

air Reservoirs REPORT ON BOILERS.

No. 34858

Received at London Office

WED. FEB. 24. 1915

Date of writing Report 10-2-1915 When handed in at Local Office 17-2-1915 Port of Glasgow

No. in Survey held at
Reg. Book.

Glasgow

Date, First Survey 19/1/15

Last Survey 9-2-1915

on the

J. S. Ruster Vessel "Green Line"

AIR RESERVOIRS

(New Harland & Wolff L. 465) Tons

Gross

Net

Master

Built at Glasgow

By whom built

Harland & Wolff Ltd

When built 1917

Engines made at

Glasgow

By whom made

Harland & Wolff Ltd

When made 1917

Boilers made at

Glasgow

By whom made

Lindsay Burnet & Co (L. 5451)

When made 1915

Registered Horse Power

Owners

Green Line Limited

Port belonging to Glasgow

Manoeuvring air Reservoirs

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Shell & 7 Scotland

Letter for record

Total Heating Surface of Boilers

Is forced draft fitted

No. and Description of

Boilers Reservoir, Two Cylindrical Working Pressure 294 Tested by hydraulic pressure to 588 Date of test 9-2-15

No. of Certificate 13017

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

safety valves to each boiler Reservoir 2 spring loaded Area of each valve 7.07 sq Pressure to which they are adjusted 295 lb

Are they fitted with easing gear No In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 5-6 Length 17-9

Material of shell plates S Thickness 13/16 Range of tensile strength 28-32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams double lap long. seams double butt Diameter of rivet holes in long. seams 7/8 Pitch of rivets 6 1/4

lap of plates or width of butt straps 13 1/2 13 1/8 Per centages of strength of longitudinal joint rivets 87.8 Working pressure of shell by

rules 315 Size of manhole in shell 16 x 12 Size of compensating ring flanged plate 86 No. and Description of Furnaces in each

Boiler Material Outside diameter Length of plain part top Thickness of plates crown bottom

Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber

plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back

Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Diameter at

smallest part Area supported by each stay Working pressure by rules End plates in steam space: Material S Thickness 12 1/8

Pitch of stays 3-9 1/2 How are stays secured no stay Working pressure by rules 297 Material of stays Diameter at smallest part

Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of

lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide

water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of

rider at centre Length as per rule Distance apart Number and pitch of Stays in each

Working pressure by rules Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

Lindsay Burnet & Co Manufacturer.

Dates of Survey
During progress of work in shops - 1915 Jan. 19. 22. 28. Feb. 3. 9
while building - During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith

Total No. of visits 5

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The Material & workmanship is good.

The boiler has been built under special survey.

(To be filled at Glasgow)

These Reservoirs have now been fitted on board.
Garthside 18/9/17

Survey Fee £ 2 : 2 : }

When applied for, 19/1/15

Travelling Expenses (if any) £ : : }

When received, 30/4/15 at Gls.

John H Heck.

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

Committee's Minute

GLASGOW

23 FEB. 1915

Assigned TRANSMIT TO LONDON

See Gls. Rpt

No. 37133

GLASGOW

25 FEB. 1915

Lloyd's Register
Foundation