

MIDSHIP SECTION.

Nos 261-2.

SCALE 1/2" = 1 FOOT.

DIMENSIONS:- LENGTH LWL 400'0" BEAM EX: 53'6"; DEPTH MID: 27'10".

40 class:-100 A.I.

9/3/27

POOP DECK SCANTLINGS.

STR. ANGLE 3 1/2" x 3 1/2" x 3/4"

" PLATE 35" x 3/4"

DECK 26" STEEL SHEATHED

BEAMS 7 x 3 x 3/4" 12 ROW PILLARS

SR 27" REDUCED TO 7 x 3 x 3/4" 8A

IN WAY OF 24" SPACING.

SHEERSRAKE
50" x 60" BUTTS
TREBLE RIVETED.

POOP SIDE PLATING 38"
FILE " " 40 54

"60
BUTTS TREBLE RIV.

SHEERSRAKE 50 1/2" x 38" FOR
HALF LEN. IN WAY OF COMB. BR
AND FILE 44 AT ENDS.

BUTTS TREBLE RIV.
SHEERSRAKE IN WAY OF SHORT
WELL RTT. AS PER PROFILE.

(MIDSHIP THICKNESS 38")

SHELL PLT. 38" TO 44"
IN WAY OF COMB. BR & FILE

STRAKE BELOW SHEER IN
WAY OF SHORT WELL RTT.
AS PER PROFILE.

STRINGER PIT 56" x 38" REDUCED
TO 34" x 34" AT FORE END.

BUTTS TREBLE RIV. TO DOUBLE RIV.
STR. ANG. 5 x 5 x 3/4" TO
3 1/2" x 3 1/2" x 3/4" FWD.

BRIDGE DECK PLATING 48" RULE. SEE PROFILE PLAN FOR INCREASES AT WIDE HATCHES.
" " 36" WITHIN LINE OF DECK OPENINGS FOR 2" 34.

BRIDGE DECK BEAMS 6 x 3 1/2" x 42" B. ANGLES SP. 27" 3 ROW SIZE.
" " 6 x 3 1/2" x 36" " " " IN WAY OF
26" O HATCHES & CASINGS.

BRIDGE BEAMS 78" L FROM END 8 x 3 1/2" x 36" 8A SPACED 27" REDUCED
AT END AS PER RULE. (ONE ROW SIZE).

LINE OF ENG. & BOILER CASINGS.

TWEEN DECK 8'0"

SEE SEPARATE PLAN OF HATCH SIDE & DECK
GIRDERS AND PILLARS.

HATCH 25'0" WIDE
SCANTLINGS AS PER PROFILE.

Deck 34" at After End
30" at Fore End

Deck 40" in way of 25" HATCHES
34" " " 20" " " CASINGS
32" BTH HATCHES

(DEPTH NOT TO SCALE)

FRAMES 63" x 32" x 58" B. ANGLES.
ON ALTERNATE FRAMES SCARPHED
18" ON TO MAIN FRAMES.

MAIN FRAMES CARRIED TO SUPERSTRUCTURE
IN WAY OF STRONG HATCH END BEAMS.

3 1/2" x 3 1/2" x 40" TO 34"
2 x 3 x 40"
6 x 6 x 78" IN SHORT WELL

STRINGER 66" x 38" INCREASED TO 42"
IN WAY OF 25" HATCHES TO 38" x 38"

AT FORE END BUTTS DOUBLE RIVETED
STRINGER IN SHORT WELL AS PER PROFILE.

FRAMES SCARPHED 18" (SEE 38" x 42" AT END)

6" x 78" RIVETS.

BEAM KNEES 21" x 46" 5 x 3/4" 7 x BEAMS

" " 19" x 46" 5 x 3/4" 6 x "

DEEP BEAM KNEES IN WAY OF SHORT WELL RTT.

EXTENDED FOUR SPACES INTO BRIDGE AND
POOP 40" x 40" x 58" FRAMES ON EDGE

33 33 50

THROUGH BEAMS 62" x 3" x 38" B. ANGLES SPACED 27" 3 ROW SIZE
HALF " IN WAY OF 25" HATCHES 63" x 3" x 38" 8A SPACED 27"

" " " " 20" " " CASINGS 17" x 3" x 40" 8A " "

Hangers of beams in well all are to suit riveting.

SEE SEPARATE PLAN OF HATCH SIDE
AND DECK GIRDERS AND PILLARS.

FRAMES 12" x 3 1/2" x 58" BULB ANGLES (IN CONJUNCTION
WITH 3 1/2" x 3 1/2" x 58" BULGE FRAMES) + 06" IN WAY OF
PERMANENT BUNKERS AND BOILER ROOM.

FRAMES SPACED 27" BETWEEN PEAK B'HEADS

FRAMES IN PEAKS 7 x 3 1/2" x 58" B. ANGLES SPACED 24" &
CARRIED UP TO POOP & FORECASTLE DECK.

CHANNEL FRAMES 15" x 4" x 38" IN FORWARD 1/5 PER PROFILE.

FRAMES 63" x 33" x 58" B. ANGLES IN BRIDGE FITTED ON
ALTERNATE FRAMES & SCARPHED TO MAIN FRAMES.

FITTED EVERY FRAME FOR FOUR SPACES AT BRIDGE END.

FRAMES IN POOP FORWARD OF AFT P. B'HEAD 63" x 33" x 58"
B. ANGLES ALTERNATELY WITH 5 x 3 1/2" x 35" L. INTER

HANGERS. 3 A. FRAMES SCARPHED TO MAIN FR.

FRAMES IN TWIN DECK FORWARD (AFT OF COLLISION B'HEAD) 63" x 33" x 58"
AS PER PROFILE. 1/2 x 3 1/2" x 47" 8A in alt. frames scarphed, with
intermediate frames 5 1/2 x 3 1/2" x 35" L. scarphed.

NOTE: INCREASES TO SCANTLINGS ABOVE RULE REQUIREMENTS
ARE MARKED (O.E.)

THIN TOP PLATING IN HOLDS 42" FOR 31, 36 RIVETS
" " IN ENG. RM. 48" x 10 (O.E.)
" " IN BLR RM. 56"

STEEL CENTRE LINE
BULKHEAD SCANTLING
45 PER PROFILE

FLOOR PLATES 38" x 48" IN BLR ROOM
INTERSTRAIS & BAY FLOORS 38" x 48" IN BLR RM.
FLOORS & INTERSTRAIS INCREASED 10" IN ENG. RM. (O.E.)

2 1/2" CEILING IN WAY OF HATCHES ONLY.

DOUBLE IN MCHY SPACE, UNDER THRUST, & AT BLR BARRERS

38" x 33" x 42" 52 OR.

W.T. FLOORS EXCEPT IN BOILER SPACE
INCREASED 08" AND SCARPHED WITH
ANGLE 3 1/2" x 3 1/2" x 30" PART

63" x 33" x 42

EXTRA INTERCOSTAL
UNDER ENGINES

DOUBLE FROM 15L TO COLLISION B'HEAD

BOTTOM PLATING 38" FOR 31 TO 46 AT ENDS BUTTS TREBLE RIV. THROUGHOUT
MIDSHIP THICKNESSES CARRIED TO COLL. B'HEAD OF PLAT. OF BOTTOM, AS PER RULE.

SOLID FLOORS FITTED ON EVERY 3RD FRAME WITH SKELETON FLOORS BETWEEN.

" " " " " FRAME UNDER ENGINES & AT BOILER BEARERS.

" " " " " FOR 0 OF 3/5 L. PARTIAL SOLID FLOORS UNDER THRUST.

GUSSET ANGLES 8 1/2" x 3 1/2" x 42"
62" IS SPACE. 6" RIVETS
IN EACH ARM.

2'8"

38" x 33" x 42

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38" x 33" x 42

38" x 33" x 42

Lloyds Numerals.			
LENGTH (L)	400.00		
BREADTH MID. (B)	53.25		
DEPTH MID. (D)	27.83		
L x D	400 x 27.83	11132	1 st Num.
L (B x D)	400 (53.25 x 27.83)	32432	2 nd "
4D TO UPPER DK.		14.37	
4D TO BRIDGE DK.		11.16	
4D x 24.33	4 x 24.33	97.32	WITH DEEP FRAME BAYS.

ERECTOR'S.			
POOP	36.6		
COMBINED BRIDGE & FILE	518.6		
TOTAL ERECTIONS	355 + 400 = 755		OF L.

EQUIPMENT NUMERAL.			
L (B x D)	32432		
ERECTOR'S	2130		
HOUSES	349		
EQUIP. NO.	34911		

EQUIPMENT.			
2 BOWER ANCHORS, STOCKLESS	63 cwt.		
1 " " "	56 "		
1 STREAM " "	81 STOCK	17 1/2 "	
270 PMS. STUDD LINK CHAIN CABLE		2 1/2 "	
90 " 1 1/2" STEEL CHAIN OR 1 1/2" S.W. ROPE			
120 " 1 1/2" HEMP HAWSER OR 5" " "			
2-30 PM. 2 1/2" S.W. ROPE	PROPOSE 3 1/2 (O.E.)		
2-90 " 2 1/2" " " " "			

STERN FRAME.			
PROPELLOR POST	10" x 7 1/2"		
RUDDER " "	9" x 7 1/2"		
STEM	9" x 2 1/2"		

THIN TOP CEN. STRAKE RULE 52" x 50" FOR 31, 10 ENDS
PROPOSE 66" x 48" FOR 31, 38 ENDS. 8R = 56."

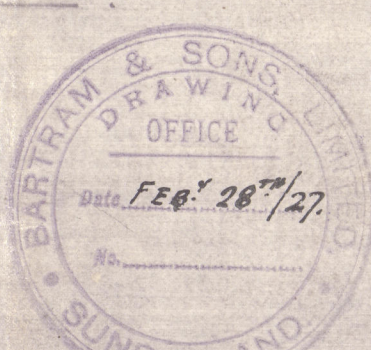
C.K. TOP BARS 5" x 5" x 50" 60 B.S.
DOUBLE 3 1/2" x 3 1/2" x 50" IN E.R. DOUBLE 3 1/2" x 3 1/2" x 78" FWD. 3/5 L.

CEN. KEELSON 48" x 52" FOR 31 TO 42 AT ENDS
" " 60" IN BLR ROOM, 6" 62" IN ENG. ROOM (O.E.)

C.K. BOTTOM RAIL SINGLE 6" x 5" x 52"
" " DOUBLE 2 1/2" x 3 1/2" x 52" FWD. 3/5 L.

SINGLE 3 1/2" x 3 1/2" x 42" 52 B.S.
DOUBLE IN WAY OF ENG. RM. & IN BLR BEARERS.

KEEL PLATE 49" x 74" FOR 3 1/5 L TO 66 AT
ENDS. BUTTS QUIND. RIV. 1" RIVETS. 14" OVERLAPS.




W189-0168

SUNDERLAND.

Bartrams 261-2-3-4.

Midship Section.

 S.S. "LLANOVER" No. 261.

SUNDERLAND RPT. No. 29659

S.S. "LLANDIHO" No. 262

SUNDERLAND RPT. No. 29707

S.S. 'LLANFAIR' No. 263

SUNDERLAND RPT. No. 29779

S.S. 'LLANWERN' No. 264.

SUNDERLAND RPT. No. 29850



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Lloyd's Register

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