

## REPORT ON BOILERS.

No. 39478.

Date of writing Report 22 Dec 1919 When handed in at Local Office 22-12-1919 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 3/10/19 Last Survey 19/12/1919  
 Reg. Book. on the Donkey Boiler No 8255. J. S. Guebriller (Number of Visits 10) Gross 2572 Tons Net 1423  
 Master Built at Chepstow By whom built National Shipyard No 366 When built  
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1919  
 Owners Port belonging to

VERTICAL DONKEY BOILER No. 8255 Description Cochran Manufacturers of steel Glasgow Iron & Steel Co.  
 Made at Annan By whom made Cochran & Co When made 1919 Where fixed in 5th hold Working pressure 100  
 tested by hydraulic pressure to 20.0 Date of test 19-12-19 No. of Certificate 15138 Fire grate area 31.5 ft Description of safety valves spring loaded  
 No. of safety valves 2 Area of each 3" Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 7'-6" Length 16'-3" Material of shell plates Steel Thickness 9/16" 21/32 Range of tensile strength 28/32 Descrip. of riveting long. seams Lap & R Dia. of rivet holes 29/32 Whether punched or drilled Drilled Pitch of rivets 2-625in 2-82 2-875  
 Lap of plating 4 1/2 Per centage of strength of joint Rivets 69 Plates 65 Working pressure of shell by rules 103 Thickness of shell crown plates 29/32 1/2  
 Radius of do. 45" No. of Stays to do. 4 true Dia. of stays Diameter of furnace Top Radius Bottom 6'-6" Length of furnace 50 1/4 in  
 Thickness of furnace plates 9/16 21/32 Description of joint Riweted Ring Working pressure of furnace by rules 100 Thickness of furnace crown plates 9/16 Radius of do. 39 in Stayed by Hemisphere Diameter of uptake 18 1/4 x 28 1/2 Thickness of uptake plates 9/16  
 Thickness of tubes plates 7 15/16 13 25/32  
 The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
 G. W. Valley

Dates of Survey { During progress of work in shops - 1919 Oct 3-10-17-24-31 Nov 7-14-28 Dec 5-19  
 while building { During erection on board vessel - -  
 Total No. of visits 10

Drawing No 1165

Is the approved plan of boiler forwarded herewith Yes

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

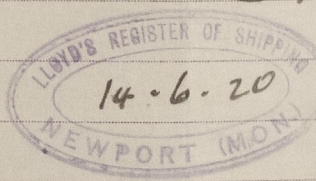
This boiler has been built under special survey.  
 The workmanship & materials are of good quality.

This donkey boiler has been fitted in J. S. Guebriller's War Grapes  
 Examined under steam & safety valves operating

Survey request form

No. C1662 attached

John B. Calderwood



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

Peter W. Geger

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

TUE. FEB 8 1921

FRI. JUN. 18 1920

FRI. OCT. 15 1920

TUE. JAN. 18 1921

Committee's Minute GLASGOW 23 DEC. 1919

Assigned TRANSMIT TO LONDON

007021-007032-0270

Lloyd's Register Foundation