

REPORT ON BOILERS.

air Reservoirs

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 Glasgow Date, First Survey 19/1/15 Last Survey 9-2-1915

Reg. Book. AIR RESERVOIRS (New Harland & Wolff L^{td} 465) Tons } Gross

on the J. S. Hunter Vessel "Green Line" Built at Glasgow By whom built Harland & Wolff L^{td} When built 1917

Engines made at Glasgow By whom made Harland & Wolff L^{td} When made 1917

Boilers made at Glasgow By whom made Lindsay Burnet & Co (No. 5451) When made 1915

Registered Horse Power Owners Green Line Limited Port belonging to Glasgow

Mansouring air Reservoirs MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY. - Manufacturers of Steel Steel Co of 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 5/8 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

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 1 1/8

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 girder 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

Is the approved plan of boiler forwarded herewith Forwarded with Glo. Reg. 34572 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 fitted at Glasgow) These Reservoirs have now been fitted on board, 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

