

Alterations in Red as approved by Lloyd's
Alterations in Blue, as actually fitted on ship.

MIDSHIP SECTION. ~ Nº 312.

LENGTH B.P. 225-0
BREADTH MLD. 35-9
DEPTH MLD. 17-3 1/2
CLASS 100 A.1. LLOYD'S SPECIAL SURVEY

SCALE - 1/2" = ONE FOOT.

S. P. AUSTIN & SON, LTD.
SHIPBUILDERS & REPAIRERS,
WEAR DOCK YARD,
SUNDERLAND.
Date: 20/9/27
Reference No. 12564

FORECASTLE BEAMS 38 x 3 x 3/4 ANGLES [UNDER 35 FEET] TO 42 x 3 x 3/4 ANGLES, 23 APART
2 ROWS PILLARS 2 1/2" DIA.
FORECASTLE STRINGER PLATE 20" x 3/2
ANGLE 3" x 3 x 3/4
DECK 30
SHEATHING UNDER WINDLASS ONLY 3 PITCH PNE.

BRIDGE DECK 26
SHEATHED WITH 2 1/2 PITCH PNE.

BRIDGE STRINGER 33 x 30
STRINGER BAR 3" x 3 x 3/4
WATERWAY PLATE 28 x 28 x 3/4

BRIDGE BULKHEAD 28

K PLATING 30 BRIDGE SIDE
AND FORECASTLE BULKHEAD

J PLATING 30 BRIDGE & FORECASTLE SIDES
BULKHEAD IN WELL 125

G 48 x 48 FOR 2 LTH
TO 27 AT ENDS

F 41 TO 37
7 1/2" x 104 IN WAY OF 27 SPACINGS

SEAMS OF SHELL PLATING DOUBLE
RIVETED TO OWNERS REQUIREMENTS

E 41 TO 37
7 1/2" x 104 IN WAY OF 27 SPACINGS

MARINER 28 x 30

TEEL BAR 24 x 40
PLATE 8 x 40

STEEL 7 x 1 1/2 STERNPOST 6 1/2 x 4 1/2, RUDDER POST 6 x 4 1/2
FRAMES IN PEAKS 6 x 3 x 3/4 ANGLES, SPACED 23 APART
FRAMES TO UPPER DECK [63 TO 85] 6 x 3 x 3/4 BA SPACED 27 APART
[86 TO 89] 6 x 3 x 3/4 BA 27" or 86 x 3 x 3/4 at 27"
[60 TO 61] 6 x 3 x 3/4 BA 27"
QUARTER DECK [7 TO 13] 6 x 3 x 3/4 BA
[14 TO 16] 6 x 3 x 3/4 BA
[31 TO 56] 6 x 3 x 3/4 BA
[75 TO 76] 6 x 3 x 3/4 BA
CENTRE ORDER 322 x 40 TO 34 x 40 IN ENGINE SPACE
TOP BAR 3 x 3 x 3/4 SINGLE, DOUBLE IN E SPACE AND PAD OF 3/5 LTH
BOTTOM BAR 38 x 38 x 40 SINGLE PAD OF 3/5 LTH - E Space under thrust.
VERTICAL CONNECTIONS 3 x 3 x 3/4 SINGLE DOUBLE IN E SPACE
Rudder 37 x 38 x 48 for no scaling.
Rudder 37 x 38 x 48 for no scaling.
VARN PLATE 125 x 40 IN FOLDS 30 IN ENG SPACE
FLOORS 30 IN FOLDS & ENG SPACE, TANK END FLOORS 38

NO COILING ON TANK TOP
NO CARGO BATTENS

THREE STRAKES OF BUTT IN SHELL TO MAINTAIN MINIMUM THICKNESS
TO RULE PORTION OF COLLISION BULKHEAD

SEAMS OF SHELL PLATING DOUBLE RIVETED TO OWNERS REQUIREMENTS

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SEAMS OF SHELL PLATING DOUBLE RIVETED TO OWNERS REQUIREMENTS

STEEL DECK WITHIN LINE OF HATCHES 30
30" AT ENGINE & BOILER CASING SIDES

3" COVERS

HATCH SIDE AND END COARINGS 1 1/4"

UNDER 35 U BEAM

UNDER 36 O' BEAM 8 1/2" CAMBER

UPPER DECK THROUGH BEAMS IN WAY OF DEEP TANK 68 x 3 x 3/4 BA KNEES 24 x 38 27" APART

HALF BEAMS 4 x 3 x 3/4 ANGLES KNEES 24 x 38 27" APART

THROUGH BEAMS FORWARD 68 x 3 x 3/4 BA KNEES 24 x 38 27" APART

ABOVE DEEP TANK 34 FORWARD 30

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SEAMS OF SHELL PLATING DOUBLE RIVETED TO OWNERS REQUIREMENTS

MINERALS	
LENGTH ON L.W.L.	224-7
BREADTH MOULDED	35-75
DEPTH MOULDED TO UPPER DECK	17-29
L x D	5685
L x [B + D]	11918
1' TO UPPER DECK	43-75
2' TO QUARTER DECK	12-99
3' TO UPPER DECK	10-81
QUARTER DECK 3'-0" ABOVE UPPER DECK	

EQUIPMENT NUMBER 12564	
2 BUNKER ANCHORS 252 ON EACH STOCKLESS	
1 ANCHOR 20	
1 STREAM 68 IN STOCK	
210 FATHOMS 1 1/2" STAD CHAIN CABLE	
75 3/8" STEEL WIRE IN LIEU OF STREAM CHAIN	
90 3/4"	
90 2 1/4"	
90 1 1/2"	
QUARTER DECK 126-75 x 35 = 443-60	
BRIDGE 15-75 x 7 x 3/4 = 82-69	
FORECASTLE 25-25 x 3 = 75-75	
HOUSE AFT 12-5 x 7 x 1/2 = 43-75	
L x [B + D] = 11918	
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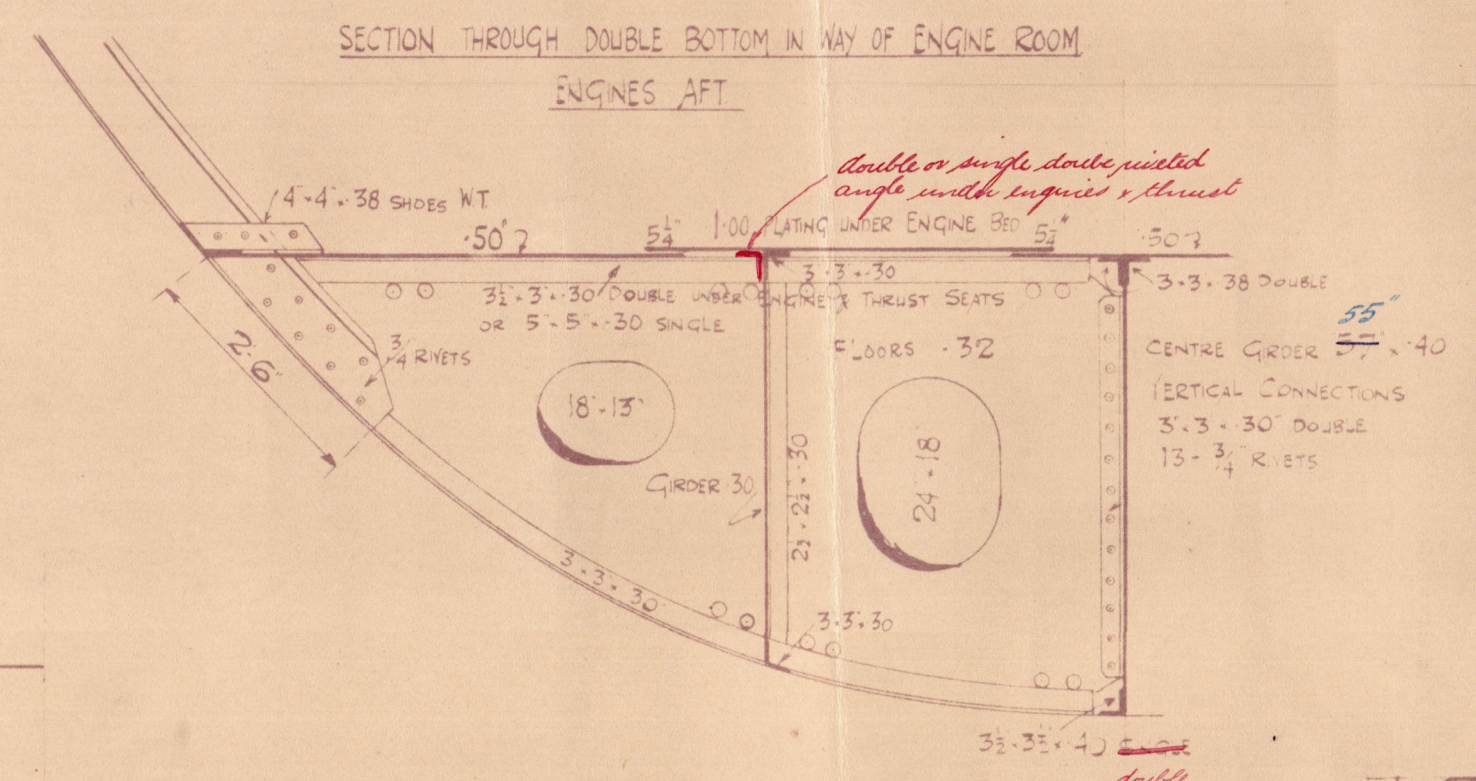
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SECTION THROUGH DOUBLE BOTTOM IN WAY OF ENGINE ROOM
ENGINES AFT



SECTION THROUGH BOILER ROOM ON 22 FRAME

SCALE 1/2" = ONE FOOT

FRAMES 19 TO 24 INCLUSIVE

{ FRAMES 85-3 x 3/4 BA (NO WEB FRAMES) }

{ FLOORS 12 x 150 SPACED 27 APART }

REVERSE BAR 7 x 3 x 3/4
DOUBLE UNDER BOILER REARERS
INTERCOSTAL 140
5 RIVETS 3/4 DIA.
CENTRAL KEELSON 50
FLOOR CONNECTIONS 24 x 50 double under boiler beams.
21 x 31 x 48 DOUBLE ANGLES

4 LTH ON FRAME
6 x 38 x 48
5' x 4' x 48
FOUNDATION PLATE 12 x 50

TEEL BAR 24 x 40
PLATE 8 x 40

TEEL BAR 24 x 40
PLATE 8 x 40

TEEL BAR 24 x 40
PLATE 8 x 40

TEEL BAR 24 x 40
PLATE 8 x 40

Fixed loading against
see section 8 para 5.

003581-003590-0239

SUNDERLAND.

S. P. AUSTIN & SON LTD.

S. S. No. 312

S. S. "LADY OLGA"

MIDSHIP SECTION.

AS BUILT.

SUNDERLAND RPT. NO 29528.

RETAIN

003581-003590-0239



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Foundation