

REPORT ON BOILERS.

No. 38064.

Received at London Office

WED. 21 AUG. 1918

Date of writing Report

191

When handed in at Local Office

191

Port of Glasgow

No. in Survey held at

Dalmuir

Date, First Survey

3/12/17

Last Survey

5/6/

1918

Reg. Book.

on the Boilers for Steamer

Dainty

(Number of Visits

20

Gross

Tons

Net

Master

Built at

Chepstow

By whom built

E. Inch & Co (1916) Ltd

When built

1918

Engines made at

Glasgow

By whom made

North British Steam Eng. Co

When made

1918

Boilers made at

Dalmuir

By whom made

Wm Beardmore & Co Ltd (59YA)

When made

1918

Registered Horse Power

Owners

Admiralty

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Wm Beardmore & Co Ltd.

(Letter for record 5) Total Heating Surface of Boilers 4216 sq ft Is forced draft fitted No. No. and Description of

Boilers Two single ended Working Pressure 160 lbs Tested by hydraulic pressure to 320 lbs Date of test 29.5.18

No. of Certificate 14328 Can each boiler be worked separately 465 Area of fire grate in each boiler 63 sq ft No. and Description of

safety valves to each boiler 2 direct spring Area of each valve 7.07 sq in Pressure to which they are adjusted 160 lbs

Are they fitted with easing gear 465 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 16 in Mean dia. of boilers 14'-0" Length 10'-0"

Material of shell plates steel Thickness 1 1/8 Range of tensile strength 28/32 tons Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams DR Lap long. seams DBS. TR Diameter of rivet holes in long. seams 1 3/16 Pitch of rivets 8 3/8

Lap of plates or width of butt straps 14 3/4 Per centages of strength of longitudinal joint rivets 82.8 Working pressure of shell by

rules 172 Size of manhole in shell 21 x 17 Size of compensating ring 37 1/2 x 33 x 1 1/2 flanged No. and Description of Furnaces in each

boiler 3 Morrison Material steel Outside diameter 46 1/4 Length of plain part top Thickness of plates crown 1 1/2

Description of longitudinal joint wild No. of strengthening rings Working pressure of furnace by the rules 218 Combustion chamber

plates: Material steel Thickness: Sides 19/32 Back 19/32 Top 19/32 Bottom 7/8 Pitch of stays to ditto: Sides 7 3/4 x 9 Back 7 3/4 x 9 8 1/2 x 8 1/2 wings

Top 9 x 7 3/4 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 169 Material of stays steel Diameter at

smallest part 1.44 Area supported by each stay 72 Working pressure by rules 160 End plates in steam space: Material steel Thickness 1

Pitch of stays 15 1/2 x 17 1/2 How are stays secured DN Working pressure by rules 176 Material of stays steel Diameter at smallest part 5.05

Area supported by each stay 251 Working pressure by rules 208 Material of Front plates at bottom steel Thickness 7/8 Material of

Lower back plate steel Thickness 13/16 Greatest pitch of stays 14 1/2 doubled Working pressure of plate by rules 160 Diameter of tubes 3

Pitch of tubes 4 x 4 Material of tube plates steel Thickness: Front 7/8 Back 3/4 Mean pitch of stays 10 Pitch across wide

water spaces 13 Working pressures by rules 162 Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 2 plates 7 1/4 x 3/4 Length as per rule 29 5/32 Distance apart 7 3/4 Number and pitch of Stays in each 2 of 9

Working pressure by rules 184 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

No. 2170. attached

The foregoing is a correct description,
FOR WILLIAM BEARDMORE & CO. LIMITED

Manufacturer.

Dates

During progress of

work in shops

1917. Sep. Dec. 3. 7. 1918 Jan. 21 Feb. 5. 13. 19. 27. Mar. 12. 20.

of Survey

while

During erection on

board vessel

Apr. 2. 17. 26. May 1. 9. 20. 27. 29. June 3. 5.

Total No. of visits

20.

GENERAL REMARKS

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

These boilers have been constructed

under special survey in accordance with the rules and approved plan, and have

been forwarded to Messrs. Finch & Co. Chepstow to be fitted on board.

Survey Fee

£ 16 : 2 : 0

When applied for

20 July 1918

Travelling Expenses (if any)

£

When received

28/9/18

repaid from £10.0.0 to £10.3.19

Harry Clarke

14.3.19 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW, 20 AUG 1918

TUE. 150 CT. 1918

Assigned

TRANSMIT TO LONDON

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Lloyd's Register
Foundation

W1050-0026