

ENGINE CASING  
PLATED HORIZONTALLY WITHOUT COAMINGS  
PLATING WHERE EXPOSED = .30"  
" " " PROTECTED = .24"  
STIFFS: 3 1/2" x 2 1/2" x .30" SPACED ABOUT 38"

DIMENSIONS.

LENGTH AS PER RULE  $392.94 \times .96 = 377.22 = L = 377' - 2 \frac{1}{2}"$  ✓  
BREADTH MOULDED  $B = 54' - 0"$  ✓  
DEPTH " " TO UPPER DECK  $D = 27' - 0"$  ✓  
" " " SHELTER "  $D = 35' - 0"$  ✓  
HEIGHT BETWEEN SHELTER & FORECASTLE  $= 7' - 3"$  ✓

SCANTLING NUMBERS:

TRANSVERSE NUMBER  $B \times D = 54 \times 27 = 1458$  ✓  
LONGITUDINAL "  $L (B \times D) = 377.22 \times 1458 = 54954.8$  ✓  
L/D TO SHELTER DECK  $= \frac{377.22}{54} = 10.77$

$L(B \times D) = 30554.8$   
 $\frac{3}{4} \times \text{LENGTH} \times \text{HEIGHT OF SHELTER DECK} = (\frac{3}{4} \times 377.22 \times 9) = 2265.0$   
 $\frac{3}{4} \times \text{ " " " " FORECASTLE} = (\frac{3}{4} \times 36 \times 7.25) = 195.8$   
 $\frac{1}{2} \times \text{ " " " " DECKHOUSES} = (\frac{1}{2} \times 93.5 \times 7.5) = 350.6$   
EQUIPMENT NUMBER = 33366.2

EQUIPMENT.

3 STOCKLESS BOWERS ANCHORS 56.23 CWTs. EACH (TOTAL = 170 1/2 CWTs)  
1 ORDINARY STREAM ANCHOR 16 1/4 " (EXCL. STOCK)  
1 " " KEDGE " 7 " " " "  
270 FATHOMS 2 3/16" STUD-CHAIN CABLE  
90 " 1 1/16" STREAMCHAIN OR 4 3/4" STEEL WIRE  
120 " 14" HEMP TOWLINE " 4 3/4" " " "  
2 OF 90 " 6" HAWSERS " 2 3/4" " " " } WITH OWNERS CONSENT  
2 " 90 " 7" WARPS " 2 1/2" " " " } TO STEEL WIRE.

DOUBLE BOTTOM PLATES.

CENTRE GIRDER TO PLAT PLATE KEEL  $4 \frac{1}{2} \times 4 \frac{1}{2} \times .60$  FOR 1/2 L - 56" AT ENDS DBL  
TOP OF CENTRE GIRDER  $3 \frac{1}{2} \times 3 \frac{1}{2} \times .50$  " " " 48" " "  
MARGIN PLATE TO OUTSIDE PLATING  $3 \frac{1}{2} \times 3 \frac{1}{2} \times .40$  " XL " "  
FRAMES FROM AFTER END TO 3/5 L FOR V  $3 \frac{1}{2} \times 3 \frac{1}{2} \times .40$  BGL ✓  
" " " 3/5 L FOR W TO COLL BULKHEAD  $3 \frac{1}{2} \times 3 \frac{1}{2} \times .40$  DBL ✓  
REVERSED FRAMES ON FLOORS  $3 \frac{1}{2} \times 3 \frac{1}{2} \times .40$  FOR 1/2 L DOUBLE IN ENGINE ROOM ✓  
SIDE GIRDERS TO OUTSIDE PLATING  $3 \frac{1}{2} \times 3 \frac{1}{2} \times .40$  FOR 1/2 L SGL ✓  
" " " DOUBLE BOTTOM " " " " OR FLANGE WITH 3 1/2" FAYING SURFACE, EXCEPT IN E.R. AND FOR W & 3/5 L ✓  
" " " FLOORS  $3 \times 3 \times .40$  FOR XL SGL ✓  
FLOORS TO MARGIN PLATE  $5 \times 5 \times .40$  " " " TO SUIT CORRESPONDING ✓  
BILGE BRACKETS ANGLE SEE PLAN ✓  
FLOORS TO CENTRE GIRDER  $3 \frac{1}{2} \times 3 \frac{1}{2} \times .40$  DBL FOR 1/2 L SGL AT ENDS ✓  
BILGE BRACKETS TO MARGIN PLATE  $5 \times 5 \times .34$  BGL FOR 1/2 L ✓

VERTICAL CENTRE GIRDER  $4 \frac{1}{2} \times 50$  FOR 1/2 L - 40" AT ENDS - WATERTIGHT FR. 36-141.  
SIDE GIRDERS (2 ON EACH SIDE)  $38" \times " \times .36" \times "$  ✓  
MARGIN PLATE  $.46" \times " \times XL$  ✓  
" " 35" DEPTH (EXCL. OFF.) FOR 3/5 L AND FOR W TO COLL BULKHEAD  
" " REDUCED TO 20 1/4" AT AFTER END OF TANK ✓  
FLOOR PLATES ON EVERY FRAME  $40" \times 40" \times 1/2 L - .36" \times 40" \times 1/2 L$  ✓  
TANK TOP-HIDE LINE STRAKE  $60" \times 48" \times " \times 40" \times " \times 40" \times "$  ✓ Rule 42 + 150  
" REMAINDER PLATES  $.40" \times " \times .34" \times "$  ✓  
BILGE BRACKETS  $.40" \times " \times .36" \times "$  ✓

RIVETING OF DOUBLE BOTTOM:  
CENTRE GIRDER TOP-ANGLE 7/8" RIVETS, WHERE W.T. SPACED 5 DIA. APART - WHERE NOT W.T. 7 DIA.  
" " BOTTOM- " 1 1/8" " FOR 3/5 L, 1" RIVETS AT ENDS, SPACED 5 DIA. APART  
MARGIN PLATE ANGLE TO SHELL 7/8" RIVETS, TO MARGIN PLATE 3/4" RIVETS, SPACED 4 1/2 DIA. APART.  
BOUNDARY ANGLES OF W.T. FLOORS 3/4" RIVETS SPACED 5 DIA. APART.  
TANK TOP SEAMS & BUTTS 3/4" RIVETS 4 DIA. APART.

THE FLASH POINT OF THE OIL FUEL TO BE ABOVE 160°F AND THE REMAINING REQUIREMENTS OF SECTION 49 OF THE RULES TO BE COMPLIED WITH.

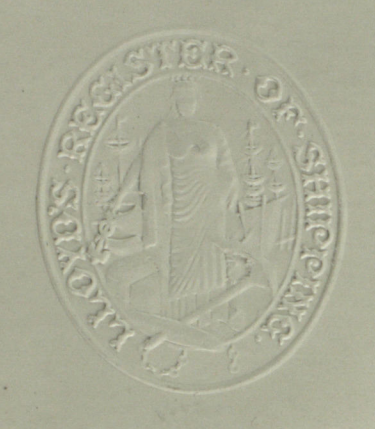
M.S. 442 & 443.  
MIDSHIP SECTION.

SCALE: 1:25.

BRITISH LLOYDS CLASS: 100 A 1 SHELTER DECK.  
MATERIAL OF STEEL, TESTED AS PER RULES.

FOR OUTSIDE PLATING SEE SEPARATE PLAN 442-8M.

AKTIEBOLAGET LINDHOLMEN-MOTALA  
Fartygkonstruktionskontoret  
1-10-20.





Midship Section

M/S No 442 & 443

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Lloyd's Register  
Foundation

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