

## REPORT ON BOILERS.

No. 380

SAT. 13 OCT. 1923

Received at London Office  
 Date of writing Report 9<sup>th</sup> Oct 23 When handed in at Local Office 12<sup>th</sup> Oct 23 Port of Sheffield  
 Date, First Survey 11<sup>th</sup> Sept 1923 Last Survey 9<sup>th</sup> Oct 1923  
 No. in Survey held at Cradley  
 No. in g. Book. Donkey Boiler No 13868.  
 on the Built at Buxtonhead  
 By whom built Cammell Laird 1895  
 When built  
 By whom made Cradley Boiler Co Ltd  
 When made 1923  
 Port belonging to

VERTICAL DONKEY BOILER No. 13868 Description Vertical Cross Tube Manufacturers of steel Colville  
 By whom made Cradley Boiler Co When made 1923 Where fixed Working pressure 80  
 Date of test 9/10/23 No. of Certificate 474 Fire grate area 49 sq ft Description of safety valves Spring loaded  
 Date of test 9/10/23 No. of Certificate 474 Fire grate area 49 sq ft Description of safety valves Spring loaded  
 Area of each 34 sq in Pressure to which they are adjusted 80 lb If fitted with easing gear No If steam from main boilers can  
 Dia. of donkey boiler 3'-0" Length 7'-0" Material of shell plates Steel Thickness 3/8" Range of tensile  
 Descrip. of riveting long. seams Lap. Double Riv Dia. of rivet holes 11/16" Whether punched or drilled Drilled Pitch of rivets 2 3/8"  
 Rivets 68% Working pressure of shell by rules 182 lb Thickness of shell crown plates 3/8"  
 Plates 71% Diameter of furnace Top 2'-2 1/4" Bottom 2'-6" Length of furnace 4'-1"  
 No. of Stays to do. NONE Dia. of stays 1" Working pressure of furnace by rules 91 lbs Thickness of furnace crown  
 Description of joint Welded Diameter of uptake 9" Thickness of uptake plates 3/8"  
 Radius of do. 2'-3" Stayed by  
 Thickness of water tubes 3/8" (2)  
 The foregoing is a correct description,  
 CRADLEY BOILER CO LTD Manufacturer.  
 William H. Managing Director

Dates { During progress of work in shops - - } Sep 11<sup>th</sup> 27<sup>th</sup> Oct 9<sup>th</sup>  
 { During erection on board vessel - - }  
 Total No. of visits

Is the approved plan of boiler forwarded herewith Yes with Shf. Rpt. 381

## GENERAL REMARKS (State quality of workmanship, opinions as to class, &amp;c.)

The boiler has been built under special survey in accordance with the approved plan. The workmanship & material is good.  
 The boiler is being sent to Buxtonhead.

This Boiler has now been fitted on board S.S. "LA MAREA" and is to be used for heating and galley purposes. It has been examined under steam and the safety valve adjusted to 80 lbs per sq inch. All found satisfactory. The boiler has been fitted with an oil fuel installation in accordance with approved plan. Secretary's letter E August 30, 1923 and the rule requirements. On completion the installation was examined and tested under full working conditions and found satisfactory in every respect. The Boiler is eligible in our opinion to have notation "Fitted for oil fuel H-24, FP above 150°F."

John Dykes - J.W. Leicester  
 Liverpool  
 H-24

Survey Fee ... £ 4 : 4 :  
 Travelling Expenses (if any) £ 1 : 4 :

When applied for, 19  
 When received, 23/10/23

Robert W. Gregor

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

- 8 APR 1924

ZP

Lloyd's Register  
 Foundation  
 002038-002050-0226