

Rpt. a.

REPORT ON BOILERS.

No. 15359.

Received at London Office TUES. 28 APR 1908

Date of Survey 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 1908Last Survey 15th April 1908

Reg. No.

122. on the SCREW STEAMER

LADY MARTIN.

(Number of Visits)

20.

Tons

Gross 1356

Net 712

Master H. Williams

Built at Belfast

By whom built Barkman 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.B. & 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 ✓) Total Heating Surface of Boilers 4022 sq. ft. Is forced draft fitted No. and Description of

Boilers Two Double End Multi-Cylinders Working Pressure 160 lb. Tested by hydraulic pressure to 320 lb. Date of test 15/4/08

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 18' 6".

Material of shell plates Steel Thickness 1 1/16". Range of tensile strength 28 to 32 tons. Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams Double Riveting. seams S.B. & Eng. Co. Ltd. Diameter of rivet holes in long. seams 1 1/16". Pitch of rivets 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 lb. Size of manhole in shell 16 x 12". Size of compensating ring 24 x 28 x 1 1/16". 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".

Description of longitudinal joint Weld. No. of strengthening rings None. Working pressure of furnace by the rules 192 lb. Combustion chamber

plates: Material Steel Thickness: Sides 3/2". Back 1 1/2". 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 lb. Material of stays Steel Diameter at

smallest part 1 1/2". Area supported by each stay 74 sq. in. Working pressure by rules 160 lb. End plates in steam space: Material Steel Thickness 1 1/2".

Pitch of stays 16 x 17". How are stays secured Double nuts. Working pressure by rules 165 lb. Material of stays Steel Diameter at smallest part 2 1/2".

Area supported by each stay 283 sq. in. Working pressure by rules 200 lb. 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 1/2".

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 lb. 377 lb. 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 187 lb. 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 building During erection on 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.

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



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Foundation