

REPORT ON BOILERS.

No. 32483.

Received at London Office

Date of writing Report 19 When handed in at Local Office 6/5/12 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 20-2-12 Last Survey 19-4-12
 Reg. Book. J. I. "Colusa" (Number of Visits 11) Tons Gross Net
 Master Built at Port Glasgow By whom built W Hamilton & Co When built 1913
 Engines made at Glasgow By whom made D. Rowan & Co (Engins 575) when made 1912
 Boilers made at Glasgow By whom made Lindsay Burnet & Co (1880) when made 1912
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—~~MAIN~~ ~~AUXILIARY~~ OR DONKEY.—Manufacturers of Steel Glasgow & Steel Co

Letter for record) Total Heating Surface of Boilers 3577 Is forced draft fitted No. and Description of
 Boilers 1 Single ended return tube Working Pressure 120 Tested by hydraulic pressure to 240 Date of test 19/4/12
 No. of Certificate 11533 Can each boiler be worked separately Area of fire grate in each boiler 113.7 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 10 1/2 Mean dia. of boilers 6'-6" Length 9'-0"
 Material of shell plates Stul Thickness 1/2 Range of tensile strength 28/32 Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams Lap long. seams tube Lap Diameter of rivet holes in long. seams 13/16 Pitch of rivets 3 5/16
 Lap of plates or width of butt straps 5 1/4 Per centages of strength of longitudinal joint rivets 79.9 Working pressure of shell by
 rules plate 76.5
 Size of manhole in shell 16" x 12" Size of compensating ring 2'-4" x 2'-0" No. and Description of Furnaces in each
 boiler 1 plain Material Stul Outside diameter 31 1/2 Length of plain part top 6'-2 1/2 Thickness of plates crown 7 1/2
 bottom 7'-10 bottom 32
 Description of longitudinal joint Weld No. of strengthening rings Working pressure of furnace by the rules Combustion chamber
 Plates: Material Stul Thickness: Sides 17/32 Back 17/32 Top 17/32 Bottom 17/32 Pitch of stays to ditto: Sides 8 1/2 x 8 1/2 Back 8 1/2 x 8 1/2
 Top 8 1/2 x 8 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 120 Material of stays Stul Diameter at
 smallest part 1.22 Area supported by each stay 72 Working pressure by rules 135 End plates in steam space: Material Stul Thickness 23/32
 Pitch of stays 13 x 10 1/2 How are stays secured 2 nuts Working pressure by rules 124 Material of stays Stul Diameter at smallest part 2-7 1/2
 Area supported by each stay 186 Working pressure by rules 153 Material of Front plates at bottom Stul Thickness 23/32 Material of
 back plate Stul Thickness 23/32 Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 3
 Pitch of tubes 4 1/8 x 4 1/8 Material of tube plates Stul Thickness: Front 23/32 Back 21/32 Mean pitch of stays 9-28 Pitch across wide
 water spaces 12 Working pressures by rules 128 Girders to Chamber tops: Material Stul Depth and thickness of
 girder at centre 5' x 7/16 double length as per rule 19 Distance apart 8 1/2 Number and pitch of Stays in each (1) 8 1/2
 Working pressure by rules 165 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

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel
 Made at By whom made When made Where fixed Working pressure
 Tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can
 enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile
 strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets
 Lap of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates
 Plates
 Radius 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 Survey request form
 No. 924 attached The foregoing is a correct description,
 Lindsay Burnet & Co Manufacturer.

Foreign Shipping. Dates During progress of work in shops - 1912 Feb. 20-27. March 5-6-12-14-26. April 2-10-15-19.
 Survey while board vessel -
 Staying Total No. of visits 11

Is the approved plan of main boiler forwarded herewith

" " " donkey " " Lloyd's Register
 W508-0048 Foundation

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

This boiler has been built under special survey, the material and workmanship are of good description.

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,
<i>Special</i> ...	£	2	:	19/3/13.
Donkey Boiler Fee ...	£	:	:	When received,
Travelling Expenses (if any) £	:	:	:	23/3/13.

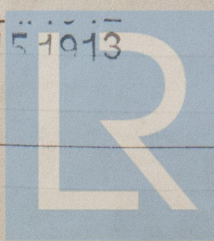
A. M. E. Kean
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. APR. 4-1913

TUE. APR. 15-1913

Assigned



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