

THU. 12 FEB. 1920

REPORT ON BOILERS.

No. 39128
WED. 17 SEP. 1919

Date of writing Report 2/9 1919 When handed in at Local Office 13/9 1919 Port of Glasgow
 No. in Survey held at Renfrew Date, First Survey 10/4/1918 Last Survey 25/8/1919
 Reg. Book. on the Three Babcock & Wilcox boilers for P.S. New Brighton Gross 6538
 Master R. Jones Built at Belfast By whom built Harland & Wolff L^d Tons Net 4023
 Engines made at Belfast By whom made Babcock & Wilcox (409) When made 1919
 Boilers made at Renfrew By whom made Babcock & Wilcox (409) When made 1919
 Registered Horse Power 1 Owners Queen Steamship Coy L^d Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Colville & Sons

(Letter for record S) Total Heating Surface of Boilers 9636 sq ft Is forced draft fitted Yes No. and Description of Boilers Three Babcock & Wilcox Working Pressure 200 Tested by hydraulic pressure to Steam drum 260 lbs mud drum 400 lbs
 No. of Certificate 560 Can each boiler be worked separately Yes Area of fire grate in each boiler 85 3/4 sq ft No. and Description of safety valves to each boiler 2 - Direct Spring Area of each valve 9.62 sq in Pressure to which they are adjusted 205 lbs
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes
 Smallest distance between boilers or uptakes and bunkers or woodwork about 6 ft Int. Mean dia. of boilers 4'-0" Length 15'-1 1/4"
 Material of shell plates Steel Thickness 9/16" & 1 1/8" Range of tensile strength 28/32 Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams D.R. Lap long. seams T.R.S.B. Diameter of rivet holes in long. seams 29/32 Pitch of rivets 3-5 3/4"
 Lap of plates or width of butt straps 1/4" Per centages of strength of longitudinal joint 76.4 Working pressure of shell by rules 238 Size of manhole in shell 15" x 11" Size of compensating ring 28 3/4" x 22 1/4" x 1/8" No. and Description of Furnaces in each boiler — Material — Outside diameter — Length of plain part — 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 Steel Thickness 13/16"
 Pitch of stays — How are stays secured — Working pressure by rules 240 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 Steel Thickness 1 1/32" Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes 1 1/8" & 1 3/16"
 Pitch of tubes 2 3/8" & 2 5/8" Material of tube plates Steel Thickness: Front 1 1/16" 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 3/4" Material Steel 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

The foregoing is a correct description,

No. 2167 attached to Rpt. No. 38228.

Babcock & Wilcox Limited. Manufacturer.

Dates of Survey: During progress of work in shops — 1918: Apr 10, May 15, 22, 30, July 5, Aug 26, Sept 12, Oct 11
 while building: During erection on board vessel — 1919: Feb 24, Apr 9, 17, 25, May 26, Aug 13, 18
 Total No. of visits

Approved plan in London Office.

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

The boilers have been built under special survey in accordance with the approved plans & the Rules of the Society. The workmanship and materials are of good quality. The Sections, Steam and mud drums have been tested as above. The boilers have been erected in shop. They have now been despatched to Messrs Harland & Wolff Belfast & will be re-tested after erection on board the vessel.

Survey Fee ... £ 36 : 6 : 6 When applied for, 1919
 Travelling Expenses (if any) £ : : When received, 24/4/1919

Committee's Minute

Assigned

TRANSMIT TO LONDON

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

TUE. FEB. 17. 1920

FRI. JUL 16 1920

Lloyd's Register Foundation

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