

# YACHT.

## REPORT ON BOILERS.

Rpt. 5.

No. 22982

4868

WED. 9 MAY 1906

Port of Glasgow Received at London Office

No. in Survey held at Banhead

Date, first Survey 19 Jan'y Last Survey 26 April 06

Reg. Book.

3477°136

Blk. No. 2043

(Number of Visits 10)

on the

Master

Built at

By whom built Day Summers & Co. N°136

When built 1906

Engines made at

By whom made

when made

Boilers made at

By whom made

when made

Registered Horse Power

Owners

Port belonging to

### MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record) Total Heating Surface of Boilers Is forced draft fitted No. and Description of Boilers Working Pressure Tested by hydraulic pressure to Date of test

No. of Certificate 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 Length

Material of shell plates Thickness Range of tensile strength Are the shell plates welded or flanged

Descrip. of riveting: cir. seams long. seams Diameter of rivet holes in long. seams Pitch of rivets

Lap of plates or width of butt straps Per centages of strength of longitudinal joint Working pressure of shell by rules

Size of manhole in shell Size of compensating ring No. and Description of Furnaces in each boiler

Material Outside diameter Length of plain part Thickness of plates

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

plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back

Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Diameter at smallest part

Pitch of stays How are stays secured Working pressure by rules Material of stays Diameter at smallest part

Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of girder at centre Length as per rule Distance apart Number and pitch of Stays in each

Working pressure by rules Superheater or Steam chest; how connected to boiler 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. 1 Description Vertical Boiler Patent Manufacturers of steel D. Colville

Made at Banhead By whom made John Cochran When made 1906 Where fixed Working pressure 90

tested by hydraulic pressure to 180 Date of test 26/4/06 No. of Certificate 8016 Fire grate area 14 1/2 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 5'-0" Length 11'-6" Material of shell plates Steel Thickness 3/32" Range of tensile strength 27/32 Descrip. of riveting long. seams Lap double Dia. of rivet holes 13/16" Whether punched or drilled Drilled Pitch of rivets 2 3/4"

Lap of plating 4 1/8" Per centage of strength of joint Rivets 75 Working pressure of shell by rules 108 lbs Thickness of shell crown plates 9/16"

Radius of do. 5 No. of Stays to do. None Dia. of stays Diameter of furnace Top 30" Bottom 57" Length of furnace 2'-1 1/2"

Thickness of furnace plates 7/16" Description of joint Welded Working pressure of furnace by rules 90 lbs Thickness of furnace crown plates 1/2" Radius of do. 3" Stayed by disk Diameter of uptake Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description, John Cochran Manufacturer.

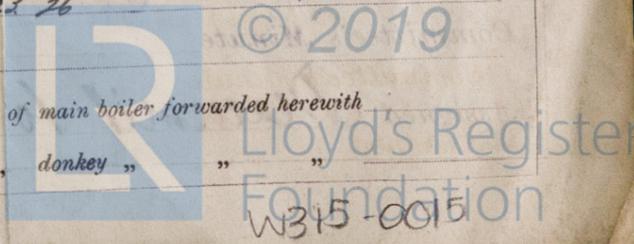
Dates of Survey while building

During progress of work in shops -- 1906. Jan 19. Feb 1. 5. 15.

During erection on board vessel -- Mar 10. 14. 16. Apr. 5. 23. 26.

Total No. of visits 10

Is the approved plan of main boiler forwarded herewith



If not, state whether, and when, one will be sent? Is a Report also sent on the Hull of the Ship?

fety

1906

16

122

0,21

29 Feb

11

caddy

2 June

REM.

REM.

06

09

ing.

