

REPORT ON BOILERS.

No. 39276.
WED. 25 OCT. 1919

Received at London Office

of writing Report 30.6.1919 When handed in at Local Office 18/10/1919 Port of Glasgow.
Survey held at Renfrew Date, First Survey 7/3/1918 Last Survey 30/6/1919.
Book. on the 2 Jarrow Water Tube Boilers for H.M.S. BRADFIELD (Number of Visits 18.) Tons { Gross
Net
ter Built at Irvine By whom built Ayrshire Dockyard Co. When built 1919
ines made at Glasgow By whom made W. Rowan & Co. Ld When made 1919
ers made at Renfrew By whom made Messrs Babcock & Wilcox When made 1919
stered Horse Power Owners British Admiralty Port belonging to Steel Co. of Scotland, Glasgow & Clyde

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel
ter for record S Total Heating Surface of Boilers 6990 sq ft Is forced draft fitted Yes No. and Description of
ers Two Jarrow Water Tube Working Pressure 235 Tested by hydraulic pressure to 352 1/2 Date of test 30.6.19
of Certificate 14483 Can each boiler be worked separately Yes Area of fire grate in each boiler 65 sq ft No. and Description of
ty valves to each boiler Two Cochran Full Bore Area of each valve 2.76 sq ft Pressure to which they are adjusted 240 lb
they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
llest distance between boilers or uptakes and bunkers or woodwork 8" Mean dia. of boilers 4'-2" Length 9'-6"
erial of shell plates S Thickness 5/8" & 1 1/2" Range of tensile strength 24/30 28/32 Are the shell plates welded or flanged No
rip. of riveting: cir. seams D.R. Lap long. seams DRDBS Diameter of rivet holes in long. seams 2 1/32" Pitch of rivets 3 9/64"
of plates or width of butt straps 8 1/4" Per centages of strength of longitudinal joint rivets 86.9 Working pressure of shell by
s 238 Size of manhole in shell 16" x 12" Size of compensating ring Flanged No. and Description of Furnaces in each
er none Material --- Outside diameter --- Length of plain part --- Thickness of plates ---
ription of longitudinal joint --- No. of strengthening rings --- Working pressure of furnace by the rules --- Combustion chamber
es: 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
llest part --- Area supported by each stay --- Working pressure by rules --- End plates in steam space: Material S Thickness 1 1/16" & 1 1/8"
h of stays --- How are stays secured --- Working pressure by rules 245 Material of stays --- Diameter at smallest part ---
a supported by each stay --- Working pressure by rules --- Material of Front plates at bottom --- Thickness --- Material of
er back plate --- Thickness --- Greatest pitch of stays --- Working pressure of plate by rules --- Diameter of tubes
h of tubes 1 1/16" & 1 1/8" Material of tube plates S Thickness: Front 1 1/2" Back 1 1/2" Mean pitch of stays --- Pitch across wide
er spaces --- Working pressures by rules --- Girders to Chamber tops: Material --- Depth and thickness of
er at centre --- Length as per rule --- Distance apart --- Number and pitch of Stays in each ---
rking pressure by rules --- Superheater for Steam chest: how connected to boiler --- Can the superheater be shut off and the boiler worked
rately --- Diameter 2'-5 7/8" Length 9'-3" Thickness of shell plates 5/8" & 1 1/2" Material S Description of longitudinal joint DRDBS Diam. of rivet
s 2 1/32" Pitch of rivets 3 3/32" Working pressure of shell by rules 323 Diameter of flue --- Material of flue plates --- Thickness ---
fitted with rings --- Distance between rings --- Working pressure by rules --- End plates: Thickness --- How stayed ---
rking pressure of end plates --- Area of safety valves to superheater --- Are they fitted with easing gear ---
urvey request form
in 2222 attached

The foregoing is a correct description,

Babcock & Wilcox Limited

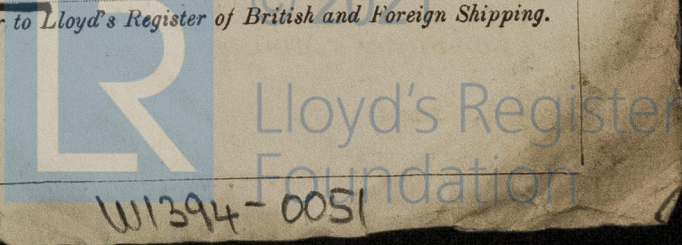
Manufacturer.

During progress of 1918: May 15, May 22-30, June 10-12, July 5. Is the approved plan of boiler forwarded herewith Approved
Survey work in shops -- Aug 2, Sept 12, Dec 9, 1919. Jan 13, May 13, 21. Plan in London Office
hile During erection on July 13, 15, 24, 30. Total No. of visits 18
lding board vessel --

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been
built under special survey in accordance with the
approved plan and the rules of the Society. The workmanship
& materials are good.
These boilers have now been fitted on board the vessel

Survey Fee ... £ : : When applied for, 191
Travelling Expenses (if any) £ : : When received, 191
Shipper H. Fraser J. J. Main
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 28 OCT 1919
Signed See Glasgow Report No. 39276



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