

REPORT ON BOILERS.

No. 13234

Port of West Hantspool

Received at London Office **FRI. APR 26 1907**

No. in Survey held at West Hantspool
Reg. Book.

Date, first Survey 5th Dec, 1906 Last Survey 4th April, 1907

(Number of Visits 31)

Tons Gross 3695.05
Net 2391.78

bluff on the Steel Steamer "Georg Serényi Béla"
Master W. Reay Built at W. Hantspool By whom built W. Reay & Co When built 1907

Engines made at West Hantspool By whom made Central Marine & Wks when made 1907

Boilers made at West Hantspool By whom made Central Marine & Wks when made 1907

Registered Horse Power _____ Owners Atlantica Tengerhajózási Részvény Társaság Port belonging to Fiume

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Coburn & Son

(Letter for record S) Total Heating Surface of Boilers 13254 sq ft Is forced draft fitted no No. and Description of

Boilers One single Ended Working Pressure 120 lb Tested by hydraulic pressure to 240 lb Date of test 8/3/07

No. of Certificate 3098 Can each boiler be worked separately ✓ Area of fire grate in each boiler 34.7 sq ft No. and Description of

safety valves to each boiler Two Spring Area of each valve 7.07 sq in Pressure to which they are adjusted 125 lb

Are they fitted with easing gear no 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 ✓ Mean dia. of boilers 12.6 Length 10.0

Material of shell plates Steel Thickness 27/32 Range of tensile strength 27 Are the shell plates welded or flanged both

Descrip. of riveting: cir. seams ✓ long. seams all chip all Diameter of rivet holes in long. seams 1/8 Pitch of rivets 4 9/16

Lap of plates or width of butt straps 1 1/2 Per centages of strength of longitudinal joint 77 7/8 Working pressure of shell by

rules 121 lb Size of manhole in shell 16 x 12 Size of compensating ring 32 x 28 x 1 No. and Description of Furnaces in each

boiler Two Plain Material Steel Outside diameter 43 Length of plain part 5.11 Thickness of plates 19/32

Description of longitudinal joint beaded No. of strengthening rings ✓ Working pressure of furnace by the rules 125 lb Combustion chamber

plates: Material Steel Thickness: Sides 17/32 Back 17/32 Top 17/32 Bottom 11/16 Pitch of stays to ditto: Sides 8 7/16 x 8 Back 8 7/16 x 8

Top 8 7/16 x 8 If stays are fitted with nuts or riveted heads both Working pressure by rules 121 lb Material of stays Steel Diameter at

smallest part 1 1/4 Area supported by each stay 8 7/16 x 8 Working pressure by rules 138 lb End plates in steam space: Material Steel Thickness 15/16

Pitch of stays 17 1/2 How are stays secured all nut Working pressure by rules 127 lb Material of stays Steel Diameter at smallest part 2 9/32

Area supported by each stay 17 1/2 x 17 1/2 Working pressure by rules 138 lb Material of Front plates at bottom Steel Thickness 14/16 Material of

Lower back plate Steel Thickness 12/16 Greatest pitch of stays 1 1/4 Working pressure of plate by rules 120 lb Diameter of tubes 3 1/4

Pitch of tubes 4 1/2 Material of tube plates Steel Thickness: Front 12/16 Back 12/16 Mean pitch of stays 13 1/2 x 9 Pitch across wide

water spaces 1 1/4 Working pressures by rules 124 lb Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 7 1/2 x 1 1/4 Length as per rule 20 Distance apart 8 Number and pitch of Stays in each two 8 7/16

Working pressure by rules 138 lb 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. _____ Description _____ Manufacturers of steel _____

Made at _____ By whom made _____ When made _____ Where fixed _____

Working pressure _____ tested by hydraulic pressure to _____ 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 _____ 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 _____ Stayed by _____ Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____

The foregoing is a correct description,

John B. Williams Manufacturer.

Dates of Survey while building: During progress of work in shops - 1906. Dec. 5, 10, 12, 14, 19, 21, 1907. Jan. 9, 10, 11, 16, 16, 23, 24, 25, 29, 30, 31 Feb. 1, 4, 7, 11, 14, 15, 20, 22, 25, 27, Mar. 1, 8, 22, Apr.

During erection on board vessel - _____ Total No. of visits 31

Is the approved plan of main boiler forwarded herewith

“ donkey ”

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

This Donkey Boiler has been constructed under special survey and in accordance with the approved Trade Rules. Fed by hydraulic pressure to 240 lbs per square inch and found tight and sound. It has now been efficiently fitted on board.

Note

This case is similar in all respects to Donkey Boiler R 153 + R 154 as per West Ham Report No 136 + 13217 dated 23/3/07 + 27/3/07 respectively S. S. Aglenczy's Magyarozag.

The Steam pipe arrangement has been so fitted to this Donkey Boiler that steam can be used to work the main engines in harbour independently of the main boilers.

It is submitted that this vessel is eligible for THE RECORD + L.M.C. 4.07. Electric Light

JRR

26/4/07

J.S.
26.4.07

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	:	:	When applied for.
Special	£	:	:	25.4.1907
Donkey Boiler Fee ...	£	d	d	When received.
Travelling Expenses (if any) £	:	:	:	26/4/07

J. S. Jones
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

TUES. APR 30 1907

Committee's Minute

Assigned

J. S. Jones on attached report



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