

# REPORT ON BOILERS.

No. 42285  
WED NOV. 11 1922

Date of writing Report 28<sup>th</sup> Oct. 1922 When handed in at Local Office 31. 10. 1922 Port of Glasgow  
No. in Reg. Book. Survey held at Annan Date, First Survey 30. 9. 21 Last Survey 25. 10. 1922  
on the M/S "ARABY" (Number of Visits) Gross 4936  
Master Built at Dumbarton By whom built A Macmillan & Son Ltd. Tons Net 2944  
Boilers made at Annan By whom made Cochran & Co. Annan Ltd. When built 1923  
Owners David MacIver & Co. Ltd. Port belonging to Liverpool.

VERTICAL DONKEY BOILER— No. 8762 Description Cochran's Manufacturers of steel J. Colville & Sons  
Made at Annan By whom made Cochran & Co. When made 1922 Where fixed MOTOR ROOM Working pressure 100 lbs  
tested by hydraulic pressure to 207 lbs Date of test 15. 10. 22 No. of Certificate 16133 Fire grate area 14. 0 Description of safety valves Spring Loaded  
No. of safety valves 2 Area of each 32 sq in Pressure to which they are adjusted 103 lbs/sq in 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 1/2" Range of tensile  
strength 20/32 Descrip. of riveting long. seams DR. Lap Dia. of rivet holes 25/32 Whether punched or drilled drilled Pitch of rivets 2.56  
Cap of plating 37/8 Per centage of strength of joint Rivets 72.45 Working pressure of shell by rules 117 Thickness of shell crown plates 3/8 x 43/64  
Radius of do. 2'-7 1/2 No. of Stays to do. None Dia. of stays Diameter of furnace Top Hemisphere Bottom 52" Length of furnace 3'-2 3/8  
Thickness of furnace plates 1/2 x 43/64 Description of joint Charles & Ogee Working pressure of furnace by rules 103 lbs Thickness of furnace crown  
plates 1/2 Radius of do. 27" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2 Thickness of uptake plates 1/2  
Thickness of water tube plates 5/16

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

Dates During progress of work in shops— 1921 Sep 30 Oct 7, 14, 21, 28 Nov 11, 30 Dec 9 1922 Jan 27 Feb 3 Mar 3, 27 28 Apr 7, 18 May 18, 26 Jun 23 July 13 Sep 1, 22, 26 Oct 2, 25  
of Survey while building During erection on board vessel —  
Total No. of visits 24

Drawing No 12687.

Is the approved plan of boiler forwarded herewith Yes.

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

Materials and Workmanship good.  
This boiler has been built under special survey in accordance with the rules and approved plan.  
This boiler is a duplicate of the Boilers Nos 8755 & 8756, Glasgow Reports Nos 71299 & 71300 respectively, Drawing No 12709, Approved 10.3.21

This boiler has now been fitted on board the M/S "ARABY" in a satisfactory manner, it has been examined under steam & safety valves adjusted to 103 lb/sq.

RETAIN

Survey Fee ... £ 4 : 4 : } When applied for, 19  
Travelling Expenses (if any) £ : : } When received, 19

MONTHLY ACCOUNT

H. H. Crinick. A. B. Corbett  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
Assigned

GLASGOW 31 OCT 1922  
TRANSMIT TO LONDON

GLASGOW 28 MAR 1923

See Gl. Rpt. No. 42568