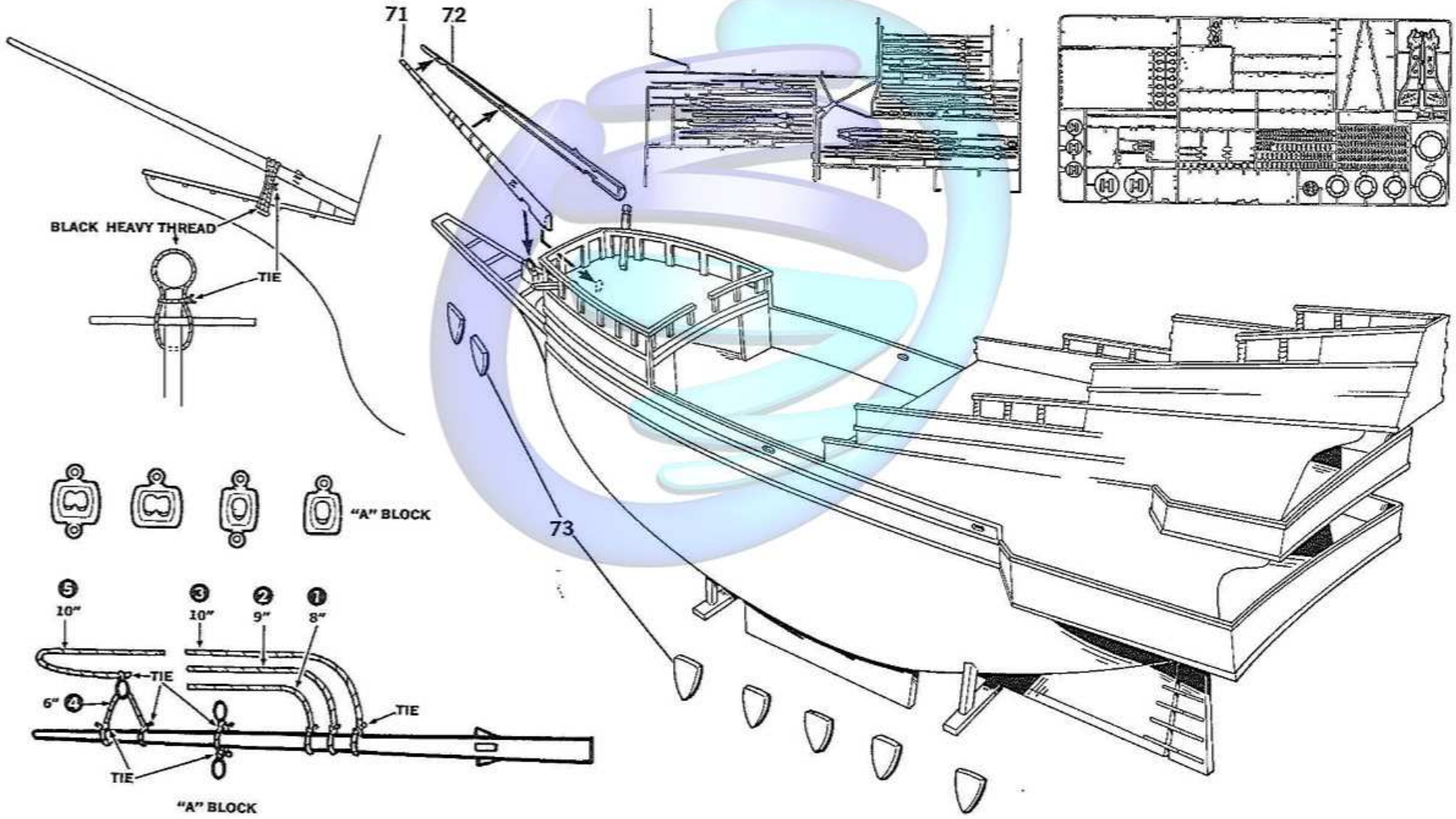
1. Cement the two ANCHOR STOCKS **(68)** to the ANCHORS **(69)**. Cement the ANCHOR RINGS **(70)** to the STOCKS. Allow cement to dry and then proceed.
2. Loop ANCHOR ROPE through an ANCHOR RING wrap with the small tan thread and tie.
3. Tie ANCHOR RING to CATHEAD with a double loop of heavy TAN THREAD.
4. Repeat ANCHOR installation on other side.



BOWSPRIT AND SHIELDS

71 BOWSPRIT LEFT SIDE
72 BOWSPRIT RIGHT SIDE
"A" RIGGING BLOCK (3 Parts)
73 SHIELDS (14 Parts)

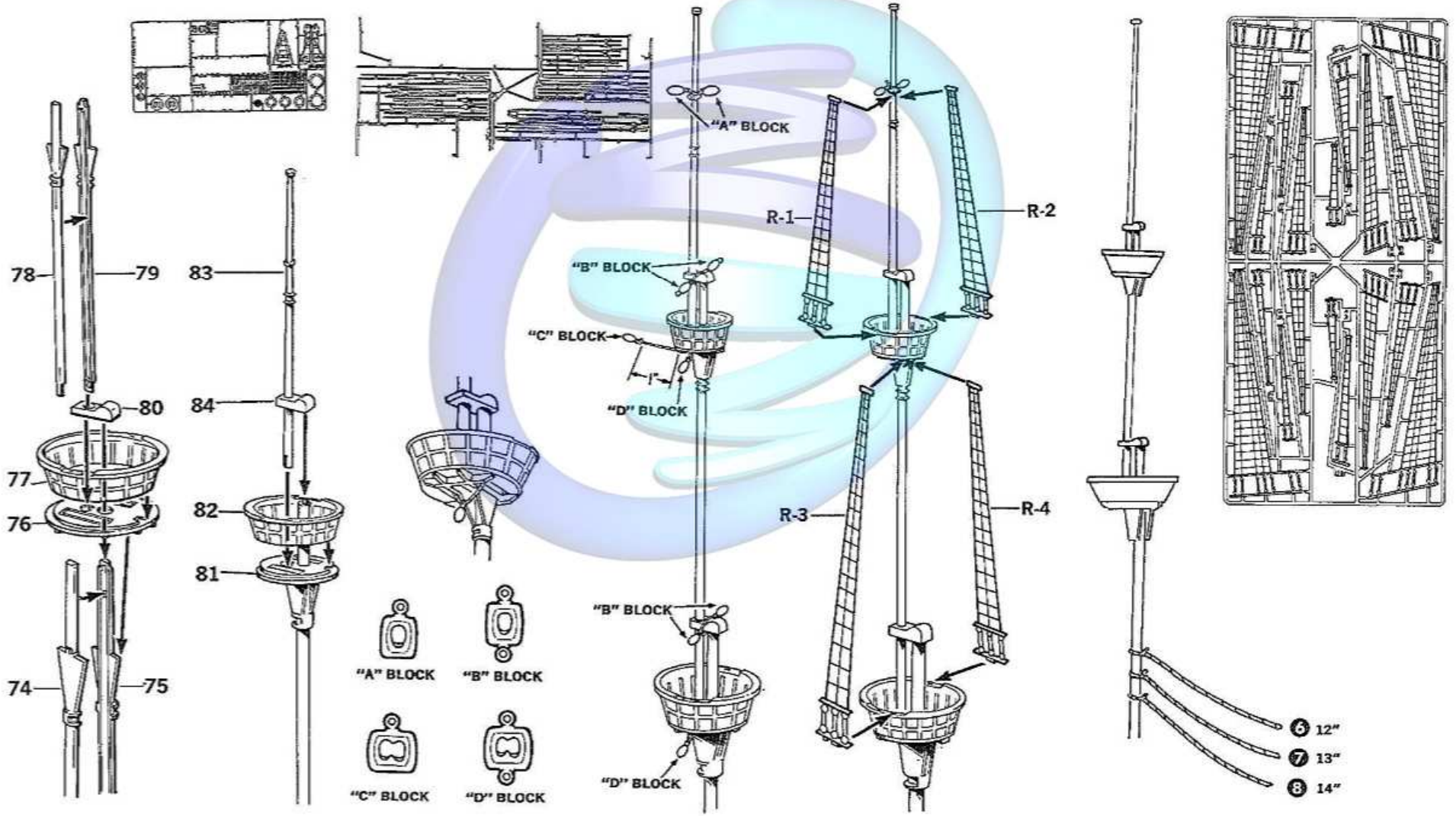
1. Cement the LEFT **(71)** and RIGHT **(72)** halves of the BOWSPRIT together.
2. Cut lines ❶, ❷ and ❸ from the medium weight BLACK THREAD to the lengths shown. This length will allow sufficient for a tie at both ends.
3. Tie ends to BOWSPRIT as indicated. Touch ties with a small dab of cement.
4. Tie one **"A" Type Block** to Line ❺ and install lines ❹ and ❺ as shown.
5. Use the small BLACK THREAD and tie two **"A" Blocks** to BOWSPRIT one on each side.
6. Cement BOWSPRIT to HULL Assembly.
7. Use 18" of heavy BLACK THREAD and lash the BOWSPRIT to the HULL as indicated.
8. Cement seven SHIELDS **(73)** to each side of HULL along top edge of RAIL as you wish.



FOREMAST ASSEMBLY

74	FOREMAST LEFT SIDE
75	FOREMAST RIGHT SIDE
76	LOWER MAST TOP BASE
77	LOWER MAST TOP SIDES
78	FORE TOPMAST LEFT SIDE
79	FORE TOPMAST RIGHT SIDE
80	LOWER MAST CAP
81	UPPER MAST TOP BASE
82	UPPER MAST TOP SIDES
83	FORE TOPGALLANT MAST
84	UPPERMAST CAP
"A"	RIGGING BLOCK (2 Parts)
"B"	RIGGING BLOCK (4 Parts)
"D"	RIGGING BLOCK (2 Parts)
(R-1) (R-2)	TOP GALLANT RATLINES
(R-3) (R-4)	FORE TOPMAST RATLINES

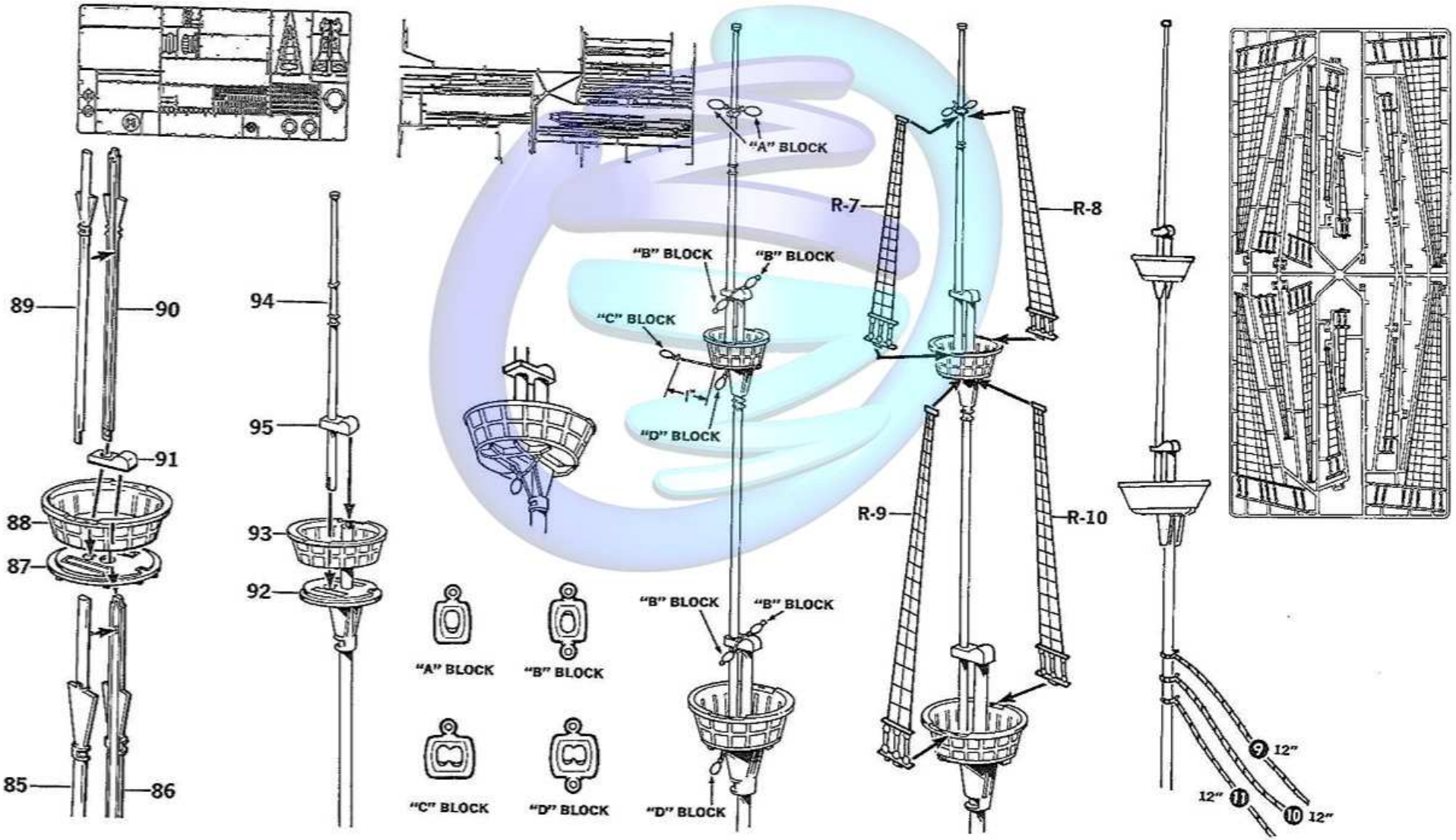
1. Cement the LEFT **(74)** and RIGHT **(75)** halves of the FOREMAST together.
2. Cement the BASE **(76)** and SIDES **(77)** of the LOWER FOREMAST TOP together.
3. Cement the LEFT **(78)** and RIGHT **(79)** sides of the FORE TOPMAST together.
4. Cement the TOP to the FOREMAST. Slide the FORE TOPMAST through hole in LOWER MAST CAP **(80)** and cement to parts previously assembled.
5. Cement BASE **(81)** and SIDES **(82)** of UPPER MAST TOP together, cement to MAST assembly.
6. Slide FORE TOP GALLANT MAST **(83)** through UPPER MAST CAP **(84)** and cement to assembly.
7. Tie blocks as indicated to MAST ASSEMBLY.
8. Cement RATLINES **(R-1), (R-2), (R-3)** and **(R-4)** to MAST ASSEMBLY.
9. Cut lines ❻, ❼ and ❽ from the medium weight BLACK THREAD and tie to LOWER MAST Section.



MAINMAST ASSEMBLY

85	MAINMAST LEFT SIDE	93	UPPER MAST TOP SIDES
86	MAINMAST RIGHT SIDE	94	MAIN TOPGALLANT MAST
87	MAST TOP BASE	95	UPPER MAST CAP
88	MAST TOP SIDES	"A"	RIGGING BLOCK (2 Parts)
89	MAIN TOPMAST LEFT SIDE	"B"	RIGGING BLOCK (4 Parts)
90	MAIN TOPMAST RIGHT SIDE	"D"	RIGGING BLOCK (2 Parts)
91	LOWER MAST CAP	(R-7) (R-8)	TOP GALLANT RATLINES
92	UPPER MAST TOP BASE	(R-9) (R-10)	MAIN TOPMAST RATLINES

1. Cement LEFT **(85)** and RIGHT **(86)** MAINMAST HALVES together.
2. Cement BASE **(87)** and SIDES **(88)** of MAST TOP together.
3. Cement LEFT **(89)** and RIGHT **(90)** MAIN TOPMAST HALVES together.
4. Cement MAST TOP to MAINMAST, slide TOPMAST through MAST CAP **(91)** and cement in position.
5. Cement BASE **(92)** and SIDES **(93)** of UPPER MAST TOP together. Slide MAIN TOP GALLANT MAST **(94)** through UPPER MAST CAP (95) and cement parts to MAST assembly.
6. Tie RIGGING BLOCKS to MAST assembly as noted.
7. Cement RATLINES **(R-7)**, **(R-8)**, **(R-9)** and **(R-10)** to MAST Assembly.
8. Tie lines ❾, ❿ and ⓫ of medium BLACK THREAD to LOWER MAST.

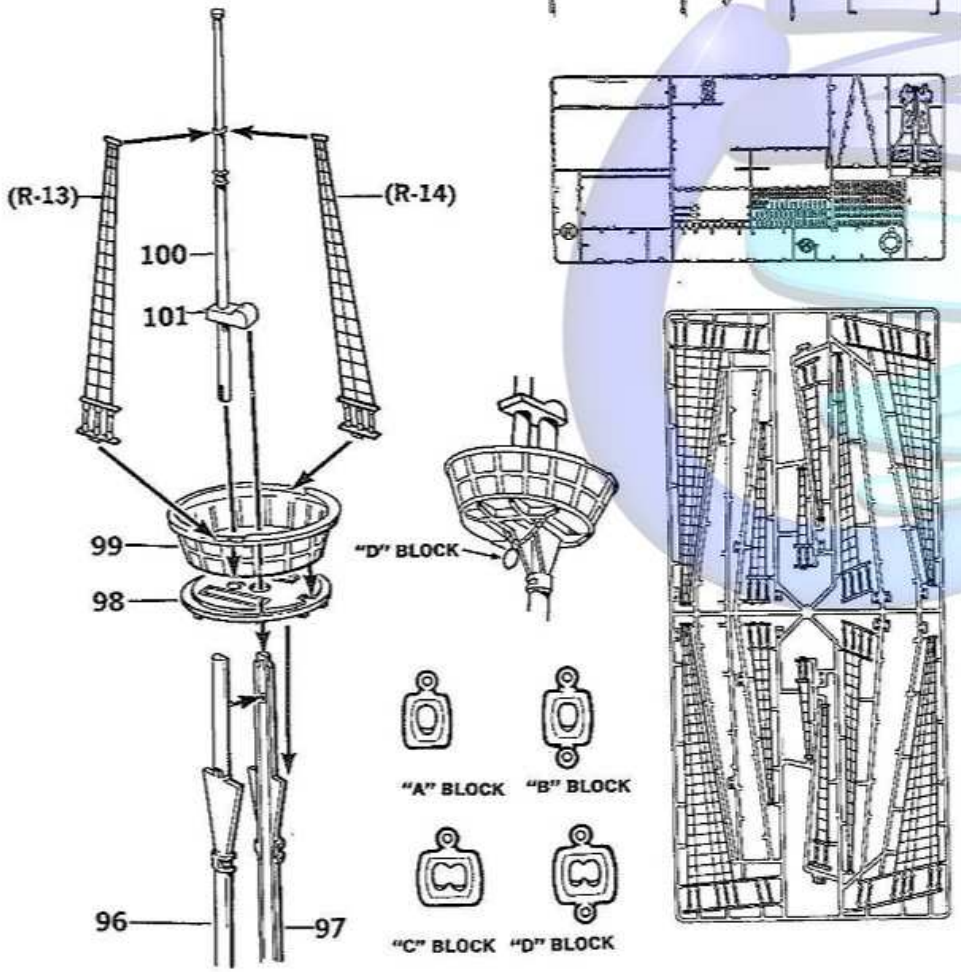


17 MIZZENMAST ASSEMBLY

1. Cement the Left **(96)** and Right **(97)** MIZZENMASTS together.
2. Cement the MAST TOP BASE **(98)** and Sides **(99)** to MAST.
3. Assemble TOPMAST **(100)** and MAST CAP **(101)** to MAST.
4. Install RIGGING BLOCKS as noted.
5. Cement RATLINES **(R-13)** and **(R-14)** to Assembly.

96 MIZZENMAST LEFT SIDE
97 MIZZENMAST RIGHT SIDE
98 MAST TOP BASE
99 MAST TOP SIDES
100 MIZZEN TOPMAST
101 MAST CAP
(R-13) (R-14) MIZZEN UPPER RATLINES

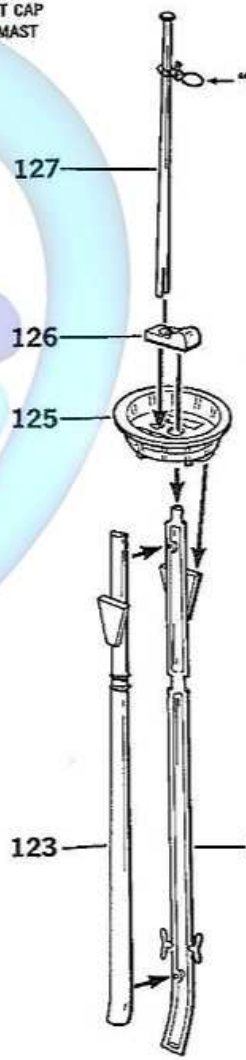
"A" RIGGING BLOCK (1 Part)
"B" RIGGING BLOCK (1 Part)
"C" RIGGING BLOCK (2 Parts)
"D" RIGGING BLOCK (1 Part)

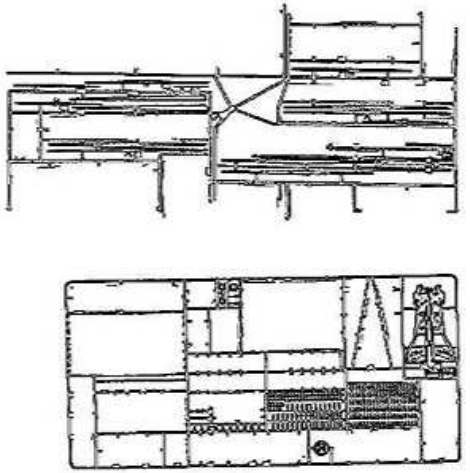


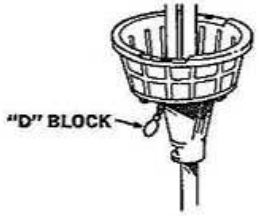
18 BONAVENTURE MAST ASSEMBLY

1. Cement the Left **(123)** and Right **(124)** MAST HALVES together.
2. Cement the MAST TOP **(125)**, MAST CAP **(126)** and TOPMAST **(127)** to MAST.
3. Install RIGGING BLOCKS as shown.

123 BONAVENTURE MAST LEFT SIDE
124 BONAVENTURE MAST RIGHT SIDE
125 BONAVENTURE MAST TOP
126 BONAVENTURE MAST CAP
127 BONAVENTURE TOPMAST



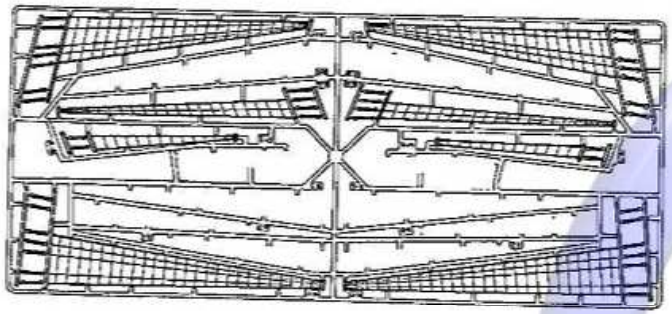


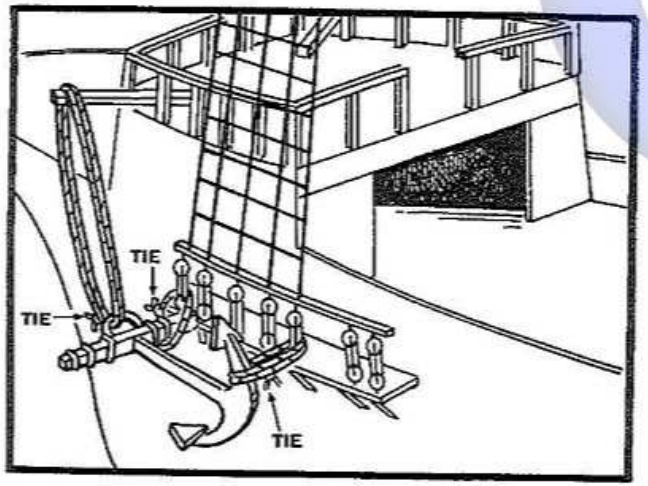


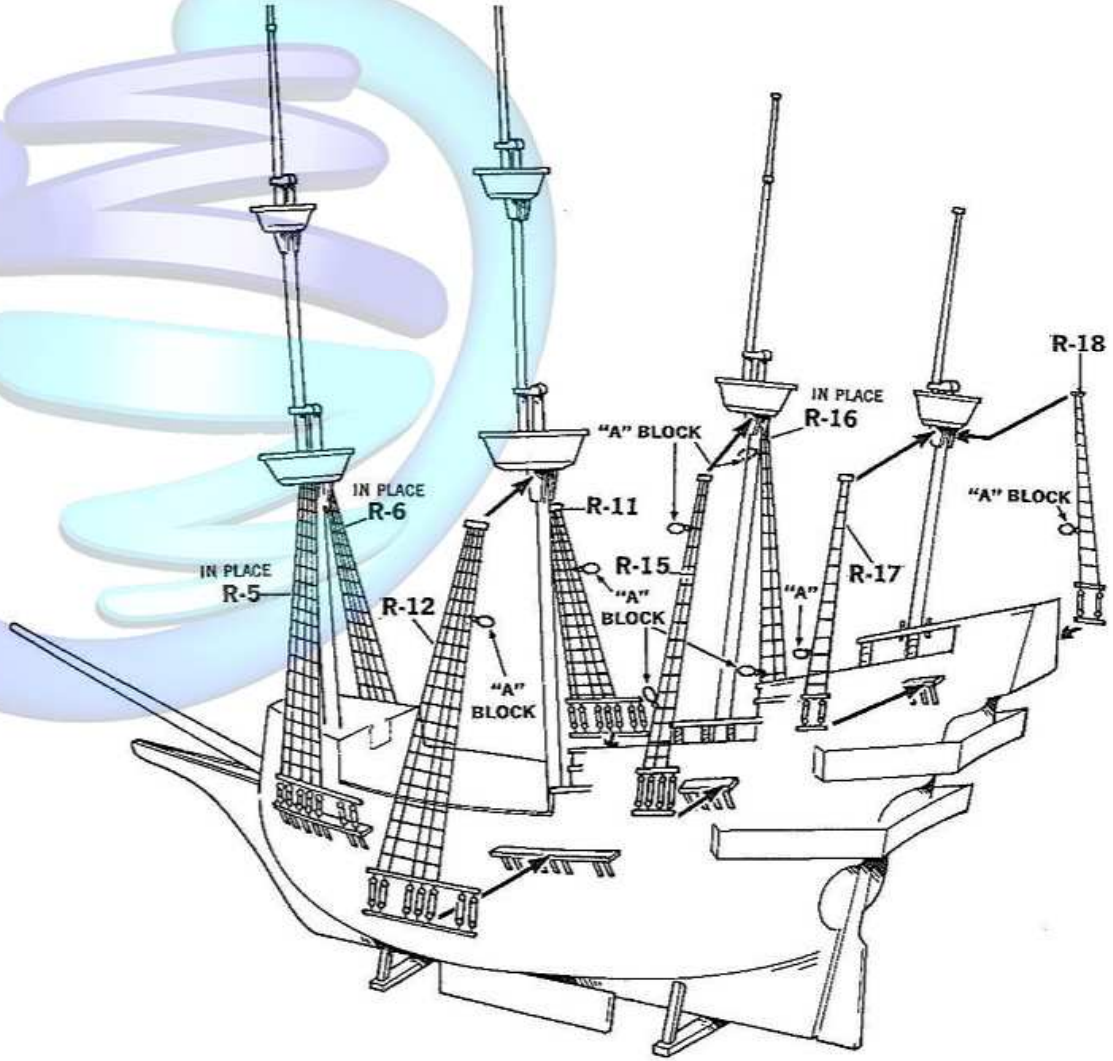
MASTS AND LOWER RATLINES

R-5 FOREMAST RATLINE LEFT
R-6 FOREMAST RATLINE RIGHT
R-11 MAINMAST RATLINE LEFT
R-12 MAINMAST RATLINE RIGHT
R-15 MIZZENMAST RATLINE LEFT
R-16 MIZZENMAST RATLINE RIGHT

1. Cement FOREMAST from **Step 15** to FORECASTLE DECK and MAIN DECK.
2. Cement RATLINES **(R-5)** and **(R-6)** to CHAIN PLATES and MAST below MAST TOP.
3. Cement MAINMAST from STEP 16 to MAIN DECK. Tie BLOCKS as noted, then cement RATLINES **(R-11)** and **(R-12)** to CHAIN PLATES and MAST.
4. Cement MIZZENMAST from **STEP 17** and RATLINES **(R-15)** and **(R-16)** in position. Tie BLOCKS to RATLINES as indicated.
5. Cement BONAVENTURE MAST from **STEP 18** and RATLINES **(R-17)** and **(R-18)** in position. Tie BLOCKS to RATLINES as indicated.
6. Check alignment of all MASTS and RATLINES and make adjustments if required before cement has set.
7. Stow ANCHORS to Sides of HULL as shown with heavy Tan THREAD.







RIGGING BLOCKS FORE, MAIN AND MIZZEN YARDS

102	FOREYARD TOP	109	MAIN TOPGALLANT YARD
103	FOREYARD BOTTOM	110	MIZZEN LOWER YARD LEFT
104	FORE TOPSAIL YARD	111	MIZZEN LOWER YARD RIGHT
105	FORE TOPGALLANT YARD	112	MIZZEN UPPER YARD
106	MAINMAST MAIN YARD TOP	"A"	RIGGING BLOCK (56 Parts)
107	MAINMAST MAIN YARD BOTTOM	"C"	RIGGING BLOCK (5 Parts)
108	MAIN TOPSAIL YARD		

1. The Three YARDS on both the FORE and MAIN MASTS have the same number and type of RIGGING BLOCKS installed in the same position. Cement Halves of FORE MAIN YARD **(102)** and **(103)** together. Remove FORE TOPSAIL YARD **(104)** and TOP GALLANT YARD **(105)** from Tan Section and install BLOCKS as indicated and set aside.
2. Duplicate above assembly with MAINMAST YARDS using Parts **(106)**, **(107)** and **(108)** and **(109). DO NOT INTERMIX** with FOREMAST YARDS.
3. Cement MIZZEN YARD **(110)** and **(111)** together and install BLOCKS as indicated.
4. Install BLOCKS on BONAVENTURE YARD **(112)** as indicated.

