

# REPORT ON BOILERS.

Bel. N<sup>o</sup> 8545  
 Gls No. 40738

Received at London Office  
 Date of writing Report 27<sup>th</sup> Dec 1920 When handed in at Local Office 27.12.1920 Port of Glasgow  
 No. in Reg. Book. Survey held at Annan Date, First Survey 5.12.1919 Last Survey 22<sup>nd</sup> Dec 1920  
 on the Soukay Boiler No 8182 Somerstonshire (Number of Visits 15) Tons { Gross Net  
 Master Built at Glasgow By whom built Harland & Wolff No 579 When built 1920  
 Boilers made at By whom made When made  
 Owners Bobby Line Port belonging to Liverpool

VERTICAL DONKEY BOILER— No. 8182 Description Cochran Manufacturers of steel Stewarts & Lloyds  
 Made at Annan By whom made Cochran & Co When made 1920 Where fixed Engine Room Working pressure 100  
 Tested by hydraulic pressure to 200 Date of test 22/12/20. No. of Certificate 13412 Fire grate area 14 ft Description of safety valves 2 - Direct Spring  
 No. of safety valves 2 Area of each 1 1/4 sq ft Pressure to which they are adjusted 105 lb If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler Yes Dia. of donkey boiler 5'-3" Length 13'-3" Material of shell plates Steel Thickness 7/16" Range of tensile strength 28/32 Descrip. of riveting long. seams Lap. O.S.P. Dia. of rivet holes 5/32 Whether punched or drilled drilled Pitch of rivets 2 1/8" Lap of plating 3 3/8 Per centage of strength of joint Rivets 67.7 Plates 69.3 Working pressure of shell by rules 110 Thickness of shell crown plates 2 1/32 Radius of do. 31 1/2" No. of Stays to do. 4 Dia. of stays 1 1/2" Diameter of furnace Top Radius Bottom 54" Length of furnace 36 1/2" Thickness of furnace plates 1/2" Description of joint Riveted Ring Working pressure of furnace by rules 100 Thickness of furnace crown plates 1/2 Radius of do. 27 inches Stayed by Hemisphere Diameter of uptake 13" x 19 1/2 Thickness of uptake plates 1/2 Thickness of water tube plates 7/16 B. 9/16  
 The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
 G. Walley

Dates { During progress of work in shops - 1919 Dec 5. 1920. Jan 16. 22. 30. Feb 6. Mar 12. May 28. Aug 13. Oct 8. 15. Nov 25.  
 of Survey { During erection on board vessel - Dec 3. 10. 17. 22.  
 while building { See Report 4108c  
 Total No. of visits 11919  
 Is the approved plan of boiler forwarded herewith Yes.

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

The boiler has been built under special survey.

The workmanship and materials are good

This boiler has been securely fitted on board, and its safety valves adjusted under steam to above pressure

R. J. Bealings

Survey request form

No. 1681 attached.

Survey Fee ... £ 2 : 2 : } When applied for, Monthly  
 Travelling Expenses (if any) £ : : } When received, 10

Robert M. Gregor

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

Committee's Minute Glasgow 28 DEC 1920

Assigned TRANSMIT TO LONDON

TUE. 28 JUN. 1921

Lloyd's Register Foundation

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