

## REPORT ON BOILERS.

Sld. No. 28184.

Sls. No. 40258  
WED AUG. 11 1920

Date of writing Report 9<sup>th</sup> Aug 20 When handed in at Local Office 9.8.20 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 23<sup>rd</sup> April Last Survey 6<sup>th</sup> Aug 1920  
 Reg. Book 6029 on the Donkey Boiler No. 8443 S/S ZELO (Number of Visits 13) Gross 2300 Tons Net 1310  
 Master Pellin SS B.L. (R. S. Gardiner & J. Reay) Built at Sunderland By whom built S. P. Austin & Sons Ltd (S. P. Austin & Sons) When built 1921  
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1920  
 Port belonging to Newcastle

VERTICAL DONKEY BOILER—No. 8443 Description Cochran Manufacturers of steel Robt. & Sons  
 Made at Annan By whom made Cochran & Co When made 1920 Where fixed stokehold Working pressure 100  
 Tested by hydraulic pressure to 200 Date of test 6/8/20 No. of Certificate 16409 Fire grate area 265 Description of safety valves direct spring  
 No. of safety valves two Area of each 7.07 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'-0" Length 15'-0" Material of shell plates Steel Thickness 17/32 Range of tensile  
 strength 28/32 Descrip. of riveting long. seams Lap OK Dia. of rivet holes 29/32 Whether punched or drilled drilled Pitch of rivets 2 1/2"  
 Lap of plating 4 1/2" Per centage of strength of joint 70.6 Working pressure of shell by rules 106 Thickness of shell crown plates 7/8  
 Radius of do. 4 1/2 No. of Stays to do. none Dia. of stays ✓ Diameter of furnace Top Radius Bottom 7 1/2 Length of furnace 47 1/4  
 Thickness of furnace plates 17/32 Description of joint Riveted Long Working pressure of furnace by rules 190 Thickness of furnace crown  
 plates 17/32 Radius of do. 36 Stayed by Hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 9/16  
 Thickness of water tube plates 7 17/8  
B. 3/4

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

Dates of Survey  
 During progress of work in shops - 1920 Apr 23. 30 May 7. 14. 21. 28 June 4. 11. 18. 25 July 9. 30 Aug 6  
 During erection on board vessel - -  
 Total No. of visits 13

Drawing No. 9696.

Is the approved plan of boiler forwarded herewith

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

The boiler has been built under special survey.

The workmanship and materials are good.

The boiler is to the order of S. P. Austin &amp; Sons Ltd. Sunderland and is intended for vessel No. 298.

SUNDERLAND. The boiler has been satisfactorily fixed in the stokehold of the vessel and its safety valves adjusted under steam.  
 The donkey boiler is fitted for burning oil fuel (F.P. 150° Fah.).

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

Robert Chgoor & Co. Dairs.  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
 FRI. 4 NOV. 1921

Committee's Minute GLASGOW 10 AUG 1920

Assigned TRANSMIT TO LONDON

003964-003970-0102

Lloyd's Register  
Foundation