

AIRFIX
CONSTRUCTION KIT

SCALE MODEL OF FAMOUS OLD WARSHIP

THE REVENGE

The Revenge, a typical Elizabethan Galleon, was launched in 1577. She was 92 feet long in the keel, 32 feet in breadth and carried 34 carriage and 12 swivel guns. Her design shows much improvement over earlier vessels with particularly fine underwater lines and much lower stern works than the early Tudor yessels, although the four masted rig, normal for that period, was not particularly efficient.

The Elizabethan men-of-war were the outstanding ships of the time and were designed to fight with long range gunfire rather than by boarding tactics. They were extremely manoeuvrable by virtue of their short keel and long overhand; a virtue that was to be well employed against the Spanish Armada.

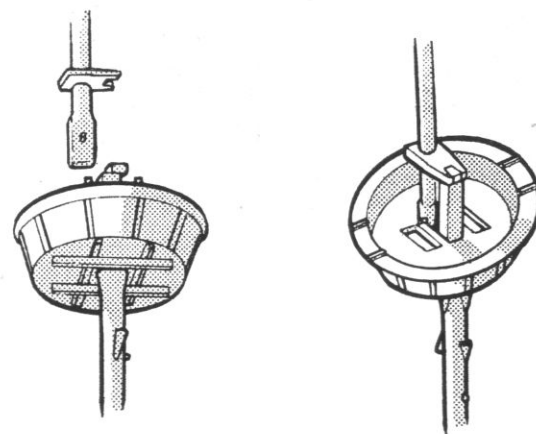
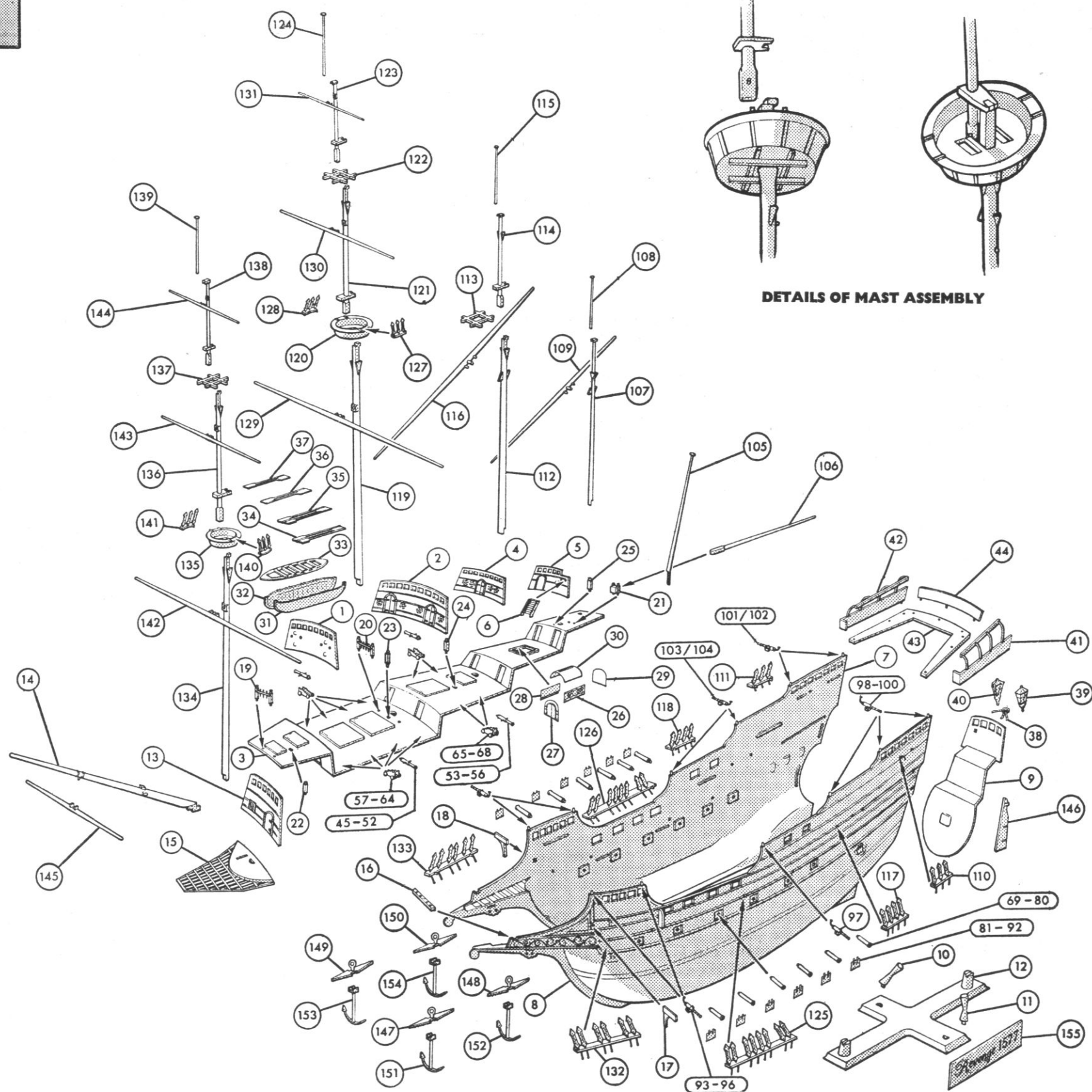
On June 19th, 1588, news reached Plymouth that the Spanish Armada had been sighted in the channel and Sir Francis Drake, who legend has it, was playing bowls at the time, set out with the English fleet and his flagship the Revenge. The Armada consisted of 129 vessels against the English fleet of 80, only 39 of which were ships of the line. The English fleet attacked the Armada with gun fire at a distance, refusing to come to close quarters and relying on their manoeuvrability to escape from the much larger Spanish Galleons. These hit and run tactics were successful and several of the enemy were sunk or driven ashore and the galleon Rosario captured by Drake's Revenge during the week of combat.

On the 28th June, the Armada sought shelter in Calais and during the night, eight of the smaller English boats were filled with combustible material and set ablaze among the Spanish fleet; the Spanish cut their cables and stood out to sea. At dawn on the 29th June, the English came up with them at Gravelines and during the six hour battle which ensued 4,000 of the Spanish were lost for only 100 English casualties. The surviving vessels of the Armada tried to escape by sailing around the Orkneys but although the English were unable to pursue them a great storm completed the destruction, and of the 100 ships left only 54 returned to Spain.

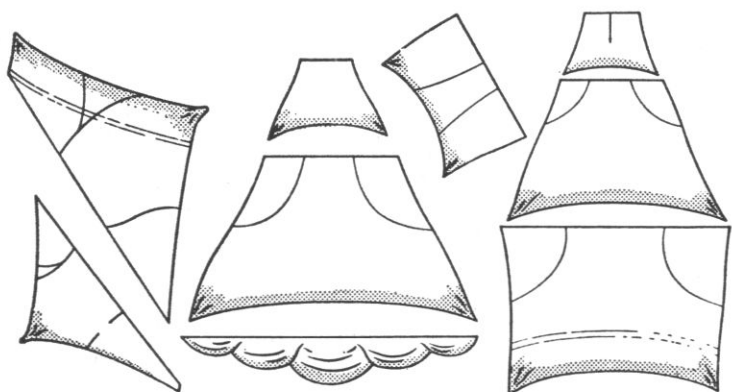
In 1661 the Revenge was again in action, this time commanded by Sir Richard Grenville. At Flores, the Revenge, which was alone, was attacked by a fleet of fifteen Spanish galleons. The fight continued all day and the Revenge sunk two of the galleons and crippled two others before being forced to surrender. Three days later Sir Richard Grenville died from wounds sustained during the battle and the Revenge did not long survive him, sinking in a storm while being taken back to Spain as a prize.

All Airfix Construction Kits of Modern Ships and Famous Warships are made to a constant 1 in. to 50 ft. (1/600) scale. All models are designed with the same skill and attention to detail so that a large and varied collection can be built up. Each model is true to scale and realistic in relationship to all other models. Other fine Airfix Construction Kits are available in various scales, such as Historical Ships, 1/72 Aircraft, 1/32 Vintage and Modern Cars, 00 Rolling Stock, Trackside Houses and Accessories, and 1/12 Model Figures. A list of the many other Airfix Models which you can make will be found on a slip in this package.

IT IS RECOMMENDED THAT WHEN USING CAPSULE OF ADHESIVE THE END OF THE CAPSULE BE CUT OFF WITH A PAIR OF SCISSORS APPROX: ONE EIGHTH OF AN INCH FROM THE END: EXCESSIVE PRESSURE ON THE CAPSULE IS UNDESIRABLE AS THIS MATERIAL IS IN LIQUID FORM, AND CARE SHOULD BE TAKEN IN WHICH DIRECTION THE CAPSULE IS POINTED TO AVOID GETTING ADHESIVE IN THE EYES OR ON CLOTHING.

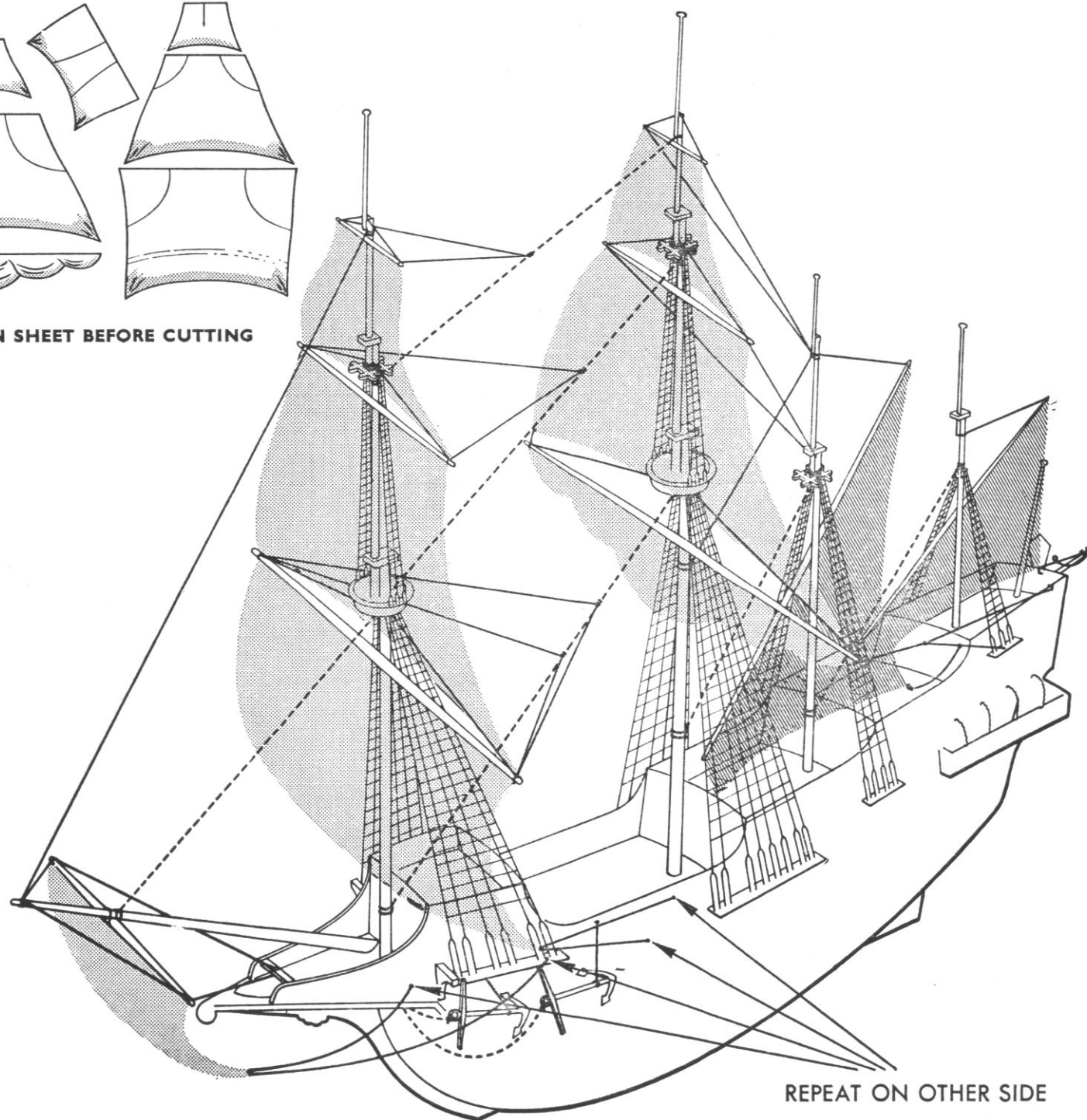


DETAILS OF MAST ASSEMBLY



POSITION OF SAILS ON SHEET BEFORE CUTTING

—— COTTON
----- THREAD



REPEAT ON OTHER SIDE

INSTRUCTIONS

PAINT ALL DETAILS AND LET DRY BEFORE ASSEMBLING (SEE SECTION 4)
N.B. FOR PAINTING USE "AIRFIX" PAINTS, FOR FIXING USE "AIRFIX" POLYSTYRENE CEMENT

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ASSEMBLY DETAILS FOR THE REVENGE

It is recommended that the instructions and exploded view are studied before commencing assembly. Note that some parts are best painted before assembly such as bulkheads, companion way, etc.

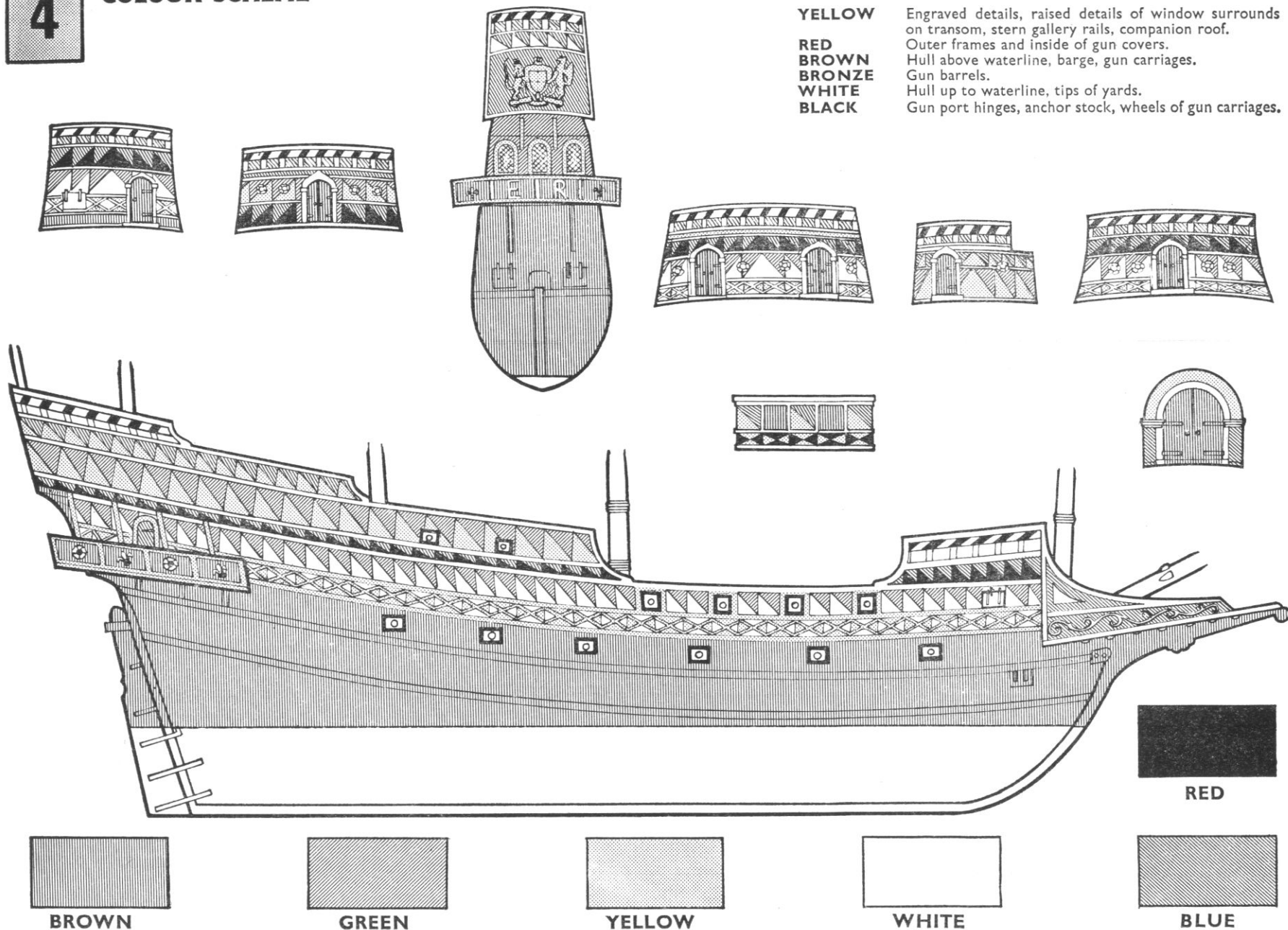
1. Cement lugs at rear of fo'c'sle and halfdeck bulkheads (1, 2) into cutouts in fo'c'sle and half deck fronts on deck (3). Similarly locate and cement in position quarter deck and poop bulkheads (4, 5).
2. Locate and cement steps (6) into locating holes in port side of poop deck bulkhead.
3. Locate and cement deck above location ribs on starboard hull side (7).
4. Locate and cement port hull side (8) to starboard hull side and deck.
5. Locate and cement transom (9) at stern between hull sides.
6. Cement the two side supports (10, 11) into semi-circular locating holes in stand (12), when dry, cement hull to stand, making sure the keel engages in the two slots.
7. Locate and cement beak deck bulkhead (13) to bow and around front of fo'c'sle.
8. Locate and cement bowsprit (14) into slot at rear of beak deck grating (15).
9. When spirit is dry, locate and cement beak deck grating to beak deck bulkhead and to beak deck.
10. Locate and cement forward pin rail (16) to locating slots on hull-sides, above beak deck.
11. Locate and cement lugs on catheads (17, 18) into locating slots on port and starboard sides of bows.
12. Locate and cement fo'c'sle deck bitts (19), main deck bitts (20), bumpkin bitt (21), into locating holes in fo'c'sle deck, main deck and poop. Note posts face aft.
13. Locate and cement locating pin beneath Fore Knight (22) into small locating hole in fo'c'sle deck. Similarly locate and cement Main Knight (23) to half deck, Mizzen Knight (24) also to half deck and Bonaventure Mizzen Knight (25) to poop.
14. Locate and cement port companion side (26) to companion front (with doors) (27) then cement starboard companion side (28) to companion front and companion end (29) to port and starboard companion sides, finally companion roof (30) to top of sides and ends.
15. When dry locate and cement completed companion assembly over rib around opening on quarter deck.
16. Locate and cement 25 ft. barge port and starboard halves (31, 32) together, then locate and cement barge interior (33) to locating ribs inside barge.
17. Cement triple and double sets of oars (34-37) to barge seats. NOTE: It is unimportant if oars overlap.
18. Cement barge centrally over grating on main deck.
19. Locate and cement locating pins on lantern support (38) into locating holes at top of transom.
20. Cement lantern halves (39, 40) together, then cement locating pin beneath lantern into locating hole in lantern support.
21. Locate and cement locating pins on port and starboard stern gallery sides (41, 42) into locating holes in stern gallery base (43).
22. Locate and cement stern gallery end (44) to stern gallery base and to ends of sides.
23. When dry locate and cement assembled stern gallery to stern, the base onto supports on hull sides and transom and the top of the stern gallery sides into slots in port and starboard sides of hull.
24. Cement the pivot pins on the 12-5 pdr. gun barrels (45-56) into cut out locations on top of the 12 gun carriages (57-68). When dry position gun barrels through gun ports and cement gun carriages to decks, 4 each side of waist deck, 2 each side of half deck.
25. Locate and cement locating pins on ends of the 12-17 pdr. guns (69-80) into locating holes in port and starboard hull sides.
NOTE: ANY GUNS WITH GUN PORT COVERS MAY BE OMITTED AND GUN PORT COVERS CEMENTED FLUSH INTO RECESSES, HINGES TO TOP.
26. Locate and cement the 12 gun port covers (81-92) above each gun in port and starboard hull sides at approximate angle of 45 deg. upwards.
27. Locate and cement the 12 swivel guns (93-104) to locating pins on hull sides.
28. IDENTIFY MASTS BY NUMBERS on them, then locate and cement Ensign Staff (105) into locating hole at rear of poop, staff angled slightly back.
29. Insert Bumpkin (106) from inside through hole in upper part of transom and cement opposite end into bumpkin bitt recess.
30. Locate and cement Bonaventure Mizzen Mast (107) into semi-circular locating hole in poop deck.
31. Cement top locating pin on Bonaventure Mizzen Mast into locating hole in bottom of Bonaventure Mizzen Flag Staff (108). Flag Staff is also located and cemented between forked bracket at top of Mizzen Mast.
32. Locate and cement Lateen Bonaventure Mizzen (109) onto locating pin on starboard side of Bonaventure Mizzen Mast, lugs on Bonaventure Lateen Mizzen are also cemented to ends of supports on either side of locating pin on Bonaventure Mizzen Mast ensuring correct angle.
33. Locate and cement Bonaventure Mizzen Channels and Deadeyes (110, 111) to locating holes in port and starboard hull sides.
34. Study your sail diagram, cut out and trim to length sail I then cement in position on Bonaventure Lateen Mizzen.
35. Trim Bonaventure Mizzen Ratlines to ratline pattern, ends can then be carefully scraped to bare cotton inside which will give better adhesion. Cement narrow ends to port and starboard sides of wedge support on Bonaventure Mizzen Mast. When dry, cement the 6 free ends of ratlines to the inside of the 6 Bonaventure Mizzen Channel Deadeyes on port and starboard sides of hull, make ratlines as taut as possible but do not worry unduly about a little slackness.
36. Locate and cement Mizzen Lower Mast (112) into semi-circular hole in half deck.
37. Identify and slide the rectangular slot in the Mizzen Lower Crosstree (113) over the Mizzen Lower Mast to support on mast, leaving small square opening forward, and cement in position.
38. Locate the Mizzen Top Gallant (114) into small square opening in crosstrees taking care forked bracket locates with top of Mizzen Lower Mast, cement in position.
39. Locate and cement Mizzen Flag Staff (115) onto locating pin and also between forked bracket at top of Mizzen Top Gallant.
40. Locate and cement Lateen Mizzen (116) onto locating pin on side of Lower Mizzen Mast, lugs on Lateen Mizzen are also cemented to ends of supports on Lower Mizzen ensuring correct angle.
41. Carefully cut out sail H and cement to Lateen Mizzen.
42. Locate and cement Mizzen Channels and Deadeyes (117, 118) to locating holes in port and starboard sides of hull.
43. Trim, position, and cement Mizzen ratlines as for Bonaventure Mizzen and as shown in rigging diagram.
44. Locate and cement Main Lower Mast (119) into semi-circular hole in waist deck.
45. Slide centre slot in large Main Fighting Top (120) over Main Lower Mast, position onto supports and cement mast to rear of slot, leaving small opening forward. NOTE: cut out in ribs beneath port side of Main Fighting Top engage with lug on mast—see diagram section I.
46. Locate Main Top mast (121) into opening formed in Main Fighting Top, ensuring forked bracket is to rear and locating with top of Main Lower Mast, cement in position.
47. Identify and slide rectangular slot in the middle sized Main Top Mast Crosstree (122) over Main Top Mast and cement in position as for Mizzen Lower.
48. Locate the Main Top Gallant Mast (123) into small square opening in Crosstree, taking care forked bracket locates with top of Main Top Mast, cement in position.
49. Locate and cement Main Flag Staff (124) onto locating pin and also between forked bracket at top of Main Top Gallant Mast.
50. Locate and cement Main Channels and Deadeyes (125, 126) into locating holes in port and starboard hull sides.
51. Carefully rim main lower ratlines to ratline pattern and cement the narrow ends to inside slots of Main Fighting Top, the 16 free ends to inside of Main Channel Deadeyes.
52. Locate and cement Main Topmast Shroud and Deadeyes (127, 128) between location ribs on port and starboard sides of Main Fighting top.
53. Carefully trim Main Top ratlines and cement narrow ends to uppermost part of Main top mast, the 6 free ends to backs of Main Top Mast Shroud Deadeyes.
54. Cement locating pin on Main Lower Yard (129) into locating hole in Main Lower Mast.
55. Cement locating pin on Main Topsail Yard (130) into locating hole in Main Top Mast.
56. Cement locating pin on Main Top Gallant Yard (131) into locating hole in Main Top Gallant Mast.

57. Carefully cut out sails E, F, G and cement top of E to Main Top Gallant Yard, top of G to Main Topsail Yard and top of G to Main Lower Yard.
58. Cement Fore Channel Deadeyes (132, 133) to locating holes in port and starboard sides.
59. Assemble and rig Foremast in same way as Main Mast. NOTE: Foremast locates in semi-circular hole in beak deck, Fore Lower Mast (134), Fore Fighting Top (135), Fore Top Mast (136), Small Fore Top Mast Crosstrees (137), Fore Top Gallant (138), Fore Flag Staff (139), Fore Top Deadeyes (140, 141), Fore Lower Yard (142), Fore Topsail Yard (143), Fore Top Gallant Yard (144).
60. Carefully cut out sails B, C, D, locate and cement top of B to Fore Top Gallant Yard, C to top of Fore Topsail Yard, D to top of Fore Lower Yard.
61. Locate and cement sprit yard (145) onto locating pin beneath bowsprit.
62. Carefully cut out sail A and cement to top of sprit.

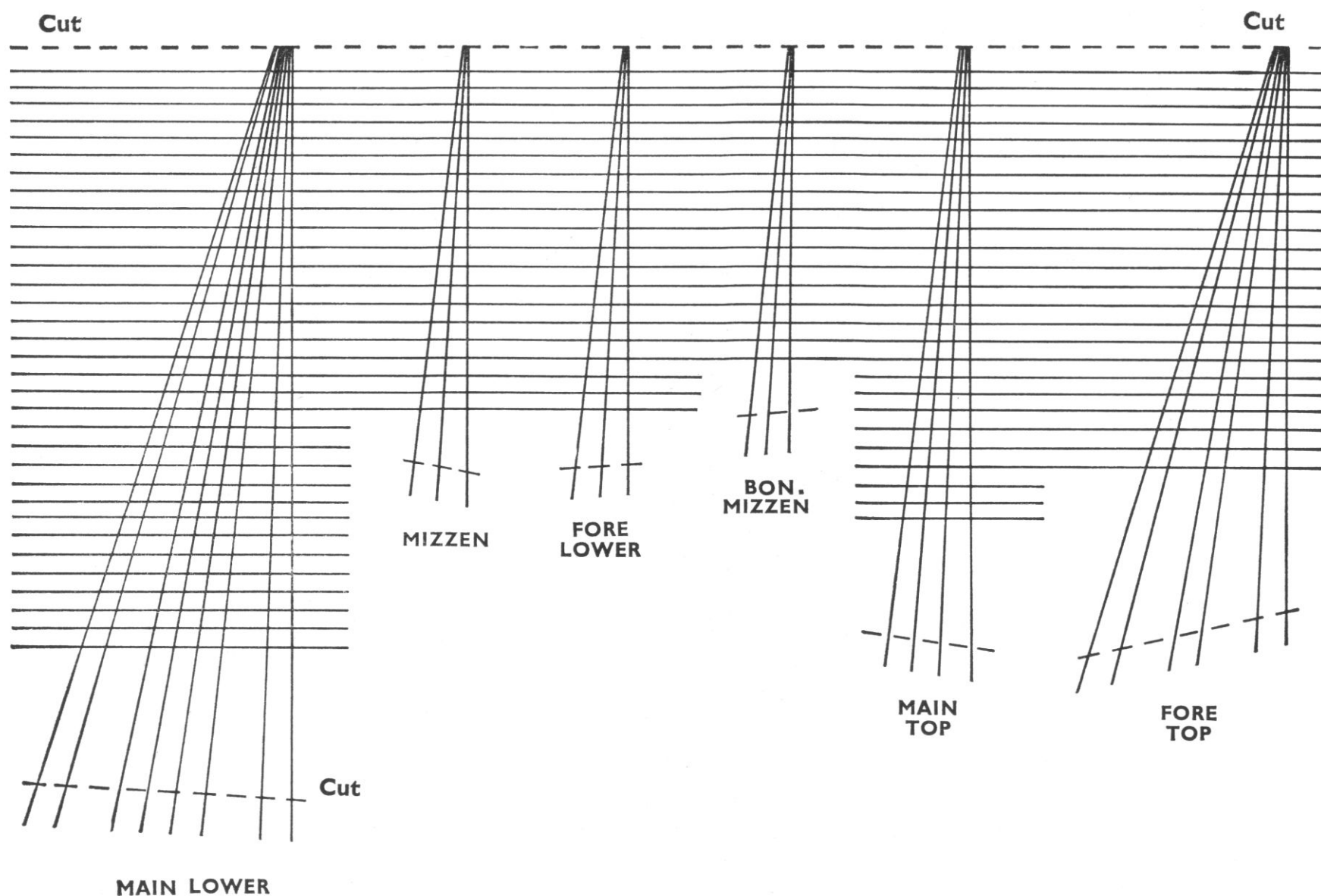
63. Locate and cement locating pin on rudder (146) into locating holes in stern.
64. Locate and cement the four anchor stocks (147, 150) to the four anchors (151, 154) and when dry rig the anchors as shown in rigging diagram.
65. Make sure the ratlines are secure and that the cement has set, now carefully tie cotton around each set of ratlines about $\frac{1}{2}$ " below tops so that the ratlines can be pulled taut.
66. To make your model realistic it should now be rigged with cotton as shown in the rigging diagram.
67. Cut out the five printed flags and wrap around flagstaff and cement in position as follows: Large Stern Ensign to Ensign Staff, small St. George's Cross to Bonaventure Mizzen Flagstaff, Tudor Rose to Mizzen Flagstaff, Large St. George's Cross to Main Flagstaff, and Red Cross on Blue and White striped background to Fore Flagstaff.
68. Finally locate and cement the nameplate (155) to side of stand.

4

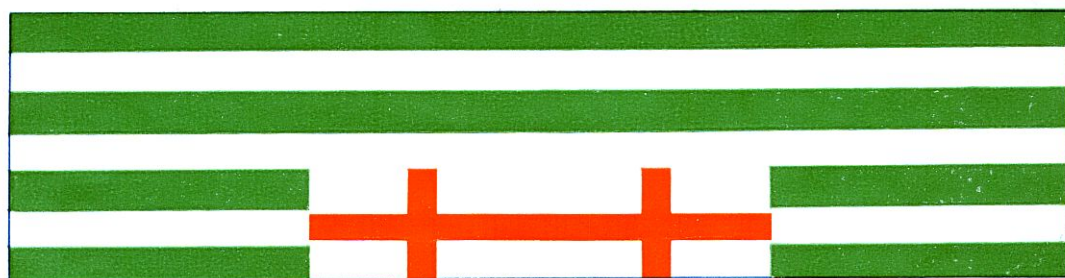
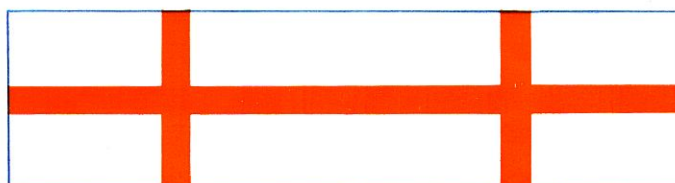
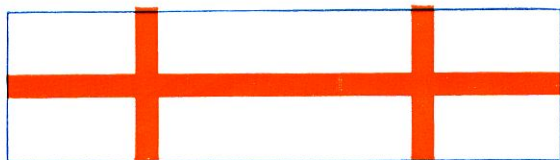
COLOUR SCHEME



PLACE RATLINES ON PATTERN AND CUT WHERE NECESSARY



To give better adhesion scrape gently
the end of ratlines to bare cotton inside.



FLAGS FOR REVENGE

REVENGE ASSEMBLY MODIFICATIONS

The position of Knights given in para. 13 is accurate; however they are incorrectly shown on the exploded view. Part 23 is cemented centrally between gratings on half deck and part 24 aft of rear grating on half deck, immediately forward of mizzen mast.

An **AIRFIX** *Classic.*
THE REVENGE

