LLOYD'S REGISTER OF SHIPPING RECEIVED 1 MAY. 84 LONDON
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Amended

S. S. "Lake Superior" Glasgow Report No. 6905.

MIDSHIP SECTION OF S.S. No 222

LENGTH BETWEEN PERPENDICULARS ..... 400'-0"
BREADTH MOULDED ..... 44'-0"
DEPTH MOULDED TO SPAR DECK ..... 32'-11"
DEPTH OF HOLD FROM TOP OF FLOORS TO TOP OF BEAM 31'-8"
TO CLASS 100 A1 AT LLOYDS SPAR DECKED RULED

IRON

SCALE ½" = 1 FOOT

JAMES & GEORGE THOMSON SHIPBUILDING DEPARTMENT MADE BY D. Mc & J.R. EXAMINED BY DATE 11 APR. 84 CLYDE-BANK

STRINGER 24" x 7/16" } BRIDGE & FORECASTLE
ANGLES 3" x 3" x 7/16" }

BRIDGE DECK

BRIDGE DECK BEAMS 6½" x 3" x 7/16" BULB ANGLE FITTED ON ALTERNATE FRAMES

FORECASTLE BEAMS 5½" x 3" x 7/16" BULB ANGLE ON EVERY FRAME

FOR PARTIAL BULKHEADS SEE SPAR DECK PLANS.

7" x 3½" x 7/16" 15" x 7/16" 5'-0" 5"x3½"x7/16" 5"x3"x7/16" 7/16" T IRON 5" x 4" x 7/16" IN ENGINE HATCH ONLY

SPAR DECK

PARTIAL BULKHEADS 7/16"

DOUBLE HALF ROUND IRON 3" x 1½" DOUBLE HALF ROUND IRON 3" x 1½"

ANGLE IRON DECK 4" x 3" x 7/16"

7'-6" 7'-6"

MAIN DECK

8/16"

TO HAVE 3 WEB FRAMES IN ENGINE SPACE AND 4 IN BOILER SPACE. DOUBLE REVERSE FRAMES ON INSIDE EDGE, ALL CARRIED TO HEIGHT OF MAIN DECK. WEB FRAMED FITTED INTERCOSTAL BETWEEN STRINGERS.

DOUBLE ANGLES ON FACE 3½" x 3½" x 8/16".

STRINGER PLATES IN E.& B. SPACE 24" x 11/16"

FACE PLATE 15" x 15/16" DOUBLE ANGLES 6" x 4" x 8/16"

LUG PIECE

LOWER DECK

A A

SECTION THROUGH A. A

LUG PIECE

STRINGER IN MACHINERY SPACE 24" x 11/16"

FACE PLATE 13" x 13/16" DOUBLE ANGLES 6" x 4" x 8/16"

ORLOP DECK

DOUBLE ANGLES 3½" x 3½" x 7/16"

LINE OF COAL BUNKER IN BOILER SPACE ON STARBOARD SIDE ONLY

LINE OF COAL BUNKER IN ENGINE SPACE ON PORT SIDE ONLY

INNER BOTTOM PLATING UNDER ENGINES 15/16"
" " IMMEDIATELY UNDER BOILERS 8/16" ELSEWHERE 7/16"
LAPS SINGLE RIVETTED, BUTTS DOUBLE RIVETTED.
WING PLATE 30" x 8/16" TREBLE RIVETTED BUTTS.

CENTRE PLATE 15/16" IN BOILER SPACE
DOUBLE INTERCOSTAL ANGLES 4" x 4" x 9/16"

3½" x 3½" x 8/16" INTERCOSTAL

SINGLE RIVETTED DOUBLE RIVETTED

DOUBLE REVERSE FRAMES UNDER E.& B. SPACE 3½" x 3½" x 7/16" EXTENDING FROM WING TO WING.

FLOOR PLATE ON EVERY FRAME 8/16 UNDER ENGINES 7/16 UNDER BOILERS.

WING PLATE 8/16

INTERCOSTAL PLATE 7/16

DOUBLE RIVETTED LAP

INTERCOSTAL 5½" x 3½" x 7/16

SINGLE 5½" x 3½" x 7/16

FRAMES EXTEND FROM WING TO WING

4" x 4" x 8/16

13/16 12/16 13/16 11/16 13/16 11/16 14/16

EQUIPMENT

No 46659

2 BOWER ANCHORS	43 CWT EX. STOCK	165½ CWT.
1	41	
1	38½	
1 STREAM	11	
1 KEDGE	7	
1	3½	

300 FATHOMS 2 3/16" STUD CHAIN CABLE
120 1¼" STREAM CHAIN
120 1¼" MANILLA
100 1" MANILLA
90 8" MANILLA
90 7" MANILLA
2 3" INCH STEEL WIRE HAWSERS
100 FATHOMS EACH

WATER BALLAST UNDER MACHINERY FROM FRAME 70 TO 118

COMPLETE IRON DECK 7/16" FOR ⅗ LENGTH ⊠ TO 5/16" AT ENDS

5" x 4" Y.P.

2½" x 1½"

STANCHIONS DOUBLE ROW. SPACED 4 FT. APART. 2¾" DIAM.

STRINGER PLATE 58" x 7/16" FOR ½ LENGTH ⊠ TAPERING TO 51" x 7/16" AT ENDS, DOUBLED WITH PLATED 45" x 5/16" FOR ⅗ LENGTH ⊠. STRINGER ANGLES 4½" x 4½" x 15/16" FOR ⅗ TO 8/16". GUTTER 3½" x 3½" x 7/16".

2'-8"

BEAMS ON EVERY FRAME OF BULB ANGLE 7½" x 3" x 9/16"

BEAMS AT ENDS OF HATCHES 10" x 15/16" BULB WITH SINGLE ANGLE 5" x 4½" x 15/16"

HALF GIRTH ..... 43·16
HALF BREADTH ..... 22·00
DEPTH ..... 26·33
91·49 1ST NUMERAL
LENGTH ..... 398·33
36443·2117 2ND NUMERAL
DEPTHS TO LENGTH TO MAIN DECK 15·12
DEPTH TO LENGTH TO SPAR DECK 11·77
BREADTHS TO LENGTH ..... 9·05

COMPLETE IRON DECK 7/16" FOR ⅗ LENGTH ⊠ TO 5/16" AT ENDS

6" x 2½" P.P.

STRINGER PLATES 58" x 7/16" FOR ½ LENGTH AMIDSHIPS TO 51" x 8/16" AT ENDS

ANGLES TO SHELL 6" x 4½" x 9/16" TO 8/16"

GUTTER ANGLE 3" x 3" x 7/16"

STRINGER ANGLES 4½" x 4½" x 15/16" TO 8/16"

SHEER STRAKE 36" x 1 15/16" FOR ½ LENGTH ⊠ TO 15/16" AT ENDS. S

DOUBLED FOR ⅗ LENGTH ⊠ WITH PLATED 30" x 15/16" TO BE FLUSH PLATED IN WAY OF HATCHES

48" x 15/16" TO 8/16"

20" x 14/16" DOUBLING FOR ½ LENGTH ⊠ R

SHEER STRAKE 40" x 14/16" FOR ½ LENGTH ⊠ TO 1/16" AT ENDS. P

THIS STRAKE DOUBLED BETWEEN LANDINGS FOR 12 FT. ABAFT AFTER END OF ⊠ SIDEHOUSES TO 12 FT. BEFORE AFTER ENGINE ROOM B.H. & FROM 12 FT. ABAFT FORWARD BOILER ROOM B.H. TO 12 FT. BEFORE FORE END OF MIDSHIP SIDEHOUSES.

43" x 13/16" TO 9/16" O.

43 3/16" x 13/16" TO 15/16" N

BOSS PLATES AND PLATES ABOVE AND BELOW SAME TO BE 3/16" THICKER THAN MIDSHIP THICKNESS OF SAME STRAKE; AND REMAINDER OF PLATED ON APERTURE TO BE 1/16" THICKER THAN REQUIRED BY LLOYDS.

43½" x 13/16" TO 9/16" M

43½" x 13/16" TO 15/16" L.

43½" x 13/16" TO 9/16" K

43½" x 13/16" TO 15/16" I

43½" x 13/16" TO 15/16" H

43½" x 13/16" TO 15/16" G

43½" x 13/16" TO 15/16" F

43½" x 13/16" TO 9/16" D

43½" x 13/16" TO 15/16" E

43½" x 13/16" TO 9/16" B

43½" x 13/16" TO 15/16" C.

2" x 1"

STANCHIONS DOUBLE ROW. SPACED 4 FT. APART. 3" DIAM.

TIE PLATE 20" x 15/16" FOR HALF LENGTH ⊠ TO 8/16" AT ENDS.

FRAMES 5½" x 3½" x 8/16" ALL FORE & AFT SPACED 24" APART, EXCEPT AT FORE END, SEE PROFILE

ALL TO EXTEND TO SPAR DECK STRINGER & IN WAY OF BRIDGE & FORECASTLE TO THEIR RESPECTIVE STRINGERS.

REVERSE FRAMES 3½" x 3½" x 7/16" TO BE CARRIED TO TOP OF MAIN DECK STRINGER ANGLE AND SPAR DECK STRINGER ALTERNATELY, ALL REVERSE FRAMED ABAFT AFTER PEAK BULKHEAD TO SPAR DECK.

BULKHEADS 7/16" THICK FOR LOWER HALF & 8/16" FOR UPPER HALF FITTED BETWEEN DOUBLE FRAMED 3½" x 3½" x 8/16". STIFFENERS 5½" x 3½" x 7/16" SPACED 30" APART VERTICALLY AND 4 FT. APART HORIZONTALLY. ENGINE ROOM B.H. TO BE STIFFENED WITH WEB AT CENTRE FROM KEELSON TO HOLD BEAM.

STRINGER PLATE 50" x 7/16" FOR HALF LENGTH ⊠ TO 38" x 8/16" AT ENDS.

STRINGER ANGLES 4" x 4" x 9/16" TO 8/16"

GUTTER ANGLE 3" x 3" x 7/16"

6" x 3½" P.P.

2" x 1"

BEAMS OF T BULB 10" x 15/16" ON EVERY ALTERNATE FRAME

PILLARS FOR GRAIN SHIFTING BOARDS 2 AT 3" HALF ROUND SPACED 8 FEET APART

GRAIN SHIFTING BOARDS 2½" WHITE PINE

RIVETTING BUTTSTRAPS OF SPAR DECK SHEERSTRAKE MAIN DECK STRINGER PLATES AND OF ALL SHELL PLATING TO BE TREBLE RIVETTED AND 7/16 THICKER THAN THE PLATES THEY CONNECT FOR ⅗ LENGTH ⊠.

BUTTSTRAPS OF SPAR DECK STRINGER TO BE DOUBLE RIVETTED IN WAY OF DOUBLING PLATES & 3/16 OF AN INCH THICKER THAN THE PLATES THEY CONNECT.

SPARRING 3" COPE IRON SPACED 12" APART FROM C. TO C.

STRINGER PLATE ABAFT MACHINERY SPACE INNER PLATE 28" x 7/16" OUTER PLATE 36" x 7/16" ANGLES 4" x 4" x 7/16".

STRINGER PLATE BEFORE MACHINERY SPACE INNER PLATE 39" x 7/16" OUTER PLATE 36" x 8/16" TO 7/16"

3 1/16" DIAM. SPACED 4 FT. APART. PILLARS ON SAME BEAM AS CENTRE PILLAR TO BE REDUCED TO 3" DIAMETER.

TIE PLATE 20" x 15/16"

ANGLE 3" x 3" x 8/16" ANGLES 4½" x 4" x 8/16"

BEAMS OF T BULB 10" x 15/16" ON EVERY ALTERNATE FRAME BEFORE BOILER SPACE ONLY

WEB FRAMES FITTED IN PLACE OF BEAMS IN AFTER HOLDS.

PILLARS FOR GRAIN SHIFTING BOARD 2 AT 3" HALF ROUND SPACED 8 FT. APART.

3 5/16" DIAM. SPACED 4 FEET APART. PILLARS ON SAME BEAM AS CENTRE PILLAR TO BE REDUCED TO 3" DIAM.

CENTRE KEELSON FORE AND AFT INTERCOSTAL PLATE 32" x 3/16" FOR ½ LENGTH TO 7/16 AT ENDS VERTICAL PLATE 24½" x 14/16" FOR ½ LENGTH ⊠ TO 19½" x 12/16 AT ENDS. RIDER PLATE 11½" x 11/16" FOR ¾ LENGTH ⊠. DOUBLE CONTINUOUS ANGLES ON TOP & BOTTOM 6" x 4½" x 11/16 FOR ⅗ LENGTH ⊠ TO 10/16. DOUBLE ANGLES CONNECTING INTERCOSTAL TO FLOORS — 3½" x 3½" x 8/16"

SIDE KEELSON INTERCOSTAL PLATE 9/16 TO 7/16 FORE & AFT. BUILD 12" x 13/16 FITTED FORE & AFT. DOUBLE ANGLES ON TOP OF FLOORS 6" x 4½" x 11/16 FOR ⅗ LENGTH ⊠, TO 10/16 AT ENDS. ANGLES CONNECTING TO SHELL 4½" x 3" x 8/16"

BILGE KEELSON INTERCOSTAL PLATE FOR ⅗ LENGTH AMIDSHIPS, 7/16 FOR HALF LENGTH AND 7/16 AT ENDS. BUILD FORE & AFT 12" x 10/16. DOUBLE CONTINUOUS ANGLES ON TOP OF FLOORS 6" x 4½" x 11/16 TO 10/16. ANGLES CONNECTING TO SHELL 4½" x 3" x 8/16

CEILING 2½"

FLOOR PLATES BEFORE & ABAFT E.& B. SPACE 26" x 15/16" FOR HALF LENGTH AMIDSHIP TO 8/16 AT ENDS

GARBOARD STRAKE 36" x 14/16" x 13/16"
KEEL 9½" x 3 5/16" FULL
STEM 9½" x 3 5/16" TAPERING TO 9½" x 2 1/16"
STERN POST 11" x 7½" INNER 11" x 7 5/8"
RUDDER STOCK 10" HEEL 5"

Checked & Corrected 12 Oct 1921
Lloyd's Register Foundation
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