

REPORT ON BOILERS.

No. 38288
WED. - NOV. 1918

Received at London Office

Date of writing Report **28.10.1918** When handed in at Local Office **2.11.1918** Port of **Glasgow**
 No. in Survey held at **Glasgow** Date, First Survey **5/4/18** Last Survey **15/10/1918**
 Reg. Book. on the **3 Babcock & Wilcox boilers for the S.S. "War Mlad from S.S."** (Number of Visits **22**) Gross **6537** Tons Net **4040**
 Built at **Glasgow** By whom built **British Co** When built **1918**
 Engines made at **Manchester** By whom made **Metropolitan Trainers & Co** When made **1919**
 Boilers made at **Reynow** By whom made **Babcock & Wilcox L^{td} M 399** When made **1918**
 Registered Horse Power _____ Owners _____ Port belonging to _____

TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel **Colville & Co. Steel & Steam**

Total Heating Surface of Boilers **9636** Is forced draft fitted **No Cold Start** No. and Description of Sections **400 LBS**
 Working Pressure **200** Tested by hydraulic pressure to **Muddrum** of test **400 LBS**
 Area of fire grate in each boiler **853/4** No. and Description of valves to each boiler _____
 Area of each valve _____ Pressure to which they are adjusted _____
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 Mean dia. of boilers **14-0"** Length **15-1-1/4"**
 Thickness **9/16 to 1"** Range of tensile strength **28/32** Are the shell plates welded or flanged _____
 Diameter of rivet holes in long. seams **29/32** Pitch of rivets **3-5/8**
 Per centages of strength of longitudinal joint _____ Working pressure of shell by _____
 Size of manhole in shell **15-11"** Size of compensating ring **18-4"** No. and Description of Furnaces in each _____
 Working pressure of furnace by the rules _____ Combustion chamber _____
 Working pressure by rules _____ Material of stays _____ Diameter at _____
 Working pressure by rules **240** Material of stays _____ Diameter at smallest part _____
 Working pressure of plate by rules _____ Diameter of tubes **13-3/16**
 Thickness: Front **1-1/8"** Back _____ Mean pitch of stays _____ Pitch across wide _____
 Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and thickness of _____
 Working pressure by rules _____ End plates: Thickness _____ How stayed _____
 Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____
 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 _____

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

2167 attached to S.S. No. 38228.

Is the approved plan of boiler forwarded herewith **Approved plan in London**
 Total No. of visits **22**
 During progress of work in shops: **19.5.18, 20.12.18, 29. May 18, 15. 17, 22.30 June 18**
 During erection on board vessel: **12. July 18, 3. 5. 29. Aug 2. 26 Sept. 12. Oct 8. 18.**

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) **The Boilers have been built under special survey in accordance with the approved plan & the Rules of the Society. The materials are of quality throughout. The steam drums, sections of tubes & leaders were tested to 400 lbs. The mud drums were tested to 400 LBS. The Boilers have been forwarded in section to the Survey Officer at Glasgow & will be again tested after erection on board.**

Survey Fee ... £ **31-19-0** When applied for, **1918**
 Travelling Expenses (if any) £ _____ When received, **1918**
These boilers have now been fitted on board the S.S. "War Mlad" in Sept 1918.
No 19912.
Thos. A. Ferguson Engineer, Surveyor to Lloyd's Register of British and Foreign Shipping.

