

YACHT.

REPORT ON BOILERS.

10522

No. ~~30242~~

WED. 14 JUN 1911

pt. 5a.

Received at London Office

Date of writing Report

When handed in at Local Office

10/6/11 Port of Glasgow

No. in Reg. Book

Survey held at Clydebank

Date, First Survey

1st Dec 10

Last Survey

1st June 1911

Description of Safety

on the Steel Twin Screw Steam Yacht Jeannette

(Number of Visits)

Gross 921
Net 290

Master

J Newton Caws

Built at

Clydebank

By whom built

J. Brown & Co Ltd

When built 1911

Engines made at

Clydebank

By whom made

J Brown & Co Ltd

when made 1911

Boilers made at

do

By whom made

do

when made 1911

Registered Horse Power

Owners

H Livesey

Port belonging to

Glasgow

MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel D Colville Sons

(Letter for record S) Total Heating Surface of Boilers 1229 sq ft Is forced draft fitted yes No. and Description of Boilers one single ended Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 16-2-11

No. of Certificate 10804 Can each boiler be worked separately yes Area of fire grate in each boiler 45 sq ft No. and Description of safety valves to each boiler 2 spring loaded Area of each valve 8.29 sq in Pressure to which they are adjusted 185 lbs

Are they fitted with easing gear yes 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 9 in Mean dia. of boilers 12-0 Length 10-0

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

Descrip. of riveting: cir. seams DR lap long. seams DBS TR Diameter of rivet holes in long. seams 17/16 Pitch of rivets 7/8

Lap of plates or width of butt straps 15 7/8 Per centages of strength of longitudinal joint rivets 87.2 Working pressure of shell by rules 184 Size of manhole in shell 21 x 17 Size of compensating ring 38 x 30 flanged No. and Description of Furnaces in each boiler 2 Morrison Material steel Outside diameter 48 3/8 Length of plain part top Thickness of plates crown 9 bottom 16

Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 183 Combustion chamber plates: Material steel Thickness: Sides 19/32 Back 5/8 Top 19/32 Bottom 3/4 Pitch of stays to ditto: Sides 8 1/4 x 8 Back 8 1/2 x 8 1/4

Top 8 3/4 x 7 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 180 Material of stays steel Diameter at smallest part 1 5/8 Area supported by each stay 68 Working pressure by rules 190 End plates in steam space: Material steel Thickness 17/16

Pitch of stays 17 x 16 3/8 How are stays secured IN Working pressure by rules 184 Material of stays steel Diameter at smallest part 4 9/16

Area supported by each stay 273 Working pressure by rules 187 Material of Front plates at bottom steel Thickness 25/32 Material of Lower back plate steel Thickness 3/4 Greatest pitch of stays 14 doubled Working pressure of plate by rules 190 Diameter of tubes 3

Pitch of tubes 4 1/4 x 4 1/4 Material of tube plates steel Thickness: Front 25/32 Back 3/4 Mean pitch of stays 10 5/8 Pitch across wide water spaces 14 doubled Working pressures by rules 194 Girders to Chamber tops: Material steel Depth and thickness of girder at centre 2 plates 6 5/8 x 3/4 Length as per rule 2-1 Distance apart 8 3/4 Number and pitch of Stays in each 2 of 7 1/2

Working pressure by rules 184 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

The foregoing is a correct description,

FOR JOHN BROWN & CO. LIMITED Manufacturers

Dates of Survey: During progress of work in shops - - - See Machinery rpt. During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith yes Assistant Secretary

Total No. of visits

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

See report on Machinery.

Survey Fee ... £ : : When applied for, 19 Travelling Expenses (if any) £ : : When received, 19

Glasgow 13 JUN. 1911

Committee's Minute

Assigned See minute on Machinery report.

Harry Clarke Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



Lloyd's Register Foundation

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