

REPORT ON BOILERS.

No. 70577

Port of *London*

Received at London Office

8/4/08

No. in Survey held at *London*
Reg. Book.

Date, first Survey

Dec 5

Last Survey

*Mar 19 1908*on the *Steel Boiler**No 51 for s/s La Mouette*
1907(Number of Visits *22*)Tons { Gross ☒
Net ☒Master ☒ Built at ☒ By whom built ☒ When built ☒Engines made at ☒ By whom made ☒ when made ☒Boilers made at *Millwall* By whom made *Hodge & Sons Ltd* when made *1908*Registered Horse Power ☒ Owners ☒ Port belonging to ☒MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *J. Spencer & Sons Ltd*(Letter for record *(S)*) Total Heating Surface of Boilers *780 sq ft* Is forced draft fitted ☒ No. and Description ofBoilers *one cyl. Mult. Single End* Working Pressure *130 lbs* Tested by hydraulic pressure to *260 lbs* Date of test *19.3.08*No. of Certificate *784* Can each boiler be worked separately ☒ Area of fire grate in each boiler *30.5 sq ft* No. and Description ofsafety 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 *108"* Length *10'-0"*Material of shell plates *Steel* Thickness *3 3/4"* Range of tensile strength *28/32* Are the shell plates welded or flanged ☒Descrip. of riveting: cir. seams *lap double* long. seams *2 as triple* Diameter of rivet holes in long. seams *1 3/8"* Pitch of rivets *4 7/8"*Lap of plates or width of butt straps *13" x 3 3/4"* Per centages of strength of longitudinal joint rivets *104.2%* Working pressure of shell byrules *131.5 lbs* Size of manhole in shell *12" x 16"* Size of compensating ring *1/2" doubling* No. and Description of Furnaces in eachboiler *two plain* Material *Steel* Outside diameter *34 1/2"* Length of plain part top *6'-4"* Thickness of plates crown *19"*Description of longitudinal joint *weld* No. of strengthening rings ☒ Working pressure of furnace by the rules *131.8 lbs* Combustion chamberplates: Material *Steel* Thickness: Sides *9 1/8"* Back *9 1/8"* Top *9 1/8"* Bottom *13"* Pitch of stays to ditto: Sides *9 1/4" x 8"* Back *9 1/4" x 8 3/4"*Top *9" x 8"* If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *135 lbs* Material of stays *Steel* Diameter atsmallest part *1.45"* Area supported by each stay *81"* Working pressure by rules *143 lbs* End plates in steam space: Material *Steel* Thickness *2 7/8"*Pitch of stays *15 1/2" x 15 1/2"* How are stays secured *double nuts & washers* Working pressure by rules *140 lbs* Material of stays *Steel* Diameter at smallest part *3.73"*Area supported by each stay *240.25* Working pressure by rules *155 lbs* Material of Front plates at bottom *Steel* Thickness *2 7/8"* Material ofLower back plate *Steel* Thickness *2 7/8"* Greatest pitch of stays *13"* Working pressure of plate by rules *145 lbs* Diameter of tubes *3"*Pitch of tubes *4 1/4" x 4 1/4"* Material of tube plates *Steel* Thickness: Front *2 7/8"* Back *5"* Mean pitch of stays *9.5"* Pitch across widewater spaces *13"* Working pressures by rules *151 lbs* Girders to Chamber tops: Material *Steel* Depth and thickness ofgirder at centre *6 1/2"* Plates *3 1/4"* Length as per rule *27"* Distance apart *9"* Number and pitch of Stays in each *two 18"*Working pressure by rules *146 lbs* Superheater or Steam chest: how connected to boiler *flanged & riveted* Can the superheater be shut off and the boiler workedseparately ☒ Diameter *30"* Length *2'-0"* Thickness of shell plates *1 5/8"* Material *Steel* Description of longitudinal joint *laps* Diam. of rivetholes *1 3/8"* Pitch of rivets *2"* Working pressure of shell by rules *176 lbs* Diameter of flue ☒ Material of flue plates ☒ Thickness ☒If stiffened with rings ☒ Distance between rings ☒ Working pressure by rules ☒ End plates: Thickness *3/4"* How stayed *flanged & riveted*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

The foregoing is a correct description

JAMES HODGE & SONS, LTD.

J. M. Hodge Manufacturer.

Dates of Survey while building { During progress of work in shops - - } *07 Dec 5 10 16 24 27 Jan 8 10 11 14 17 23 Feb 6 12 19*
 { During erection on board vessel - - } *Mar 5 7 11 17 19*
 Total No. of visits *22*

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

Lloyd's Register

Foundation

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

This boiler has been constructed under special survey & in accordance with the approved plan, the material has been tested & the workmanship is good - it has on completion been tested by hydraulic pressure to 260 lbs per sq inch & found tight & sound, for identification it has been stamped as follows

N^o 784
Lloyd's test
260 lbs
19.3.08 J.E.M

Constructed to the order of Mess^{rs} Crabtree & Co^{ys} of Jarmouth & ~~was~~ intended for classification.

Sent to Jarmouth to be fitted in board the s/s La Mouette Warren of Little Holland s/s 9th 04

Certificate (if required) to be sent to:

The amount of Entry Fee...	£	:	:	When applied for,
Special = 1/3 of 2.0.0	£	2	13 4	8/4 19.08
Donkey Boiler Fee ...	£	:	:	When received,
Travelling Expenses (if any) £				10.4 19.08

Committee's Minute

TUES. 12 MAY 1906

Assigned

See Minute

on attached report

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

J.D. Millon



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Foundation