

MON 30 JAN. 1922

pt. 5b.

REPORT ON BOILERS.

No. 41108.

Received at London Office WED. 18 MAY. 1921

Date of writing Report 16th May 1921 When handed in at Local Office 16th May 1921 Port of Glasgow.
 No. in Survey held at Annan. Date, First Survey 25th Feb Last Survey 13th May 1921
 Reg. Book. H. 29294 on the Donkey Boiler No 8736, for T.S.S. "Shieve Donald" (Number of Visits 10) Gross 1115.94
 Master London & North Western Railway Co. Ltd. Built at Barrow. By whom built Vickers Ltd No 591 When built 1921
 Boilers made at Annan By whom made Cochran Co. Annan Ltd When made 1921
 Owners London & North Western Railway Co. Ltd. Port belonging to Dublin.

VERTICAL DONKEY BOILER— No. 8736 Description Cochran Manufacturers of steel Jacob Colville & Sons
 Made at Annan By whom made Cochran Co When made 1921 Where fixed Stockhold Tensile Working pressure 100
 Tested by hydraulic pressure to 200 Date of test 13/5/21 No. of Certificate 15823 Fire grate area 18.74 Description of safety valves Spring loaded
 No. of safety valves Two Area of each 4.911 Pressure to which they are adjusted 100 lbs If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Dia. of donkey boiler 6'-0" Length 11'-9" Material of shell plates Steel Thickness 7/16 & 7/32 Range of tensile
 strength 28/32 Descrip. of riveting long. seams Exp. D. R. Dia. of rivet holes 25/32 Whether punched or drilled drilled Pitch of rivets 2 2/3
 Gap of plating 3/16 Per centage of strength of joint Rivets 67.7 Working pressure of shell by rules 109 Thickness of shell crown plates 13/16 & 1/32
 Radius of do. 36 ins No. of Stays to do. None Dia. of stays ✓ Diameter of furnace Top Radius Bottom 60 ins Length of furnace 44 9/16 ins
 Thickness of furnace plates 7/16 & 1/2 Description of joint Revelking Working pressure of furnace by rules 101 Thickness of furnace crown
 plates 1/2 Radius of do. 30 inches Stayed by Half sphere Diameter of uptake 13" x 19" Thickness of uptake plates 9/16
 Thickness of water tube plates F. 25/32
B. 2 1/32

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

Dates of Survey while building
 During progress of work in shops - 1921 Feb 25 Mar 4 11. 18-23 Apr 1. 15. 22. 29 May 13.
 During erection on board vessel -
 Total No. of visits 10. Drawing No 12558.
 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 & materials are good

This boiler has been efficiently fitted on board & its safety valves have been adjusted under steam, the thicknesses of the adjusting washers being, Star - 23/32" Port 9/16". Accumulation tests were carried out with satisfactory results.
 John Houston
 Barrow-in-Furness. 26/1/22.

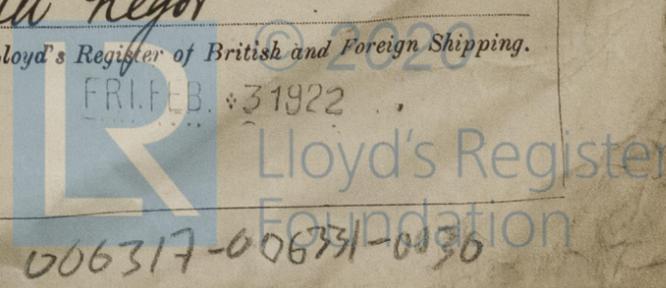
Survey Fee £ 4 : 4 : When applied for,
 Travelling Expenses (if any) £ : : When received,

MONTHLY ACCOUNT

John Houston

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

Committee's Minute GLASGOW, 17 MAY 1921
 Assigned TRANSMIT TO LONDON



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