

REPORT ON BOILERS.

No. 39025.

Received at London Office WED. 20 AUG 1919

of writing Report 191 When handed in at Local Office 15.6.1919. Port of GLASGOW.
 in Survey held at Renfrew Date, First Survey Oct 8/1918. Last Survey Apr 11/ 1919.
 on the three Babcock & Wilcox boilers for 1/2" WAR TRENCH. (Number of Visits) } Gross
 Built at Chepstow By whom built Finch & Co. Ltd. 364. When built 1919. } Net
 By whom made Babcock & Wilcox (425) When made 1919.
 Owners _____ Port belonging to _____

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Stewart & Lloyd's & The Steel Coy. of Scotland

er for record S) Total Heating Surface of Boilers 8289 sq ft Is forced draft fitted Yes. No. and Description of
Three Babcock & Wilcox Working Pressure 180 Tested by hydraulic pressure to 360 Date of test
steam drums

of Certificate Can each boiler be worked separately _____ Area of fire grate in each boiler 84 1/2 sq ft No. and Description of
 valves to each boiler (Pair) Double Spring Area of each valve _____ Pressure to which they are adjusted _____

they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____

Least distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of boilers 4'-0" Length 13'-3 1/2"

Material of shell plates S Thickness 1 1/32" + 1" Range of tensile strength 28/32 Are the shell plates welded or flanged No.

rip. of riveting: cir. seams D.R. Lap. long. seams T.R. S.B.S. Diameter of rivet holes in long. seams 2 1/32" Pitch of rivets 3 3/64"

plates or width of butt straps 4" Per centages of strength of longitudinal joint _____ Working pressure of shell by _____

Size of manhole in shell 15" x 11" Size of compensating ring 23" x 28 3/4" x 7/8" No. and Description of Furnaces in each

none Material _____ Outside diameter _____ Length of plain part _____ Thickness of plates _____

Description of longitudinal joint _____ No. of strengthening rings _____ Working pressure of furnace by the rules _____ Combustion chamber

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

st part _____ Area supported by each stay _____ Working pressure by rules _____ End plates in steam space: Material drum Thickness 1 3/16"

of stays _____ How are stays secured Radius Working pressure by rules 220 Material of stays _____ Diameter at smallest part _____

supported by each stay _____ Working pressure by rules _____ Material of Front plates at bottom _____ Thickness _____ Material of

back plate S Thickness 1 1/32" Greatest pitch of stays _____ Working pressure of plate by rules _____ Diameter of tubes 1 13/16" + 3 15/16"

of tubes 2 5/8" x 2 3/4" Material of tube plates S Thickness: Front _____ Back _____ Mean pitch of stays _____ Pitch across wide

spaces _____ Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and thickness of

at centre _____ Length as per rule _____ Distance apart _____ Number and pitch of Stays in each _____

ing pressure by rules _____ Superheater or Steam chest: how connected to boiler _____ Can the superheater be shut off and the boiler worked

ely _____ Diameter _____ Length _____ Thickness of shell plates 3/4" Material S Description of longitudinal joint _____ Diam. of rivet

Pitch of rivets _____ Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____

ned with rings _____ Distance between rings _____ Working pressure by rules _____ End plates: Thickness _____ How stayed _____

ing pressure of end plates _____ Area of safety valves to superheater _____ Are they fitted with easing gear _____

Survey request form
 No. 2224 attached

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

During progress of work in shops - - 1918. Oct 8. 22. 25. 29. 31. Nov. 5. 7. 19.
 Dec. 2. 6. 9.
 During erection on board vessel - - - 1919. Apr 11.

Is the approved plan of boiler forwarded herewith No. previously forwarded with No. 34660
 Total No. of visits _____

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built special survey in accordance with the approved plans, the workmanship and materials are good. Steam drums tested to 360 lbs, Headers & tubes tested to 400 lbs & the mud drums tested to 360 lbs by hydraulic pressure. (Boilers erected in Shop previous to shipment) These boilers are a duplicate of No. 381.

When applied for, 191
 When received, 191
 paid by E. Finch to Glasgow Office.
 (for Babcock & Wilcox).

M. J. Macet.

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

Committee's Minute GLASGOW 19 AUG 1919

TUE 30. DEC. 1919

TRANSMIT TO LONDON

