

Form 5b.

# REPORT ON BOILERS.

No. 27713  
WED. 12 MAY 1909

Received at London Office

Date of writing Report May 5<sup>th</sup> 1909 When handed in at Local Office 10/5/1909 Port of Glasgow  
 No. in Reg. Book. Survey held at Annan Date, First Survey 19<sup>th</sup> March 1909 Last Survey 7<sup>th</sup> May 1909  
 on the Key Boilers for Barclay Curle & Co No 10. (Number of Visits 7) Tons } Gross }  
 } Net }  
 Master \_\_\_\_\_ Built at \_\_\_\_\_ By whom built \_\_\_\_\_ When built \_\_\_\_\_  
 Boilers made at \_\_\_\_\_ By whom made \_\_\_\_\_ When made \_\_\_\_\_  
 Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_

**VERTICAL DONKEY BOILER** — No. 4858 Description Archon patent Manufacturers of steel Stewart & Lloyd.  
 Made at Annan By whom made Archon & Co Annan Stb When made 1909 Where fixed \_\_\_\_\_ Working pressure 120 lbs  
 tested by hydraulic pressure to 240 lbs Date of test 4.5.09 No. of Certificate 9836 Fire grate area 16<sup>3</sup>/<sub>4</sub> Description of safety valves \_\_\_\_\_  
 No. of safety valves \_\_\_\_\_ Area of each \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ If fitted with easing gear \_\_\_\_\_ If steam from main boilers can enter the donkey boiler \_\_\_\_\_  
 Dia. of donkey boiler 5'-6" Length 19'3" Material of shell plates steel Thickness 2<sup>1</sup>/<sub>2</sub>" Range of tensile strength 28,300 lbs Descrip. of riveting long. seams double riv lap Dia. of rivet holes 2<sup>1</sup>/<sub>2</sub>" Whether punched or drilled drilled Pitch of rivets 2<sup>1</sup>/<sub>6</sub>"  
 Lap of plating 4<sup>1</sup>/<sub>2</sub>" Per centage of strength of joint \_\_\_\_\_ Rivets 60 Working pressure of shell by rules 123 lbs Thickness of shell crown plates 1<sup>5</sup>/<sub>8</sub>"  
 Radius of do. 2'-9" No. of Stays to do. none Dia. of stays \_\_\_\_\_ Diameter of furnace Top 2'-4<sup>1</sup>/<sub>2</sub>" Bottom \_\_\_\_\_ Length of furnace 3'-3<sup>1</sup>/<sub>4</sub>"  
 Thickness of furnace plates 1<sup>1</sup>/<sub>2</sub>" Description of joint solid dished Working pressure of furnace by rules 124 lbs Thickness of furnace crown plates 1<sup>1</sup>/<sub>2</sub>" Radius of do. 9'-4<sup>1</sup>/<sub>2</sub>" Stayed by hills Diameter of uptake 13" x 19<sup>1</sup>/<sub>2</sub>" Thickness of uptake plates 9<sup>1</sup>/<sub>16</sub>"  
 Thickness of water tubes plates 2<sup>1</sup>/<sub>2</sub>" The foregoing is a correct description,  
 For COCHRAN & CO. ANNAN, LIMITED Manufacturer.

Dates { During progress of work in shops - - } 1909. Mar 19. 23 Apr 2. 16. 23. 29 May 7  
 { During erection on board vessel - - - }  
 while building { Total No. of visits } 7. Is the approved plan of boiler forwarded herewith Yes.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) This boiler has been made under survey. The material + workmanship are of good description and the hydraulic test proved satisfactory.

DRAWING No 17400.

Survey request H.C. 69 attached

Survey Fee ... .. £ 2 : 2 : } When applied for, Monthly, etc.  
 Travelling Expenses (if any) £ : : } When received, ..... 19

GLASGOW 11 MAY. 1909

James Morrison  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
 TUES. 1 MAR 1910

Committee's Minute \_\_\_\_\_  
 Assigned Transmit to London.



as it does not appear  
that this Boiler is  
intended for a classed  
vessel, it is submitted  
that no further  
action be taken  
in this case

H.C.D.  
17/5/09  
R.L.  
17.5.09

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GEAR'S BENVISIA

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Foundation



BEFORE ON BOILERS

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