

REPORT ON BOILERS.

No. 43068

Received at London Office WFO. 10 OCT. 1923

Date of writing Report 5th Oct. 1923 When handed in at Local Office 6th Oct. 1923 Port of Glasgow

No. in Survey held at Annan Date, First Survey 29.6.23 Last Survey 5.10.1923

Reg. Book. on the Cochrans Boiler N° 9258 M/S "ASUKA MARU" (Number of Visits 10) Tons { Gross Net

Master Built at Glasgow By whom built Harland & Wolff Ltd (658M) When built

Boilers made at Annan By whom made Cochrans & Co., Annan, Ad. When made 1923

Owners Port belonging to

VERTICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel D. Colville & Sons, Ltd.

Made at Annan By whom made Cochrans & Co., Annan, Ad. When made 1923 Where fixed in Engine Room Working pressure 100 lbs

tested by hydraulic pressure to 200 lbs Date of test 5.10.23 No. of Certificate 16350 Fire grate area Oil fired description of safety valves Spring loaded

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

Dia. of donkey boiler 4'-9" Length 12'-0" Material of shell plates Steel Thickness 7/16" & 3/8" Range of tensile strength 28/32 Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 23/32 Whether punched or drilled drilled Pitch of rivets 2.38"

Lap of plating 3 3/4" Per centage of strength of joint 74.3 Rivets 74.3 Working pressure of shell by rules 118 lbs. Thickness of shell crown plates 9/16"

Radius of do. 4'-9" No. of Stays to do. None Dia. of stays — Diameter of furnace Top Hemisphere Bottom 4'-0" Length of furnace 2'-2 3/8"

Thickness of furnace plates 1/2" Description of joint Open Ring Working pressure of furnace by rules 172 lbs. Thickness of furnace crown plates 1/2"

Radius of do. 2'-0" Stayed by Hemisphere Diameter of uptake 11" x 16 3/4" Thickness of uptake plates 1/2"

Thickness of water tube plates 5/8"

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

Dates of Survey while building { During progress of work in shops - 1923 Jun 29, July 27, Aug 3, 10, 24, Sep 7, 13, 21, 28, Oct 5

{ During erection on board vessel - - - - -

Total No. of visits 10

Drawing N° 13483

Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under Special Survey in accordance with the Rules and Approved Plan; the materials and workmanship are good.

The boiler is to be fitted on board the vessel at Glasgow.

This boiler has now been fitted on board the above vessel in an efficient manner examined under steam & everything found satisfactory safety valves adjusted to 100 lb/s

Washers P 9/32 S 5/16.

Annual Survey Request

Survey Fee £ 4 : 4 : } When applied for, Monthly

Travelling Expenses (if any) £ : : } When received, Account

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

Committee's Minute GLASGOW 9-OCT 1923

Assigned TRANSMIT TO LONDON

See Co. R.H. No. 44145 Lloyd's Register Foundation