

SIDE PLATING.
POOP.....40
BRIDGE.....43
F.CLE.....43

STRINGER PLATES AND ANGLES.
POOP.....138
BRIDGE.....144
F.CLE.....150
STRINGER ANGLES 3/8" x 3/4" x 38/144

PLATING.
POOP.....30
BRIDGE.....34
F.CLE.....38 AND 50

ENGINE CASING 13'-0"
HEIGHT 7'-6" ABOVE POOP DECK.

CAMBER.
POOP.....10" IN 66'-4"
BRIDGE.....10" IN 66'-4"
F.CLE.....6" IN 66'-4"

"EMPIRE VICEROY" & "EMPIRE ADMIRAL".

MIDSHIP SECTION. [AS FITTED.]

SCALE 1/2 INCH = ONE FOOT.

MOULDED DIMENSIONS:- 445'-0" B.P. x { 66'-6" AT 12" ABOVE UPPER DECK. } x 33'-6" MOULDED TO UPPER DECK.
60'-6" AT BASE LINE MOULDED.

THE SCANTLINGS OF ANGLE, BULB ANGLE AND CHANNEL SECTIONS ON THIS PLAN ARE N.S.B.

LLOYDS NUMERALS.

FIRST LONGITUDINAL NUMBER L x D = 445 x 33.5 = 14,907.5
SECOND LONGITUDINAL NUMBER L x (B+D) = 445 x (63.42 + 33.5) = 43,129.4
L/D TO UPPER DECK = 445 / 63.42 = 7.01
D. MOULDED DEPTH = 33.5
B (MEAN) + D. = 63.42
BREADTH AT DECK = 66.34
BREADTH AT BASE LINE = 60.50
FRAMING & AMIDSHIPS = 29.71
FRAMING IN ENGINE SPACE = 16.50

EQUIPMENT NUMBER.

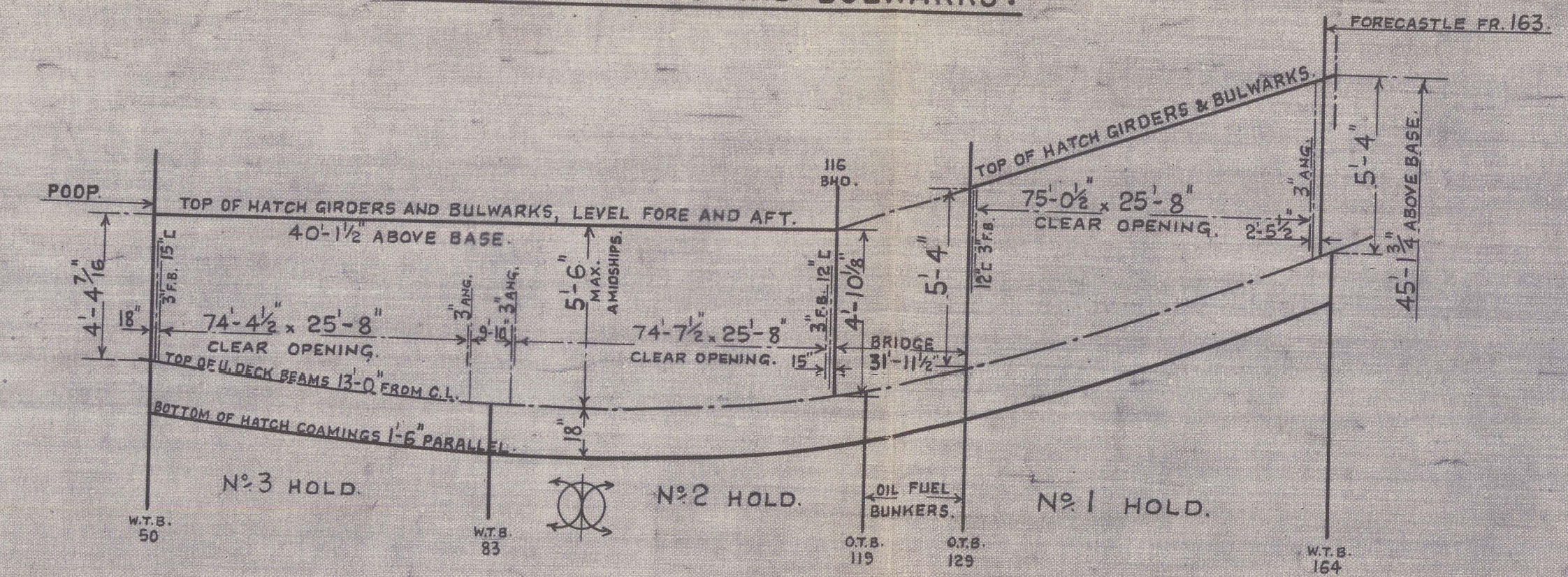
SECOND LONGITUDINAL NUMBER
POOP 118.82 x 7.5 x 75 = 657.7
BRIDGE 31.36 x 7.5 x 75 = 179.8
FORECASTLE 55.04 x 8.0 x 75 = 330.2
HOUSEHOLD AMIDSHIPS 16.0 x 22.5 x 50 = 180.0
HOUSEHOLD AFT 88.2 x 7.5 x 50 = 330.8
TRUNKWAY 241.1 x 5.25 x 50 = 632.9
45,440.8

EQUIPMENT (LETTER C+)

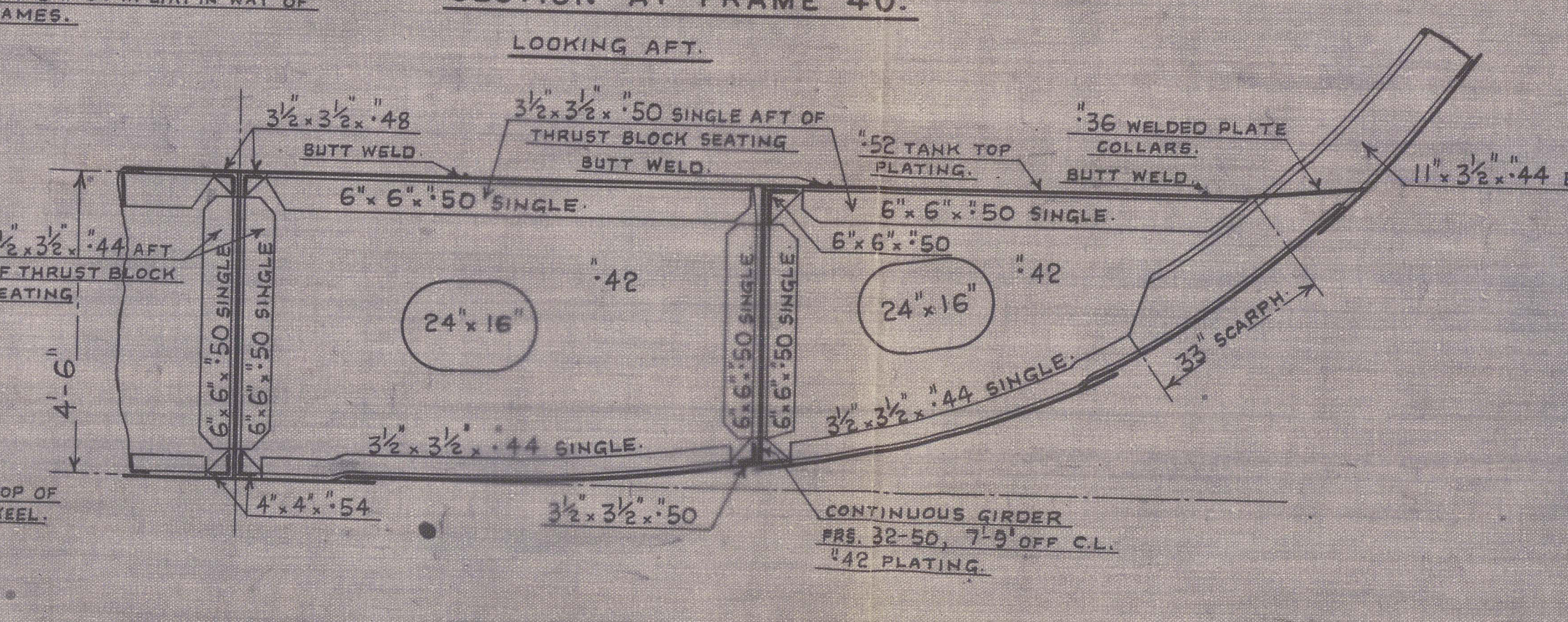
2 BOWER ANCHORS 7.7 CWT. EACH, STOCKLESS.
1 BOWER ANCHOR 6.5 CWT. STOCKLESS.
1 STREAM ANCHOR 2.5 CWT. STOCKLESS.
240 FATHOMS 2 1/2" STUD CHAIN CABLE, 7 1/2" CWT. (RULE 300 FATHOMS)
120 FATHOMS 5" PLAIN STEEL WIRE 5/16"
120 FATHOMS 5" STEEL WIRE TOWLINE 5/16"
2 HAWKERS 100 FATHOMS EACH 2 1/4" FLEXIBLE STEEL WIRE 1/2"
2 WARPS 100 FATHOMS EACH 2 1/4" FLEXIBLE STEEL WIRE 1/2"

EQUIPMENT IN ACCORDANCE WITH WAR REQUIREMENT.

LINE OF HATCH COAMINGS AND BULWARKS.



SECTION AT FRAME 40.



K. IN.
73' x 100' FOR 1/2 L. TO 146 AND 50 AT ENDS.
130 IN WAY OF BRIDGE AND AT POOP FRONT BUTTS WELDED.

J. OUT.
80' x 72' FOR 1/2 L. TO 146 AT ENDS.
BUTTS WELDED.

H. IN.
78' x 66' FOR 1/2 L. TO 146 AT ENDS.
BUTTS WELDED.

G. OUT.
78' x 66' FOR 1/2 L. TO 146 AT ENDS.
BUTTS WELDED.

F. IN.
78' x 66' FOR 1/2 L. TO 146 AND 154 AT ENDS.
BUTTS WELDED.

E. OUT.
90' x 58' FOR 1/2 L. TO 150 AND 154 AT ENDS.
BUTTS WELDED.

BILGE KEEL.
6" x 50" PLATE WELDED TO SHELL 10" x 50" BULB PLATE FORMING 12" GIRDER FRG. 56" 120.

UPPER DECK BEAMS.
6" x 3 1/2" x 36" B.A. BEAMS, STERN-FR. 8.
8" x 3 1/2" x 40" B.A. BEAMS, FRG. 10-19 AND 177-STEM.
3" x 3 1/2" x 40" B.A. BEAMS, FRG. 20-175.
SEE PROFILE AND DECK PLANS.

SIDE FRAMING.
FRAMES SPACED 20" APART, 20" FORWARD OF 1/2 L. FORWARD, 24" IN FORE AND AFT PEAKS.
MAIN SIDE FRAMES 12" x 4" x 1/2" L. WITH 4" x 1/2" x 1/4" REVERSE BAR ABAFT 1/2 L. FORWARD.
AND CLEAR OF OIL BUNKERS.
MAIN SIDE FRAMES FORWARD OF 1/2 L. FORWARD AND CLEAR OF DEEP FRAMING 12" x 4" x 1/2" L. 60" C.
WITH 6" x 6" x 150" REVERSE BAR FORMING 13" GIRDER.
MAIN SIDE FRAMES IN WAY OF DEEP FRAMING FOR 10" L. ABAFT RULE POSITION OF COLLISION BULKHEAD 15" x 4" x 1/2" L. WITH 6" x 6" x 150" REVERSE BAR FOR 15" GIRDER.
SIDE FRAMES IN OIL FUEL BUNKERS AMIDSHIPS 12" x 4" x 1/2" L. 60" C. AFT 11" x 3 1/2" x 44" B.A. FRAME ABOVE SEE DETAIL ABOVE.
FRAMES IN ENGINE ROOM 11" x 3 1/2" x 44" B.A. UP TO 15" BELOW UPPER DECK AND 6" x 3 1/2" x 46" B.A. FRAMES ABOVE SEE DETAIL ABOVE.
FRAMES IN PEAKS 8" x 3 1/2" x 46" B.A. CARRIED UP TO POOP AND FORECASTLE DECK.
FOR EXTENT OF FRAMING SEE PROFILE AND DECK PLANS.

RIVETING NOTES.
RIVETS IN FLOOR FRAMES TO FLOORS AND SHELL ABAFT 1/2 L. FORWARD SPACED 7 DIAS. APART CR. TO CR.
RIVETS IN FRAMES TO SHELL AT PLAT. OF DOUBLE BOTTOM, FORWARD OF 1/2 L. FORWARD 1/8 DIA. SPACED 5 DIAS. APART (TWO ROWS) CR. TO CR.
RIVETS IN FRAMES OF FLOORS AT PLAT. OF DOUBLE BOTTOM, FORWARD OF 1/2 L. FORWARD 7/8 DIA. 6" DIA. APART (TWO ROWS) CR. TO CR.
RIVETS IN FRAMES TO SHELL IN FORE AND AFT PEAK TANKS, F.W. TANK AND O.F. BUNKERS. 7/8 DIA. SPACED 5 DIAS. APART IN POOP, BRIDGE AND F.CLE. SIDES AND ABOVE W.T. PLAT. AFT. 7/8 DIA. SPACED 7 DIAS. APART. RIVETS CLOSED UP TO 5 DIAS. IN WAY OF BILGE.
RIVETS THROUGH SIDE FRAMES AND REVERSE FRAMES SPACED AS IN SHELL PLATING.
RIVETS IN SHELL PLATING, DECK PLATING AND INNER BOTTOM PLATING, AS PER TABLE 40.
RIVETS IN PLAT. KEEL ANGLES, VERTICAL ANGLES, CONNECTING FLOORS TO CENTRE GIRDER AND SHELL PLATING, W.T. BULKHEAD BAR, 7/8 DIA. RIVS. SPACED 5 DIAS. APART CR. TO CR.
RIVETS IN 6" x 6" TANK TOP FRAMES TO TANK TOP, 7/8 DIA. SPACED 5 DIAS. APART CR. TO CR.
RIVETS IN 6" x 6" TANK TOP FRAMES TO FLOORS, 7/8 DIA. SPACED 7 DIAS. (2 ROWS) APART CR. TO CR.
ELSEWHERE RIVETS IN TANK TOP FRAMES TO FLOORS, 7/8 DIA. SPACED 7 DIAS. APART CR. TO CR.
RIVETS IN VERTICAL ANGLES TO FLOORS AND SIDE GIRDERS, BULKHEAD STIFFENERS (EXCEPT PEAK BULKHEAD) AND IN BEAMS TO DECK PLATING ON EVERY FRAME SPACED 7 DIAS. APART CR. TO CR.
RIVETS IN BEAMS TO DECK PLATING IN WAY OF OIL FUEL AND FRESH WATER TANKS SPACED 6 DIAS. APART CR. TO CR.
RIVETS IN CENTRE GIRDER TOP ANGLES BOTH PLATES FRG. 10-166 7/8 DIA. SPACED 5 DIAS. APART.
LINERS FITTED IN WAY OF DEEP FRAMING FORWARD.

SCHEME OF WELDING.
BUTTS OF SHELL PLATING.
BUTTS AND SEAMS OF DECK PLATING.
BUTTS AND SEAMS OF INNER BOTTOM PLATING.
BUTTS OF CENTRE GIRDER AND MARGIN PLATE.
BUTTS, SEAMS & CONNECTION TO SHELL OF BOUNDARY SHDS. IN WAY OF DEEP OIL FUEL TANKS.
BUTTS OF WATERTIGHT BULKHEADS.
ALL BUTTS VEE WELDED WITH BACK RUN.

43" MARGIN PLATE 54" THROUGHOUT. ALL BUTTS WELDED.
TANK SIDE BRACKETS 150" PLACED 4 1/2" THROUGHOUT.
MARGIN CONNECTION 6" x 50" PLAT BAR WELDED TO MARGIN PLATE AND LAP WELDED TO TANK SIDE BRACKETS AND FLOORS.
CONTINUOUS GUSSET PLATES WELDED DIRECT TO MARGIN PLATE 27" x 42" WITH 8" x 1/2" RIVS.
50" x 42" WITH 9" x 1/2" RIVS. IN WAY OF FORWARD PAINTING.
TANK MARGIN ANGLE 4" x 4" x 1/2" THROUGHOUT, WELDED TO SHELL AND LAP WELDED TO MARGIN PLATE.

26" FILLING PIECES WELDED WELDED CORNER.
BILGE CEILING PLATE 26" ALL WELDED.
PORTABLE CEILING PLATE FOR ACCESS TO BILGES.
TANK SIDE BRACKETS FLANGED 4 1/2" GUSSET PLATE WELDED DIRECT TO MARGIN PLATE.
12" BUTT WELD.
SOLID FLOORS FITTED ON EVERY FRAME FLOOR PLATES 42" THROUGHOUT IN HOLDS AND ENGINE SPACE. W.T. FLOORS 42" x 106" x 50" INTERCOSTAL SIDE GIRDERS 38" FORWARD OF 1/2 L. FORWARD. TOP AND BOTTOM ANGLES 3 1/2" x 3 1/2" x 40" VERTICAL ANGLES 3" x 3" x 40" BUTT WELD.

3 1/2" x 3 1/2" x 44" SINGLE 6" x 50" SINGLE FORWARD OF 1/2 L. FORWARD.
D. CLINKER. 77 1/2" x 68" FOR 1/2 L. TO 154 AND 160 AT ENDS BUTTS WELDED.
C. IN. 78" x 68" FOR 1/2 L. TO 150 AT ENDS BUTTS WELDED.
B. OUT. 78" x 68" FOR 1/2 L. TO 150 AT ENDS BUTTS WELDED.
A. IN. 78" x 68" FOR 1/2 L. TO 150 AT ENDS BUTTS WELDED.
THICKNESS OF STRAKES A, B, AND C FROM 1/2 L. FORWARD TO RULE POSITION OF COLLISION BULKHEAD INCREASED TO 1 1/2" = 175

33'-3" MOULDED HALF BREADTH

VICKERS-ARMSTRONGS L D

858/9

MIDSHIP SECTION

(AS BUILT)

X

EMPIRE VICE ROY



YARD NO 858

BARROW REPORT NO 2954

EMPIRE ADMIRAL

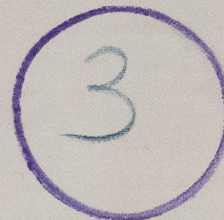
YARD NO 859

BARROW REPORT NO 3040

Ocean carrier

D/S 585

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