

# REPORT ON BOILERS.

No. 1216H

TUES. 24 DEC 1907  
TUES. 19 MAY 1908

Received at London Office

Date of writing Report 20/12 19 07 When handed in at Local Office 20/12 19 07 Port of Lisbon  
 No. in Survey held at Lisbon Date, First Survey 30<sup>th</sup> Oct. Last Survey 9<sup>th</sup> December 1907  
 Reg. Book. 5-08 on the Smoking Boiler for Sun du S.B. Co 197 (Number of Visits 3) Gross Tons      Net Tons       
 Master      Built at      By whom built      When built       
 Boiler made at Lisbon By whom made Black & Son When made 1907  
 Owners      Port belonging to     

**VERTICAL DONKEY BOILER**— No.      Description Vertical Manufacturers of steel Dunlop & Co  
 Made at Lisbon By whom made Black & Son When made 12/07 Where fixed Atchheld Working pressure 100 lbs  
 tested by hydraulic pressure to 200 lbs Date of test 9/12/07 No. of Certificate 636 Fire grate area 22 sq Description of safety valves Spring  
 No. of safety valves m Area of each 11.0 Pressure to which they are adjusted 98 If fitted with easing gear yes If steam from main boilers can enter the donkey boiler m Dia. of donkey boiler 6-3" Length 10-6" Material of shell plates S Thickness 15/32 Range of tensile strength 27-32 Descrip. of riveting long. seams Lap both Dia. of rivet holes 13/16 Whether punched or drilled drill Pitch of rivets 3 1/2"  
 Lap of plating 5" Per centage of strength of joint      Rivets 82 Working pressure of shell by rules 105 Thickness of shell crown plates 5/8"  
 Radius of do. 6-6" No. of Stays to do. 4 Dia. of stays 1 5/8" Diameter of furnace Top 4-11" Bottom 5-8" Length of furnace 5-6"  
 Thickness of furnace plates 19/32 Description of joint Lap single Working pressure of furnace by rules 100 Thickness of furnace crown plates 3/4 Radius of do. 6-6" Stayed by As shell plates Diameter of uptake 15 3/4" Thickness of uptake plates 3/8"  
 Thickness of water tubes 3/8"

The foregoing is a correct description,  
Ses. Black & Son Manufacturer.

Dates of Survey while building { During progress of work in shops - - } 1907 Oct 30, Nov 12, Dec 9.  
 { During erection on board vessel - - - }  
 Total No. of visits 3 Is the approved plan of boiler forwarded herewith yes.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)  
This boiler has been built under special survey. The materials and workmanship are sound and good and on completion the boiler was held by hydraulic pressure to twice the working pressure and found satisfactory.

Survey Fee ... .. £ 2 : 2 : - When applied for 23/12/07 1907.  
 Travelling Expenses (if any) £ 1 : 12 : - When received 15/1/08 1908.

Per Secretary's letter to you  
W. A. A. Smith  
 Engineer, Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. 22 MAY 1908  
 Assigned eu minute on

Std Rpt 23674

