

# REPORT ON BOILERS.

No. 38662

Received at London Office

5a.

of writing Report 29th March 1919 When handed in at Local Office 101 Port of Glasgow  
 Date, First Survey 10-4-18 Last Survey 24-2-1919  
 in Survey held at Glasgow (Number of Visits 24) Tons Gross Net  
 on the Three Babcock + Wilcox Boilers  
 Built at Glasgow By whom built Babcock + Wilcox (No 405) When made 1919  
 By whom made Babcock + Wilcox (No 405) When made 1919  
 Owners Glasgow Port belonging to Glasgow

ULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~.—Manufacturers of Steel Balvill & Sons & Steel Co. of Scotland  
 Is forced draft fitted Yes (closed stokehold) No. and Description of

Total Heating Surface of Boilers 9636 sq ft Tested by hydraulic pressure to Sections 100  
 Working Pressure 200 Area of fire grate in each boiler 85 1/4 sq ft No. and Description of

Can each boiler be worked separately Yes Pressure to which they are adjusted 200  
 Area of each valve 15 1/4 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes

Material of shell plates steel Thickness 9/16 + 1/16 Range of tensile strength 28-32 Are the shell plates welded or flanged Welded  
 Diameter of rivet holes in long. seams 3/32 Pitch of rivets 3.537

Material of rivets steel Diameter of rivet holes in long. seams 3/32 Pitch of rivets 3.537  
 Per centages of strength of longitudinal joint 74.4 Working pressure of shell by

Size of manhole in shell 15" x 11" Size of compensating ring 7/8" x 28 3/4" x 22 1/4" No. and Description of Furnaces in each

Material steel Outside diameter 4'0" Length of plain part 15'14" Thickness of plates 13/16  
 Working pressure of furnace by the rules 240 Combustion chamber

Material of stays steel Diameter at 13/16  
 Working pressure by rules 240 Material of stays steel Thickness 13/16

Material of tube plates steel Thickness: Front 1/16 Back 1/16 Mean pitch of stays 3 1/8  
 Pitch across wide

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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 of good quality throughout. The sections, steam + mud drums, have been tested at above. The boilers have been dispatched in sections to messrs "The Furness S.B. Co" Port Clarence + will be re-erected on board the vessel.

Survey Fee £36 = 4-4 When applied for, 11/5 20/10/1919  
 Travelling Expenses (if any) £ When received, 29/5/1919

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
 Glasgow 15 APR 1919 FRI. MAY. 14 1920

Committee's Minute Assigned TRANSMIT TO LONDON