

Rpt. 5.

REPORT ON BOILERS.

No. 24727

Port of Glasgow Received at London Office THUR. DEC 27 1906

No. in Survey held at Greenock Date first Survey 31st Aug Last Survey 18th Dec 1906
Reg. Book. Screen Steamer Cord Sefton (Number of Visits) _____
on the Boiler No 1086 for M^{rs} A McMillan & Son No 409 Tons 247 Gross 247 Net 247

Master _____ Built at _____ By whom built _____ When built _____
Engines made at Greenock By whom made Rauhuie & Polachmover when made _____
Boilers made at Glasgow By whom made M^{rs} Lindsay Burnett & Co when made 1906
Registered Horse Power _____ Owners _____ Port belonging to _____

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Glydebridge & Larnach Ltd

(Letter for record S) Total Heating Surface of Boilers 755 Is forced draft fitted ✓ No. and Description of Boilers one single ended Working Pressure 100 lb Tested by hydraulic pressure to 200 Date of test 18-12-06

No. of Certificate 8299 Can each boiler be worked separately _____ Area of fire grate in each boiler _____ 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 _____ Mean dia. of boilers 10-0" Length 9-0"

Material of shell plates S Thickness 5/8" Range of tensile strength 28-32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams Single long. seams TR Lap Diameter of rivet holes in long. seams 7/8" Pitch of rivets 4 1/8"

Lap of plates width of butt straps 6 1/2" Per centages of strength of longitudinal joint 79.18 Working pressure of shell by rules 103 Size of manhole in shell 12 x 16" Size of compensating ring 5 1/2 x 23/32" No. and Description of Furnaces in each boiler Two plain Material S Outside diameter 36" Length of plain part 60" Thickness of plates 1 1/2"

Description of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 110 Combustion chamber plates: Material S Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 10 x 15/16" Back 10 x 9/16"

Top 1 1/2 x 8 1/2" If stays are fitted with nuts or riveted heads 9 nuts Working pressure by rules 107 Material of stays S Area supported by each stay 10 1/2 x 9 1/2" Working pressure by rules 100 End plates in steam space: Material S Thickness 7/8"

Pitch of stays 17 1/2" How are stays secured 9 nuts Working pressure by rules 100 Material of stays S Diameter at smallest part 3.4

Area supported by each stay 7 1/2 x 19" Working pressure by rules 103 Material of Front plates at bottom S Thickness 23/32" Material of Lower back plate S Thickness 5/8" Greatest pitch of stays 10 Working pressure of plate by rules 100 Diameter of tubes 3 1/2"

Pitch of tubes 4 3/4 x 4 3/8" Material of tube plates S Thickness: Front 23/32" Back 23/32" Mean pitch of stays 13 1/2" Pitch across wide water spaces 13 1/2" Working pressures by rules 102 Girders to Chamber tops: Material S Depth and thickness of girder at centre 7 x 1 1/4" Length as per rule 25 3/4" Distance apart 11 1/2" Number and pitch of Stays in each Two at 8 1/2"

Working pressure by rules 118 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 _____

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 _____

Wm. Gordon & Co. Glasgow The foregoing is a correct description, FOR LINDSAY BURNETT & CO. Manufacturers

Dates of Survey while building: During progress of work in shops - 1906: Aug 31, Sep 28, Oct 15, 24, 29, Nov 3, 10, Dec 6, 14, 19

During erection on board vessel - _____ Total No. of visits 10

Is the approved plan of main boiler forwarded herewith _____ " " " donkey " " _____

W613-0156

If not, state whether, and when, one will be sent? No. To a Report also sent on the Hull of the Ship.



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

This Boiler has been made under survey in accordance with the approved plan & the Requirements of the Rules. The workmanship is good.

(The following table contains faint, mirrored text from the reverse side of the page, including technical specifications and measurements.)

Certificate (if required) to be sent to the Registrar of Shipping (The Registrar is requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee... £ : :
 Special ... £ 2 : 2
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :

When applied for:
 24 DEC 1906
 When received:
 10/21 1907

Wm Gordon Muir
 Engineer, Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute Glasgow 24 DEC 1906

Assigned Deferred for completion



© 2020
 Lloyd's Register
 Foundation