

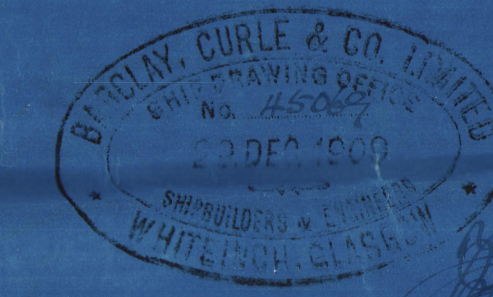
- MIDSHIP SECTION -

T. S. S. NO 482.

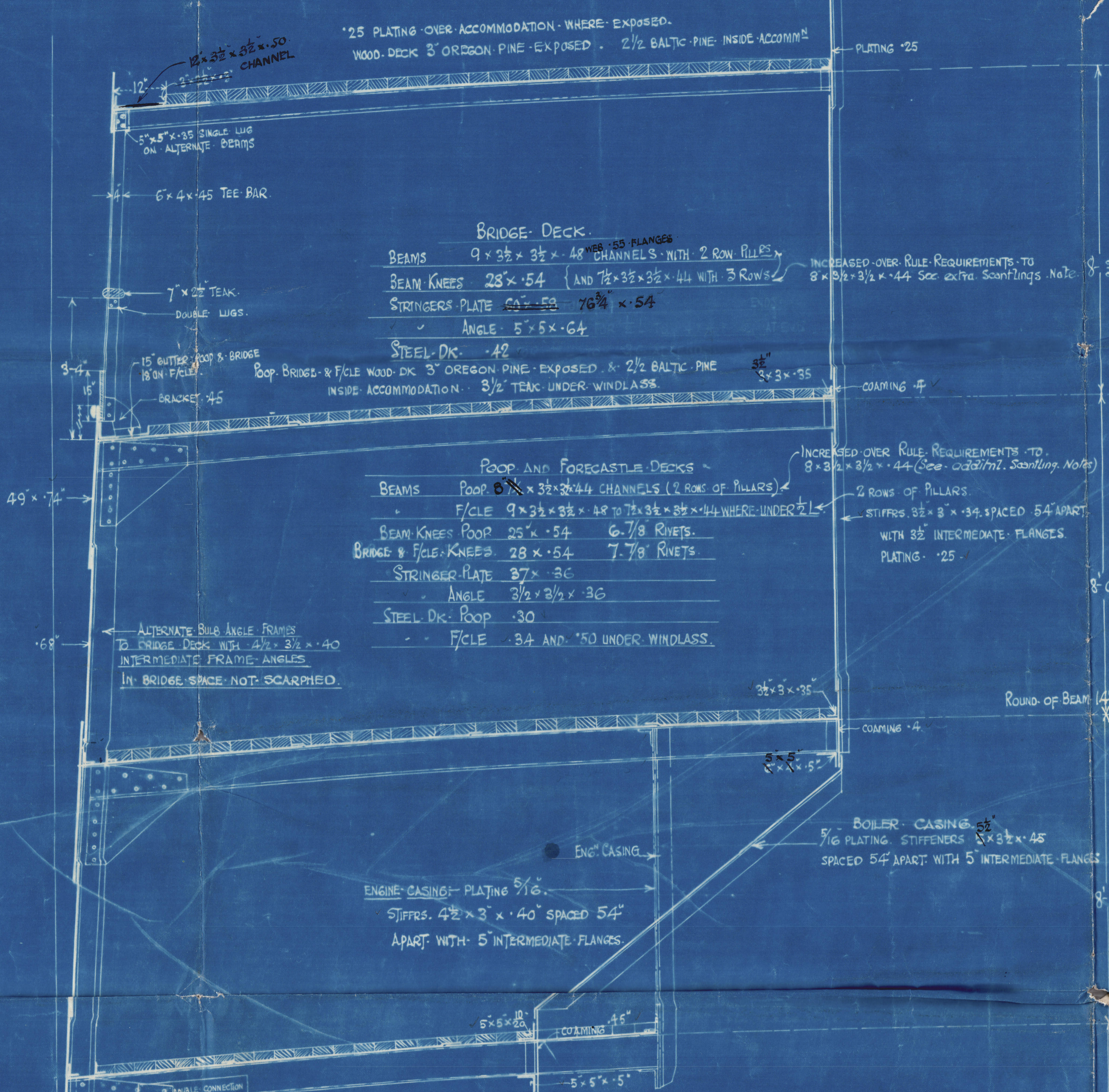
Scale: $\frac{1}{2}$ = One foot.

Moulded Dimensions: 450'-0" x 56'-0" x 34'-0"

To Class Lloyds' 100A1. Three Deck Rule.



— LIST OF INCREASED SCANTLINGS OVER LLOYDS' REQUIREMENTS —
FRAMES IN NO. 1 HOLD SPACED 24" APART INSTEAD OF 27"
THREE WEB FRAMES FITTED EACH SIDE IN NO. 1 HOLD.
PANTING STRINGER EXTENDED TO AFTER END OF NO. 1 HOLD INSTEAD OF TO FRAME 185.
FRAMES AT BREAK OF BRIDGE, FORWARD, HAVE BULB ANGLES ALL CARRIED UP TO UPPER DECK INSTEAD OF TO UPPER MAIN DECK. ALTERNATELY, FRAMES AT FORE END OF BRIDGE, HAVE BULB ANGLES ALL CARRIED UP TO BRIDGE DECK INSTEAD OF TO UPPER MAIN DECK. ALTERNATELY, BRIDGE STRINGER ANGLE DOUBLED FOR A DISTANCE OF 22'-6" ABFTT FORE END OF BRIDGE.
UPPER DECK STRINGER BAR INCREASED IN SIZE & CARRIED 9'-0" INSIDE OF BRIDGE.
BRIDGE SIDE PLATING & SHEERSTRACE INCREASED IN THICKNESS AT FORE END OF BRIDGE.
INTERCOSTAL PLATE & CHANNEL GIRDER, FITTED EACH SIDE, UNDER UPPER DECK BEAMS IN FORWARD WELL; AND UNDER POOP DECK BEAMS IN AFTER WELL.
TWO WEB FRAMES EACH SIDE TO LOWER DECK IN WAY OF BOSSING.
WEB FRAMES & SIDE STRINGERS IN ENGINE & BOILER SPACE AND RESERVE BUNKERS INCREASED FROM 27" TO 33" WIDE.
ALTERNATE WEB FRAMES IN MACHINERY SPACE CARRIED TO UPPER DECK INSTEAD OF ALL TO MAIN DECK.
POOP DECK BEAMS INCREASED FROM 7 1/2" TO 8" CHANNELS.
BRIDGE DECK BEAMS (WHERE 3 ROW PILLARS) INCREASED FROM 7 1/2" TO 8" CHANNELS. POOP & F/C DECK COMPLETELY PLATED INSTEAD OF STRINGERS & BEAMS.



LLOYDS' NUMBERS

1ST NUMBER (56+34)	= 90
2ND " 450 x 90	= 40500
3RD " 18-23 TO UPPER DECK; AND 10-17 TO BRIDGE DECK	= 1188
4TH " 13-67 IN WAY OF LOWER DECK; AND 22-17 IN MACHINERY SPACE AND BUNKERS	= 198

EQUIPMENT

L(8+0)	= 40500
POOP 138 x 3 1/2 x 3 1/2	= 422
BRIDGE 138 x 3 1/2 x 3 1/2	= 1188
FORECASTLE 138 x 3 1/2 x 3 1/2	= 422
SETTLE POOP & BRIDGE 138 x 3 1/2 x 3 1/2	= 198
After Boat DS 63 x 3 1/2 x 3 1/2	= 262
POOP DS 138 x 3 1/2 x 3 1/2	= 816
PLATING SHOWN ON 30 x 3 1/2 x 3 1/2	= 109
FLYING BOAT 138 x 3 1/2 x 3 1/2	= 260
CASINGS 81 x 3 1/2 x 3 1/2	= 584
EQUIPMENT NO	44565

TWO BOWER ANCHORS EACH 77 CWT. STEELLESS

ONE	= 66 1/2
ONE STREAM ANCHOR 22 CWT. EX STOCK	= 10
ONE KEDGE 10	= 10
300 FATHOMS 2 1/2" STUD CHAIN CABLE	= 198
100 " 5" STEEL WIRE STREAM	= 262
130 " 5 1/2" " " " " " " " "	= 816
FOUR ECHS 90 FMS 8" MANT. HAWP	= 109
2 " 100 " 8 " " " " " " "	= 260
FOUR " 90 " 8" STEEL WIRE HAWP	= 584

UPPER DECK

BEAMS WHERE 3 ROW PILLARS	8 x 3 1/2 x 3 1/2 x 44 CHANNELS
" 2 "	10 x 3 1/2 x 3 1/2 x 44 (WHERE UNDER 2 1/2")
BEAM KNEES	28 x 54 (7-7/8 RIVETS)
STRINGER PLATE IN WAY OF BRIDGE	5/16 x 54
" CLEAR OF BRIDGE	66 x 50 FOR 1/2 L TO 37 x 44 AT ENDS
STEEL DECK IN WAY OF BRIDGE	.40
" CLEAR OF BRIDGE	.48 FOR 1/2 L TO .36 AT ENDS
STRINGER ANGLE	4 x 4 x 50 UNDER BOSSING (44 UNDER POOP AND FORECASTLE) IN WELLS 54 x 54 TO 44 x 44
GUTTER ANGLE	3 x 3 x 36
WOOD DECK	2 1/2" B.P. IN ACCOMMODATION

PILLARS - ACCOMMODATION SIZES

	FOR 3 ROWS	FOR 2 ROWS
BELOW LOWER DECK	4" DIA	4 1/2" DIA
LOWER TO MAIN DECK	5 "	5 1/2 "
MAIN TO UPPER DECK	5 1/2 "	5 "
UPPER TO P. & F/C	2 1/2 "	2 1/2 "

MAIN DECK

BEAMS WHERE 3 ROW PILLARS	8 x 3 1/2 x 3 1/2 x 44 CHANNELS
" 2 "	10 x 3 1/2 x 3 1/2 x 44 (WHERE UNDER 2 1/2")
BEAM KNEES	28 x 54 (7-7/8 RIVETS)
STRINGER PLATE IN WAY OF BRIDGE	5/16 x 54
" CLEAR OF BRIDGE	66 x 50 FOR 1/2 L TO 37 x 44 AT ENDS
STEEL DECK IN WAY OF BRIDGE	.36
" CLEAR OF BRIDGE	.40 FOR 1/2 L TO .36 AT ENDS
STRINGER ANGLE	4 x 4 x 50 FOR 1/2 L TO .44 AT ENDS
GUTTER ANGLE	3 x 3 x 36
WOOD DECK	2 1/2" B.P. IN ACCOMMODATION

LOWER DECK

BEAMS IN NO. 1 & 2 HOLDS	8 x 3 1/2 x 3 1/2 x 44 CHANNELS
BEAMS IN NO. 3 & 4 HOLDS	11 x 3 1/2 x 3 1/2 x 52 (WHERE UNDER 2 1/2")
BEAM KNEES	28 x 54 (7-7/8 RIVETS)
STRINGER PLATE	5/16 x 54 FOR 1/2 L TO 37 x 44 AT ENDS
STRINGER ANGLE	4 x 4 x 50 FOR 1/2 L TO .44 AT ENDS
TIE PLATES	18 x 144
WOOD DECK	3" BALTIC PINE
GUTTER ANGLE	3 x 3 x 36

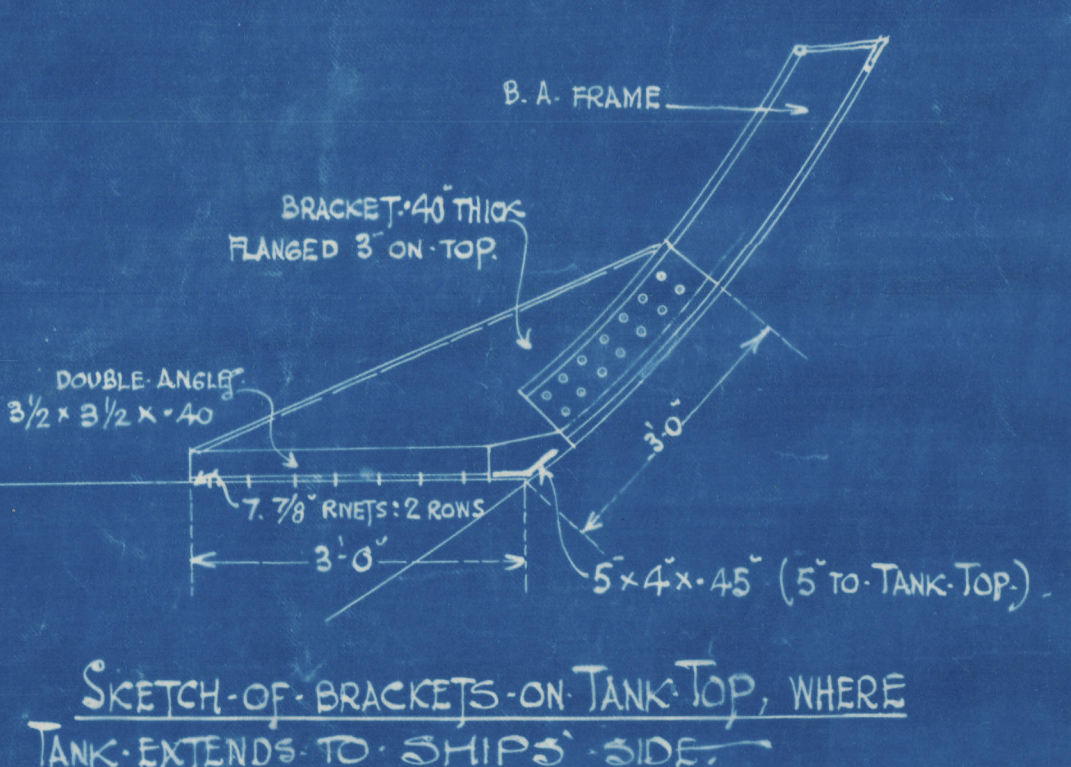
INNER BOTTOM

	1/2 LENGTH	AT ENDS	BOILER SPACE
CENTRE GIRDER	46 x 56	.46	.62
CENTRE GIRDER TOP BARS	3 1/2 x 3 1/2 x 54	.50	.64
" BOTTOM BARS	5 x 5 x 60	.54	.60
" VERTICAL "	5 x 5 x 60	51 x 31 x 42	51 x 54
SIDE GIRDERS	.42	.38	.52
" TOP BARS	3 1/2 x 3 1/2 x 44	.42	.54
" BOTTOM "	3 1/2 x 3 1/2 x 44	.42	.54
" VERTICAL "	3 x 3 x 42	.40	.52
FLOORS & WING BRACKETS	.42	.38	.52
TANK FRAMES	4 1/2 x 4 1/2 x 44	.42	.54
REVERSE FRAMES	4 1/2 x 3 1/2 x 44	.42	.54
MARGIN PLATE	39 x 50	.39	.50
MARGIN PLATE SHELL BARS	4 x 4 x 50	.50	.50
" VERTICAL BARS	2 1/2 x 2 1/2 x 44	.42	.54
CENTRE STRAKE	46 x 54	.44	.58
TANK TOP PLATING	.42	.38	.52
WIDERS FITTED EVERY 2ND FRAMES FROM THROUST RECESS BULKHEAD AFT. AND CONTINUOUS STRINGERS FORE OF THROUST RECESS. BND TO FRAME 173.			
TANK TOP IN BOILER SPACE & FLOORS UNDER BOILER BEAMERS TO BE OF IRON 7/8 18 GVE THICKNESS			
TANK TOP UNDER ENGINE SOLE .15"			
STERNPOST 11' 6" TAPERING TO 11' 5". STEM 10 1/2' x 2 1/2' TAPERING FROM L.W.L. TO 9' x 2 1/2' AT HEAD			

FRAMING

FRAMES SPACED 24" APART IN PEAKS, 27" ELSEWHERE, BUT 24" IN NO. 1 HOLD (SEE SCANTLING NOTE). FRAMES 62, 183 x 40, REV. FRAMES
IN PEAKS 3' x 3 1/2' x 40 (5 FLANGE ON FORWARD GIRDER)
IN WAY OF LOWER DECK FRAMES 9 1/2' x 3 1/2' x 40 B.A. TO MAIN AND UPPER DECK ALTERNATELY TO MAIN & F/C DECK ALTERNATELY, IN WAY OF F/C DECK WITH ALTERNATE FRAMES
IN WAY OF BRIDGE WITH ALTERNATE FRAMES
OVER BRIDGE 44 x 3 1/2' x 44 ANGLE BETWEEN MAIN AND UPPER DECK, 3 1/2' x 44 ANGLE NOT SCANTLED ALTERNATELY IN BRIDGE SPACE
FRAMES ABOARD WEB FRAMES & BULKHEADS 7 1/2' x 3 1/2' x 44 BULB ANGLE
TANK RING BRACKETE 42 FOR 1/2 L TO .32 AT ENDS, 52 IN BOILER SPACE FLANGED, 4" ON TOP (AFT. OF ENGINE SPACE ONLY)
TANK TOP PLATING CHORDS ON TANK RING FROM THROUST RECESS BULK TO TO FRAME 173. TANK TOP CARGOED OUT TO SHIP SIDE FROM 173 (SEE OBS. GUSSET NOTE)
TO COLLISION BULK

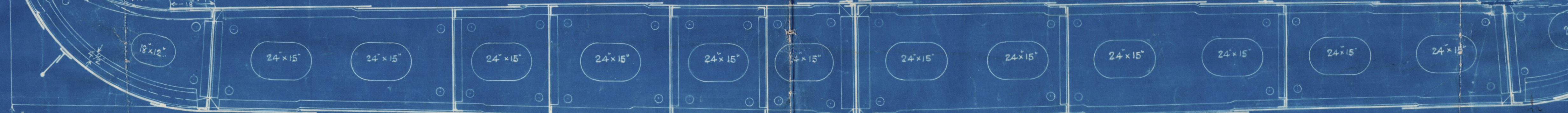
END CONNECTIONS	FOR 1/2 LENGTH	AT ENDS
KEEL	DOUBLE STRAPS TREBLE RIVETED	DOUBLE STRAPS TREBLE RIVETED
SHEERSTRACE (BRIDGE DECK)	QUADRUPLE RIVETED LAPS	
STRAKE BELOW	" " " " " "	
SHEERSTRACE FROM IN WIDE BOKE TO STRAKE BELOW DITTO	DOUBLE STRAPS TREBLE RIVETED	QUAD RIVETED LAPS WHERE 44 & OVER REMAINDER TREBLE
OUTSIDE PLATING FROM KEEL TO UPPER TURN OF BULGE	QUADRUPLE RIVETED LAPS	" " " " " "
PLATING ROUND EYE OF BOSS	" " " " " "	QUADRUPLE RIVETED LAPS
OUTSIDE PLATING FROM UPPER TURN OF BULGE TO STRAKE BELOW SHEERSTRACE AND STRAKE BELOW IN WAY OF BRIDGE	QUADRUPLE RIVETED LAPS	QUAD RIVETED LAPS WHERE 44 & OVER REMAINDER TREBLE
POOP BRIDGE & F/C DECK PLATING	" " " " " "	DOUBLE RIVETED LAPS
BRIDGE DECK STRINGER	TREBLE RIVETED LAPS	" " " " " "
BRIDGE DECK PLATING	DOUBLE RIVETED LAPS	" " " " " "
POOP DECK STRINGER	" " " " " "	DOUBLE RIVETED LAPS
POOP PLATING	" " " " " "	SINGLE " " "
FORECASTLE DECK STRINGER	" " " " " "	DOUBLE " " "
" PLATING	" " " " " "	SINGLE " " "
UPPER DECK STRINGER	TREBLE RIVETED LAPS UNDER BRIDGE BEYOND BRIDGE QUAD RIV LAPS	QUAD RIVETED LAPS WHERE 44 & OVER REMAINDER TREBLE
UPPER DECK PLATING	" " " " " "	DOUBLE RIVETED LAPS WHERE 40 & OVER
2ND & 3RD DECK STRINGERS	TREBLE RIVETED LAPS	TREBLE RIVETED LAPS
2ND DECK PLATING	DOUBLE " " "	SINGLE " " "
3RD DECK TIES	TREBLE " " "	TREBLE " " "
CENTRE GIRDER	" " " " " "	" " " " " "
MARGIN PLATE	" " " " " "	" " " " " "
TANK TOP CENTRE STRAKE	TREBLE RIVETED LAPS IN ENDS	DOUBLE RIVETED LAPS WHERE 40 & OVER
TANK TOP PLATING	SPACE REMAINDER DOUBLE	REMAINDER SINGLE RIVETED
EDGE CONNECTIONS		
POOP & FORECASTLE SHELL	SINGLE	
REMAINING SHELL LANDINGS	DOUBLE	
BRIDGE DECK STRINGER	SINGLE	
UPPER "	SINGLE	
REMAINING DECK EDGES	SINGLE	
TANK TOP CENTRE STRAKE	DOUBLE	
TANK TOP PLATING	SINGLE	



Stringer where no lower deck plate 27 x 40 (INCREASED TO 33" (SEE ADDITIONAL SCANTLING NOTE).
FACE BAR 3 1/2 x 3 1/2 x 52 SINGLE
OTHER ANGLES 3 1/2 x 3 1/2 x 48
STRAP AT WEB FRAMES 48 x 7 x 58

Rob Jones 23-48

Stringer
Plate 27 x 40 (INCREASED TO 33" (SEE ADDITIONAL SCANTLING NOTE).
FACE BAR 3 1/2 x 3 1/2 x 52 SINGLE
OTHER ANGLES 3 1/2 x 3 1/2 x 48
STRAP AT WEB FRAMES 48 x 7 x 58



KEEL PLATE 44' x 1 1/2" FOR 1/2 L TO .78 AT ENDS
2 1/2" x 70 FOR 1/2 L .50 AT ENDS
3 1/2" x 70 FOR 1/2 L .50 AT ENDS
4 1/2" x 70 FOR 1/2 L .50 AT ENDS
5 1/2" x 70 FOR 1/2 L .50 AT ENDS



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Lloyd's Register
Foundation

W534-0361

Barclay Curle & Co.
Corrected

Midships Section

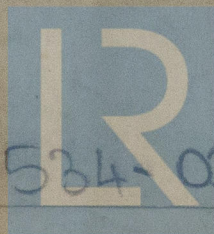
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GLASGOW REPORT No. 29324

"Polonia"



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