

REPORT ON BOILERS

No. 29019
WED. 27. AUG. 1919

Received at London Office

Date of writing Report 18th July 1919 When handed in at Local Office 25. 8. 1919 Port of Glasgow
 No. in Survey held at Renfrew Date, First Survey 26-5-19 Last Survey 14-7-1919
 Reg. Book. (Number of Visits 2) } Gross
 on the } Tons } Net
 Master Built at _____ By whom built _____ When built _____
 Engines made at _____ By whom made _____ When made _____
 Boilers made at Renfrew By whom made Messrs. Babcock & Wilcox (4/8) When made 1919
 Registered Horse Power _____ Owners _____ Port belonging to _____

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Stewart & Lloyd

Letter for record S Total Heating Surface of Boilers 8289 $\frac{1}{2}$ Is forced draft fitted _____ No. and Description of Boilers Three Babcock & Wilcox Working Pressure 200 Tested by hydraulic pressure to 400 $\frac{1}{2}$ Date of test 28/3/19
 No. of Certificate _____ Can each boiler be worked separately _____ Area of fire grate in each boiler 84.5 $\frac{1}{2}$ 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 _____ Int. Mean dia. of boilers 4'-0" Length 13'-3 $\frac{1}{2}$ "
 Material of shell plates Steel Thickness 1 $\frac{1}{32}$ " Range of tensile strength 28/32 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams D.R. Lap long. seams J.R. S.B.S. Diameter of rivet holes in long. seams 2 $\frac{1}{32}$ " Pitch of rivets 3 $\frac{3}{64}$ "
 Gap of plates or width of butt straps 4" Per centages of strength of longitudinal joint rivets 44.5 Working pressure of shell by plate 75.8
 No. of tubes 210 Size of manhole in shell 11" x 15" Size of compensating ring 22" x 28 $\frac{3}{4}$ " x 7 $\frac{1}{8}$ " No. and Description of Furnaces in each boiler none 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 1 $\frac{3}{16}$ "
 Pitch of stays none How are stays secured _____ Working pressure by rules _____ 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 $\frac{1}{32}$ " Greatest pitch of stays _____ Working pressure of plate by rules _____ Diameter of tubes 1 $\frac{1}{16}$ " 1 $\frac{15}{16}$ "
 Pitch of tubes 2 $\frac{3}{8}$ " 2 $\frac{3}{4}$ " Material of tube plates Steel 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 none Can the superheater be shut off and the boiler worked separately _____ Diameter _____ Length _____ Thickness of shell plates 3 $\frac{1}{4}$ " Material Steel Description of longitudinal joint weld 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. 2238 attached
 The foregoing is a correct description, Babcock & Wilcox Manufacturer.

Dates of Survey } During progress of } 1919. May 26. July 14. } Is the approved plan of boiler forwarded herewith } No
 while building } work in shops } }
 } During erection on } }
 } board vessel } }
 Total No. of visits 2

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The workmanship & materials are of good quality. The workmanship has been carried out under Special Survey in accordance with the approved drawing & the Rules of the Society. The mud drums & headers have been tested as above. The ends dished & shell plates rolled but not drilled. The boilers are intended for Australian Commonwealth Standard Vessels & the parts have been despatched to Sydney where the boilers will be completed.

Survey Fee ... £ 8 : 8 } When applied for, 26/8/1919
 Travelling Expenses (if any) £ : : } When received, 1919

Committee's Minute GLASGOW 26 AUG 1919
 Assigned TRANSMIT TO LONDON

H. H. Hasset
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 TUE. 19 JUL. 1921



W460-0209

REPORT ON BOILER

Boiler No. 1000
Date of inspection 10/10/1910

Inspector's Name J. H. Smith

Boiler No. 1000
Date of inspection 10/10/1910

24 OCT 1910

