

REPORT ON BOILERS.

No. 38638

Received at London Office WED. AUG. 14. 1918

Date of Report 1918 When handed in at Local Office 1918 Port of GLASGOW.
Survey held at Date, First Survey 20th Mar. 1918. Last Survey 3rd July 1918
(Number of Visits 9) Gross Tons Net
on the
Built at Newcastle Scotland By whom built Helman Government Shipbuilding Yard When built
Boilers made at Ruyru By whom made Babcock & Wilcox Ltd 1918 When made
Registered Horse Power Water tube Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel
(Letter for record S) Total Heating Surface of Boilers 1820 π Is forced draft fitted to boiler and Description of
Boilers on Babcock & Wilcox's Marine Working Pressure 180 Tested by hydraulic pressure to SEE REMARKS Date of test
No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler 61 π 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 Material Steam Drum 3'-6" Length 9' 4 3/8"
Material of shell plates S Thickness 3/32 7/8 Range of tensile strength 26/30 Are the shell plates welded or flanged
Descrip. of riveting: cir. seams SR long. seams DR Single BS Diameter of rivet holes in long. seams 25/32 Pitch of rivets 37/32
Top of plates or width of butt straps 6 5/8" Per centages of strength of longitudinal joint rivets 80 9 94.7 Working pressure of shell by
rules 190 202 Size of manhole in shell 15 x 11 Size of compensating ring 7/8 x 4 3/4" No. and Description of Furnaces in each
Boiler Material Outside diameter Length of plain part top 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
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 5/8"
Pitch of stays How are stays secured Radius Working pressure by rules 245 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
Heads S Thickness 17/32 Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 13 1/16 3 5/16
Pitch of tubes 2 3/4 + 2 5/8" Material of tube plates S Thickness: Front 7/8" Back Mean pitch of stays Pitch across wide
Water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of
Order 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 S 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 1886 attached to Gb. Rpt. No. 38037.

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

Dates of Survey During progress of 1918 Mar. 30. Apr. 29. May 15. 22. 27. 30. June 3. 12. July 3.
while building During erection on board vessel ---
Is the approved plan of boiler forwarded herewith Yes
Total No. of visits 9 app plan with Gb 38037

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special
survey in accordance with the approved plans. The workmanship, material are of good quality. Steam Drum
fitted to both sections of tubes. Heads to both mud drums 15 7/8" thick. Framing of pressure parts have been loosely
fitted in the ship, afterwards taken to pieces for shipment to New South Wales. This boiler is intended
for New South Wales State Traders

Survey Fee £ 7 : 6 : } When applied for, 191
Travelling Expenses (if any) £ : : } When received, 191

Committee's Minute GLASGOW. 13 AUG 1918

Assigned TRANSMIT TO LONDON

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

TUE. 25 SEP 1918

Lloyd's Register
Foundation

007725-002735-0224