

# REPORT ON BOILERS.

No. 38081

Received at London Office WED. 28. AUG. 1918  
 Date of writing Report 24th Aug 1918 When handed in at Local Office 19 Port of Glasgow  
 No. in Survey held at Annan & Birtou in Turners Date, First Survey 21/8/18. Last Survey 23rd August 1918  
 Reg. Book. on the Donkey Boiler for Ferro Concrete Seagoing Barge "Creteguard" Tons } Gross ✓  
 } Net ✓  
 Number of Visits 10  
 Built at \_\_\_\_\_ By whom built \_\_\_\_\_ When built \_\_\_\_\_  
 Boilers made at Annan By whom made Cochran & Co Annan Ltd When made 1918  
 Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_

**VERTICAL DONKEY BOILER**— No. 7879 Description Cochran Manufacturers of steel Glasgow J. & L. Co  
 Made at Annan By whom made Cochran & Co When made 1918 Where fixed \_\_\_\_\_ Working pressure 150  
 Fed by hydraulic pressure to 300 Date of test 23-8-18 No. of Certificate 4425 Fire grate area 138 Description of safety valves Spring loaded  
 No. of safety valves Two Area of each 3.14 sq ft Pressure to which they are adjusted 153 lbs If fitted with easing gear Yes. If steam from main boilers can  
 be used for the donkey boiler \_\_\_\_\_ Dia. of donkey boiler 5'-0" Length 11'3" Material of shell plates steel Thickness 9/16 + 5/8" Range of tensile  
 strength 28/32 Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 3/32" Whether punched or drilled drilled Pitch of rivets 2.75"  
 Thickness of plating 4 1/2" Per centage of strength of joint Rivets 71.0 Working pressure of shell by rules 160 Thickness of shell crown plates 1/2" + 5/16"  
 Plates 67.0 Diameter of do. 30" No. of Stays to do. nil Dia. of stays \_\_\_\_\_ Diameter of furnace Top Radius Bottom 51" Length of furnace 35"  
 Thickness of furnace plates 9/16 + 5/16" Description of joint \_\_\_\_\_ Working pressure of furnace by rules 155 Thickness of furnace crown  
 plates 9/16 Radius of do. 25 1/2" Stayed by Hemispherical Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 9/16  
 Thickness of water tubes plates  
 Front 29/32"  
 Back 23/32"  
 The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED  
 H.C. Woodham Manufacturer.

Dates During progress of work in shops - 1918 June 21, 26, 28. July 5, 26. Aug 7, 9, 16, 23.  
 Survey while building During erection on board vessel - April 1919, 1, 2, 3, 11, 15, 16, 29, May 1, 6, 8, 15, 26.  
 Total No. of visits 10 at 12 at Birtou Is the approved plan of boiler forwarded herewith no  
 Drawing no 11661 sent with Glasgow Report no 37771

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) The material + workmanship is good.  
 The boiler has been built under special survey.

Survey request form

No. 1533 attached to Eds Rpt no 341/1/1.

The boiler described above has been efficiently fitted on board this vessel, and its safety valves have been adjusted under steam to 153 lbs per sq inch.

John Houston

Survey Fee £ 6 : 6 : } When applied for, 27/8/18  
 Travelling Expenses (if any) £ 3 : 3 : } When received, 16/11/18

Committee's Minute GLASGOW 27 AUG 1918  
 Assigned TRANSMIT TO LONDON

H. Capman  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

FRI JUN 6 1919  
 FRI JUN 43 1919  
 TUE 17 JUN 1919  
 FRI 20 JUN 1919  
 Lloyd's Register Foundation