

## YACHT.

## REPORT ON BOILERS.

Rpt. 5.

No. 22982

WED. 9 MAY 1906

Port of Glasgow Received at London Office  
 No. in Survey held at Barhead Date, first Survey 19 Jan'y Last Survey 26 April 1906  
 Reg. Book. 34 N° 136 Blk. No. 2043 (Number of Visits 10)  
 on the Day Summers No 136 When built 1906  
 Master By whom built  
 Engines made at By whom made  
 Boilers made at By whom 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 top Thickness of plates crown  
 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 Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness  
 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. Colvill  
 Made at Barhead 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 donkey Dia. of rivet holes 13/16" Whether punched or drilled Drilled Pitch of rivets 2 3/4"  
 Lap of plating 4 5/8" 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 disht Diameter of uptake Thickness of uptake plates  
 Thickness of water tubes

The foregoing is a correct description,

John Cochran Manufacturer.

Dates of Survey  
 During progress of work in shops - - -  
 During erection on board vessel - - -  
 while building  
 Total No. of visits 10

1906. Jan 19. Feb 1. 5. 15. Mar 10. 14. 16. Apr 5. 22. 26

Is the approved plan of main boiler forwarded herewith

" " " donkey " "



# REPORT ON BOILERS

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

This boiler has been built under special survey, the materials & workmanship are of good description.

This boiler is intended for a steam yacht being built by Messrs Day & Summers No. 136. and is now forwarded to Southampton.

Certificate (if required) to be sent to the Committee's Minute.

The amount of Entry Fee... £

Special ... £

Donkey Boiler Fee ... £ 2 2

Travelling Expenses (if any) £

When applied for.

8 MAY 1906

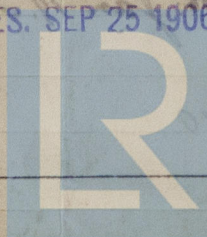
When received.

8 MAY 1906

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

Committee's Minute

Assigned Transmit to London.



© 2019

Lloyd's Register Foundation