

SHIP N° 683 AND 684

MIDSHIP SECTION AS BUILT.

SCALE 1/2" = ONE FOOT
PLAN NO. 2A

LOFT (4) 3/9/40
MANAGER (1) 2/10/40
PLATER (2) 2/10/40

MOULDED DIMENSIONS 42'-0" x 57'-3 1/2" x 34'-6" To UPPER D
CLASS 100A1 LLOYDS WITH FREEBOARD CORRESPONDING
TO A SUMMER MOULDED DRAFT OF 25'-5"

$L \times D = 420.0 \times 34.5 = 14490$
 $L(B+D) = 420.0 \times 91.79 = 38552$
 $D = 34.5$
 $L/D = 12.17$ TO UPPER DECK
 $L/D = 10.0$ " BRIDGE
 $d = 20.87'$ CLEAR OF MACHINERY SPACE
 $d = 20.87$ IN " " "

FRAME SPACING	
24" IN PEAKS	
27" FORWARD OF $\frac{3}{5}$ LF TO COLLISION BND	
30" ELSEWHERE	RULE = 30 1/4"

STEM = $10'' \times 2\frac{5}{8}''$
STERN POST = $10\frac{3}{4}'' \times 8\frac{1}{4}''$
RUDDER " = $10\frac{3}{4}'' \times 8\frac{1}{4}''$

EQUIPMENT TO RULE

DOUBLE BOTTOM SCANTLINGS							
ITEM	%L AMIDSHIPS		AT ENDS		REMARKS	ENG. ROOM	BOILER ROOM
	RULE	AS FITTED	RULE	AS FITTED			
CENTRE GIRDER	4'3" x 5'5"	ABOVE BASE	4'6" x 5'	4'5"	LIVESTOCK HOLES IN TWO	4'3" x 5'3"	61"
" - BOTTOM ANGLES	4'4" x 5'5"	4'4" x 5'5"	4'9"	4'9"	Double All F.R.		58 CENT
" - TOP "	3 1/2 x 3 1/2 x 4 7/8	3 1/2 x 3 1/2 x 4 7/8	4'3"	4'3"	"		5'7"
" - VERT "	5'3 1/2 x 4'3 1/2	5'3 1/2 x 4'3 1/2	4'3"	4'3"	" (8" x 12" HOLES)		5'5"
SIDE GIRDERS	5'7"	3'7"	5'7"	5'7"	SINGLE BULKHEAD, TRANSVERSE, PAINT.	4'1"	5'1"
" - BOTTOM ANGLES	3 1/2 x 3 1/2 x 4'5"	3 1/2 x 3 1/2 x 4'5"	4'3"	4'3"			5'5"
" - TOP "	3'8" x 4'5"	3'8" x 4'5"	4'3"	4'3"	DOUBLE BULKHEAD HARBOR	3 1/2 x 3 1/2 x 4'5"	5'3"
" - DECK "	5'5" x 5'4"	5'3 1/2 x 5'4"	3'7"	3'7"	SEALING WELD.	3 1/2 x 3'1" x 5'9"	4'1"
FLOORS	4'1"	4'1"	4'1"	4'1"	SOLID ON EVERY FRAME		4'8"
" - FRAMES	3'3 1/2 x 4'5"	3'4" x 4'5"	4'1"	4'1"	ON 8" x 8" V.L. OR		4'8"
" - REV "	3'3" x 3'4"	3'2" x 4'3"	4'3"	4'3"	SPACE UNDER DECK SPACE		5'5"
W.T. FLOORS	4'3"	4'3"	4'3"	4'3"	TRANSVERSE ALONG HULL		5'1"
TANK MAGGIN	IN RELIEF	IN RELIEF	5'3"	5'3"	AS PER TABLE 78		5'9"
" - SHELL ANGLE	3 1/2 x 3'5" x 5'3"	3'4" x 3'5" x 5'3"	5'3"	5'3"	6'0" x 6'3" IN WAY OF FLAT TANK		6'3"
" - VERT ORACLE	6'0" x 4'4"	6'0" x 4'4" x 6'0"	4'4"	4'4"	DOUBLE AT 28'31" x 4'4" AT FLAT TANK		5'3"
" - INSIDE	6'1" x 4'4" x 4'5"	6'1" x 4'4" x 4'5"	4'4"	4'4"	DOUBLE AT 31'31" x 4'4" AT FLAT TANK		5'3"
WING BRACKETS	4'4"	4'4"	4'4"	4'4"	3'5" x 3'4" FACE BAR		5'3"
TANK TOP C'STRAKE	6'0" x 4'9"	6'0" x 4'9"	4'3"	4'3"	RULE 51 - 4'3"	5'7"	5'7"
" - PLATING	4'3"	4'3"	3'1"	3'1"	+ 08 UNDER MATCHES	5'1"	5'7"

RIVETING				
ITEM	END LAPS		EDGE LAP	
	1/2 L	ENDS	1/2 L	END
WHEEL	4	3 ^{1/2} 1/2	2	2
BOTTOM SHELL	4	3	2	2
SIDE "	3	3	2	2
SHEERSTRAKE	2 1/2	2	3	2
STRAKE BELOW	3 1/2	2	3	2
BRIDGE SIDE PLATING	4	3	2	2
CENTRE GIRDER	3	3		
MARGIN	3	3	1	1
TANK TOP CENTRE STRAKE	3	2 1/2	2	1
" " PLATING	2	1	1	1
MAIN DECK STRINGER	2	2	1	1
" " PLATING	2	1 1/2	1	1
UPPER " PLATING	2 1/2	3	1	1
" " PLATING	2 1/2	2 1/2	1	1
BRIDGE " PLATING	3	3	1	1
" " PLATING	2 1/2	2 1/2	1	1

SPACING OF RIVETS IN DOUBLE BOTTOM.
FRAMES: RIVETS IN BOTH FLANGES SPACED $7DIA^{.85}$ CRT TO CR.
FORW^D OF $\frac{1}{2}$ LE RIVETS IN BOTH FLANGES SPACED $5\frac{1}{2} DIA$ CRT TO CR
REV. FR^S = RIVETS IN BOTH FLANGES SPACED $7DIA^{.85}$ CR TO CR (CLEAR OF Eng Room)
CR ALONG BOTTOM ANGLE. RIVETS IN BOTH FLANGES $5DIA^{.85}$ CRT TO CR

SPACING OF RIVETS IN SIDE FRAMES
SIDE FR. TO SHELL RIVETS SPACED $6\frac{1}{2}$ DIA^{RS} C_S TO C_S
IN PEAK TANKS AND IN WAY OF PANTING $5\frac{1}{2}$ DIA^{RS} C_R TO C_R

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