

# REPORT ON BOILERS.

No. 28243.

THUR. 4 NOV 1909

Received at London Office

Date of writing Report

19

When handed in at Local Office

1. 11. 09

Port of

Glasgow.

No. in Survey held at

Glasgow

Date, First Survey

19<sup>th</sup> Aug

Last Survey

26<sup>th</sup> Oct 1909.

(Number of Visits

9)

Gross

Tons

Net

Reg. Book.

on the Boiler No. 929 for Garston Graving Dock, S.B. No. 65.

Master

Built at Garston

By whom built Garston Graving Dock

When built

Engines made at

Glasgow

By whom made

Miller & Me Tie 2-58

when made

1909.

Boilers made at

Glasgow

By whom made

Ewing & Lawson

when made

1909.

Registered Horse Power

Owners

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel W. Brantmore & Co.

Letter for record (5) Total Heating Surface of Boilers 756.8 Is forced draft fitted No. and Description of

Boilers One Single Ended Working Pressure 130 Tested by hydraulic pressure to 260 Date of test 26/10/09

No. of Certificate 10162 Can each boiler be worked separately Area of fire grate in each boiler 33 No. and Description of

safety valves to each boiler Area of each valve Pressure to which they are adjusted

Are they fitted with easing gear 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 10-0 Length 9-0

Material of shell plates steel Thickness 1 1/16 Range of tensile strength 28632 Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams D. R. L. long. seams D. B. S. Diameter of rivet holes in long. seams 1 1/16 Pitch of rivets 5 1/2

Top of plates or width of butt straps 14 1/4 Per centages of strength of longitudinal joint rivets 96 Working pressure of shell by

rules 137 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 2 plain Material steel Outside diameter 38 Length of plain part top 66 Thickness of plates crown 9 1/16

Description of longitudinal joint wild No. of strengthening rings 1 Working pressure of furnace by the rules 135 Combustion chamber

plates: Material steel Thickness: Sides 7/32 Back 9/16 Top 3/16 Bottom 7/32 Pitch of stays to ditto: Sides 7 x 9 Back 8 1/2 x 9

Top 7 x 9 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 130 Material of stays steel Diameter at

smallest part 1 1/8 Area supported by each stay 66 Working pressure by rules 150 End plates in steam space: Material steel Thickness 2 5/32

Pitch of stays 16 1/2 x 12 1/2 How are stays secured D. nuts Working pressure by rules 135 Material of stays steel Diameter at smallest part 3 1/8

Area supported by each stay 210 Working pressure by rules 160 Material of Front plates at bottom steel Thickness 2 5/32 Material of

Lower back plate steel Thickness 2 5/32 Greatest pitch of stays 13 Working pressure of plate by rules Diameter of tubes 3 1/4

Pitch of tubes 4 1/4 Material of tube plates steel Thickness: Front 2 5/32 Back 2 1/32 Mean pitch of stays 10 7/8 Pitch across wide

water spaces 13 1/2 Working pressures by rules 170 Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 8 x 7 1/4 x 2 Length as per rule 26 1/4 Distance apart 9 1/2 Number and pitch of Stays in each 2 - 7

Working pressure by rules 175 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

Survey request form

The foregoing is a correct description,

Manufacturer.

No. 251 attached

Dates of Survey During progress of 1909. Aug 19. 25. Sep 8. 10. 21. 28. Oct Is the approved plan of boiler forwarded herewith Yes

while work in shops - - - 6. 12. 14. 26. Ewing & Lawson, Limited

building During erection on board vessel - - - Total No. of visits 10 J. H. Ewing DIRECTOR

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

constructed under Special Survey & is of good workmanship

& materials

Survey Fee ... £ 2 : 10/-

When applied for

21/11/09

Travelling Expenses (if any) £

When received

24/12/09

28.12 H. Gardner-Smith.

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

Committee's Minute

GLASGOW 5-NOV. 1909

Assigned

Deferred for

completion



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Lloyd's Register  
W114-0068