

REPORT ON BOILERS.

12 AUG 1925

Std. No. 2911H
Pls. No. 44/33

Received at London Office

Date of writing Report May 29th 1925 When handed in at Local Office

19 Port of Glasgow

4th Aug. 1925

No. in Survey held at Annan, Scotland

Date, First Survey 12 March 1925 Last Survey 27th May 1925

(Number of Visits 8) Gross 1261

Reg. Book. on the Cochran Boiler No 9642 for S. P. Austin & Sons, Sunderland for Ship No 309.

Tons Net 675

Master Built at Sunderland By whom built S. P. Austin & Sons, Ltd.

When built 1925

Boilers made at Annan, Scotland By whom made Messrs Cochran & Co Annan Ltd

When made 1925

Owners Gas Light & Coke Co.

Port belonging to London

VERTICAL DONKEY BOILER

No. One Description Cochran type Manufacturers of steel D. Colville & Sons Ltd

Made at Annan By whom made Cochran & Co Annan Ltd When made 1925 Where fixed In Stockholm Working pressure 100 lbs

tested by hydraulic pressure to 200 lbs Date of test 27/5/25 No. of Certificate 6824 Fire grate area 6.75 sq ft Description of safety valves Two - Direct spring loaded

No. of safety valves 2 Area of each 3.4 sq ft Pressure to which they are adjusted 104 lb If fitted with easing gear 1/2 If steam from main boilers can

enter the donkey boiler No Dia. of donkey boiler 5'-6" Length 12'-3" Material of shell plates steel Thickness 7/16, 1/2, 7/16 Range of tensile

strength 23,325 Descrip. of riveting long. seams D.R. lap Dia. of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2.697"

Lap of plating 3 7/8" Per centage of strength of joint Rivets 66.6% Plates 68.6% Working pressure of shell by rules 114 lbs Thickness of shell crown plates 1 1/16, 13/32

Radius of do. 2'-9" No. of Stays to do. none Dia. of stays Diameter of furnace Top Hemisphere Bottom 4'-9" Length of furnace 2'-6 5/8"

Thickness of furnace plates 1/2" Description of joint Seamless Ogee Working pressure of furnace by rules 144 lbs Thickness of furnace crown

plates 1/2" Radius of do. 2'-4 1/2" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2"

Thickness of water tubes plates Front 23/32 Back 19/32

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
Thomas Wadley

Dates During progress of work in shops - 1925 Mar 12 26 Apr 2 8 May 1 8 20 24
of Survey During erection on board vessel -
while building Total No. of visits 8

Copy of 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. The boiler was tested by hydraulic pressure

to 200 lbs per sq. in. in my presence with satisfactory results.

The boiler is to the order of Messrs S. P. Austin & Sons, Sunderland for

Ship No 309

This boiler has now been fitted and fixed on board in a satisfactory manner. Safety valves have been adjusted under steam as above.

L. Anderson

4/8/25

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

Committee's Minute GLASGOW 2 - JUN 1925
Assigned TRANSMIT TO LONDON

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

FRI. 14 AUG 1925

Lloyd's Register
FOW 371-0110