

REPORT ON BOILERS.

No. 37309
WED. 5-DEC. 1917

Received at London Office

Date of writing Report 1917 When handed in at Local Office 1917 Port of **GLASGOW.**

No. in Survey held at Reg. Book. on the *S.S. Ville d'Irmas* Date, First Survey *21st March* Last Survey *26th June 1917*
(Number of Visits *22*) Gross Tons *462* Net Tons *1918*

Master Built at *Londonderry* By whom built *J. & J. of Inland Shipbuilding Co. Ltd.* When built *1918*

Engines made at *Greenock* By whom made *John & K. Inland Co. Ltd. (No. 462)* When made

Boilers made at *Parsley* By whom made *A. F. Craig & Co. Ltd. (602-3-4)* When made *1917*

Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~.—Manufacturers of Steel *Beaumont & Co. Ltd. Steel Coy. Ltd.*(Letter for record *S*) Total Heating Surface of Boilers *6942 1/2* Is forced draft fitted *Yes* No. and Description ofBoilers *3 Single Ended* Working Pressure *180* Tested by hydraulic pressure to *360* Date of test *76 11.17*No. of Certificate *13903* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *53.59 1/4* No. and Description ofsafety valves to each boiler *2 - direct Spring* Area of each valve *8' 2 sq'* Pressure to which they are adjusted *185 lbs*Are they fitted with easing gear *Yes* 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 *1 ft* Mean dia. of boilers *15.17 1/2* Length *11-9"*Material of shell plates *S* Thickness *1 1/2"* Range of tensile strength *28/32* Are the shell plates welded or flanged *✓*Descrip. of riveting: cir. seams *DR* long. seams *TRIDBS* Diameter of rivet holes in long. seams *1 1/4"* Pitch of rivets *8 3/4"*width of butt straps *18 1/2"* Per centages of strength of longitudinal joint rivets *85.68* Working pressure of shell byrules *182* Size of manhole in shell *16 1/2"* Size of compensating ring *28 1/4 x 32 1/4 x 1 1/4"* No. and Description of Furnaces in eachboiler *3 Corrugated* Material *S* Outside diameter *3.11 1/4"* Length of plain part *top 9 1/16"* Thickness of plates *bottom 9 1/16"*Description of longitudinal joint *weld.* No. of strengthening rings *✓* Working pressure of furnace by the rules *183* Combustion chamberplates: Material *S* Thickness: Sides *19 3/32"* Back *19 3/32"* Top *19 3/32"* Bottom *3 1/4"* Pitch of stays to ditto: Sides *4 1/2 x 8 1/4"* Back *8 3/4 x 7 5/8"*Top *8 1/4 x 8"* If stays are fitted with nuts or riveted heads *Yes* Working pressure by rules *182* Material of stays *S* Diameter atsmallest part *1 1/2"* Area supported by each stay *64 sq"* Working pressure by rules *181* End plates in steam space: Material *S* Thickness *1"*Pitch of stays *15 1/2 x 15 1/2"* How are stays secured *DN* Working pressure by rules *184* Material of stays *S* Diameter at smallest part *1 1/2"*Area supported by each stay *240 sq"* Working pressure by rules *198* Material of Front plates at bottom *S* Thickness *7/8"* Material ofLower back plate *S* Thickness *13/16"* Greatest pitch of stays *12 3/4 x 8 3/4"* Working pressure of plate by rules *190* Diameter of tubes *2 1/2"*Pitch of tubes *33 1/4 x 33 1/4"* Material of tube plates *S* Thickness: Front *1"* Back *3/4"* Mean pitch of stays *9 3/8"* Pitch across widewater spaces *13"* Working pressures by rules *184* Girders to Chamber tops: Material *S* Depth and thickness ofgirder at centre *9 3/4 x 3 1/4 (2)* Length as per rule *34 1/2"* Distance apart *8"* Number and pitch of Stays in each *3 at 8 1/4"*Working pressure by rules *183* Superheater or Steam chest: how connected to boiler *None* Can the superheater be shut off and the boiler workedseparately *✓* Diameter Length Thickness of shell plates Material 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 The foregoing is a correct description, *A. F. CRAIG & CO., LTD.* Manufacturer.No. *✓* attached *Director J. Macintosh* Manufacturer.Dates of Survey During progress of *1917 Mar. 21, Apr. 2, 12, 24, May 22, 31, June 14, 19.* Is the approved plan of boiler forwarded herewith *Yes*while building During erection on *July 12, 19, 24, Aug 2, 6, 14, 21, Oct 3, 10, 23, Nov 1, 4, 16, 26.* Total No. of visits *22*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built

under Special Survey in accordance with the approved

plans & the workmanship & material are of good quality

These boilers are seen shipped to Londonderry, at which port

they will be fitted on board.

Survey fee *1/3 of fee to be credited to this* When applied for, *191*Traveling Expenses (if any) £ *✓* When received, *191*Committee's Minute *GLASGOW. 4-DEC. 1917* FRI. MAY. 27 1921Assigned TRANSMIT TO LONDON *W. Gordon. Macintosh* Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 18 JUN. 1913 TUE. OCT. 19 1920 FRI. 17 JUN. 1921

FRI. SEP. 27. 1913 FRI. 13 FEB. 1920

FRI. 4-APR. 1919 FRI. JAN. 2-1920

TUE. 16 MAR. 1920

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