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REPORT ON BOILERS.

Mar Rpt 1966
No. 63881
TUE. MAR. 18. 1913

MAR 17 1913

Received at London Office

NEWCASTLE-ON-TYNE.

of writing Report 191 When handed in at Local Office 191 Port of NEWCASTLE-ON-TYNE.

No. in Survey held at Newcastle on Tyne Date, First Survey 4th Oct. 1912 Last Survey 10th March 1913

Safe Book. 55 on the S.S. "Lasebo" (Number of Visits) } Gross Tons } Net

ster Built at Middlesbri By whom built New Smith's Dock Co When built 1913
SS. No 547

ines made at By whom made When made

lers made at Newcastle By whom made New Hawthorn Leslie & Co L^d When made 1913
No 5425 B

istered Horse Power Owners Neale & West, L^d Port belonging to Cardiff

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel See attached letter 2.4.13

atter for record S) Total Heating Surface of Boilers 1522 ~~1483~~ ϕ Is forced draft fitted No No. and Description of

Boilers one S.E. Cyl^r Inult^r Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 10.3.13

of Certificate 8461 Can each boiler be worked separately Area of fire grate in each boiler 53.7 ϕ —No. and Description of

ty valves to each boiler Two direct spring Area of each valve 4.9 ϕ Pressure to which they are adjusted 185 lbs

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

allest distance between boilers or uptakes and bunkers or woodwork 8 1/2 ϕ Inside Mean dia. of boilers 13.6 Length 10.6

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

crip. of riveting: cir. seams d & lap. long. seams L & d & S. Diameter of rivet holes in long. seams 1 1/16 Pitch of rivets 8

of plates or width of butt straps 18 Per centages of strength of longitudinal joint rivets 90 Working pressure of shell by plate 85.15

es 184 lbs Size of manhole in shell 16 x 12 Size of compensating ring McNeill 1 1/2 thick No. and Description of Furnaces in each

er 3—plain Material steel Outside diameter 42 Length of plain part top 6.6 bottom 6.6 Thickness of plates crown 25 bottom 32

escription of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 186 lbs Combustion chamber

tes: Material steel Thickness: Sides 3/16 Back 1/16 Top 3/4 Bottom 15/16 Pitch of stays to ditto: Sides 8 1/2 x 10 Back 10 x 9

10 1/2 x 10 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 180.5 lbs Material of stays steel Diameter at

allest part 2.03 Area supported by each stay 90 Working pressure by rules 204 End plates in steam space: Material steel Thickness 19 Area 32

ch of stays 20 x 19 1/2 How are stays secured d & w. Working pressure by rules 188 Material of stays steel Diameter at smallest part 7.24 Area

a supported by each stay 390 Working pressure by rules 122 Material of end plates steel Thickness 1 Material of

er back plate steel Thickness 15 Greatest pitch of stays 14 1/2 x 10 Working pressure of plate by rules 195.6 Diameter of tubes 3 1/2

ch of tubes 4 3/4 x 4 3/4 Material of tube plates steel Thickness: Front 1 Back 25 Mean pitch of stays 9 1/2 x 11 1/2 Pitch across wide

er spaces 14 1/2 Working pressures by rules 183 lbs Girders to Chamber tops: Material steel Depth and thickness of

er at centre 8 1/2 x 1 7/8 Length as per rule 33 Distance apart 10 1/8 Number and pitch of Stays in each 2—10 1/2

orking pressure by rules 193 lbs 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 Are they fitted with easing gear

VERTICAL DONKEY BOILER—

No. Description Manufacturers of steel

ide at By whom made When made Where fixed Working pressure

ted by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves

o. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can

er the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile

ength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

op of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates

adius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown

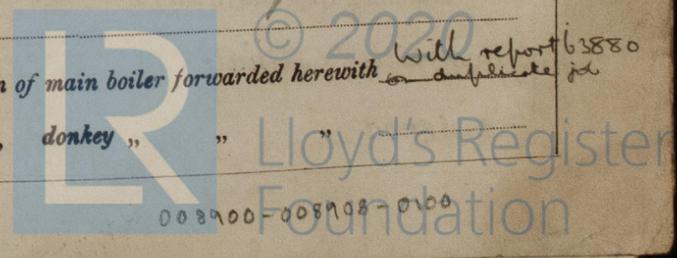
plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description,
FOR R. & W. HAWTHORN, LESLIE & CO. LD. Manufacturer.

1912
Dates of Survey { During progress of work in shops - } Oct. 4. 14. 28. 31. Nov. 8. 13. 18. 22. 26. Dec. 9. 13. 17. 20. 23.
{ During erection on board vessel - } Jan. 9. 14. 20. 23. 27. 29. 31. Feb. 5. 12. 13. 18. 25. Mar. 5. 10.
building { Total No. of visits } 28 +

Is the approved plan of main boiler forwarded herewith with report 63880
" " " donkey " "



GENERAL REMARKS

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

This Main Boiler has been constructed under special survey, the workmanship and materials used are both of good quality, it has been tested by water pressure and proved satisfactory under test

The Boiler will be sent to Girdlebees for fitting on board the vessel

Boiler satisfactorily fitted & secured on board & safety valves adjusted under steam

Certificate (if required) to be sent to

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee .. £	:	:	When applied for,
Special £ 4 19	:	:	MAR 17 1913
Donkey Boiler Fee £	:	:	When received,
Travelling Expenses (if any) £	:	:	at 29.4.1913

R. W. Cromber & J. Kerr
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

TUE. JUN. 17. 1913

Assigned



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