

# REPORT ON BOILERS.

No. 39561

Received at London Office WED. 28. JAN. 1920

Form of writing Report 19 When handed in at Local Office 26.1.20 Port of Glasgow.  
 Date, First Survey 8/12/19 Last Survey 19-1-20  
 No. in Survey held at 1920  
 g. Book. on the Vertical Boiler No. 2211. S.S. Dynamo. (Number of Visits 5) Tons } Gross }  
 } Net }  
 Built at Workington By whom built R. Williamson & Son No. 230 When built 1920  
 By whom made Anderson & Sons When made 1920  
 Port belonging to Hull.

**VERTICAL DONKEY BOILER**— No. 2211. Description Cross Tubes. Manufacturers of steel Colville & Sons.  
 Made at Corfin By whom made Anderson & Sons. When made 1920. Where fixed In Stakehold Working pressure 90.  
 Tested by hydraulic pressure to 180 Date of test 19-1-20 No. of Certificate 15043 Fire grate area 13.2. Description of safety valves Double spring loaded  
 No. of safety valves 2 Area of each 2.4 Pressure to which they are adjusted 95 lbs If fitted with easing gear yes If steam from main boilers can  
 Enter the donkey boiler No Dia. of donkey boiler 4.9" Length 10.0" Material of shell plates Steel Thickness 3/8" Range of tensile  
 strength 28/32T. Descrip. of riveting long. seams DR. cap. Dia. of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 2 3/4"  
 Gap of plating 3/4" Per centage of strength of joint Rivets 128.3. Working pressure of shell by rules 101. Thickness of shell crown plates 1/2"  
 Plates 40.4. Diameter of furnace Top 3.10" Bottom 4.1 1/4" Length of furnace 30"  
 Radius of do. 5ft. No. of Stays to do. 5. Dia. of stays 1 3/4" Diameter of uptake 15" Thickness of uptake plates 1/2"  
 Thickness of furnace plates 1/2" Description of joint Weld. Working pressure of furnace by rules 121. Thickness of furnace crown  
 plates 1/2" Radius of do. 3.10" Stayed by Stays. Diameter of uptake 15" Thickness of uptake plates 1/2"  
 Thickness of water tubes 3/8"

The foregoing is a correct description,  
 Alex Anderson & Sons Manufacturer.

Dates of Survey while building  
 During progress of work in shops - 1919 Dec 8-18 1920 Jan 8-13-19  
 During erection on board vessel - -  
 Total No. of visits 5

Is the approved plan of boiler forwarded herewith Yes

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)  
 The Boiler has been built under Special Survey in accordance with the Approved Plan and Rules of the Society.  
 The materials & Workmanship are good throughout.  
 The Boiler is to the order of Messrs McRie & Baxter Govan and has been dispatched there.  
 This boiler has been securely fitted on board and tried under steam with satisfactory results.

Survey request form  
 No  attached

Survey Fee ... .. £ 2 : 2 : : When applied for, 26.1.1920.  
 Travelling Expenses (if any) £ : : : When received, 9.2.1920.

RWboomber John Barr  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 27 JAN 1920  
 Assigned TRANSMIT TO LONDON

See Glasgow Report No. 39933  
 11 MAY 1920  
 LLOYD'S REGISTER OF SHIPPING  
 W 29-0042