

MIDSHIP SECTION NO. 731

SCALE 1/2" = 1 FOOT

DIMS. 500' B.P. x 63' 9" MLD 64' 0" EX. x 40' 6" TO UPPER DK.
TO CLASS 100 A.I. AT LLOYD'S SPECIAL SURVEY

4.4.19.

SCANTLINGS IN WELLS TO EXTEND
INTO BRIDGE FOR A DISTANCE EQUAL
TO 1/3RD BREADTH OF VESSEL

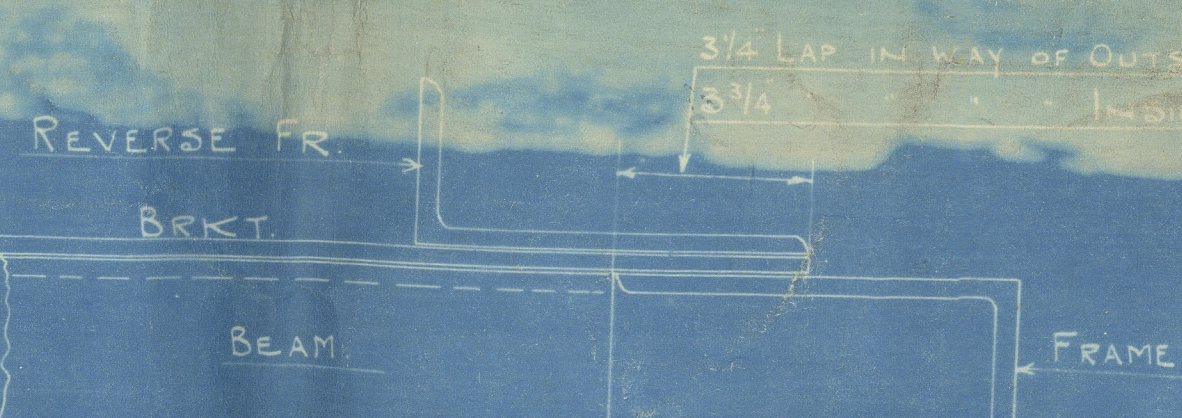
THE SCANTLINGS & DETAILS OF CONSTRUCTION NOTED HEREIN
ARE SUBMITTED ON THE UNDERSTANDING THAT THEY ARE THE
MINIMUM WHICH WILL BE ACCEPTED FOR CLASS, AND IF NOT
THEY ARE TO BE AMENDED, DELETED & OMISSIONS EXCEPTED

EQUIPMENT NUMBER	
LONGITUDINAL NO.	52072-87
POOP 47' 0" x 8' x 1/4"	2 1/2 x 2 1/4
BRIDGE 101' 15" x 8' x 1/4"	11 50 x 50
FORECASTLE 72' 0" x 8' x 1/4"	2 5 00
HOUSES 36' 11" x 8' 2 1/2" x 1/2"	5 90 89
EQUIPMENT NUMBER	54351 50

EQUIPMENT	
2 BOW ANCHORS 72 CWTs EX STOCK	
1 " 62 " " "	
1 STREAM ANCHOR 2 1/2 " " "	
1 KEDGE " 13 " " "	
300 FATHOMS 2 1/2" STD CHAIN CABLE 1040' 0-0	
120 " 1 1/2" STREAM OR 5 1/2" STEEL WIRE	
130 " 1 1/2" TOWLINE OR " " " "	
2 WARPS OF 8 100 FATHOMS OR 2 1/2" STEEL WIRE	
2 WARPS OF 8 100 " OR 2 1/2" STEEL WIRE	

NOTE:- BEAMS IN HOLDS WHERE INSULATED
TO BE AS SHALLOW AS POSSIBLE TO
SUIT OWNERS REQUIREMENTS

EXTRA SCANTLINGS OVER LLOYD'S REQUIREMENTS	
FLOORS IN ENGINE SPACE INCREASED 10" MAKING THICKNESS	38
INTERCOSTS UNDER MAIN BOILERS	10
FLOORS UNDER MAIN BOILERS	10
CR. GIRDERS IN BOILER SPACE	10
INTERCOSTS UNDER MAIN BOILERS	10
TANK TOP PLATING UNDER MAIN BOILERS INCREASED 10" MAKING THICKNESS	72
BRIDGE DECK PLATING INCREASED 10" MAKING THICKNESS	58
STRINGER	10
DECK STRAKE	10



CENTRE STRAKE 72' x 58' FOR 1/2 L &
TO 48' AT ENDS 62' IN BOILER SPACE
REDUCED 10" IN VIEW OF BOTH IN
HOLD & E SPACE = 56
BUTTS LAPPED 4 SR FOR 1/2 L TO 2R AT ENDS

3' x 3/2" x 58' FOR 1/2 L &
5' AT ENDS 10" IN B. SPACE
CENTRE GIRDER 50' x 64' FOR 1/2 L &
50' AT ENDS 65' IN B. SPACE
BUTTS LAPPED 4 SR FOR 1/2 L
TO 3R AT ENDS

5' x 5' x 64' FOR 1/2 L &
5' x 5' x 58' AT ENDS

KEEL 52' x 125' FOR 3/4 L & GRADUALLY
REDUCED TO 10" AT ENDS
BUTTS LAPPED 4 SR FOR 1/2 L 4R AT ENDS
119 RIVETS THRU BOTTOM FLANGE IN KEEL
SPACED 5 DIAS. APART CR TO CR



RIVETS IN ENDS & CROSS TO PLATES TO FRAMES IN ALL PEAKS SPACED 9 DIAS. APART
PEAKS TO SHELL PLATING AT ENDS OF DOUBLE BOTTOM BEFORE 1/2" LEN FLD. SPACED 9 DIAS. APART
6 DIAS. APART 3/2 DIAS. IN PLATE
REVERSE FR. 6
4 SR BUTTS OF OUTSIDE PLATING & STRINGER PLATES 3/2 DIAS. CR TO CR
LANDINGS OF OUTSIDE PLATING FOR RAY. SPACED 4 DIAS. CR TO CR
BUTTS OF DECK PLATING, MARGIN PLATES, BUTTS & EDGES OF INNER BOTTOM PLATING 4 DIAS. CR TO CR
GUNWALE ANGLE, EDGES & BUTTS OF BULKHEAD PLATING & EDGES OF DECK PLATING 4 1/2 DIAS. CR TO CR
FLAT PLATE KEEL ANGLE, VERTICAL ANGLE, CONNECTING FLANGE & CR GIRDER & DIAS.
SHELL FLANGE OF BULKHEAD FRAMES 5 DIAS., OTHER FLANGE 4 1/2 DIAS. APART
FRAMES & SHELLS TO ENDS OF BULKHEADS 4 DIAS. CR TO CR
CONNECTING REV. FR. TO TANK TOP 7 DIAS. CR TO CR
IN SHELL CONNECTING ANGLE 5 RIVETS IN EACH 2 1/2" IT SPACE, 4 RIVETS IN 1 1/2" SPACE
3 1/2" 20" UPPER, BRIDGE, POOP & FULL DECK PLATING TO BEAMS 7 DIAS. CR TO CR

INNER BOTTOM PLATING 48' FOR 1/2 L &
TO 42' AT ENDS 58' IN E SPACE 62' B. SPACE
BUTTS LAPPED 4 SR FOR 1/2 L TO 1R ENDS

TEELUG
REV. FR. 5 1/2" x 11 1/2" x 52' FOR 1/2 L & 42' AT ENDS 10" IN BOILER SPACE
6' x 6' x 62' IN B. SPACE
2 1/2" x 18"
FLOOR
INTE
ANGLES 3/4" x 3/4" x 82' FOR 1/2 L 48' AT ENDS 62' IN B. SPACE AT TAIL ONLY
3 1/2" x 3 1/2" x 58' " 40'

PLATES 48' FOR 1/2 L & TO 42' AT ENDS 58' IN BOILER SPACE
6' x 6' x 62' IN B. SPACE
2 1/2" x 18"
FLOOR
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ANGLES 3/4" x 3/4" x 82' FOR 1/2 L 48' AT ENDS 62' IN B. SPACE AT TAIL ONLY
3 1/2" x 3 1/2" x 58' " 40'

MIDSHIP THICKNESS CARRIED TO COLLISION BULKHEAD
PLATING 78' FOR 1/2 L & TO 54' AT ENDS BUTTS LAPPED 4 SR FOR 1/2 L TO 4R 3R AT ENDS
BOTTOM PLATING NOT REDUCED IN WAY OF DOUBLE BOTTOM
WTFLOORS TO HAVE STIFF BETWEEN GIRDERS WHERE DISTANCE EXCEEDS 6 FT

2 STRINGERS 48' x 102
BUTTS LAPPED 4 SR
STRINGER ANGLE 5' x 5' x 70

8 1/2" IN BRIDGE
42' IN POOP 46' IN FLD
BUTTS LAPPED 4 SR AT BRIDGE
4R AT POOP & FORECASTLE

76' IN BRIDGE
42' IN POOP 46' IN FLD
BUTTS LAPPED 4 SR AT BRIDGE
4R AT POOP & FORECASTLE

74' IN WAY OF BRIDGE
DOUBLING AT ENDS OF BRIDGE
BUTTS LAPPED 4 SR FOR 1/2 L & 4R
BRIDGE ENDS 4R IN BRIDGE
4R TO 3R AT ENDS

44' FOR 1/2 L &
IN WAY OF BRIDGE 50' AT ENDS
BUTTS LAPPED 4 SR FOR 1/2 L & 4R
4R IN BRIDGE 4R TO 3R AT ENDS

44' FOR 1/2 L &
IN WAY OF BRIDGE 50' AT ENDS
BUTTS LAPPED 4 SR FOR 1/2 L & 4R
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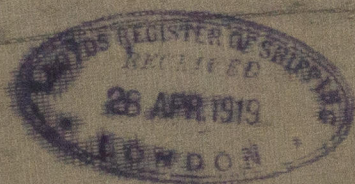
Lithgow Limited

No 731

Midship Section

of Doricstar

Greenock Report No 17901



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Lloyd's Register
Foundation

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