

S.S N^{os} 282/3 MIDSHIP SECTION.

SCALE :- $\frac{1}{2}$ " = 1 FOOT.

DIMENSIONS:- 428'-0" B.P. x 58'-2 1/2" BATH MID x 38'-3" MID TO UPPER DECK.
CLASS * 100 A.I. WITH FREEBOARD x 28'-9" " " SECOND "
CORRESPONDING TO A DRAFT NOT EXCEEDING THAT CONTEMPLATED BY THE RULES,
FOR A COMPLETE SUPERSTRUCTURE SHIP HAVING A TONNAGE OPENING.

INCREASED THICKNESSES ABOVE LLOYD'S SCANTLING ARE REQUIRED
BY OWNERS AS STATED BELOW. *These increases are not.*

THE FOLLOWING TO BE OF CHROMIUM STEEL:- *the following above*

ALL MATERIAL IN ENGINE & BOLLER ROOM TANKS, & PLUS 5% OVER MILD STEEL.
OF UNDER DECK & FRAMES IN E. 1 & 2

FORECASTLE DECK PLATING, & PLUS 5% OVER MILD STEEL.

TANK TOP IN ENGINE & BOLLER SPACE & PLUS 5% OVER MILD STEEL

SECOND DECK PLATING & PLUS 5% OVER MILD STEEL.

UPPER DECK PLATING WHERE EXPOSED & PLUS 5% OVER MILD STEEL.

SHELL PLATING FORWARD IN WAY OF PAINTING AREA & IN WAY OF BOLLER STRONGERS

THE WHOLE OF THE DEEP TANK INCLUDING DECK, BEAMS, FRAMED SHELL, BULKHEADS

TANK TOP & ALL STRINGERS & MANOE CONNECTIONS.

DOUBLE BOTTOM TO BE ABOUT $3/4$ IN EXCESS OF LLOYD'S REQUIREMENTS
ON LINE BMD IN HOLDS $3/8$ THICK & $3/16$ THICK IN THREE DECK.
BEAMS TO UPPER & 2ND DECK TO BE ONE ROW SIDE CLEAR OF ATTACH IS CASING, WITH
GIRDERS IN LINE WITH MATCH SIDE CARRIAGES.

RIVETING LIST			PIVOTS	DIMS
ITEMS.				
SIDE FRAMES TO SHELL IN PANEL AT ALL POINTS			3/4"	5/16"
" " " ROE ABOVE COLLISION BULKHEAD (ALL POSITION)			3/8"	3/4"
" " " IN DEEP TANK			3/8"	3/4"
" " " ELSEWHERE		(3/4" PIVOTS AT EDGES)	3/8"	3/4"
BOTTOM FRAMES TO SHELL FORWARD OF VAL TO COLLISION BULKHEAD			3/8"	5/16"
" " " FROM AFT TO VAL FORNS		3/8 PIVOTS	3/8"	5/16"
" " " FLOORS			3/8"	3/4"
" " " VAL POINT TO COLLISION BULKHEAD.			3/4"	5/16"
BULKHEAD FRAMES TO SHELL		DOUBLE RIVETED ANGLES	3/4"	1/2"
" " " BULKHEAD		TO DEEP TANK	3/4"	1/2"
REVERSE FRAMES TO TANK TOP UNDER HEAVY HEAVY PLATES.			1"	4"
" " " SQUARES			3/4"	7
" " " N.T. DIVISIONS			3/4"	7
" " " TANK TOP & FLOORS ELSEWHERE			3/4"	7
CENTRAL GIRDER BOTTOM ANGLES			3/8"	5
" " " VERTICAL		SEE DETAIL SKETCHES	3/8"	5
" " " TOP & BOTTOM		ON MULTIPLE RIVETING	3/8"	5
" " " VERTICAL		PROBING SECTION.	3/4"	7
N.T. FLOORS VERTICALS.			3/4"	7
MARGIN ANGLE (BODY FLANGES)			3/8"	4/16"
BULKHEAD STIFFERS EXCEPT FLOORS & DEEP TANK.			3/4"	7
" " " IN			3/4"	6
SEAMS OF SHELL PLATING (DOUBLE)		(3/4" PIVOTS AT ENDS)	3/8"	5/16"
" " " SECOND LIG (SINGLE)			3/8"	3/16"
" " " SECOND LIG			3/8"	5/16"
" " " UPPER DECK		3/4" 3/4"	3/4"	5/16"
SEAMS TO DECK PLATING (AT EVERY POINT)			3/4"	5/16"

* ARRANGED TO SUIT MULTIPLE PUNCH. Sketched to be submitted

NOTE:- MIDSHIP SECTION OF MULTIPLE RIVETING TO BE SUBMITTED.

RULE CENTRE GRADE $43\frac{1}{2}^{\circ}$ - 54° TO 46° - 62° B.P.
FITTED 41° - 56° TO 46° - 62° BOWER POINT
BUTTS TRABLE INVENTED 78° TO 74°
TOP ANGLE DOUBLE $31\frac{1}{2}^{\circ}$ $31\frac{1}{2}^{\circ}$ - 49° TO 46°
BOTTOM ANGLES DOUBLE 4° $33\frac{1}{2}^{\circ}$ - 66° TO 62° (TO 50% ANCHOR LINE)
VERTICAL ANGLES $3\frac{1}{2}^{\circ}$ 3° 45°
 " " 5° 5° 45° W/3% UNDER THURST
 " " 3° 5° 56° UNDER BOWLE BOARDS

[illegible][illegible][illegible]

LENGTH ON LOAD LINE.	458'-0"
BREADTH MOORED.	38'-2 1/2"
DEPTH TO UPPER DECK.	38'-3"
" " SECOND DECK.	28'-9"
RULE DEPTH (28'-3" + 8'-0")	36'-8"
1ST NUMBER $6 \times I$	15928.00
2ND " $6 \times (B+D)$	40638.00
$\frac{1}{2}$ BY DEPTH TO SKEWER DECK =	11.00
α AT 1/2 FORWARD FRAMES	24.38 24.4
α AT E & B. SPACE	24.38 24.0
α AT COLLISION BULKHEAD, PAINTING FRAMES.	24.38 24.4
α (OTHER THAN FRAMES)	24.38 24.8

EQUIPMENT NUMBERS	
2ND NUMBER	41280-82
FORECASTLE	120-81
CASING & SIDEHOUSES	125-20
BALCON DECKHOUSE	121-00
BRIDGE	92-00
WATER	133-00
	42076-11
2 BOWER ANCHORS 27 1/2 TONS EACH STOCKLESS	
1 " " 62 CMTS STOCKLESS	
BOWER ANCHORS COLLECTIVE WEIGHT 207 TONS.	
1 STREAM ANCHOR 20 1/2 CMTS LK STOCK	
300 PATENTED 2 1/4" STUD CROWN CABLE (TAYCO PATENT) PALE 2 1/4"	
120 "	5" STEEL WIRE STREAM 92A
130 "	5" " " TOWLINE 92A
2-100 "	2 1/4" " " HANGERS 91A
2-100 "	2 1/4" " " HARPS 91A

Barthamus 242-3

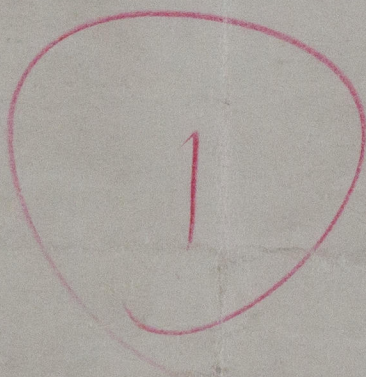
Mudshp Section



Harpagus

Sed. 32855

"Harpagich"
SUNDERLAND RPT. NO. 32905



382A GEN BOX NO

W43-0031



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