

# REPORT ON BOILERS.

No. 18952.

Date of writing Report 20/8/28 When handed in at Local Office 31<sup>st</sup> August 1928 Port of Greenock Received at London Office 5 SEP 1928  
 No. in Survey held at Greenock Date, First Survey 29<sup>th</sup> July 1924 Last Survey 29<sup>th</sup> August 1928  
 Reg. Book. "Brunswick" (Number of Visits )  
 on the "Brunswick" Tons  Gross  
 Master Greenock Built at Greenock By whom built Scotts Shipbuilding & Engineering Co. When built 1928  
 Boilers made at Greenock By whom made Scotts Shipbuilding & Engineering Co. When made 1928  
 Owners Atlantic Refining Co. Port belonging to Panama

Vertical BOILER— No. 501 Description Vertical Manufacturers of steel Beardmore  
 Made at Greenock By whom made Scotts Shipbuilding & Engineering Co. When made 1928 Where fixed Engin Room Working pressure 25  
 tested by hydraulic pressure to 50 Date of test 15.6.28 No. of Certificate 1824 Fire grate area 161 Description of safety valves Double Spring  
 No. of safety valves 2 Area of each 1.76 Pressure to which they are adjusted 25 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler   
 Dia. of donkey boiler 2.10 Length 15.3 Material of shell plates S Thickness 3/8" Range of tensile strength 28-32 Descrip. of riveting long. seams SR Lap Dia. of rivet holes 27/32 Whether ~~flushed~~ or drilled drilled Pitch of rivets 1 7/8"  
 Lap of plating 2 1/2" Per centage of strength of joint 60% Working pressure of shell by rules 90 Thickness of ~~shell crown~~ Top plates 5/8"  
 Radius of do.  No. of Stays to do.  Dia. of stays 1 1/2" Diameter of furnace Top 3.6 Bottom 3.6 Length of furnace 4.3  
 Thickness of furnace plates 7/16 Description of joint SR Lap Working pressure of furnace by rules 67 Thickness of furnace crown plates 5/8" Radius of do.  Stayed by  Diameter of uptake 1 1/8" Thickness of uptake plates 3/8"  
 Thickness of water tubes

SCOTT'S SHIPBUILDING & ENGINEERING COMPANY LIMITED.  
 The foregoing is a correct description,  
W. Gordon-Mitchell Manufacturer.  
 Commercial Manager

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

*See Machinery Report.*

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 in accordance with the approved plan. The workmanship & material are of good quality. It is now securely fitted on board. This Rept. accompanies that of the Machinery.

Included in Report:  
 Survey Fee £ 4 : 4 :  
 Travelling Expenses (if any) £ : :  
 London Bill 27/4/27  
 When applied for, See Rept.  
 When received, 19

W. Gordon-Mitchell  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 4<sup>th</sup> SEP 1928  
 Assigned See accompanying report.



Lloyd's Register Foundation