

REPORT ON BOILERS.

No. 70577

Port of London

Received at London Office

8/4/08

No. in Survey held at London Date, first Survey Dec 5 Last Survey Mar 19 1908

Reg. Book. on the Steel Boiler No. 51 for S/S La Mouette (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 Is forced draft fitted ✓ No. and Description of

Boilers 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 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 108" Length 10'-0"

Material of shell plates Steel Thickness 39/64 Range of tensile strength 28/32 Are the shell plates welded or flanged ✓

Descrip. of riveting: cir. seams lap double long. seams was triple Diameter of rivet holes in long. seams 13/16 Pitch of rivets 4 7/8"

Lap of plates or width of butt straps 13" x 39/64 Per centages of strength of longitudinal joint rivets 104.2% Working pressure of shell by

rules 131.5 lbs Size of manhole in shell 12" x 16" Size of compensating ring 1/2" doubling No. and Description of Furnaces in each

boiler two plain Material Steel Outside diameter 34 1/2" Length of plain part 6'-4" Thickness of plates crown 19" bottom 32"

Description of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules 131.8 lbs Combustion chamber

plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 13/16" Pitch of stays to ditto: Sides 9/4 x 8" Back 9/4 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 at

smallest part 1.45" Area supported by each stay 81" Working pressure by rules 143 lbs End plates in steam space: Material Steel Thickness 27"

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 27" Material of

Lower back plate Steel Thickness 27/32" Greatest pitch of stays 13" Working pressure of plate by rules 145 lbs Diameter of tubes stay 3"

Pitch of tubes 4 1/4" x 4 1/4" Material of tube plates Steel Thickness: Front 27/32" Back 5/8" Mean pitch of stays 9.5" Pitch across wide

water spaces 13" Working pressures by rules 151 lbs Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 6 1/2" plates 3/4" 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 worked

separately ✓ Diameter 30" Length 2'-0" Thickness of shell plates 15/32" Material Steel Description of longitudinal joint laps Diam. of rivet

holes 13/16" 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 Plates 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

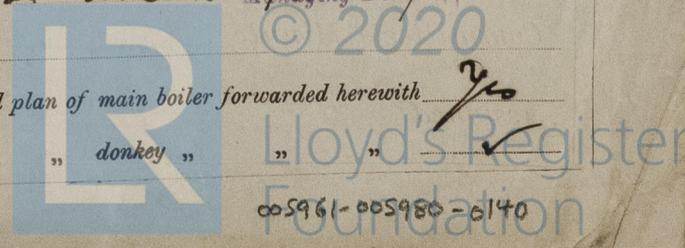
Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown

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

Thickness of water tubes

The foregoing is a correct description,
FARQUHAR HODGE & SONS, LTD.
W. 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 Making Director,
{ 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 " " ✓



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

No 784
 Lloyd's test
 260 lbs
 19.3.08 J.E.M

Constructed to the order of Messrs Crabtree & Co Ltd of Jarmouth & intended for classification.

Sent to Jarmouth to be fitted on board the s/s La Mouette Warren of Little Holland s/s 9^o 64

Certificate (if required) to be sent to

The amount of Entry Fee... £	:	:	When applied for,
Special = 1/3.7.18.0.0 £	2	13 4	8/4 19.08
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £	:	:	10.4 19.08

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

J.D. Milton

Committee's Minute

TUES. 12 MAY 1906

Assigned

see minute

on attached report



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 Foundation