

5b.

## REPORT ON BOILERS.

No. 47229

Received at London Office 2 NOV 1927

of writing Report 19 When handed in at Local Office 31.10.27 Port of Glasgow  
 Survey held at Annan Date, First Survey 20.9.27 Last Survey 28. October 1927  
 on the BOILER N° 10649  
 Built at Annan By whom built Cochran & Co. Annan L<sup>d</sup> When built 1927  
 When made 1927  
 Port belonging to

VERTICAL DONKEY BOILER— No. 1 Description Vertical Manufacturers of steel D. Colville & Sons, Ltd.  
 Made at Annan By whom made Cochran & Co. Annan L<sup>d</sup> When made 1927 Where fixed Working pressure 135 lbs.  
 Tested by hydraulic pressure to 253 lbs Date of test 28/10/27 No. of Certificate 7649 Fire grate area 22.5 sq ft Description of safety valves  
 Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can  
 Dia. of donkey boiler 6'6" Length 16'0" Material of shell plates Steel Thickness 19/32" & 23/32" Range of tensile 2-875  
 Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 3/32" Whether punched or drilled drilled Pitch of rivets 3-031  
 Rivets 71-0 Working pressure of shell by rules 139 lbs Thickness of shell crown plates 17/32" & 1"  
 Per centage of strength of joint Plates 66.05  
 Radius of do. 3'3" No. of Stays to do. none Dia. of stays Diameter of furnace Top 4'6" Bottom 5'6" Length of furnace  
 Thickness of furnace plates 19/32" Description of joint Seamless & ogee Working pressure of furnace by rules 150 lbs Thickness of furnace crown  
 ogee ring 143.5 lbs  
 Radius of do. 2'9" Stayed by radius Diameter of uptake 5" x 23" Thickness of uptake plates 9/16"  
 Thickness of water tube plates Front 1 1/16" Back 15/16"  
 The foregoing is a correct description.  
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
 J. C. Woodham

Dates During progress of work in shops - 1927 Sep 20. 28. 30 Oct 4. 11. 14. 21. 28  
 During erection on board vessel -  
 Total No. of visits 8

copy of.  
 Is the approved plan of boiler forwarded herewith Yes.

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

This boiler has been built under Special Survey in accordance with the Rules and approved plan. The materials and workmanship are good.

It has been built to the order of Messrs. Cammell Laird & Co. Birkenhead and intended for vessel No. 928.

This boiler has been satisfactorily fitted on board Greythorpe Castle  
 (Report herewith) J. D. Millett.

Survey Fee ... £ 4 : 4 :  
 Travelling Expenses (if any) £ : :  
 When applied for, 19  
 When received, 19

MONTHLY ACCOUNT

A. Campbell  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 1- NOV 1927

Assigned

TRANSMIT TO LONDON

001947-003005-0014

Lloyd's Register  
 Foundation