

REPORT ON BOILERS.

No. 46182

Date of writing Report 13 Dec 1926 When handed in at Local Office 13.12.26 Port of Glasgow Received at London Office 15 DEC 1926

No. in Survey held at Annan, Scotland Date, First Survey ✓ Last Survey 4th December 1926

Reg. Book. 2511 on the Cochran Boiler No 10054 for Messrs Smith, Hogg & Co. West Hartlepool for S.S. ALBURN (Number of Visits ✓) Tons { Gross ✓ Net ✓

Master ✓ Built at Middlesbrough By whom built H. Harkness & Son Ltd When built 1904-8

Boilers made at Annan, Scotland By whom made Messrs Cochran & Co. Annan Ltd Annan When made 1926

Owners Smith Hogg & Co Ltd Port belonging to West Hartlepool

VERTICAL DONKEY BOILER No. One Description Cochran Type Manufacturers of steel D. Colvilles Sons Ltd

Made at Annan By whom made Cochran & Co. Annan Ltd When made 1926 Where fixed Stokeholm Working pressure 100 lb

Tested by hydraulic pressure to 200 lb Date of test 7/12/26 No. of Certificate 17248 Fire grate area 18.7 sq ft Description of safety valves Direct spring

No. of safety valves 2 Area of each 3.14 sq ft Pressure to which they are adjusted 100 lb If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no

Dia. of donkey boiler 6'-0" Length 10'-9" Material of shell plates Steel Thickness 1 1/4" 1 1/2" 1 1/2" Range of tensile 2.575" 2.625" 2.634"

Length of riveting long. seams D.R. lap Dia. of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2.625"

Up of plating 3 1/8" Per centage of strength of joint Rivets 68.5% Plates 69.4% Working pressure of shell by rules 110 lb Thickness of shell crown plates 9/16"

Radius of do. 5'-0" No. of Stays to do. none Dia. of stays ✓ Diameter of furnace Top Sphericon Bottom 5'-0" Length of furnace 3'-5 3/8"

Thickness of furnace plates 1 1/2" Description of joint Seamless Working pressure of furnace by rules 137.5 lb Thickness of furnace crown plates 1 1/2" Radius of do. 2'-6" Stayed by Sphericon Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 9/16"

Thickness of water tube plates { Front 13 1/16" Back 12 1/16"

The foregoing is a correct description, W. H. Harkness Manufacturer.

Dates of Survey while building { During progress of work in shops - - } During erection on board vessel - - } Surveyor on regular attendance

Total No. of visits minimum 4 visits 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.

This Donkey Boiler has now been securely fitted on board all pipe connections made, and safety valves adjusted under steam to 100 lbs per sq. in. Thickness of rings 1 1/8" & 1 1/2".

Survey Fee ... £ 4 : 4 : When applied for, 19

Travelling Expenses (if any) £ : : When received, 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 14 DEC 1926

Assigned TRANSMIT TO LONDON

J. Nicholas & C. H. Murdoch
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

1068. 8 FEB 1927



Lloyd's Register Foundation

W84-0148