

Attached to Baltimore Report No 2055
REPORT ON BOILERS. No. 13298

Rpt. 5.

Received at London Office

Date of writing Report

191

When handed in at Local Office

191

Port of New York

No. in

Survey held at

Red Bank, N. J.

Date, First Survey

22 September

Last Survey

10 October 1916

Reg. No.

4

Supp. on the

Donkey Boiler for Motor Vessel "Holden Evans"

Number of Visits

76

Gross 3253

Net 2025

Master W. Habel

Built at

Baltimore

By whom built

Baltimore B. & S. B. Co.

When built 1917

Engines made at

Stockholm

By whom made

J. & C. G. Bolander & Co.

When made 1916

Boilers made at

Red Bank N. J.

By whom made

The Roberts Boiler Co.

When made 1916

Registered Horse Power

Owners

Continental Transportation & Oil Co.

Port belonging to Wilmington Del.

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

(Letter for record a) Total Heating Surface of Boilers 850 # Is forced draft fitted No. No. and Description of

Boilers One Water Tube Working Pressure 250 lb. Tested by hydraulic pressure to 400 lb. Date of test 10.10.16

No. of Certificate 17 Can each boiler be worked separately Yes Area of fire grate in each boiler 29 # No. and Description of

safety valves to each boiler One Spring loaded Area of each valve 7.07 sq. Pressure to which they are adjusted 150 lb.

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 Mean dia. of boiler 24" Length 77"

Material of shell plates Steel Thickness 1/2" Range of tensile strength 28-32 Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams Single long. seams Double Diameter of rivet holes in long. seams 7/8" Pitch of rivets 2.85"

Lap of plates on width of butt straps 4 1/4" Per centages of strength of longitudinal joint rivets 69.4 plate 72 Working pressure of shell by

rules 335 lb. Size of hole in shell 7" Size of compensating ring No. and Description of Furnaces in each

boiler Material Outside diameter Length of plain part top bottom Thickness of plates crown bottom

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 Steel Thickness 5/8"

Pitch of stays 6" How are stays secured Riveted Working pressure by rules 278 lb. Material of stays Iron Diameter at smallest part 1 3/8"

Area supported by each stay 36 sq. Working pressure by rules 250 lb. 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

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

This Boiler has been constructed under Special Power. The material and workmanship are good. The Boiler was tested in completion to 100 lbs per sq. in. by water pressure.

It has now been sent to Baltimore to be fitted on board.

This Boiler has now been installed and tried under steam and safety Valves adjusted to 150 lbs.

This Report is attached to Baltimore Report No. 2055.

H. A. Stewart

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	£		19
Donkey Boiler Fee	\$ 25 00		When received.
Travelling Expenses (if any) £	3 75		19

Committee's Minute

New York MAR 22 1917

Assigned

See J.E. on Mch

R. Salmon & H. A. Stewart
Engineer Surveyors to Lloyd's Register of British & Foreign Shipping



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Lloyd's Register
Foundation