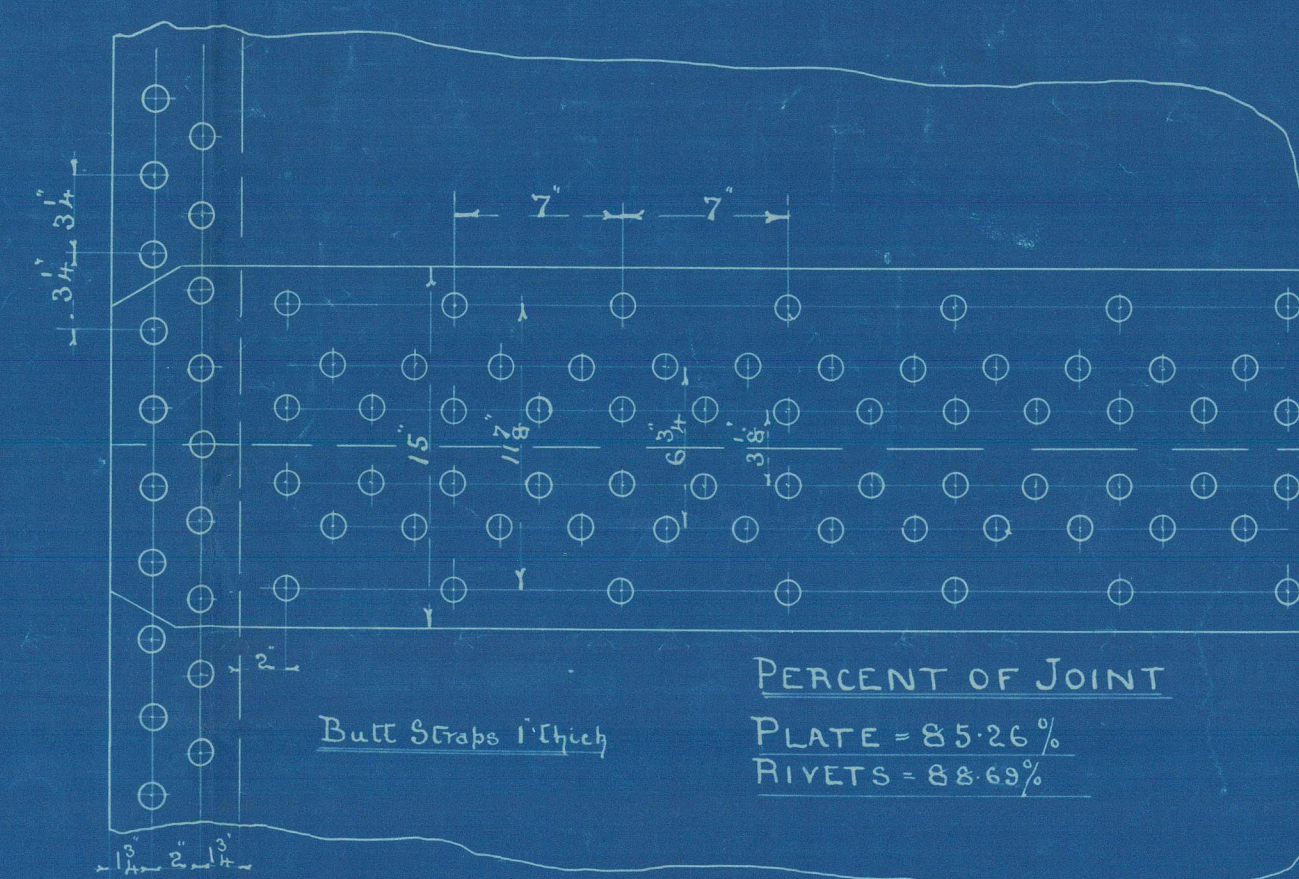


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DIMENSIONS.	
LENGTH OF FIRE BARS	34
AREA OF FIRE CRATE	162
DIAM OF TUBES OUTSIDE	2 1/2
LENGTH OF TUBES	Over Plates 16 1/2
Nº OF TUBES	162
SURFACE OF TUBES	870
TOTAL HEATING SURFACE	1095
WORKING PRESSURE	180
DIAM OF SAFETY VALVE	

**PARTICULARS OF RIVETING**  
**SHELL:-** Longitudinal joint to be triple riveted double butt joint. Holes drilled 1 1/2 dia 7 Pitch.  
 Circumferential Seams to be double riveted lap joints. Holes drilled 1 1/2 dia 3 1/2 Pitch.  
**FURNACES:-** Front & Back Ends to be single riveted.  
**COMB CHAMBERS:-** Bottom & Sides to be single riveted. Top to be double riveted.  
**END PLATES:-** Cross Seams to be double riveted.



**PERCENT OF JOINT**  
 PLATE - 85.26%  
 RIVETS - 88.63%

**MANHOLE IN SHELL 16 x 12**  
 Lined inside with 1 Plate 7 Broad.

**GIRDER STAYS:-** Double Iron 1/2 Thick  
 8 1/2 dia 8 Pitch. Fitted with 3 supporting bolts  
 1 3/4 dia 2.07 8 1/2 Area 8 1/2 Pitch

**LINING PLATE:-** To be fitted  
 between Tube Heads.

**COMB CHAMBERS:-**  
 To be fitted with Stays  
 1 3/4 dia 1/8 8 1/2 Dia  
 2.07 8 1/2 Area

**ALL SCREWED STAYS**  
 To be screwed into both  
 plates & fitted with nuts  
 at both Ends

**STEEL STAYS 2 3/4 dia 578 8 1/2 Area**  
 Front ends 3/8 dia 1/2 Thick. Back ends fitted with 2 3/8 Inside Nuts 1 1/2 Thick  
 Washers 8 dia 1/2 Thick

**SHELL PLATES 29 TONS TENSILE**

**6 1/4 Over Plates**

**PLAIN TUBES 3 1/2 dia 10 1/2 8 BWG**  
 Front ends 3/8 dia 1/2 Thick. Back ends 3/8 dia 1/2 Thick

**STAY TUBES 5/16 Thick in body**  
 screwed at ends to 3/8 dia 1/2 Thick

**LONGITUDINAL JOINT WELDED**

**HOLMES WITHDRAWABLE FURNACES**

**2 1/2 STEEL STAY**

**STAYS:-** marked  
 To be between Comb  
 Chambers at Centre

**STAYS:-** marked  
 To be between Comb  
 Chambers & Shell

**2 1/2 STEEL STAY**

**1 3/4 LINING PLATE**

**1 3/4 STEEL STAYS**  
 1 3/4 dia 2.07 8 1/2 Area

**STAYS:-** marked  
 To be 1 3/4 dia

**STUDS FOR ZINC PLATES TO BE**  
 FITTED WHERE REQUIRED FOR Nº 743

**12-0 OUT DIA**

**TOPASS LLOYDS**

**10-0 TOTAL LENGTH**

**12-0 OUT DIA X 10-0 LONG**  
**180 LBS W.P.**

**BOILER Nº 1802**

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

8/20/20  
 23/3/16



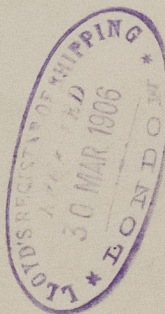
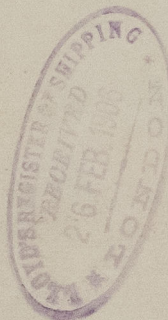
Boiler No 782, 802.



of Tokio

Hull Report No 18246

No  
Lloyds Test  
360 lbs.



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Lloyd's Register  
Foundation