

Rpt. a.

REPORT ON BOILERS.

No. 15359

Received at London Office TUES. 28 APR 1908

Date of issuing Report 10 When handed in at Local Office 23rd April 1908. Port of Greenock

No. in Survey held at Port Glasgow Date, First Survey 10th February 1908 Last Survey 15th April 1908

Reg. No. 122 on the SCREW STEAMER "LADY MARTIN" (Number of Visits 20) Gross 1356 Tons Net 712

Master W. Williams Built at Belfast By whom built Rankman Clark & Co. When built 1888

Engines made at Glasgow By whom made Drummond & Jackson when made 1888

Boilers made at Port Glasgow By whom made Clyde S.S. & Eng. Co. Ltd. when made 1908

Registered Horse Power Owners British & Irish Steam Packet Co. Ltd. Port belonging to Dublin

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Co. of Scotland.

(Letter for record S.V.) Total Heating Surface of Boilers 4022 sq. ft. Is forced draft fitted No. and Description of Boilers Two Double End Multi-Cylinder Working Pressure 160 lbs Tested by hydraulic pressure to 320 lbs Date of test 18/4/08

No. of Certificate 886. Can each boiler be worked separately Yes. Area of fire grate in each boiler 74.24 sq. ft. No. and Description of safety valves to each boiler Two Spring loaded. Area of each valve 9.62 sq. in. Pressure to which they are adjusted

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 Mean dia. of boilers 12' 0" Length 15' 6"

Material of shell plates Steel Thickness 1 1/8" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams Double End Lap Double Riveting. seams S.S. & Eng. Co. Ltd. Diameter of rivet holes in long. seams 1 1/8" Pitch of rivets 3 1/2" 3 1/2"

Lap of plates or width of butt straps 15 5/8" Per centages of strength of longitudinal joint rivets 84.6 Working pressure of shell by rules 194 lbs Size of manhole in shell 16 x 12" Size of compensating ring 24 x 25 x 1 1/2" No. and Description of Furnaces in each boiler 4: Corrugated. Material Steel Outside diameter 44" Length of plain part top 6' 0 1/2" Thickness of plates crown 1 1/2" bottom 2"

Description of longitudinal joint Weld No. of strengthening rings None. Working pressure of furnace by the rules 172 lbs. Combustion chamber plates: Material Steel Thickness: Sides 3/2" Back 1" Top 3/2" Bottom 3/2" Pitch of stays to ditto: Sides 8 1/2 x 9" Back

Top 8 1/2 x 9" If stays are fitted with nuts or riveted heads None Working pressure by rules 165 lbs Material of stays Steel Diameter at smallest part 1 3/8 x 1 1/2" Area supported by each stay 74" Working pressure by rules 160 lbs End plates in steam space: Material Steel Thickness 1 3/2"

Pitch of stays 16 x 17" How are stays secured Double Nuts Working pressure by rules 168 lbs Material of stays Steel Diameter at smallest part 2 1/8 full

Area supported by each stay 283" Working pressure by rules 200 lbs Material of Front plates at bottom Steel Thickness 3/4" Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 3" 3/4"

Pitch of tubes 4 1/2 x 5" Material of tube plates Steel Thickness: Front 1 1/2" Back 1" Mean pitch of stays 9 1/2" Pitch across wide water spaces 13 1/2" Working pressures by rules 208 lbs 377 lbs. Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 9 1/2 x 1 1/2" Length as per rule 36" Distance apart 9" Number and pitch of Stays in each 3: 8 1/2"

Working pressure by rules 197 lbs Superheater or Steam chest: how connected to boiler None. Can the superheater be shut off and the boiler worked separately 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

THE CLYDE SHIPBUILDING & ENGINEERING CO. LIMITED
The foregoing is a correct description,
John S. Dunlop Secretary Manufacturer.

Dates of Survey During progress of work in shops 1908. Feb 10. 11. 18. 19. 20. 24. 26. 28. Is the approved plan of boiler forwarded herewith Yes.
while (During erection on building) board vessel --- March 2. 6. 11. 13. 17. 19. 20. 25. April 2. 3. 7. 15. Total No. of visits 20

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The main Boilers of this vessel have been built under Special Survey and the workmanship is good. When completed they were tested as required by the Rules, and found tight and sound.

This vessel is not now classed in the Society's Register Book.

Survey Fee ... £ 13 : 8 : When applied for, 21/4/1908
Travelling Expenses (if any) £ : : When received, 23/4/1908

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

Committee's Minute Glasgow 27 APR 1908
Assigned Transmit to London

1908 COPY

If not, state whether, and when, one will be sent?

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Inferred to the Chief Engineer...

I have to certify that the above is a correct copy of the Report received from the Society's Surveyors at Greenock that the main boilers have recently been constructed under their supervision by Messrs. The Clyde S.S. & Eng. Co. Ltd. and are to be fitted on board the s.s. "LADY MARTIN" of your port (No. 122 in the Register Book).

I shall be glad if you will be good enough to ascertain and let me know whether these boilers have yet been placed in the above-named vessel, and if so, the date on which the work was completed, in order that a notation of the fact may be made in the Register Book.

I am, Sir, I
Your obedient servant,
Mr. W. Austin
The Secretary,
Lloyd's Register of British and Foreign Shipping,
25, Abchurch Lane, London, E.C. 4.



604356-0029

As this book is intended for an unclean
sessel, it is submitted, that no
further action be taken in the case

JWR
30/4/08

ARR
2.5.08

"Lady Martin"
Gr R 15359