

REPORT ON BOILERS.

No. 38343.

WED. 11 DEC. 1918

pt. 5a.

Received at London Office

Date of writing Report 2.12.1918 When handed in at Local Office 4.12.1918 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey April 10th 1918. Last Survey Sept. 12 1918.
 Reg. Book. on the 3 Babcock & Wilcox Boilers for the S.S. " " (Number of Visits 23)
 Tons } Gross
 Net }
 Master Built at Chepstow By whom built G. Huich & Co When built 1918.
 Engines made at 900 Unknown By whom made When made
 Boilers made at Reufrow By whom made Babcock & Wilcox L^{td} 401 When made 1918.
 Registered Horse Power Owners Port belonging to

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

Letter for record S Total Heating Surface of Boilers 9636 1/2 Is forced draft fitted Yes No. and Description of Boilers 3 Babcock Boilers: Main Working Pressure 200 Tested by hydraulic pressure to Date of test

No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler 85314 1/2 No. and Description of safety valves to each boiler Area of each valve Pressure to which they are adjusted

Are they fitted with easing gear 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 Internal Steam Drum 4'-0" Length 15'-1 1/4"

Material of shell plates S Thickness 9/16 - 1 1/8 Range of tensile strength 28/32 Are the shell plates welded or flanged
 Descrip. of riveting: cir. seams DR long. seams TR Single BS Diameter of rivet holes in long. seams 29/32 Pitch of rivets 3.53

Lap of plates or width of butt straps 4 1/4 Per centages of strength of longitudinal joint rivets 76.7 Working pressure of shell by rules 238 Size of manhole in shell 15 x 11 Size of compensating ring 2.48/4 - 1.10/4

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 S Thickness 13/16
 Pitch of stays How are stays secured Radius 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 S Thickness 17/32 Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 13.3 1/16

Pitch of tubes 23/4 + 25/8 Material of tube plates S Thickness: Front 1 1/8 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

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
 The foregoing is a correct description, Babcock & Wilcox Limited, Manufacturer.

Survey request form No. 2164 attached to Sh. 111. 2. 38228.

Dates of Survey During progress of 1918 April 10, 12, 15, May 6, 15, 22, 30, June 3, 5, 10, 12, 24. Is the approved plan of boiler forwarded herewith approved plan in London Office
 while building During erection on board vessel July 1, 3, 5, 9, Aug. 2, 9, 12, 13, 15, 26, Sept. 12. Total No. of visits 23

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 materials are good. The sections were tested to 400 lbs sq. inch, Drums to 400 lbs sq. inch & the mud drums to 400 lbs sq. inch. The Boilers have been dispatched, in section, to Beachley Junction, Chepstow, to the Naval Stores Officer & will be retested after erection of board the vessel.

Survey Fee ... £ 36: 10/4 When applied for, 18/11 1918
 Travelling Expenses (if any) £ : : When received, 10.3.1918

Committee's Minute Glasgow 10 DEC 1918
 Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 TUE. JAN. 18 1919
 Fred. A. Ferguson

Lloyd's Register Foundation

006749-006759-0191