

REPORT ON BOILERS.

No. 34036.

WED. MAY. 27. 1914

WED. JUL. 15. 1914

Date of writing Report

101

When handed in at Local Office

14/57

Received at London Office

101

Port of

Glasgow

Date, First Survey

9. 5. 13.

Last Survey

1. 5. 1914

1914

No. in Survey held at

Glasgow

Reg. Bkgk.

10 Sup on the Boiler 23359

for S.S. "BIDDY"

Master Richardson

Built at

Larne

By whom built

Larne Shipbuilding Co. (N.B.)

built 1914.

Engines made at

Glasgow

By whom made

Saudie Sikespie & Co. Engin 126

When made

1914

Boilers made at

do

By whom made

James Neilson & Son Ltd

When made

1914

Registered Horse Power

64

Owners

The Premier Ins. Co Ltd.

Port belonging to

Hull

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Letter for record (5) Total Heating Surface of Boilers 1230 sq ft Is forced draft fitted in No. and Description of

Boilers One Single Ended Working Pressure 130 lb Tested by hydraulic pressure to 260 lb Date of test 1/5/14

No. of Certificate 12691 Can each boiler be worked separately Area of fire grate in each boiler 49 sq ft No. and Description of

Safety valves to each boiler Pair spring loaded Area of each valve 404 sq in Pressure to which they are adjusted 135 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 uptakes and bunkers or woodwork 6'-8" Mean dia. of boilers 12'-0" Length 10'-0"

Material of shell plates steel Thickness 2 7/32" Range of tensile strength 28/432 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams D. R. L. long. seams S. B. S Diameter of rivet holes in long. seams 3/16" Pitch of rivets 5 3/4"

Pitch of plates or width of butt straps 12 3/4" Per centages of strength of longitudinal joint rivets 86 Working pressure of shell by

Rules 137 Size of manhole in shell 16 x 12 Size of compensating ring 7 x 27/32 No. and Description of Furnaces in each

Boiler 3 plain Material steel Outside diameter 37" Length of plain part top 75" Thickness of plates crown 19/32

Description of longitudinal joint weld No. of strengthening rings 14 Working pressure of furnace by the rules 130 Combustion chamber

Material steel Thickness: Sides 9 1/16" Back 9 1/16" Top 9 1/16" Bottom 9 1/16" Pitch of stays to ditto: Sides 4 x 8 Back 8 x 9 3/4

p 10 x 4 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 135 Material of stays steel Diameter at

smallest part 1-24 Area supported by each stay 76" Working pressure by rules 130 End plates in steam space: Material steel Thickness 27/32

Pitch of stays 16 x 15 How are stays secured D. nuts Working pressure by rules 133 Material of stays steel Diameter at smallest part 3.67

Area supported by each stay 240" Working pressure by rules 160 Material of Front plates at bottom steel Thickness 2 3/32" Material of

over back plate steel Thickness 2 1/2" Greatest pitch of stays 12 1/2" Working pressure of plate by rules 130 Diameter of tubes 3 1/2"

Pitch of tubes 4 3/8 x 4 1/2 Material of tube plates steel Thickness: Front 2 3/32" Back 2 1/32" Mean pitch of stays 11 1/6" Pitch across wide

er spaces 13 1/4" Working pressures by rules 130 Girders to Chamber tops: Material steel Depth and thickness of

over at centre 6 3/4 x 1 1/2 Length as per rule 2'-2" Distance apart 10" Number and pitch of Stays in each 2 at 4"

Working pressure by rules 130 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

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

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

1267 attached

The foregoing is a correct description,

For JAMES NEILSON & SON, Ltd. Manufacturer.

Arch. Galloway Secretary

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits 28.

During progress of work in shops - 1913. May 9-21. Aug 4-13. 20-25. Sept 15-18. 12-23.

During erection on board vessel - 1914 March 20-25. April 2-9. 20-24 May 1.

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

constructed under Special Survey & is of good materials &

workmanship.

This boiler has been securely fitted aboard and its safety valves adjusted

under steam.

Survey Fee ... £ 4 : 2 : When applied for, 22/57 1914.

Travelling Expenses (if any) £ : : When received, 26/57 1914.

Committee's Minute

Signed

TRANSMIT TO LONDON

GLASGOW 26 MAY. 1914

FRI. JUL. 24. 1914

See minute on Gls. Rpt. No. 34226

Lloyd's Register Foundation

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