

Rpt. 5.

REPORT ON BOILERS.

No. 13234

Port of West Hantsport

Received at London Office

FRI. APR. 26 1907

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

Date, first Survey 5th Dec, 1906 Last Survey 1st April, 1907

(Number of Visits 31)

Gross 3695.05
Net 2391.78
Tons

Master W. Reay Built at W. Hantsport By whom built W. Reay & Co.

When built 1907

Engines made at West Hantsport By whom made Central Marine & Wk when made 1907

Boilers made at West Hantsport By whom made Central Marine & Wk when made 1907

Registered Horse Power Owners Atlantic Tengerhajónadi Resvény Társaság Port belonging to Greece

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 h 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 5098 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 1 in opening Area of each valve 7.07 sq in Pressure to which they are adjusted 125 lb

Are they fitted with easing gear h In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler h

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 h

Descrip. of riveting: cir. seams h long. seams double strap, double riveted Diameter of rivet holes in long. seams 1/8" Pitch of rivets 4 9/16"

Lap of plates or width of butt straps 11 1/2" Per centages of strength of longitudinal joint 77 1/2% Working pressure of shell by

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

boiler 1 in plain Material Steel Outside diameter 43" Length of plain part 5' 11" Thickness of plates 19/32"

Description of longitudinal joint h No. of strengthening rings h 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" Back 8 7/16"

Top 8 7/16" If stays are fitted with nuts or riveted heads h 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" 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 29/32"

Area supported by each stay 17 1/4" 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" 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 h 8 7/16"

Working pressure by rules 138 lb Superheater or Steam chest: how connected to boiler h Can the superheater be shut off and the boiler worked

separately h Diameter h Length h Thickness of shell plates h Material h Description of longitudinal joint h Diam. of rivet

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

If stiffened with rings h Distance between rings h Working pressure by rules h End plates: Thickness h How stayed h

Working pressure of end plates h Area of safety valves to superheater h Are they fitted with easing gear h

VERTICAL DONKEY BOILER—No. h Description h Manufacturers of steel h

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

Working pressure h tested by hydraulic pressure to h No. of Certificate h Fire grate area h Description of safety valves h

No. of safety valves h Area of each h Pressure to which they are adjusted h If fitted with easing gear h If steam from main boilers can

enter the donkey boiler h Dia. of donkey boiler h Length h Material of shell plates h Thickness h Range of tensile

strength h Descrip. of riveting long. seams h Dia. of rivet holes h Whether punched or drilled h Pitch of rivets h

Lap of plating h Per centage of strength of joint h Rivets h Working pressure of shell by rules h Thickness of shell crown plates h

Radius of do. h No. of Stays to do. h Dia. of stays h Diameter of furnace Top h Bottom h Length of furnace h

Thickness of furnace plates h Description of joint h Working pressure of furnace by rules h Thickness of furnace crown

plates h Stayed by h Diameter of uptake h Thickness of uptake plates h Thickness of water tubes h

The foregoing is a correct description,

John B. Williams Manufacturer.

Dates of Survey while building { During progress of work in shops - h
During erection on board vessel - h
Total No. of visits 31

Is the approved plan of main boiler forwarded herewith

" donkey "

Lloyd's Register Foundation

W1265-0181

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 Photo Print. 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 R153 & R154 as per West Hartlepool Report No 13215 & 13217 dated 23/1/07 & 27/1/07 respectively S. S. Aglonyi'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. + LMC 4.07. Electric Light*
JRR

26/4/07
H.S.
26.4.07

Certificate (if required) to be sent to

The amount of Entry Fee...	£	:	:	When applied for,
Special	£	:	:	25.4.1907
Donkey Boiler Fee ...	£	2	2	When received,
Travelling Expenses (if any) £	:	:	:	26/4/07

TUES. APR 30 1907

Committee's Minute

Assigned

See minute on attached report

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



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