

REPORT ON BOILERS.

No. 18586

Port of Hull

Received at London Office

FRI. DEC 28 1906

No. in Survey held at Hull

Date, first Survey April 9th

Last Survey 27th Dec 1906

5 Tonnage on the Steel S.S. Lebu

(Number of Visits)

Tons } Gross
 } Net

Master Built at Hull By whom built Messrs Charles G. Ld When built 1906

Engines made at Hull By whom made Messrs Charles G. Ld when made 1906

Boilers made at Hull By whom made Messrs Charles G. Ld when made 1906

Registered Horse Power 270 Owners Compania Sud-Americana de Vapor Port belonging to Valparaiso

MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel Kaiser Berg Works, and Hütten Verein, Essen, Germany

Letter for record 8 Total Heating Surface of Boilers 780 Is forced draft fitted No No. and Description of

Boilers One Cyl. Multi Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 30-10-06

No. of Certificate 1521 Can each boiler be worked separately Area of fire grate in each boiler 24 sq No. and Description of

Safety valves to each boiler Two Spring Area of each valve 4.9 sq Pressure to which they are adjusted 100 lbs

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Smallest distance between boilers or uptakes and bunkers or woodwork 14 1/2" Mean dia. of boilers 11'-0" Length 8'-6"

Material of shell plates Steel Thickness 5/8" Range of tensile strength 28-32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams L.S. long. seams D.S.D.R. Diameter of rivet holes in long. seams 7/8" Pitch of rivets 3 1/2"

Gap of plates or width of butt straps 9 1/2" Per centages of strength of longitudinal joint rivets 76.16 Working pressure of shell by plate 76.6

Rules 100 lbs Size of manhole in shell 16" x 12" Size of compensating ring 30" x 28" x 5/8" No. and Description of Furnaces in each

Boiler Two plain Material Steel Outside diameter 3'-3 1/2" Length of plain part 5'-0" Thickness of plates crown 9/16" bottom 7/16"

Description of longitudinal joint Welded No. of strengthening rings 0 Working pressure of furnace by the rules 138 lbs Combustion chamber

Plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 10'-4 1/2" Back 11'-4 1/2"

Top 11'-8 1/2" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 103 lbs Material of stays Steel Diameter at

Smallest part 1 3/8" x 1 1/2" Area supported by each stay 104 sq Working pressure by rules 113 lbs End plates in steam space: Material Steel Thickness 3/4"

Pitch of stays 16" x 15" How are stays secured D. Nuts Working pressure by rules 104 lbs Material of stays Steel Diameter at smallest part 2.65 sq

Area supported by each stay 240 sq Working pressure by rules 110 lbs Material of Front plates at bottom Steel Thickness 23/32" Material of

Lower back plate Steel Thickness 23/32" Greatest pitch of stays 14" Working pressure of plate by rules 124 lbs Diameter of tubes 3 1/2"

Pitch of tubes 4 1/4" x 4 1/8" Material of tube plates Steel Thickness: Front 23/32" Back 23/32" Mean pitch of stays 9 5/8" Pitch across wide

Water spaces 13 1/2" Working pressures by rules 101 lbs Girders to Chamber tops: Material Steel Depth and thickness of

Order at centre 6 1/2" x 1 1/2" Length as per rule 2'-0 1/2" Distance apart 11" Number and pitch of Stays in each Two 8 1/2"

Working pressure by rules 142 lbs 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

Plates Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

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

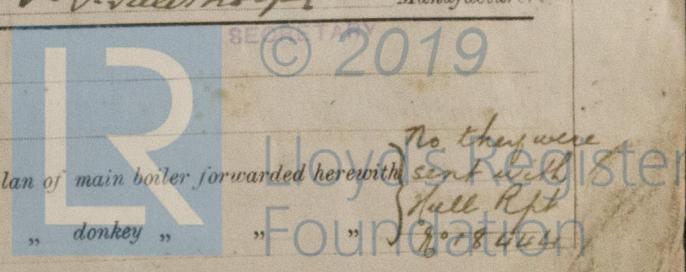
VERTICAL DONKEY BOILER		No.	Description	Manufacturers of steel	
Made at	By whom made		When made	Where fixed	Working pressure
Tested by hydraulic pressure to	Date of test	No. of Certificate	Fire grate area	Description of safety valves	
No. of safety valves	Area of each	Pressure to which they are adjusted	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	
Gap 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,

F. J. Dalshopp Manufacturer.

Dates Survey while building { During progress of work in shops - - }
{ During erection on board vessel - - - }
Total No. of visits See First Entry Report

Is the approved plan of main boiler forwarded herewith sent with Hull Rpt
" " " donkey " " 2018444



GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This boiler has been built under special survey in accordance with the Rules. The materials and workmanship are good, it was tested by hydraulic pressure, placed on board, and tested under steam and found satisfactory. It is eligible in my opinion for record in Register Book, as per other part of Report.

Skill

Certificate (if required) to be sent to

The amount of Entry Fee...	£	:	:	When applied for.
Special ...	£	:	:	19
Donkey Boiler Fee ...	£	:	:	When received.
Travelling Expenses (if any) £		:	:	19

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

Committee's Minute

TUES. JAN 1 1907

Assigned



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 Foundation

The Surveys are required not to write on or below the space for Committee's Minute.