

MIDSHIP SECTION.

N^o 411, S. S.

SCALE 1/2" = 1 FOOT.

TO CLASS. 100. A.I. AT LLOYDS.

DIMENSIONS
428'-0" 55'-8 1/2" 32'-3" MLD. TO UPPER DECK

NUMERALS.
BREADTH 53.70
DEPTH 32.65
85.95 TRANSVERSE N^o
428
36.786 LONGITUDINAL N^o

PROPORTIONS
DEPTHS TO UPPER DECK 13.27
BRIDGE 10.64

BRIDGE DECK 4' (+0.6 ON PAPE)
POOP 34
FLE 5'20 SHEATHED WITH 5-3 PITCH PINE

BRIDGE STRINGER 66 x 54
POOP 36 x 36
FLE 36 x 36
BRIDGE STRINGER ANGLE 5 x 5 x .02
POOP & FLE 3 1/2 x 3 1/2 x .50

EQUIPMENT NUMBER.
(55.7 + 32.25) x 428 = 36786
POOP 34.75 x 7.5 x .75 = 195.46
BRIDGE 142.50 x 7.25 x .75 = 849.65
FLE 49.5 x 7.50 x .75 = 278.43
HOUSES 59.25 x 7.25 x .5 = 214.76
CASINGS 29.25 x 7.25 x .5 = 106.
36430.32

EQUIPMENT
2 POWER ANCHORS EACH 68 CWT. STOCKLESS 83 1/2 CWT. PER SPEC.
1 ANCHOR 58 1/2
1 STREAM 19 Ex. Stock.
270 FATHOMS 2 5/16" STUD CHAIN CABLE
80 5" STREAM STEEL WIRE
120 5 1/4" TOWLINE
105 3/4" HAWKER & 15 FATHOMS 10" MANILA
1080 2 1/4" HAWKER STEEL WIRE
2690 7" MANILA WARP

60" T AT BRIDGE BUTTS LAPPED & Q.R.
4" AT POOP
42" FORECASTLE

43" 66" BUTTS LAPPED & Q.R.
4" AT POOP 42" AT FORECASTLE
BULKHEAD 5/16"

SHEERSTRAKE 57" 106" TO 46" 102" 108"
64" IN BRIDGE 102" 66" DOUBLED FOR 66" 5
AT ENDS OF BRIDGE
BUTTS QUINTRAPE RIVETED FOR 1/4"
OUTSIDE BRIDGE AS PER THICKNESS.

48" 84" TO 46" 102" 86"
64" IN BRIDGE 102" 66"
BUTTS LAPPED & QUINTRAPE RIVETED
FOR 1/4" OUTSIDE BRIDGE

68" 64" TO 46"
102" 66"

68" 64" TO 46"
102" 66"

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102" 66"

68" 64" TO 46"
102" 66"

68" 64" TO 46"
102" 66"

BIDGE KEEL 6" 4" 5" TEL. 106' 0"
BULB PLATE 9" 4"

FRAMES IN ART. PEAK 6 1/2" 3 1/2" 58 SPACED 24" APART.
REV. 3 1/2" 3 1/2" 38 3" TO FRAME 6 1/2" GIRDERS.
FRAMES IN FORE PEAK 7 1/2" 3 1/2" 44 B.A. TO FLE SPACED 24" APART.
FRAMES 10" 3 1/2" 58 B.A. SPACED 27" APART TO MAIN & UPPER DKS. ALTERNATELY.
ALT. FRAMES BETWEEN MAIN & UPPER DKS. 7 1/2" 4" ANGLE SCARPHED 18" & BETWEEN MAIN & FLE.
BRIDGE 7 1/2" 3 1/2" 46 B.A.
BULKHEADS 36" MIDSHIPS 36" IN THREE DKS. 5 1/2" FLANGES.
STEM 10" 270" STERNPOST 19 1/2" 8" 9" 8" RUDDER HEAD 10"

TANK SCANTLINGS.
CENTRE STRAKES 72" 5" TO 42" 72" IN B. SPACE.
TOP PLATING 4" TO 66" 1/2" IN B. SPACE 72" IN B. SPACE.
MARGIN PLATE 38" 48" 58" IN B. SPACE (RULE 35" TO 23 1/2" AFT).
FLOORS 4" 1/2" IN B. SPACE 1/2" IN B. SPACE SOLID EVERY 30" FRAME.
INTERSTAKES 4" TO 36" 3/32" IN B. SPACE UNDER ENGINES.
FRAMES 4" 3 1/2" 42" TO 4" DOUBLED FORWARD OF 3/16" L.
REV. FRAMES 4" 3 1/2" 42" TO 4" IN B. SPACE DOUBLED UNDER ENGINES.
BED PLATE FOR 8" 0" EACH SIDE OF & UNDER BOILER BEARERS 4" 3 1/2" 5" E.S.
VERT. CONN. ANGLES 3" 3" 4" 5" IN B. SPACE & UNDER ENGINES.

GIRDERS IN LINE WITH HATCH COAMINGS.

RIVETING

KEEL PLATE BUTTS LAPPED & QUINTRAPE RIVETED TO
TREBLE RIVETED WHERE NOT EXCEEDING 70"
SHELL BUTTS FROM KEEL TO UPPER TURN OF BLG LAPPED
AND QUINTRAPE RIVETED FOR 1/4" LENGTH.
SHELL BUTTS FROM UPPER TURN OF BLG TO STRAKES BELOW
SHEERSTRAKE LAPPED & TREBLE RIVETED.
TWO RIVETS THIRD FRAME JOGGLES AT LANDINGS.

TANK TOP PLATING INCREASED
08 UNDER HATCHES.
DOUBLE
SINGLES
DOUBLE IN E.S.
3 DEEP TANK
INTERCOSTAL IN E. SPACE
5 1/2" 3 1/2" 42" TO 4" 58" IN B. SPACE
INTERCOSTAL UNDER PILLAR
42" 10"
3 1/2" 3 1/2" 42" TO 4"
5" 3" 4" 58" IN B. SPACE
5 1/2" 3 1/2" 42" TO 4"
CENTRE GIRDER 42" 10" 42" TO 46"
15" 1/16" IN B. SPACE
4 1/2" 4 1/2" 6" TO 56"

KEEL 48" 106" TO 74"
A. IN. 72" 66" TO 48"
B. OUT. 72" 66" TO 48"
C. IN. 72" 66" TO 48"
D. OUT. 72" 66" TO 48"
72" 66" TO 48"
102" 66" TO 68"

A, B & C STRAKES NOT REDUCED FORWARD (BELOW THICKNESS MIDSHIPS).
REDUCED 02" IN WAY OF TANK WHERE 66" (WITHOUT ADDITION).
AND 04" WHERE THICKNESS IS 64" TO 54."


7 3/4" RIVETS
3 1/2" 3 1/2" 42" TO 4" SINGLE
50 IN B. SPACE
INTERMEDIATE REVERSE B.A.
7" 3" 4" 58" IN B. SPACE
7" 3" 4" B.A. 58" IN B. SPACE
3" FLANGE
16" 11"
66" IN B. SPACE
INTERMEDIATE FRAMES B.A.
7 1/2" 3 1/2" 42" TO 4"

INTERMEDIATE TANK BRACKET FRAMES

REV. 4" 3"
3" 3"
FLOOR
FRAMES 4" 3"
STRAITS 7" 3" 4" B.A.
FRAMES 7" 3" 4" B.A.
3 1/2" 3 1/2"
FLOOR
FRAMES 4" 3"
4" 3"

ELEVATION OF INTERCOSTALS
LOOKING FROM C^o OF SHIP

W. LLOYD & CO. LTD.
ENGINEERS
10, MAY 1923
GLA 2827/19

S. S. "BENMOHR" 

CONNELL'S NO 411.

MIDSHIP SECTION AS BUILT.

Glasgow Rpt. No. 47940

Sister vessel to

S. S. "BENVENUE"

GLASGOW REPORT No. 47940

W151-0019



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