

WED. FEB. 17. 1915

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REPORT ON BOILERS.

No. 34848.

Feb. 17. 1915

Received at London Office

Writing Report 6-2- 1915 When handed in at Local Office 191 Port of Glasgow
in Survey held at Glasgow Date, First Survey 7/10/14 Last Survey 9-2- 1915
Book. S/S Nellie (Number of Visits 19) Tons } Gross
on the Glasgow When built 1915
Built at Kelland By whom built Lidgerwood & Co (445) When made 1915
By whom made Dunsmuir & Jackson, Ltd. 1347 When made 1915
By whom made Dunsmuir & Jackson, Ltd. 1347 Port belonging to
Registered Horse Power 180 Owners

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Co. of Lancashire & Yorkshire
No. and Description of

er for record 1 Total Heating Surface of Boilers 1364 Is forced draft fitted No Date of test 1-2-15

one single ended Working Pressure 180 Tested by hydraulic pressure to 360 No. and Description of

of Certificate 13019 Can each boiler be worked separately Area of fire grate in each boiler 51

Area of each valve Pressure to which they are adjusted

they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Least distance between boilers or uptakes and bunkers or woodwork Internal dia. of boilers 12-9 Length 10-6

Material of shell plates DR Thickness 1 1/32 Range of tensile strength 28-32 Are the shell plates welded or flanged 870

rip. of riveting: cir. seams DR long. seams TR. DBS Diameter of rivet holes in long. seams 1 1/8 Pitch of rivets 4 13/16

of plates on width of butt straps 1-5 Per centages of strength of longitudinal joint 91.37 Working pressure of shell by

180 Size of manhole in shell 16-12 Size of compensating ring 6 1/2 x 1 1/16 No. and Description of Furnaces in each

er 3 plain Material DR Outside diameter 3-2 1/2 Length of plain part 6-9 Thickness of plates 3 1/4

ription of longitudinal joint weld No. of strengthening rings 1 Working pressure of furnace by the rules 183 Combustion chamber

es: Material DR Thickness: Sides 1 1/16 Back 1 1/16 Top 1 1/16 Bottom 1 1/16 Pitch of stays to ditto: Sides 10-9 Back 9-9

10-8 1/2 If stays are fitted with nuts or riveted heads Pub. Working pressure by rules 182 Material of stays DR Diameter at

least part 9-9 Area supported by each stay 90 Working pressure by rules 181 End plates in steam space: Material DR Thickness 1 1/16

ch of stays 14-16 How are stays secured DN Working pressure by rules 186 Material of stays DR Diameter at smallest part 4-7

ea supported by each stay 242 Working pressure by rules 184 Material of Front plates at bottom DR Thickness 1 1/32 Material of

ver back plate DR Thickness 29/32 Greatest pitch of stays 14-2 1/2 Working pressure of plate by rules 205 Diameter of tubes 3 1/2

ch of tubes 4-3 1/4 Material of tube plates DR Thickness: Front 1 1/32 Back 7/8 Mean pitch of stays 12 1/4 Pitch across wide

er spaces 14 1/2 Working pressures by rules 185 Girders to Chamber tops: Material DR Depth and thickness of

der at centre 8-7 1/8 (2) Length as per rule 29 1/16 Distance apart 8 1/2 Number and pitch of Stays in each 24-10

orking pressure by rules 184 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

arately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

es 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

orking pressure of end plates Area of safety valves to superheater

urvey request form

No. 1586 attached

Is the approved plan of boiler forwarded herewith Yes

Dates During progress of 1914 Oct 7-28 Nov 3-12-17-27-30 Dec 7-14-18-19-16 Jan 4 Total No. of visits 19

Survey while building { During erection on } board vessel { }

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

This boiler has been built under

Special Survey in accordance with the approved plan. The workmanship

material are of good quality

Boiler will be placed on board. Satisfactory

Survey Fee charged on monthly rent When applied for 191

Traveling expenses (if any) 191 When received 191

W. Gordon Muir

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

FRI. JUN. 18. 1915

Committee's Minute TRANSMIT TO LONDON

Assigned GLASGOW 16 FEB. 1915



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