

FRIGATE USS UNITED STATES



H-396-3800-A



In 1794, the Congress of the United States passed an act authorizing the construction of six frigates and provided funds for their equipment and crews. Three of the new ships would have 36 guns (later raised to 38), and the other three were somewhat larger and rated as 44 gun frigates. Although rated as 36's and 44's, these ships had space and gunports provided for up to 56 and 60 guns respectively.

The purpose for which these vessels were intended was the protection of American merchant vessels from the Barbary pirates, particularly those operating through the instigation of the Dey of Algiers. The construction proceeded in anything but a smooth fashion. Delays caused by lack of materials, lack of suitable timber, and constantly changing specifications combined to slow construction to an extremely slow pace. Thus it was that in 1795 when a peace treaty was signed with Algiers that all work was stopped on the ships. Another act permitted the three most complete of the frigates, two 44's and a 38, to be finished.

Two years later the first of the 44's was launched. On May 10, 1797, the UNITED STATES slid down the ways at Philadelphia and into the water. The ways were so steep, however, that she was damaged by coming off them too fast.

While fitting out, much latitude was given her first captain who sparred, rigged, and gunned her as he saw fit. He also built a 'round-house' on her afterdeck to house himself and his wife while in port. Captain John Barry's weighty addition to the stern of the UNITED STATES not only set her apart from her sister ships CONSTITUTION and PRESIDENT but nearly ruined her handling qualities and trim as well.

Her first actions were in 1798 when, during the 'Quasi-War' with France, she was dispatched to the West Indies to attack French bases and destroy provisions. She returned after capturing two French privateers but accomplished little else.

However, during the War of 1812, on October 25, she met the British Frigate MACEDONIAN, a crack ship just out of overhaul and spoiling for battle. Captain John Caden, in the MACEDONIAN, first thought the UNITED STATES to be the smaller ESSEX, of only short range armament, so he endeavored to keep some distance between the ships and fought at long range. Captain Stephen Decatur found this style of fighting much to his liking and proceeded to disassemble the MACEDONIAN with two hours of excellent Yankee gunnery practice. He even selected just what pieces of the MACEDONIAN were to be shat away so that her value as a prize would not be impaired! This victory provided as great a morale boost to the American people as it shocked the British public and was a factor in firmly establishing the U.S. Navy as one of the forces to be reckoned with among the world's sea powers.

The UNITED STATES served on with the Navy and, like her contemporary the CONSTITUTION, might have been rebuilt and preserved except for an unfortunate circumstance. Eight days after the beginning of the American Civil War she was at the Norfolk, Virginia, Navy Yard in a very decayed condition and had to be sunk to prevent her use by the Confederates. Raised in 1865, she was in such bad condition that in 1866 she was finally broken up for scrap.

GENERAL INFORMATION

FOR BEST RESULTS, READ THIS FIRST

1. Since this kit is molded of styrene plastic, use only styrene type cement. **DO NOT LET CEMENT TOUCH YOUR EYES, FURNITURE OR CLOTHING.**
2. Apply cement sparingly. Excess cement may run and damage the details on your model.
3. Carefully trim any excess plastic from parts and check fits before assembling. This will result in parts fitting together perfectly, and also enable moving parts to move freely.

THIS IS VERY IMPORTANT

4. All parts are numbered for easy identification, or the numbers are engraved on the runner next to the Part. Carefully remove each Part from runner only when that part is to be used.
5. Carefully follow the written instructions in each assembly step. "L" indicates LEFT SIDE. "R" indicates RIGHT SIDE.
6. Paint all the parts where indicated with a

flag and allow to dry before assembling.

7. Carefully follow these numbered steps, for ease in building your model.
8. Tools and materials recommended for the easiest assembly of this model are as follows:

MODEL BLINDERS
KNIFE & BLADES scraping & trimming
SMALL FILES finishing & fitting

FINE SANDPAPER & STEEL WOOL finishing & fitting
BEESWAX rigging
SMALL PAINT BRUSHES painting & cement
TWEEZERS assembly & rigging
SCISSORS rigging
DRILL 1/32 Dia. cleaning holes & rigging
CLOTHES PINS clamping
MASKING TAPE holding & painting
TURPENTINE cleanup & antiquing

HULL PAINTING

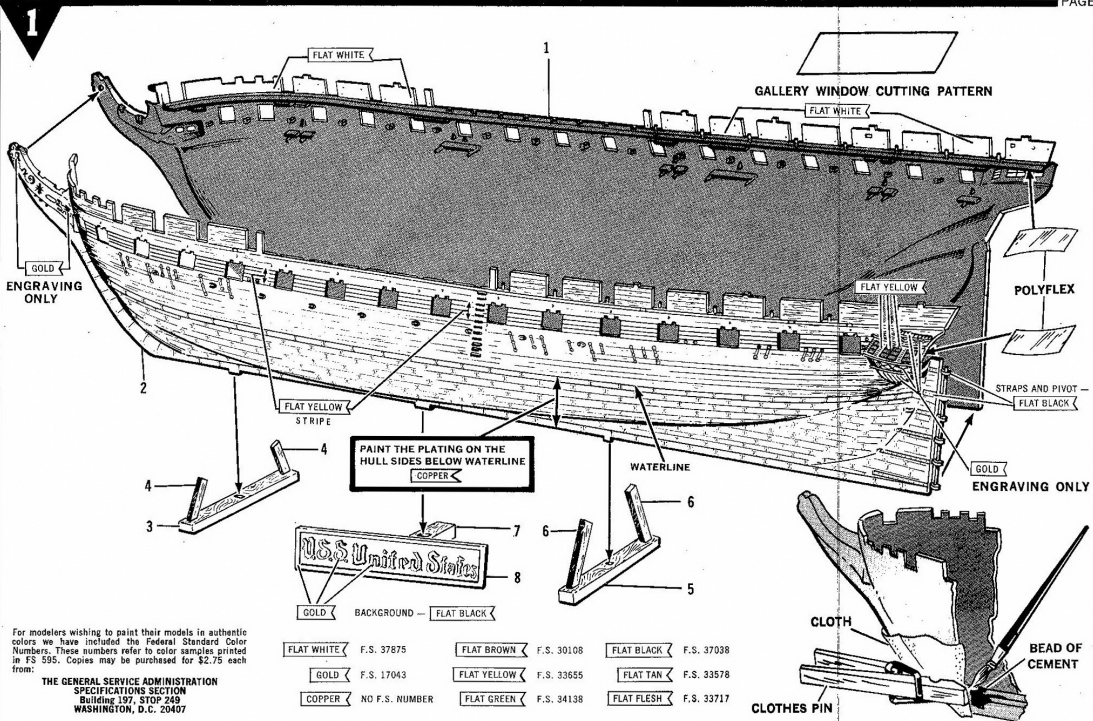
To obtain the maximum in appearance for your model follow these suggestions for painting the hull halves. Apply masking tape to the hull sides above the water line (the top row of engraved plates) and paint the bottom copper. Let dry for 24 hours.

If you wish to antique the hull use leaf green and white enamel thinned with turpentine. Use tissue to stroke each "wash" downward towards keel to create a "Corroded" look. Apply colors at random and blend doing the entire hull half at the same time. Allow both sides to

dry thoroughly. Then make a thin "wash" of black enamel and turpentine and lightly dab the exterior. **Allow hull sides to dry completely before assembly.**

The following procedure is suggested to antique the Decks:

Paint with a thin coat of black enamel. When dry (24 hours), paint with thin coat of wood tan color. A small dab of green should be added to wood tan. When thoroughly dry, use 600 grit carborundum paper to lightly sand top of wood grain engraving until black shows.



For modelers wishing to paint their models in authentic colors we have included the Federal Standard Color Numbers. These numbers refer to color samples printed in FS 595. Copies may be purchased for \$2.75 each from:

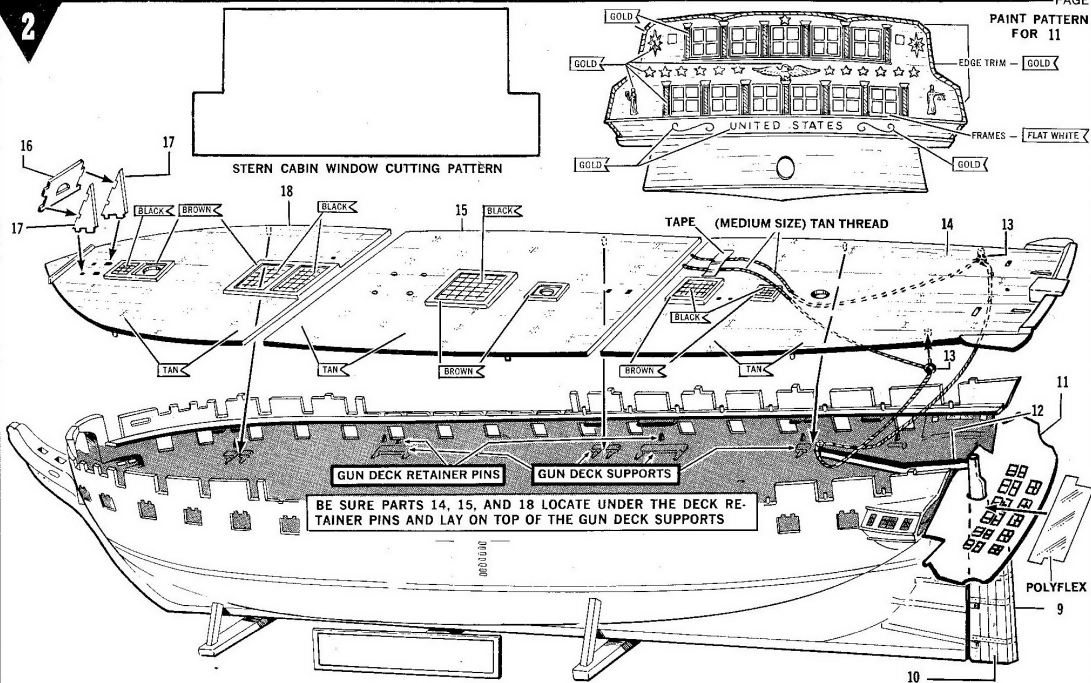
THE GENERAL SERVICE ADMINISTRATION
SPECIFICATIONS SECTION
Building 197, STOP 249
WASHINGTON, D.C. 20407

FLAT WHITE	F.S. 37875	FLAT BROWN	F.S. 30108	FLAT BLACK	F.S. 37038
GOLD	F.S. 17043	FLAT YELLOW	F.S. 33655	FLAT TAN	F.S. 33578
COPPER	NO F.S. NUMBER	FLAT GREEN	F.S. 34138	FLAT FLESH	F.S. 33717

BLACK 1 HULL, STBD. HALF
BLACK 2 HULL, PORT HALF
BROWN 3 FWD. STAND BASE
BROWN 4 FWD. STAND UPRIGHTS (2)
BROWN 5 REAR STAND BASE
BROWN 6 REAR STAND UPRIGHTS (2)
BROWN 7 CENTER STAND BASE
BROWN 8 NAMEPLATE

Carefully cut from sheet of clear polyflex and to the pattern provided, two sets of Gallery windows. Apply cement to the insides of Gallery walls and window frames of Parts 1 and 2 and cement windows in place as shown. Next, cement together Parts 1 and 2 using clothes pins or paper clamps for clamping as shown in

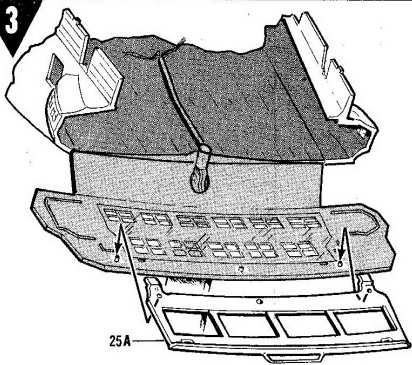
small drawing. Now, into Part 3 cement (2) Parts, 4, into Part 5, (2) Parts 6 and to Part 7, Part 8. Cement these assemblies in position on the Hull. Finally, run a bead of cement along the joint line on the inside of the Hull. Set aside to dry.



- BLACK 9 RUDDER STBD. HALF
- BLACK 10 RUDDER PORT HALF
- BLACK 11 GALLERY STERN
- BLACK 12 TILLER
- BLACK 13 EYEBOLTS (2)
- LIGHT BROWN 14 GUN DECK, AFT
- LIGHT BROWN 15 GUN DECK, AMIDSHIP
- BROWN 16 BOWSPRIT LOCATOR
- BROWN 17 BOWSPRIT LOCATOR SIDES (2)
- LIGHT BROWN 18 GUN DECK, FORE

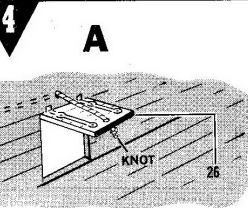
Check Parts 9 and 10 for freedom of movement around the Hull Rudder Hinge Pin. Now cement Part 9 to Part 10, trapping between them the Hull Rudder Hinge Pin. Be careful to keep cement away from Hinge Pin or your rudder will not turn. Now cut to the pattern and cement in position on Part 11 your Stern Cabin Windows. Place, DO NOT CEMENT Part 11 over Rudder then cement in position Part 12. Next cement (2) Parts 13 to the underside of Part 14. To rig your rudder, take a 24" length

of the [medium size] tan colored thread and halfway along, tie securely through the hole in the tiller. Now thread each end through the eyebolts and holes in Part 14 and tape to deck as shown. Next, carefully spring your Hull halves apart and snap, DO NOT CEMENT, Part 14 into position. Now snap, DO NOT CEMENT, into position Part 15. Cement (2) Parts 17 to 18. Cement 16 to 17. Carefully snap this deck into place.



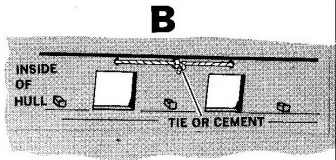
BROWN 25 A TAFFRAIL

Cement Part 25-A to Gallery Stern Part 11 as shown.

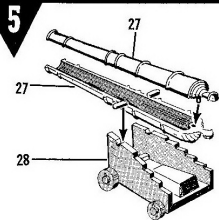
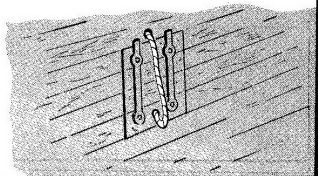


BLACK 26 GUNPORT COVERS (32)

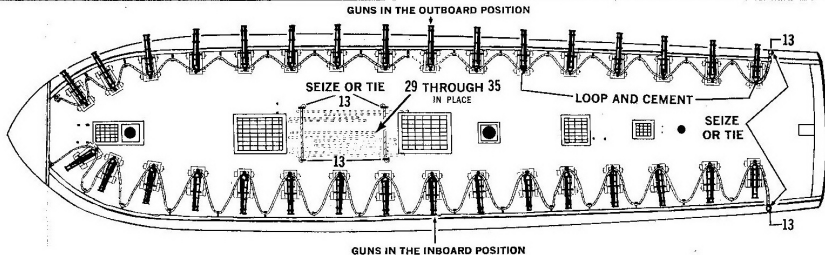
Cement thirty-two parts 26 to HULL in either an OPEN or CLOSED position. Drawing A above shows Gunport OPEN, C shows Gunport CLOSED, and B shows two gunport lines tied together. Refer to Step 5 for Gun positions. Use (medium size) diameter tan colored thread to rig Gunport Covers.



C

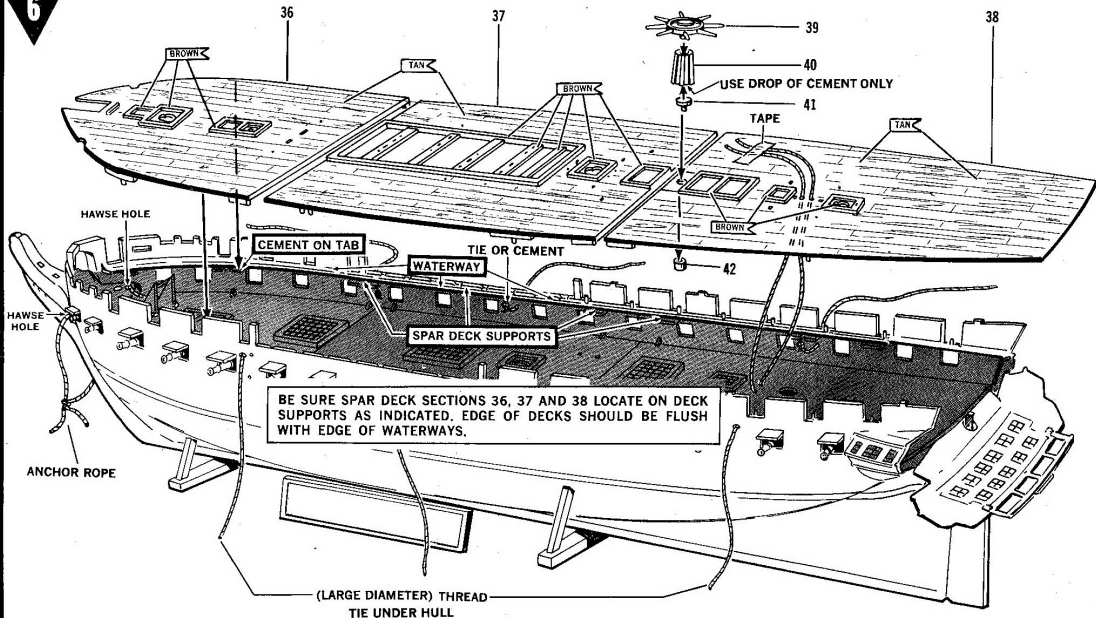


- BLACK 13 EYEBOLT (6)
 BLACK 27 GUN BARREL HALVES (66)
 BROWN 28 GUN CARRIAGE (32)
 BROWN 29 STUDDING SAIL YARDS (6)
 BROWN 30 STUDDING SAIL YARDS (2)
 BROWN 31 STUDDING SAIL YARDS (2)
 BROWN 32 STUDDING SAIL YARDS (2)
 BROWN 33 STUDDING SAIL YARDS (2)
 BROWN 34 STUDDING SAIL YARDS (4)
 BROWN 35 STUDDING SAIL YARDS (2)



Cement (66) Parts 27 together to give you a total of 33 Gun Barrels. Set one Barrel aside for Bow chase assembly later. Cement the other to (32) Parts 28. Now, cement (6) Parts 13 in place as shown. For rigging Guns, use a 60 inch piece of (LARGE DIAMETER) TAN THREAD and rig one end to each Part 13 at the rear. See the back page for rigging information, seizing, etc. Next, place a drop of cement on the Gun Carriage Wheels and

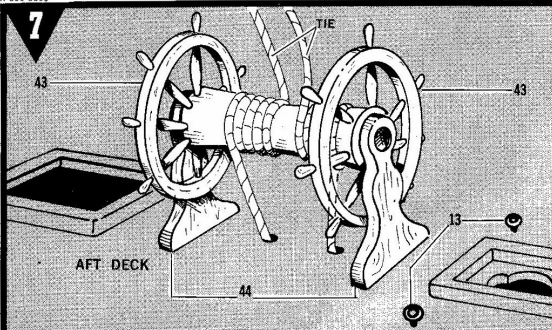
cement your guns in the positions you desire. Loop the Thread around back of the Gun Barrel and tie at the pin on the Ship's Hull. Cement Thread to pin, then continue around the next gun, etc. On completion of one side, repeat this procedure along the other side of the ship. When not in use, the spare Studding Sail Yards Parts 29 through 35 were usually lashed to the Gun Deck as shown.



LIGHT BROWN 36 SPAR DECK, FORE
 LIGHT BROWN 37 SPAR DECK, AMIDSHIP
 LIGHT BROWN 38 SPAR DECK, AFT
 BROWN 39 CAPSTAN TOP
 BROWN 40 CAPSTAN
 BROWN 41 CAPSTAN PIN
 BROWN 42 CAPSTAN CAP

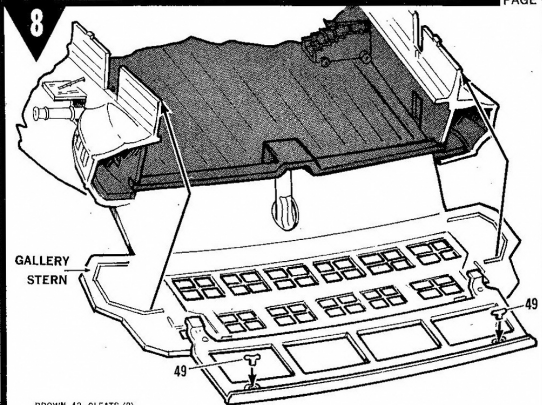
Cut six 24 inch lengths, three for Starboard side and three for Port side, of the large diameter tan thread. Thread through sheave holes in Hull and tie and cement to pin on inside of Hull as shown. Loose ends tie out of the way underneath Hull. Now thread the 12 inch length of anchor rope through hawse holes passing around Bowsprit locator on Gun Deck. Tie loose

ends as before. Next cement in position Parts 36 and 37. Before cementing Part 38 into place, cement together Parts 39, 40 and 41, insert the pin of this assembly through the hole in the deck and cement on Part 42. Do not let cement touch the deck or Capstan will not turn. Now thread the rudder ropes through the holes in the deck and cement Part 38 into place.



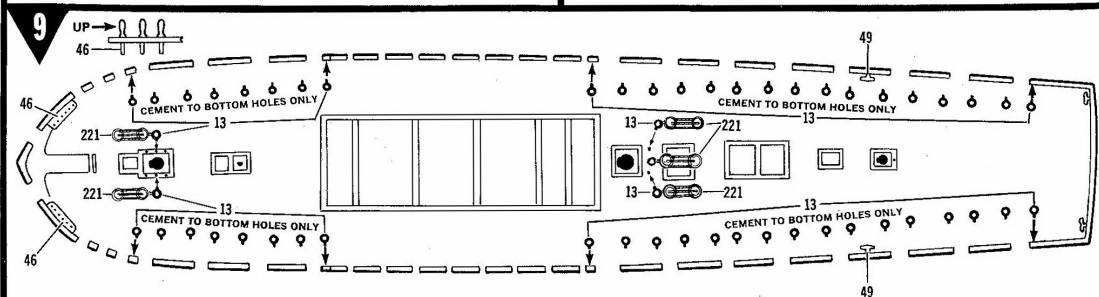
BLACK 13 EYEBOLTS (2)
BROWN 43 WHEEL (2)
BROWN 44 WHEEL SUPPORTS (2)

Cement (2) Parts 43 together, be sure not to let cement run out of the joint or your rudder rope may not run free. Next cement (2) Parts 13 onto Deck. Next, cement (2) Parts 44 into position trapping your wheel assembly between the supports. Now center your rudder and wrap your rudder ropes around the wheel in opposite directions, six turns to each rope. Tie ropes together as shown.



BROWN 42 CLEATS (2)

Carefully cement Gallery Stern assembly into position on Ship Stern as shown. Cement (2) Parts 49 to the Taff Rail as shown.



BLACK 13 EYEBOLTS (53)
BROWN 46 FORE FINRAILS (2)
BROWN 49 CLEATS (10)
BLACK 221 LARGE BULLSEYE (5)

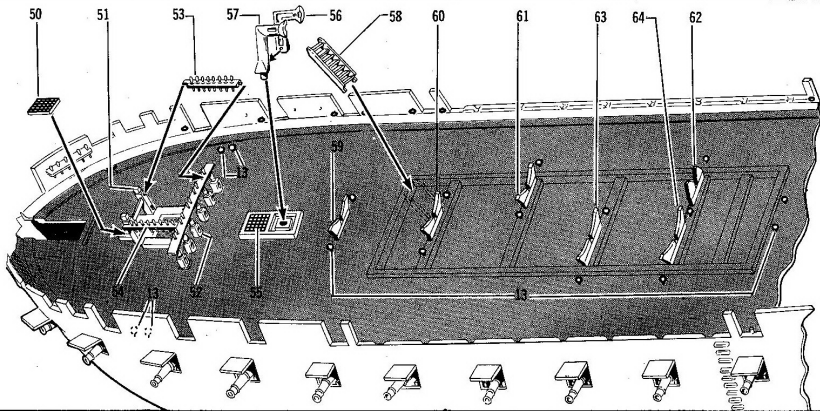
NOTE: MAKE SURE HOLES IN EYEBOLTS Parts 13 ARE OPEN
Cement into place as shown (48) Parts 13, (2) Parts 46, and (2) Parts 49.
Tie (5) Parts 13 to (5) Parts 221 and cement Parts 13 to Deck.

SPAR DECK PLAN VIEW

10

- BLACK 13 EYEBOLTS (17)
- BLACK 50 GRATING (2)
- BROWN 51 FORE CROSSRAIL
- BROWN 52 FORE FIFERAIL
- BROWN 53 STARBOARD FIFE PINRAIL
- BROWN 54 PORT FIFE PINRAIL
- BLACK 55 GRATING
- BLACK 56 GALLEY FUNNEL STARBOARD HALF
- BLACK 57 GALLEY FUNNEL PORT HALF
- BROWN 58 LADDER (3)
- BROWN 59 BOAT CRADLE
- BROWN 60 BOAT CRADLE
- BROWN 61 30AT CRADLE
- BROWN 62 BOAT CRADLE
- BROWN 63 BOAT CRADLE
- BROWN 64 BOAT CRADLE

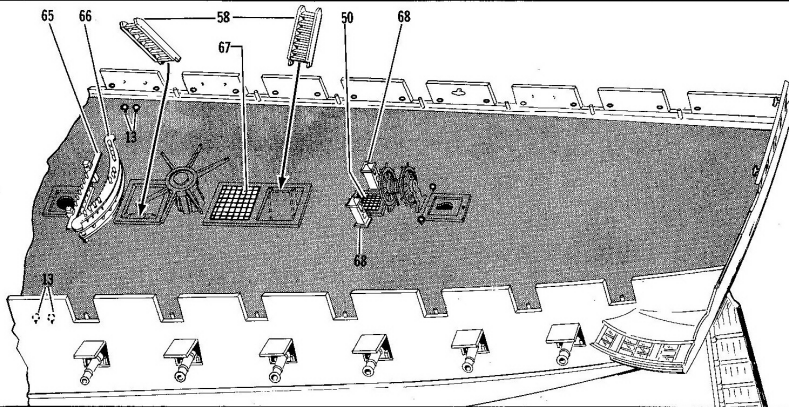
Cement into place (17) Parts 13, Parts 50, 51 and 52. Carefully cement rear locator tabs of Parts 53 and 54 into Fiferail and then cement forward ends into position on the Fore Crossrail. Now cement into deck Part 55, then Parts 56 and 57 to each other. Cement into place funnel assembly, (1) Part 58 and Parts 59 through 64 as shown.



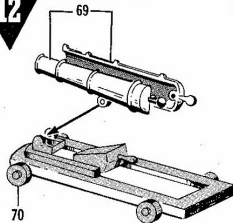
11

- BLACK 13 EYEBOLTS (4)
- BROWN 58 LADDERS
- BROWN 65 MONKEY RAIL
- BROWN 66 MAIN FIFERAIL
- BLACK 67 GRATING
- BLACK 50 GRATING
- BLACK 68 BINNACLES (2)

Cement in place as shown (4) Parts 13, (2) Parts 58, Parts 65, 66, 67, 50, and (2) Parts 68.



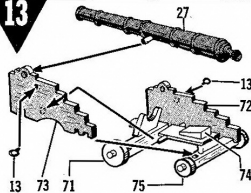
12



BLACK 69 GUN BARREL HALVES (44)
BROWN 70 FORECASTLE GUN CARRIAGES (6)

Cement (12) Parts 69 together to give you (6) Gun Barrels. Snap these into place in (6) Parts 70. Set aside.

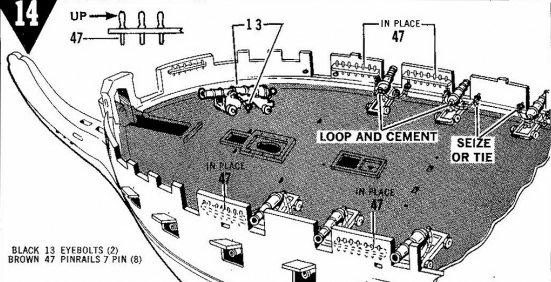
13



BLACK 13 EYEBOLTS (2)
BROWN 71 BOW CHASER FRONT WHEELS
BROWN 72 BOW CHASER RIGHT SIDE
BROWN 73 BOW CHASER LEFT SIDE
BROWN 74 BOW CHASER BASE
BROWN 75 BOW CHASER REAR WHEELS
BLACK 27 BOW CHASER GUN BARREL

Cement Parts 71 through 75 together as shown, trapping between the side pieces the Gun Barrel which you assembled in Step 5. Now cement (2) Parts 13 in place.

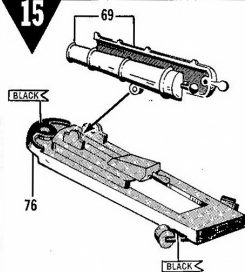
14



BLACK 13 EYEBOLTS (2)
BROWN 47 PINRAILS 7 PIN (8)

Cement (2) Parts 13 into place on the Main Deck. Cement (3) Forecastle Guns to pins on each side of the Main Deck. Using the LARGE DIAMETER TAN THREAD and rig the (6) Guns to the Eyebolts in the Hull Sides as shown. Cement the Bow Chaser Gun, from Step 13 to the Deck and rig as shown with LARGE TAN THREAD. Cement (4) Parts 47 to the Hull sides as shown (in place).

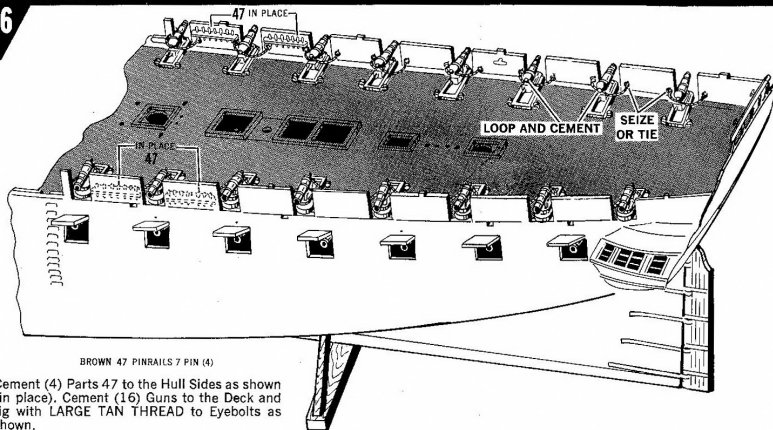
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BLACK 69 GUN BARREL HALVES
BROWN 76 QUARTERDECK GUN CARRIAGES (16)

Cement (32) Parts 69 together, giving you 16 Gun Barrels. Snap these into place in (16) Parts 76.

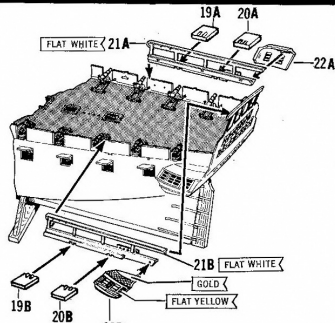
16



BROWN 47 PINRAILS 7 PIN (4)

Cement (4) Parts 47 to the Hull Sides as shown (in place). Cement (16) Guns to the Deck and rig with LARGE TAN THREAD to Eyebolts as shown.

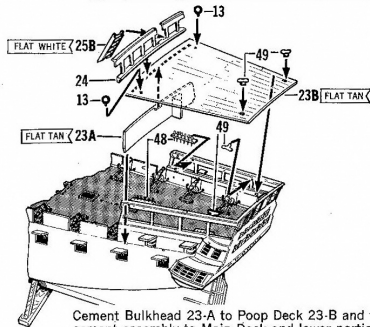
16 B



BLACK 19A GUNPORT COVER STBD., FRONT
 BLACK 19B GUNPORT COVER PORT, FRONT
 BLACK 20A GUNPORT COVER STBD., REAR
 BLACK 20B GUNPORT COVER PORT, REAR
 BROWN 21A DRIFT RAIL STBD.
 BROWN 21B DRIFT RAIL PORT
 BLACK 22A UPPER QUARTER GALLERY STBD.
 BLACK 22B UPPER QUARTER GALLERY PORT

Cement Drift Rails 21-A and 21-B to Hull Gunwales and Taffrail. Cement Gunport Covers 19-A, 19-B, 20-A and 20-B to lower half of Drift Rail. Cement Upper Quarter Galleries 22-A and 22-B to Hull.

16 C



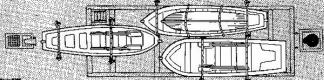
BLACK 13 EYEBOLTS (2)
 BROWN 23A ROUNDHOUSE BULKHEAD
 BROWN 23B POOP DECK
 BROWN 24 POOP RAIL
 BROWN 25B LADDER
 BROWN 48 PINRAILS (2)
 BROWN 49 CLEATS (4)

Cement Bulkhead 23-A to Poop Deck 23-B and then cement assembly to Main Deck and lower portion of Drift Rails. Cement Poop Rail 24 to Poop Deck and Drift Rails. Cement Ladder 25-B to Main Deck and base of Poop Rails. Cement two Pinrails 48 and two Cleats Parts 49 to inside of Drift Rails. Cement (2) Eyebolts 13 and (2) Cleats 49 to Poop Deck.

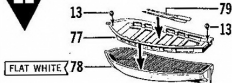
BLACK 13 EYEBOLTS (6)
 BROWN 77 23 FT. CUTTER SEATS
 LIGHT BROWN 78 23 FT. CUTTER HULL
 BROWN 79 OARS (34)
 BROWN 80 23 FT. JOLLYBOAT SEATS (2)
 LIGHT BROWN 81 23 FT. JOLLYBOAT HULL (2)
 BROWN 82 28 FT. CUTTER SEATS

LIGHT BROWN 83 28 FT. CUTTER HULL
 BROWN 84 30 FT. LAUNCH SEATS
 LIGHT BROWN 85 30 FT. LAUNCH HULL
 BROWN 86 30 FT. CUTTER SEATS
 LIGHT BROWN 87 30 FT. CUTTER HULL
 BROWN 88 20 FT. DINGHY SEATS
 LIGHT BROWN 89 20 FT. DINGHY HULL

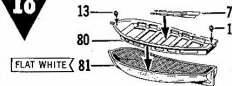
Cement Part 77 into Part 78, then into this assembly (2) Parts 13 as shown in Step 17. Parts 79 share amongst small boats as you wish. We suggest that you cement and lash these to the boat seats. Now cement (2) Parts 80 to (2) Parts 81 and into each of these assemblies, (2) Parts 13. These three boat assemblies set aside until the rigging of your boat davits. Next cement Parts 82 into 83, 84 into 85, 86 into 87, and 88 into 89. Follow Step 21 for dinghy placement. Now lash remaining boats into position on the Amidship section of the Spar Deck as shown in diagram below. **NOTE: USE SMALL TAN THREAD FOR RIGGING.**



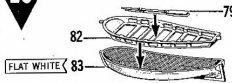
17



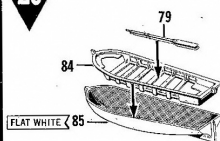
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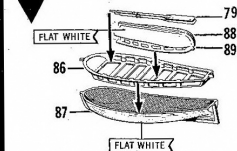
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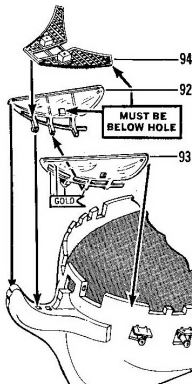
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21



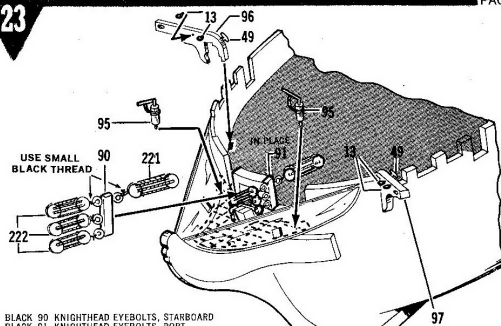
22



BLACK 92 HEAD TIMBERS STARBOARD
BLACK 93 HEAD TIMBERS PORT
BLACK 94 HEAD GRATING

Cement Parts 92 and 93 together, then cement these Parts to the Bow and Hull Sides. Cement Part 94 to 92 and 93. **NOTE: BE SURE THIS PART LOCATES BELOW THE HOLES IN 92 AND 93.**

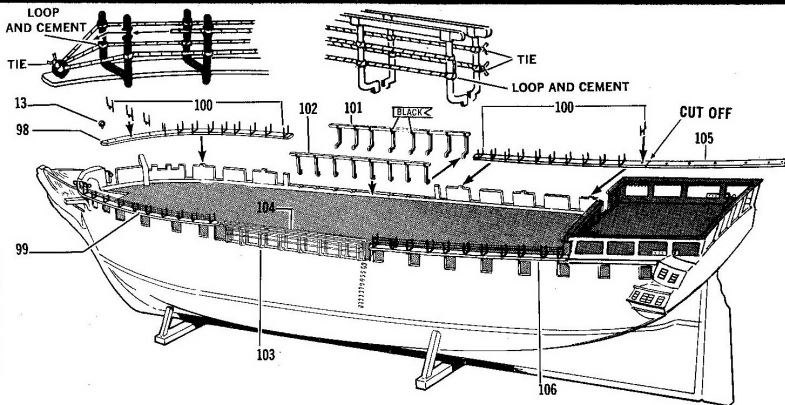
23



BLACK 90 KNIGHTHEAD EYEBOLTS, STARBOARD
BLACK 91 KNIGHTHEAD EYEBOLTS, PORT
BLACK 95 WATER PUMPS (2)
BLACK 96 CATHEAD, STARBOARD
BLACK 97 CATHEAD, PORT
BLACK 13 EYEBOLTS (4)
BROWN 49 CLEATS (2)
BLACK 221 LARGE BULLSEYES (2)
BLACK 222 SMALL BULLSEYES (6)

Tie (1) Part 221 and (3) Parts 222 to each Part 90 and 91, cement in place. Cement (2) Parts 95 into place. To each Part 96 and Part 97, cement (2) Parts 13 and (1) Part 49. Now cement Parts 96 and 97 into positions shown.

24



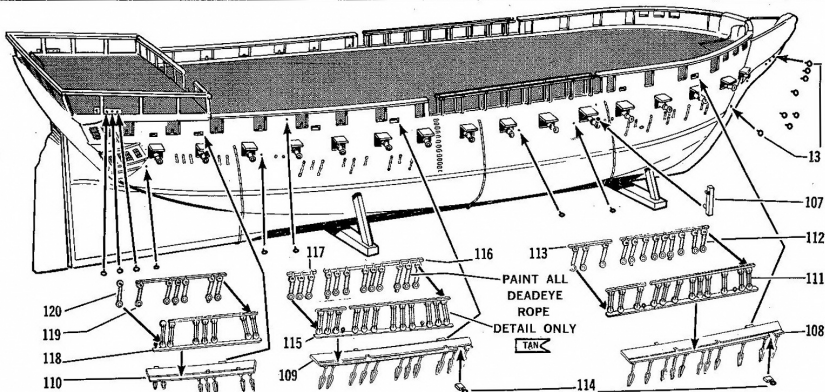
BLACK 13 EYEBOLTS (2)
BROWN 98 FORECASTLE RAIL, STARBOARD
BROWN 99 FORECASTLE RAIL, PORT
BLACK 100 STANCHIONS (64)
BROWN 101 AMIDSHIP OUTBOARD RAIL, STARBOARD
BROWN 102 AMIDSHIP INBOARD RAIL, STARBOARD
BROWN 103 AMIDSHIP OUTBOARD RAIL, PORT
BROWN 104 AMIDSHIP INBOARD RAIL, PORT
BROWN 105 QUARTERDECK RAIL, STARBOARD
BROWN 106 QUARTERDECK RAIL, PORT

Cement Parts 98 and 99 into place. To each of these cement (1) Part 13 and (12) Parts 100. Now start at the eyebolts and add your rope rigging as shown using the small diameter tan thread. Next cement together Parts 101 to 102 and 103 to 104. Cement these assemblies into position and add your rope detail. **CUT OFF** Parts 105 and 106 at line on underside. Cement into place and to each of these cement (11) Parts 100. Rig as before.

25

- BLACK 13 EYEBOLTS (16)
 BLACK 107 CHESSTREE (2)
 BLACK 108 FORE CHANNEL, STARBOARD
 BLACK 109 MAIN CHANNEL, STARBOARD
 BLACK 110 MIZZEN CHANNEL, STARBOARD
 BLACK 111 FORE DEADEYES, STARBOARD OUTSIDE HALF
 BLACK 112 FORE DEADEYES, STARBOARD INSIDE
 BLACK 113 FORE DEADEYES, STARBOARD INSIDE REAR
 BLACK 114 CHANNEL EYEBOLT PADS (2)
 BLACK 115 MAIN DEADEYE, STARBOARD OUTSIDE HALF
 BLACK 116 MAIN DEADEYE, STARBOARD INSIDE
 BLACK 117 MAIN DEADEYE, STARBOARD INSIDE REAR
 BLACK 118 MIZZEN DEADEYE, STARBOARD OUTSIDE HALF
 BLACK 119 MIZZEN DEADEYE, STARBOARD INSIDE
 BLACK 120 MIZZEN DEADEYE, STARBOARD INSIDE REAR

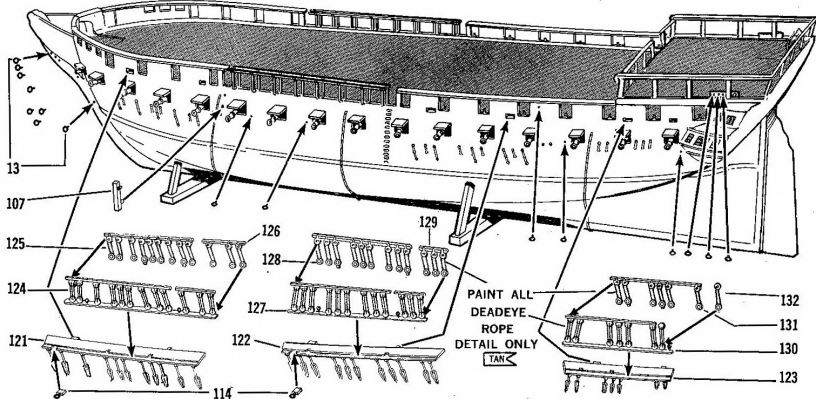
Cement into place (16) Parts 13 and Part 107. Thread rope from the sheave hole, through the hole in the Chesstree and retie beneath Hull. Now cement in position Parts 108, 109 and 110. Next cement together Parts 111, 112 and 113, being careful to keep cement away from the slots in the top rail through which you will later install your Shrouds and Ratlines. Cement this assembly to Part 108 and then cement in place Part 114. Assemble and cement in the same way, Parts 115, 116, 117, 114, 118, 119 and 120.



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- BLACK 13 EYEBOLT (16)
 BLACK 107 CHESSTREE
 BLACK 121 FORE CHANNEL, PORT
 BLACK 122 MAIN CHANNEL, PORT
 BLACK 123 MIZZEN CHANNEL, PORT
 BLACK 124 FORE DEADEYE, PORT OUTSIDE HALF
 BLACK 125 FORE DEADEYE, PORT INSIDE
 BLACK 126 FORE DEADEYE, PORT INSIDE REAR
 BLACK 127 MAIN DEADEYE, PORT OUTSIDE HALF
 BLACK 128 MAIN DEADEYE, PORT INSIDE
 BLACK 129 MAIN DEADEYE, PORT INSIDE REAR
 BLACK 130 MIZZEN DEADEYE, PORT OUTSIDE HALF
 BLACK 131 MIZZEN DEADEYE, PORT INSIDE
 BLACK 132 MIZZEN DEADEYE, PORT INSIDE REAR.
 BLACK 133 CHANNEL EYEBOLT PADS (2)

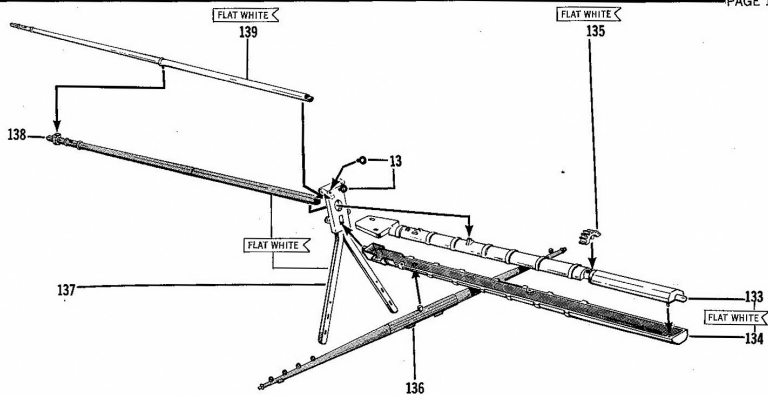
Cement in place (16) Parts 13 and Part 107. Thread rope from the sheave hole through Chesstree and then retie underneath Hull. Next cement in position Part 121, Part 122, and Part 123. Now assemble and cement in position, being careful to keep cement away from the slots in the top rail, Parts 124 through 132 & (2) Parts 114.



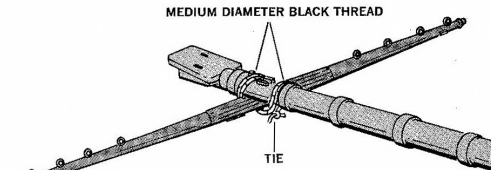
27

BLACK 13 EYEBOLTS (2)
 LIGHT BROWN 133 BOWSPRIT, TOP HALF
 LIGHT BROWN 134 BOWSPRIT, BOTTOM HALF
 LIGHT BROWN 135 BOWSPRIT, CLEATS
 BLACK 136 SPRIT SAIL YARD
 LIGHT BROWN 137 DOLPHIN STRIKER
 LIGHT BROWN 138 JIB-BOOM
 LIGHT BROWN 139 FLYING JIB-BOOM

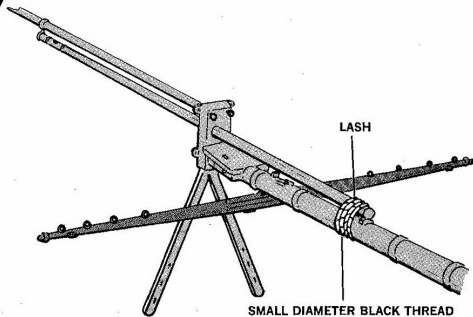
Cement together Parts 133 through 136. Now lash the Sprit Sail Yard Part 136 to Bowsprit as shown in Step 28 using the medium diameter black thread. Cement (2) Parts 13 into Part 137, then cement in place Parts 137, 138, and 139. Lash heel of Jib-Boom to Bowsprit as shown in Step 29 using the small diameter black thread.



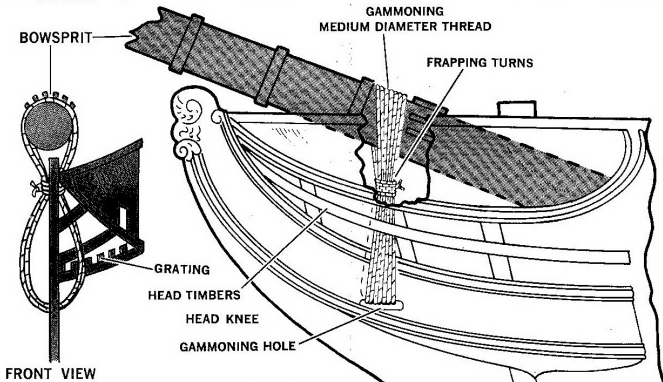
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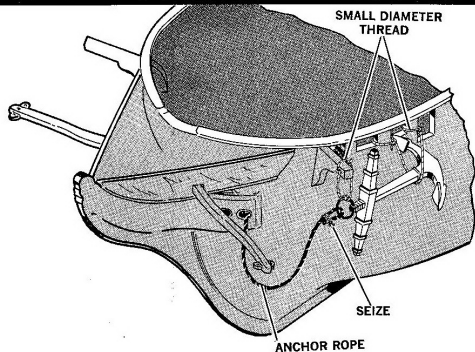
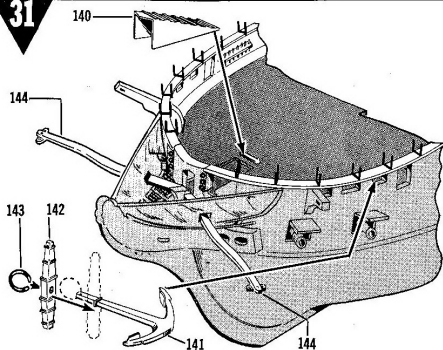


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Cement your Bowsprit in place, locating it through the Hull and into the Gun deck. For Gammoning, use a 24-inch length of the medium diameter black thread. Start by threading through the Gammoning Hole in the Head Knee, then up through the Head Timbers and Grating. Now cross your thread under, then around the Bowsprit and back to the other side so as to give a figure 8 effect. After six or seven turns as described above, tie off loose ends. Next with a short length of the same type thread, add your Frapping turns as shown.

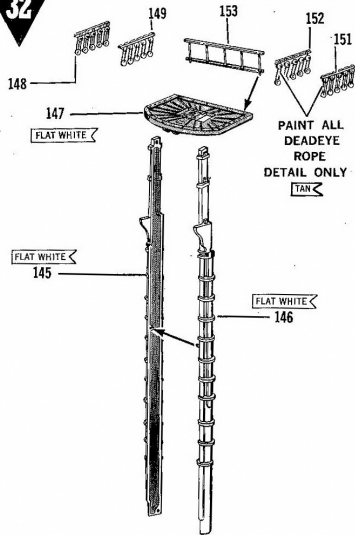
31



BROWN 140 BOWSPRIT BOX
 BLACK 141 ANCHORS (2)
 BROWN 142 ANCHOR STOCKS (2)
 BLACK 143 ANCHOR SHACKLES (2)
 BLACK 144 BOOMKINS (2)

Cement in position over Bowsprit Part 140. Now cement Part 141 to Part 142. Snap into this assembly Part 143 and rig as shown using the small diameter tan thread. Repeat for remaining Parts 141, 142, and 143. Cement in position (2) Parts 144.

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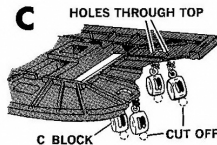
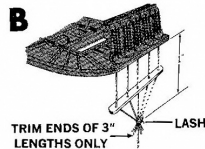
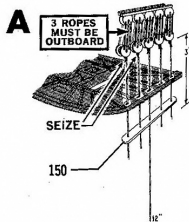


LIGHT BROWN 145 FORE LOWER MAST, HALF
 LIGHT BROWN 146 FORE TOPMAST, HALF
 LIGHT BROWN 147 FORE TOP
 BLACK 148 FORE TOP STARBOARD DEADEYES, OUTSIDE HALF
 BLACK 149 FORE TOP STARBOARD DEADEYES, INSIDE HALF

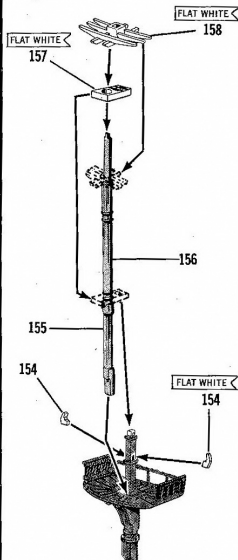
Cement together Parts 145 and 146. Before cementing Part 147 to the mast, attach to it your Deadeyes in the following manner. First, carefully cement to each other, Part 148 and Part 149. (See the small diagram A.) Now pass around the lower center deadeye one end of a 12" length of the medium diameter black thread and with the small diameter black thread, seize underneath. Other lower Deadeyes treat in the same manner with 3" lengths of thread. Next pass the ends of the threads through Part 147 and Part 150 as shown, in small diagram A. Pull the Deadeyes down onto the Top and Lash threads together one inch below the Top as shown in diagram B. Now pull

any loose thread through your lashing until all the threads have equal tension. Cement lashings and when dry, cut and trim away the ends of the short threads. Only leave long thread for use in a later assembly. Repeat in the same manner for Parts 151, 152, and 150. Now remove one of the eyes from each of (8) Type "C" Rigging Blocks. With the small diameter black thread, tie the (8) Blocks to the underside of the as shown in diagram C. Cement the Top into position on the Mast. Cement Part 153 into place. We suggest that you tape the loose Deadeye assemblies to the Top and the 12" Threads to the Mast until the Ratline installation later.

BLACK 150 FUTTOCK STAVE (4)
 BLACK 151 FORE TOP PORT DEADEYES, OUTSIDE HALF
 BLACK 152 FORE TOP PORT DEADEYES, INSIDE HALF
 LIGHT BROWN 153 FORE TOP RAIL
 BROWN RIGGING BLOCKS



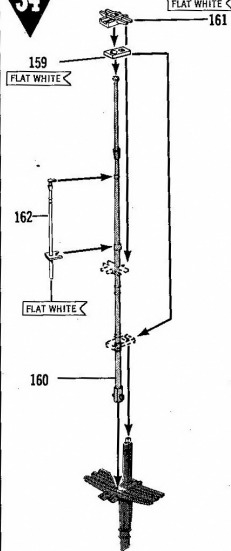
33



LIGHT BROWN 154 MAST CLEATS (2)
 LIGHT BROWN 155 FORE TOPMAST, HALF
 LIGHT BROWN 156 FORE TOPMAST, HALF
 LIGHT BROWN 157 FORE CAP
 LIGHT BROWN 158 FORE TOPMAST CROSSTREE

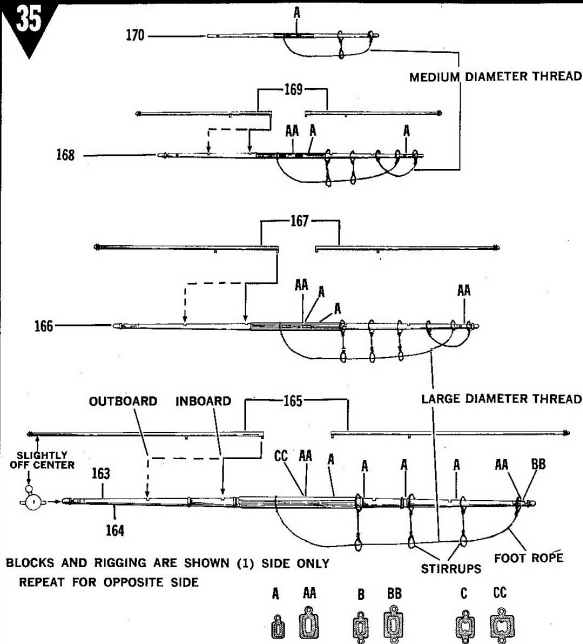
Cement (2) Parts 154 into Lower Mast assembly. Next, cement together Parts 155 and 156. Slide Part 157 down from above into place as shown with dotted lines. Position this assembly to Lower Mast, apply cement. Now cement into place Part 158.

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LIGHT BROWN 159 FORE TOPMAST CAP
 LIGHT BROWN 160 FORE TOP GALLANT MAST
 LIGHT BROWN 161 FORE TOP GALLANT CROSSTREE
 LIGHT BROWN 162 FORE ROYAL MAST

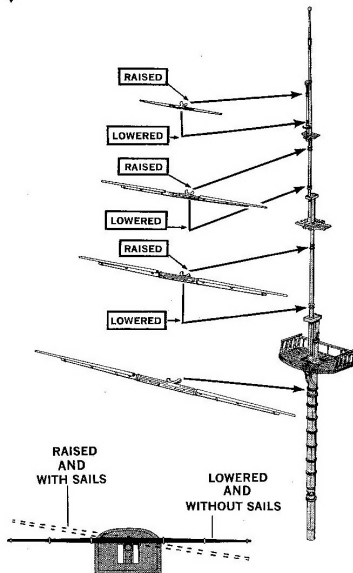
Slide Part 159 into place on Part 160. Position this assembly to Mast and Crosstree, then cement. Now cement Part 161 and Part 162 into place as shown.



BLOCKS AND RIGGING ARE SHOWN (1) SIDE ONLY
REPEAT FOR OPPOSITE SIDE

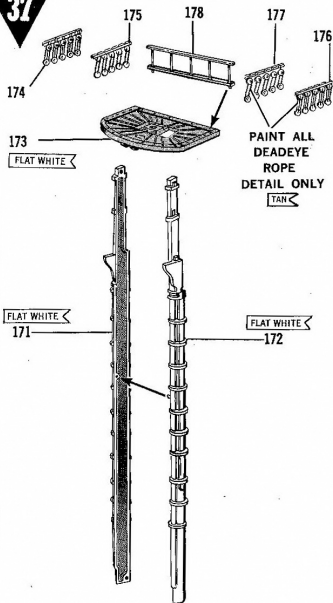
BLACK 163 FORE YARD, HALF
 BLACK 164 FORE YARD, HALF
 BROWN 165 FORE TOPSAIL STUDDING SAIL BOOM (2)
 BLACK 166 FORE TOPSAIL YARD
 BROWN 167 FORE TOP GALLANT STUDDING SAIL BOOM (2)
 BROWN 168 FORE TOP GALLANT YARD
 BROWN 169 FORE ROYAL STUDDING SAIL BOOM (2)

Cement Parts 163 and 164 to each other. Next, cement (2) Parts 165 into position. In port and without Sails, Studding Sail Booms would be in the inboard position. When at sea under full sail they would be in the outboard position. Now cement to Part 166, (2) Parts 167, and to Part 168, (2) Parts 169. Lash heels of booms as shown in drawing "E" on back page. Next attach Rigging Blocks, Stirrups and Footropes as shown. **FOR METHOD OF FASTENING BLOCKS AND STIRRUPS TO THE YARDS, REFER TO THE BACK PAGE OF THIS BOOKLET.**



The three Upper Yards can be fixed in either the Raised or Lowered position. The Yards can also be set at an angle. When in port, and without sails, the Yards were usually set square to the ship in the lowered position. However, a ship under full sail would have the Yards set at an angle. (See small diagram.) and in the raised position. First cement to the Mast, and at the desired angle, your Lower Yard. Now line up your other Yards to the same angle and cement in place.

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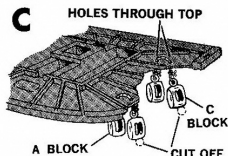
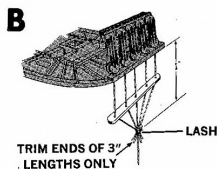
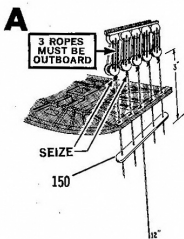


BLACK 150 FUTTOCK STAVE
 BLACK 176 MAIN TOP PORT DEADYEES, OUTSIDE HALF
 BLACK 177 MAIN TOP PORT DEADYEES, INSIDE HALF
 LIGHT BROWN 178 MAIN TOP RAIL
 BROWN RIGGING BLOCKS

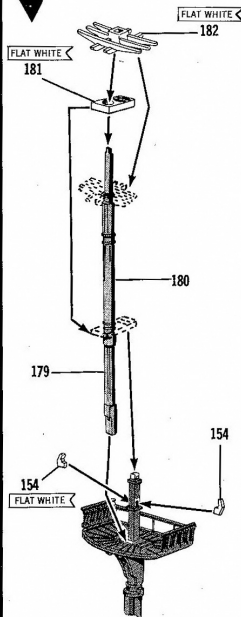
Cement together Parts 171 and 172. Now rigging in the same manner as used on the Foremast, to Part 173 attach Parts 174, 175, 176, 177 and (2) Parts 150. Remove one of the eyes from each of (4) Type "C" Rigging

LIGHT BROWN 171 MAIN LOWER MAST, HALF
 LIGHT BROWN 172 MAIN TOP, HALF
 LIGHT BROWN 173 MAIN TOP
 BLACK 174 MAIN TOP STARBOARD DEADYEES, OUTSIDE HALF
 BLACK 175 MAIN TOP STARBOARD DEADYEES, INSIDE HALF

Blocks. Tie these to the Top in the positions shown with small diameter black Thread along with (4) Type "A" Blocks. Now cement this assembly into position on your Mast. Cement Part 178 into place.



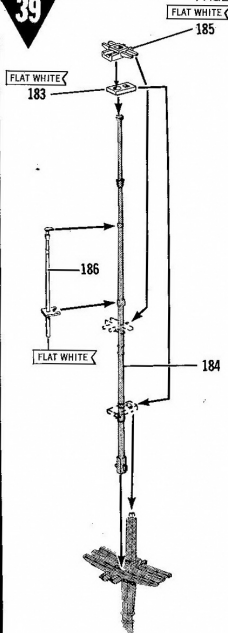
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LIGHT BROWN 154 MAST CLEATS (2)
 LIGHT BROWN 179 MAIN TOPMAST, HALF
 LIGHT BROWN 180 MAIN TOPMAST, HALF
 LIGHT BROWN 181 MAIN CAP
 LIGHT BROWN 182 MAIN TOPMAST CROSSTREE

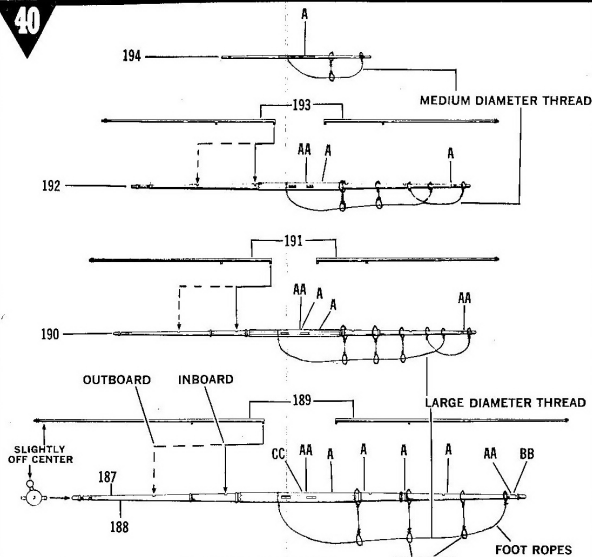
Cement (2) Parts 154 into place on your Main Lower Mast. Next cement together Parts 179 and 180. Slide Part 181 down from above as shown by dotted lines. Position this assembly to lower mast, then apply cement. Now cement Part 182 into place.

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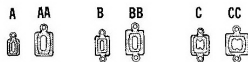


LIGHT BROWN 183 MAIN TOPMAST CAP
 LIGHT BROWN 184 MAIN TOP GALLANT MAST
 LIGHT BROWN 185 MAIN TOP GALLANT CROSSTREE
 LIGHT BROWN 186 MAIN ROYAL MAST

Slide Part 183 down over Part 184 and cement into position on your Mainmast assembly. Cement into place Parts 185 and 186 as shown.

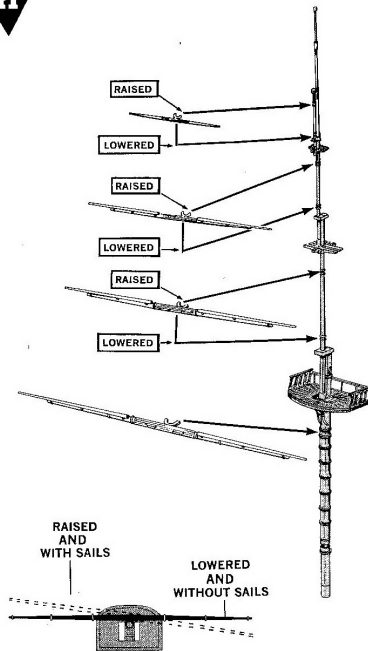


BLOCKS AND RIGGING ARE SHOWN (1) SIDE ONLY
REPEAT FOR OPPOSITE SIDE



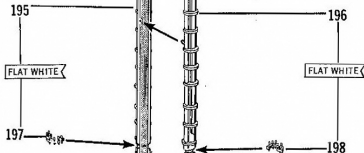
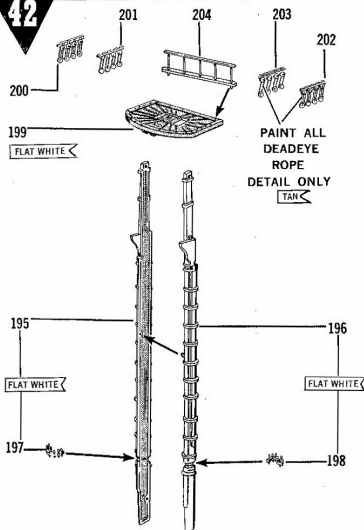
BLACK 187 MAIN YARD, HALF
BLACK 188 MAIN YARD, HALF
BROWN 189 MAIN TOPSAIL STUDDING SAIL BOOM (2)
BLACK 190 MAIN TOPSAIL YARD
BROWN 191 MAIN TOP GALLANT STUDDING SAIL BOOM (2)
BROWN 192 MAIN TOP GALLANT YARD
BROWN 193 MAIN ROYAL STUDDING SAIL BOOM (2)
BROWN 194 MAIN ROYAL YARD
BROWN RIGGING BLOCKS

Cement together Parts 187 and 188. Next cement (2) Parts 189 into place in the same position, inboard or outboard, as you assembled your Foremast. Now cement to Part 190 (2) Parts 191 and to Part 192 (2) Parts 193. Lash Heels of Booms. Rig blocks, stirrups and footropes as shown.



Cement all Yards to the Mast in the same positions and angle as your Foremast.

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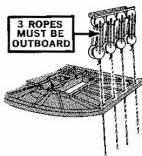


LIGHT BROWN 195 MIZZEN MAST, HALF
 LIGHT BROWN 196 MIZZEN MAST, HALF
 LIGHT BROWN 197 SPIDER BAND, HALF
 LIGHT BROWN 198 SPIDER BAND, HALF
 LIGHT BROWN 199 MIZZEN TOP
 BLACK 200 MIZZEN TOP STARBOARD DEADEYES, OUTSIDE HALF
 BLACK 201 MIZZEN TOP STARBOARD DEADEYES, INSIDE HALF
 BLACK 202 MIZZEN TOP PORT DEADEYES, OUTSIDE HALF
 BLACK 203 MIZZEN TOP PORT DEADEYES, INSIDE HALF
 LIGHT BROWN 204 MIZZEN TOP RAIL

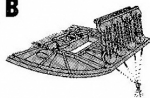
Cement together Parts 195, 196, 197, and 198. Now to Part 199 attach your Deadeyes in the following way. First cement together, Parts 200 and 201. Now fasten around each of your four lower Deadeyes a 3" length of

medium diameter black thread. Rig in place through Part 199 and loosely tie threads together under the Top. Repeat for Parts 202 and 203. Cement this assembly into position on your Mast. Cement Part 204 into place.

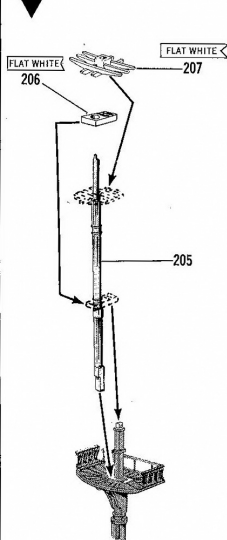
A



B



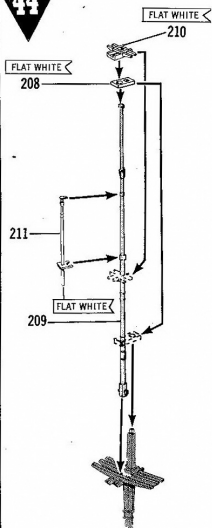
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LIGHT BROWN 205 MIZZEN TOPMAST
 LIGHT BROWN 206 MIZZEN CAP
 LIGHT BROWN 207 MIZZEN TOPMAST CROSSTREE

Over Part 205 slide Part 206, position as shown and cement. Now cement in place Part 207.

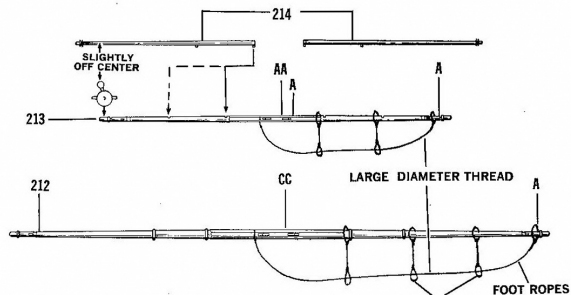
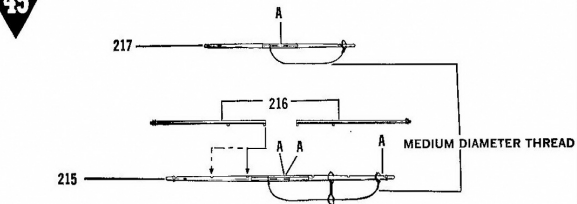
44



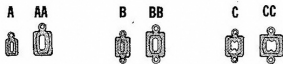
LIGHT BROWN 208 MIZZEN TOPMAST CAP
 LIGHT BROWN 209 MIZZEN TOP GALLANT MAST
 LIGHT BROWN 210 MIZZEN TOP GALLANT CROSSTREE
 LIGHT BROWN 211 MIZZEN ROYAL MAST

Slide Part 208 down over Part 209, position and apply cement. Cement in place Parts 210 and 211.

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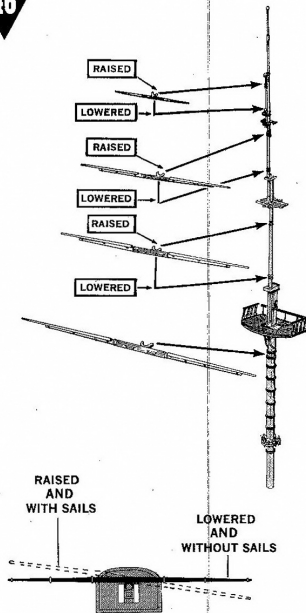
BLOCKS AND RIGGING ARE SHOWN (1) SIDE ONLY
REPEAT FOR OPPOSITE SIDE



BLACK 212 MIZZEN CROSSJACK YARD
BLACK 213 MIZZEN TOPSAIL YARD
BROWN 214 MIZZEN TOP GALLANT STUDDING SAIL BOOM (2)
BROWN 215 MIZZEN TOP GALLANT YARD
BROWN 216 MIZZEN ROYAL STUDDING SAIL BOOMS (2)
BROWN 217 MIZZEN ROYAL YARD
BROWN RIGGING BLOCKS

To Part 213, cement in the same position as your Fore and Main Yards (2) Parts 214. To Part 215, cement (2) Parts 216. Lash Heels of Booms. Attach Rigging Blocks, Stirrups and Footropes as shown.

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Attach all your Yards to the Mizzen Mast in the same positions and angle as your previous Masts.

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LIGHT BROWN 218 TRYSAIL MAST

Carefully cement your Fore and Main Mast assemblies into position. Now cement locator on Part 218 into place on underside of Mizzen Top. Cement Mizzen Mast into position along with your Trysail Mast. Now refer to Standing Rigging Sheet.

After you have completed your rigging and sail, paint the figures as shown on the side panels of your box. After figures have dried, cement the figures on the deck or in the rigging as you wish.

SEE STANDING RIGGING SHEETS

RIGGING INFORMATION

A. SINGLE OR DOUBLE BLOCK, ATTACHMENT TO YARD

Tie block to Yard with small diameter black thread as shown.

B. DOUBLE SEIZE

Loop rigging thread through appropriate point of attachment and tie end in two places with small diameter thread. Use black or tan thread as designated in that step.

C. SINGLE SEIZE

Loop rigging thread through appropriate point of attachment and tie in one place with small diameter thread. Use black or tan thread as designated in that step.

D. EYEBOLT SEIZE

Eyebolt may be seized or tied as shown. For seizing see detail "C" on this page.

E. STUDDING BOOM LASHING

Position Studding Boom in appropriate set of holes in the Yard and wrap with small diameter tan rigging thread and tie as shown.

F. STIRRUP AND FOOTROPES

STIRRUP: Seize, see detail "C" this page, a two inch length of tan colored rigging thread to the yard as shown, then loop other end and seize. FOOTROPE: Insert indicated diameter tan rigging thread through each Stirrup and loop as shown. Seize each end of Footline as indicated in that portion of the instruction sheet.

ACKNOWLEDGMENTS

Revell Incorporated would like to express its gratitude to the United States Department of Navy and the Smithsonian Institution, Washington, D.C., for the technical assistance they have provided.

