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REPORT ON BOILERS.

No. 45401

17 FEB 1926

Received at London Office

Date of writing Report 15 Feb 1926 When handed in at Local Office 15.2.1926 Port of Glasgow

No. in Reg. Book. Survey held at Annan, Scotland Date, First Survey 23rd Decr 1925 Last Survey 12 Feb 1926
on the Cochran Boiler No 9478 for Messrs Brown, MacFarlane & Co Ltd for export to Japan. (Number of Visits 6) Tons Gross Net

Master Built at By whom built When built
Boilers made at Annan, Scotland By whom made Messrs Cochran & Co. Annan Ltd. When made 1926
Owners Port belonging to

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 1926 Where fixed Working pressure 125 lbs
Tested by hydraulic pressure to 238 lbs Date of test 12/2/26 No. of Certificate 1045 Fire grate area 12.5 sq Description of safety valves
No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can enter the donkey boiler
Dia. of donkey boiler 5'-0" Length 13'-0" Material of shell plates Steel Thickness 1/6" 2 1/2" 1/6" Range of tensile 2.425 2.608 2.614
Length 28' 3/32" Descrip. of riveting long. seams D.R.L.A.P. Dia. of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2 1/2" 2 1/2" 2 1/2"
Gap of plating 3 1/8" Per centage of strength of joint Rivets 68.8% Plates 67.48% Working pressure of shell by rules 131 lbs Thickness of shell crown plates 13/32" 23/32"
Radius of do. 2'-6" No. of Stays to do. None Dia. of stays Diameter of furnace Top Hemisphere Bottom 4'-3" Length of furnace 2'-11 1/2"
Thickness of furnace plates 1/2" Description of joint Seamless & Ogee Ring Working pressure of furnace by rules 161.8 lbs Thickness of furnace crown 23/32" 125.4 lbs
" " Ogee Ring 125.4 lbs
Radius of do. 2'-1 1/2" Stayed by Hemisphere Diameter of uptake 13" x 1 1/2" Thickness of uptake plates 1/2"
Thickness of water tube plates FRONT. 25/32" BACK. 21/32"
The foregoing is a correct description, Wm. J. Woodman
FOR COCHRAN & CO., ANNAN, LIMITED Manufacturer.

During progress of work in shops - 1925 Dec 23 (1926) Jan 6/15-22-29 Drawing No 14898.
During erection on board vessel - Feb 12
Total No. of visits 6
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 survey in accordance with the Rules and approved plan. Materials and workmanship good.

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

Committee's Minute GLASGOW 16 FEB 1926
Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
J. F. Nicholas
7 JAN 1927

Lloyd's Register Foundation
009341-009349-0187