

# REPORT ON BOILERS.

No. 27588  
WED. 7 APR 1909  
SAT. 17 JUN 1909

St. Wheatfield - Newcastle-on-Tyne 56828

Date of writing Report April 1<sup>st</sup> 09 When handed in at Local Office 3/4/1909 Port of Glasgow  
 No. in Reg. Book 1000 Survey held at Annan Date, First Survey 4<sup>th</sup> Feb 1908 Last Survey 2<sup>nd</sup> April 1909  
 on the Sty Boiler for Messrs J. Y. Eltringham & Coy's S.S. No 241 (Number of Visits 9) Gross 515 Tons Net 197  
 Master S. Shields Built at S. Shields By whom built J. Y. Eltringham & Coy When built 1909-6  
 Boilers made at S. Shields By whom made J. Y. Eltringham & Coy When made 1909  
 Owners Spillers & Bahus Ltd. Port belonging to Cardiff

**VERTICAL DONKEY BOILER** No. 4809 Description Bocher patent Manufacturers of steel Stewart & Lloyd's  
 Made at Annan By whom made Bocher & Co Annan Ltd. When made 1909 Where fixed S Shields Working pressure 100 lbs  
 tested by hydraulic pressure to 200 lbs Date of test 2/4/09 No. of Certificate 9826 Fire grate area 10 7/8 Description of safety valves Spring  
 No. of safety valves one Area of each 4.9 Pressure to which they are adjusted 100 lb If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no  
 Dia. of donkey boiler 4'-6" Length 10'-0" Material of shell plates steel Thickness 3/8" & 1/2" Range of tensile strength 28-28 1/2 tons  
 Descrip. of riveting long. seams double pin lap Dia. of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2 1/2", 2 3/8", 2 3/4"  
 Lap of plating 3 5/8" Per centage of strength of joint 68.8 Working pressure of shell by rules 104 lbs Thickness of shell crown plates 9/16"  
 Radius of do. 4'-9" No. of Stays to do. none Dia. of stays none Diameter of furnace Top 22 1/2" Bottom 18" Length of furnace 2'-8 1/2"  
 Thickness of furnace plates 2" & 9/16" Description of joint solid dressed & punched Working pressure of furnace by rules 133 lbs Thickness of furnace crown plates 1/2"  
 Radius of do. 22 1/2" Stayed by oil Diameter of uptake 10 1/2" x 1 1/4" Thickness of uptake plates 1/2"  
 Thickness of water tubes plates 1/2" & 1 1/8"

The foregoing is a correct description, For COCHRAN & CO., LIMITED, Manufacturer.

Dates of Survey while building  
 During progress of work in shops -- 1909. Feb 4. 12. 19. 26. Mar 5. 12. 19. 23. April 2  
 During erection on board vessel --- See Mandy report  
 Total No. of visits 9 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 materials & workmanship are of good description and the hydraulic test proved satisfactory

DRAWING No 480.

Boiler forwarded to South Shields 5/4/09.

Request form No C 77 attached.

This boiler has now been fitted in the above vessel.  
W. Paul.

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

James Hollison  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASGOW 6 APR. 1909 TUES. 15 JUN 1909

Committee's Minute Assigned Transmit to London



Certificate (if required) to be sent to (The Surveyors are requested not to write on or below the space for Committee's Minute.)