

# DIMENSIONS.

LENGTH OF FIRE BARS  
 AREA OF FIRE GRATE  
 DIAM. OF TUBES OUTSIDE  
 LENGTH OF TUBES  
 NO OF TUBES  
 SURFACE OF TUBES  
 TOTAL HEATING SURFACE  
 WORKING PRESSURE  
 DIAM. OF SAFETY VALVE

PARTICULARS OF RIVETING  
 LONGITUDINAL SEAMS TO BE TRIPLE RIVETED AND FITTED  
 WITH DOUBLE BUTT STRAPS. HOLES DRILLED  $\frac{5}{16}$  3.575 PITCH  
 CIRCUMFERENTIAL SEAMS TO BE DOUBLE RIVETED LAP JOINTS  
 HOLES DRILLED 3 PITCH

ALL RIVETS TO BE OF STEEL

PERCENTAGE OF STRENGTH  
 OF JOINT

PLATE  $85\frac{1}{4}\%$   
 RIVETS  $92\frac{1}{2}\%$

MANHOLE IN SHELL 16" X 12" LINED  
 OUTSIDE WITH STEEL PLATE 6" BROAD  $\frac{3}{4}$ " THICK.

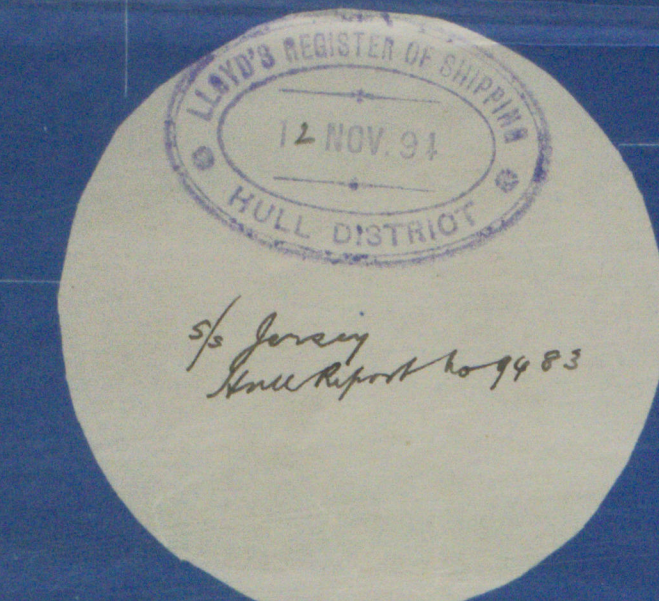
THESE STAYS TO BE 2" DIAM  
 5.59 EFFECTIVE AREA  
 TO HAVE RIVETED WASHERS  
 11" DIAM AND  $\frac{1}{16}$ " THICK

DOUBLE  
 GIRDER STAYS OF IRON  
 6" X 12" FITTED WITH  
 THREE SUPPORTING BOLTS  
 12" DIAM  $\frac{1}{2}$ " PITCH.

ALL SCREWED STAYS  
 TO BE OF STEEL AND  
 FITTED WITH NUTS  
 AT EACH END.

TUBES 3" DIAM<sup>8</sup> OUTSIDE  
 AND SWELLED TO 3" AT  
 FRONT END  
 N° 6 B.W.G.

STAY TUBES  $\frac{1}{2}$ " THICK  
 9% EFFECTIVE AND  
 SCREWED TO 3" AND  
 3" AT ENDS.



SCALE 1/4" INCH TO A FOOT

STEEL BOILER NO 415

CHARLES D. HOLMES & CO.  
 ENGINEERS & BOILER MAKERS  
 HULL

HUL 415-1010



s/s - Jersey

Hull Report No 9483

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