

5b.

# REPORT ON BOILERS.

No. 39011

Received at London Office

Copy.  
 Date of writing Report 9<sup>th</sup> Aug 1919 When handed in at Local Office 11. 8. 1919 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey July 11 Last Survey 8<sup>th</sup> Aug 1919  
 eg. Book. 849 on the Donkey Boiler No. 8059 for S/S "Bolivia" (Number of Visits 2) Tons Gross 1677 Net 1621  
 Master E. Groöwell Built at Newcastle By whom built Edward Shipbds (Ltd) When built 1890.2  
 Boilers made at Annan By whom made Cochran & Co, Annan, Ltd. When made 1919  
 Owners Rederiaktiebolaget Svenska Lloyd. Port belonging to Gothenburg.

**VERTICAL DONKEY BOILER**— No. 8059 Description Cochran Manufacturers of steel Stewart & Lloyds.  
 Made at Annan By whom made Cochran & Co When made 1919 Where fixed Gothenburg Working pressure 100  
 Tested by hydraulic pressure to 200 Date of test 8/8/19 No. of Certificate 12344 Fire grate area 26 $\frac{1}{2}$  Description of safety valves Spring loaded  
 No. of safety valves Two Area of each 30 Pressure to which they are adjusted 105 lbs If fitted with easing gear Yes If steam from main boilers can  
 enter the donkey boiler No Dia. of donkey boiler 4'-0" Length 15'-0" Material of shell plates Steel Thickness  $\frac{7}{32}$  Range of tensile  
 strength 24/32 Descrip. of riveting long. seams Lap. S. R. Dia. of rivet holes 29/32 Whether punched or drilled drilled Pitch of rivets 2.75 ins  
 up of plating 4 $\frac{1}{2}$  Per centage of strength of joint Rivets 70.6 Plates 67 Working pressure of shell by rules 100 Thickness of shell crown plates  $\frac{7}{16}$  15/32  
 Radius of do. 42 ins No. of Stays to do. 3 Dia. of stays 1 Diameter of furnace Top Radius Bottom 6'-0" Length of furnace 47 $\frac{1}{4}$  ins  
 Thickness of furnace plates  $\frac{7}{32}$  7/8 Description of joint Riveted ring Working pressure of furnace by rules 100 Thickness of furnace crown  
 plates 7/32 Radius of do. 36 inches Stayed by Hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 9/16"  
 Thickness of water tubes Plates  
 A - 7/8"  
 B - 3/4"

The foregoing is a correct description,  
 For Cochran & Co, Annan, Limited,  
 (signed) C. Walley. Manufacturer.

Dates { During progress of work in shops - -  
 Survey while { During erection on board vessel - -  
 building { Total No. of visits

1919. July 11. Aug 8.

Drawing No 9696.

Is the approved plan of boiler forwarded herewith Yes.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) This boiler has not been built under Special Survey. The material however has been tested by one of the Society's Surveyors in accordance with the Rules.

The boiler has been examined inside and outside, and the scantlings checked and found to be in accordance with the Rules. The workmanship is good, and the boiler found to be in every way efficient.

RETAIN

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

When applied for, ..... 19  
 When received, ..... 19

(Signed)

Peter McGregor

Employed Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 18 NOV. 1919

Assigned

TUE. MAY. 18 1920

FRI. DEC. 31 1920

FRI. AUG. 20 1920

TUE. APR. 19 1921

Lloyd's Register  
 Foundation

W382-0182