



# MIDSHIP SECTION N°301<sup>+2</sup> Ships

## CLASS 100 A.I. AT LLOYDS (STEEL STEAM TRAWLER)

DIMENSIONS 117'-0" x 21'-6" x 13'-0" M.A.

SCALE  $\frac{3}{4}$ " = 1 FOOT.

5-11-13  
17-11-13 (N°302)

### MATERIAL

FRAMES, BEAMS, DECK STRINGERS, FLOORS.

SHELL, STEM & BULWARKS OF STEEL.

REMAINDER OF IRON.

DECK PLATED IN WAY OF ENG. & B. SPACE  
FROM CASING SIDE TO STRINGER.

TIES 7" x  $\frac{9}{16}$ "

DECK 5" x 3" P.P.

BULWARK STAYS  
6" x  $\frac{3}{8}$ " BULB ANGLE  
SPACED ABOUT  
6'0" APART

STRINGER 26" x  $\frac{9}{16}$ "  
" 17" x  $\frac{5}{16}$ " AT ENDS

BEAMS 5" x 3" x  $\frac{1}{2}$ " ON ALTERNATE FRAMES

CAMBER 9"

### PROPORTIONS

8-6 DEPTHS

5-4 BREADTHS

$\frac{1}{2}$  GIRTH 19-27

$\frac{1}{2}$  BREADTH 10-75 21-5

DEPTH 13-43 13-0

43-45 = 13-5 NUMERAL

116 117

50-40-2 = 2-0 NUMERAL

### SHELL RIVETING

BUTTS  $\frac{3}{4}$ " RIVETS 2 $\frac{1}{8}$ "

EDGES " 3" to 3 $\frac{3}{4}$ "

FRAMES " "

(6 RIVETS BETWEEN FRAMES)

FRAMES 4" x 3" x  $\frac{1}{2}$ " SPACED 21" APART THROUGHOUT.

BULK HEADS  $\frac{1}{4}$ "

FLOORS INCREASED TO 16" x 3" x  $\frac{1}{2}$ " IN ENGINE & BOILER SPACE.

$\frac{1}{16}$ " THICKER IN ENGINE AND BOILER SPACE.

RUDDER HEAD 4 $\frac{3}{4}$ " DIA. MAIN PIECE AT HEEL 3 $\frac{1}{2}$ " DIA. PINTLES 2 $\frac{3}{4}$ " DIA.

### RIVETTING

SHELL PLATING OVERLAPPED THROUGHOUT EXCEPT  
SHEER AND CHAMBER STRAKES WHICH ARE TO BE BUTTSTRAPPED

ALL LANDING EDGES TO BE DOUBLE RIVETED

BUTTS OF DECK STRINGERS OVERLAPPED AND DOUBLE RIVETED

BUTTS OF SHELL PLATING DOUBLE RIVETED THROUGHOUT.

EXCEPT BILGE STRAKE WHICH IS TREBLE RIVETED.

FOR  $\frac{1}{2}$  LENGTH AMIDSHIPS.

SINGLE LUGS.  
2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " x  $\frac{1}{4}$ "  
TO TAKE 2 RIVETS.

5" x 3" x  $\frac{1}{2}$ " ANGLE

65'0" FOR P OF  
FRAME 13

5" x 3" x  $\frac{1}{2}$ " ANGLE

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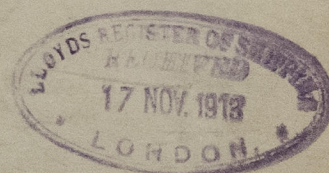
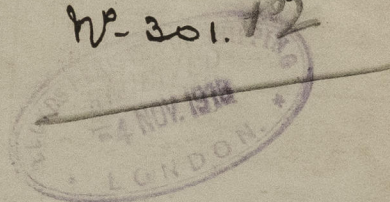
5" x 3" x  $\frac{1}{2}$ " ANGLE

5" x 3" x  $\frac{1}{2}$ " ANGLE

5" x 3" x  $\frac{1}{2}$ " ANGLE



Midship Section  
Master J. S. Eltringham & Co.  
No. 301.12



301 "John Donovan"  
302 "Alex Haskie"

NEWCASTLE-ON-TYNE.

Report No. 66575

Inve. 66677.



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