

REPORT ON BOILERS.

No. 38198.

WED. 27 NOV. 1918

Received at London Office

Date of writing Report 28 Sep 1918 When handed in at Local Office 101 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 18th June 1914 Last Survey 19th Sept 1918
 on the Marine Boiler designated N° 1646. for S.S. "ST ENOCH" (Number of Visits 26) Tons 26
 Built at Bowling By whom built Scott & Sons N° 265 Kavel When built 1918
 Engines made at Paisley By whom made Fisher & Co N° 219 When made 1918
 Boilers made at Glasgow By whom made Lindsay Burnet & Co. When made 1918
 Registered Horse Power 66 Owners J. A. Gardner & Co. Ltd. Port belonging to Glasgow

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Glasgow Iron & Steel Co.

Letter for record S Total Heating Surface of Boilers 1360 Sq. Ft. Is forced draft fitted No No. and Description of

Boilers One Single ended. Working Pressure 130 Tested by hydraulic pressure to 260 Date of test 19/9/18

No. of Certificate 14465 Can each boiler be worked separately One Area of fire grate in each boiler 143.24 Sq. Ft. No. and Description of

safety valves to each boiler Pair Spring loaded Area of each valve 3.9390 Pressure to which they are adjusted 135 lbs.

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler None

Smallest distance between boilers or uptakes and bunkers or woodwork 4'-6" Int. dia. of boilers 12'-6" Length 10'-0"

Material of shell plates Steel Thickness 3/16 Range of tensile strength 28/32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams Leap & R. long. seams Butts Staggered Diameter of rivet holes in long. seams 1" Pitch of rivets 5 1/4"

rip of plates width of butt straps 10 1/2" Per centages of strength of longitudinal joint 81 Working pressure of shell by

rules 130 Size of manhole in shell 16 1/2 x 12 1/2 Size of compensating ring 2'-3" x 2'-7" x 3/16 No. and Description of Furnaces in each

boiler Two plain Material Steel Outside diameter 3'-8 1/2" Length of plain part 2'-3" Thickness of plates 3/16

Description of longitudinal joint held No. of strengthening rings one Working pressure of furnace by the rules 139 Combustion chamber

plates: Material Steel Thickness: Sides 3/16 Back 3/16 Top 3/16 Bottom 3/16 Pitch of stays to ditto: Sides 9 x 8 1/4 Back 9 1/2 x 8 1/2

Top Inders If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 135 Material of stays Steel Diameter at

smallest part 1 1/2 Sq. In. Area supported by each stay 81 Sq. In. Working pressure by rules 143 End plates in steam space: Material Steel Thickness 15/16

Pitch of stays 17 x 17 How are stays secured Double Nuts Working pressure by rules 131 Material of stays Steel Area at smallest part 3.85 Sq. In.

Area supported by each stay 289 Sq. In. Working pressure by rules 138 Material of Front plates at bottom Steel Thickness 3/4 Material of

Lower back plate Steel Thickness 1/16 Greatest pitch of stays 14 x 8 1/8 Working pressure of plate by rules 240 Diameter of tubes 3 1/2

Pitch of tubes 4 1/2 Material of tube plates Steel Thickness: Front 3/4 Back 3/4 Mean pitch of stays 10 1/4 Pitch across wide

water spaces 1 1/4 Working pressures by rules with doubler 194 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 6 1/2 x 3 1/4 x 2 Length as per rule 2 1/4 Distance apart 9 Number and pitch of Stays in each Two at 8 1/4

Working pressure by rules 143 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

If 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

Survey request form

No. 2024 attached

The foregoing is a correct description,

Lindsay Burnet & Co Manufacturer.

Dates of Survey 19th June 18, July 24, Aug. 2, 21, 29, Sept. 6, 9, 26, Oct. 16, Nov. 5, 29 Is the approved plan of boiler forwarded herewith Yes
 while building Dec. 5, 1918, Jan. 30, Feb. 4, May 29, June 11, 15, 25, July 9 Total No. of visits 26
 During erection on board vessel Aug. 6, 14, 26, Sept. 3, 10, 16, 17

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boiler has been built under special survey. The workmanship & material is good. The boiler has now been securely fitted on board the vessel & its safety valves adjusted under steam

Survey Fee £ 4 : 11 : - When applied for, 2-10-1918
 Travelling Expenses (if any) £ : : - When received, 20-11-1918

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

Committee's Minute GLASGOW. 2-OCT 1918

Assigned TRANSMIT TO LONDON

Lloyd's Register
Foundation
No. 38324 002350-002354-0187