

# REPORT ON BOILERS.

No. 2429

THU. 5-OCT 1916

Received at London Office

Date of writing Report 31<sup>st</sup> Aug 1916 When handed in at Local Office 31<sup>st</sup> Aug 1916 Port of Philadelphia  
 No. in Survey held at Philadelphia Date, First Survey 8<sup>th</sup> July 1915 Last Survey 14<sup>th</sup> Aug 1916  
 Reg. Book. on the S.S. "J. M. Danziger" (Number of Visits 68) Tons } Gross }  
 Master Philadelphian Built at Philadelphia By whom built The W<sup>m</sup> Cramp & Sons Co {428 When built 1916 } Net }  
 Boilers made at Philadelphia By whom made The W<sup>m</sup> Cramp & Sons Co When made 1916  
 Owners Petroleum Transport Co Port belonging to Los Angeles

**VERTICAL DONKEY BOILER**— No. 1 Description Vertical Tubular Manufacturers of steel Worth Bros  
 Made at Philadelphia By whom made W<sup>m</sup> Cramp When made 1916 Where fixed Stockhold Working pressure 190  
 Tested by hydraulic pressure to 285 Date of test 24-5-16 No. of Certificate 47 Fire grate area 10.62 Description of safety valves Spring loaded  
 No. of safety valves 1 Area of each 4.9 Pressure to which they are adjusted 190 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler Yes Dia. of donkey boiler 4-5 1/2 Length 8' 0" Material of shell plates Steel Thickness 5/8 Range of tensile strength 28/32 Descrip. of riveting long. seams D. R. Lap Dia. of rivet holes 1 1/8 Whether punched or drilled drilled Pitch of rivets 3 1/2  
 Lap of plating 4 3/4 Per centage of strength of joint 79.5 Working pressure of shell by rules 199 Thickness of shell crown plates 3/4  
 Radius of do. flat No. of Stays to do. none Dia. of stays none Diameter of furnace Top 3-8 1/8 Bottom 3-8 1/8 Length of furnace 25 3/8  
 Thickness of furnace plates 1 1/16 Description of joint S. Riv. Working pressure of furnace by rules 204 Thickness of furnace crown plates 1/2 Radius of do. flat Stayed by tubes beaded Diameter of uptake none Thickness of uptake plates —  
 Thickness of water tubes 12 B.W.G.

The foregoing is a correct description,  
 THE W.M. CRAMP & SONS SHIP & ENGINE BUILDING CO.  
 J. J. Miller C.E. Manufacturer.

Dates of Survey while building { During progress of work in shops - - }  
 { During erection on board vessel - - }  
 Total No. of visits See Rpt 4. Is the approved plan of boiler forwarded herewith Yes

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)  
See Report 4

Survey Fee ... .. £ : : } When applied for, ..... 19 .....  
 Travelling Expenses (if any) £ : : } When received, ..... 19 .....

A. T. Thomas,  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute New York SEP 21 1916  
 Assigned See J.E. report

