

Inv. No. 40. 48237.

pt. 5b.

REPORT ON BOILERS.

No. 43676
WFO. 25 MAY. 1924

Date of writing Report 24th May 1924 When handed in at Local Office 24th May 1924 Port of Glasgow
No. in Survey held at Annan Date, First Survey 8. 2. 24 Last Survey 23. 5. 1924
Reg. Book. 90673 on the Cochran Boiler N° 9299 S. S. Silverland (Number of Visits 13) Gross 5122
Master Mount S. S. Colin Stanley & John Thompson Ltd Built at Wallsend By whom built Swan Hunter & Wigham Richardson Eng N° 1172 Tons Net 3085
Boiler made at Annan By whom made Cochran & Co., Annan Ltd. When built 1924
Owners Mount S. S. Colin Stanley & John Thompson Ltd Port belonging to London

VERTICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel D. Colville & Sons, Ltd.
Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1924 Where fixed Port side of 2nd Room Working pressure 120 lb/sq. in.
Tested by hydraulic pressure to 230 lb/sq. in. Date of test 23. 5. 24 No. of Certificate 16509 Fire grate area 41.5 Description of safety valves 2 Spring loaded
No. of safety valves 2 Area of each 4.07 Pressure to which they are adjusted 120 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 8'-6" Length 19'-6" Material of shell plates Steel Thickness 11/16" & 7/8" Range of tensile 25 & 30
Length of riveting long. seams DR. Lap Dia. of rivet holes 1/32" Whether punched or drilled drilled Pitch of rivets 3 1/2"
Type of plating 5" Per centage of strength of joint 63.8 Rivets 63.8 Working pressure of shell by rules 121 lb/sq. in. Thickness of shell crown plates 5/8" & 1/2"
Radius of do. 4'-3" No. of Stays to do. None Dia. of stays — Diameter of furnace Top Hemisphere Bottom 7'-5 1/2" Length of furnace 3'-6"
Thickness of furnace plates 3/4" Description of joint Double Vee Ring Working pressure of furnace by rules 140 lb/sq. in. Thickness of furnace crown plates 3/4" Radius of do. 1 1/8" Stayed by Hemisphere Diameter of uptake 18"-28 1/2" Thickness of uptake plates 5/8"
Thickness of water tube plates 1 1/2" Radius of do. 3'-9" Stayed by Hemisphere Diameter of uptake 18"-28 1/2" Thickness of uptake plates 5/8"

The foregoing is a correct description,
FOR COCHRAN & CO., ANNAN, LIMITED Manufacturer.
Thomas Waller

Dates During progress of work in shops - 1924 Feb 8-15-22 Mar 7-14-21 Apr 4-11-17 May 2-7-15-23
Survey while building During erection on board vessel - - -
Total No. of visits 13 Drawing N° 13711
Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special Survey in accordance with the Rules and Approved plan; the materials and workmanship are good.
This boiler is a duplicate of Boiler N° 9297, Glasgow Report N° 42606, and is intended for Messrs Swan Hunter and Wigham Richardson Eng N° 1172.
Fitted in recess on the port side of Engine room for burning oil fuel F.P. about 150°
2-3" safety valves with easing gear & necessary mountings. Oil fuel installation satisfactory.
Safety valves adjusted under steam at 120. Rungs 3/16" A & 7/16" F.
In Ashore 15/8/24

Annual Survey Request

Survey Fee ... £ 4 : 4 : 0 When applied for, 10
Travelling Expenses (if any) £ : : When received, 10

MONTHLY ACCOUNT

Harry Clarke A. B. Forster
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Assigned
GLASGOW 27 MAY 1924
TRANSMIT TO LONDON

Lloyd's Register
Foundation
002568-002576-0069