

# REPORT ON BOILERS.

No. 84

REC'D NEW YORK

April 16, 1917

Received at London Office

CLEVELAND, OHIO.

t. 5.

of writing Report 26 March 1917. When handed in at Local Office

Port of

Survey held at *Law Albany, (Ind.)*

Date, First Survey 15 July 1917 Last Survey 16 March 1917

on the

Engines made at

Built at

By whom built

When built

Boilers made at

By whom made

When made

Registered Horse Power

Owners

When made 1917. 3.

Port belonging to

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

Total Heating Surface of Boilers Is forced draft fitted No. and Description of

Working Pressure Tested by hydraulic pressure to Date of test

Can each boiler be worked separately Area of fire grate in each boiler No. and Description of

Area of each valve Pressure to which they are adjusted

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Mean dia. of boilers Length

Are the shell plates welded or flanged

Diameter of rivet holes in long. seams Pitch of rivets

Working pressure of shell by

No. and Description of Furnaces in each

Material Outside diameter Length of plain part Thickness of plates

Working pressure of furnace by the rules Combustion chamber

Pitch of stays to ditto: Sides Back

Working pressure by rules Material of stays Diameter at

End plates in steam space: Material Thickness

Material of stays Diameter at smallest part

Material of Front plates at bottom Thickness Material of

Working pressure of plate by rules Diameter of tubes

Pitch across wide

Depth and thickness of

Number and pitch of stays in each

Can the superheater be shut off and the boiler worked

Description of longitudinal joint Diam. of rivet

Material of flue plates Thickness

End plates: Thickness How stayed

Area of safety valves to superheater Are they fitted with easing gear

## VERTICAL DONKEY BOILER— No. One Description Vertical Tubular Manufacturers of steel

Made at *Law Albany* By whom made *Chas Hegewald & Co* When made *1917. 3* Where fixed *on deck* Working pressure *100 lb*

tested by hydraulic pressure to *150 lb* Date of test *6. 3. 17* No. of Certificate *77* Fire grate area *18.9 sq ft* Description of safety valves *Spring loaded*

No. of safety valves *one* Area of each *4.9* Pressure to which they are adjusted *100 lb* If fitted with easing gear *Yes* If steam from main boilers can

enter the donkey boiler *Yes* Dia. of donkey boiler *5'-0"* Length *8'-5"* Material of shell plates *5* Thickness *2 1/4"* Range of tensile

strength *28/32* Descrip. of riveting long. seams *DBS/TR* Dia. of rivet holes *3/4"* Whether punched or drilled *D* Pitch of rivets *6 3/16"*

Per centage of strength of joint *87* Working pressure of shell by rules *100 lb* Thickness of shell crown plates *1/2"*

Radius of do. *Flat* No. of Stays to do. *216 TUBES ALL BRANDED* Dia. of stays *54"* Diameter of furnace Top *54"* Bottom *54"* Length of furnace *23"*

Thickness of furnace plates *3/8"* Description of joint *L.S.R.* Working pressure of furnace by rules *100 lb* Thickness of furnace crown

plates *1/2"* Radius of do. *Flat* Stayed by *Alum Tubes* Diameter of uptake *2" Ext.* Thickness of uptake plates *3" x 3"*

Thickness of water tubes *.095"*

The foregoing is a correct description,

CHAS HEGEWALD CO. Manufacturer

Dates of Survey while building: During progress of work in shops -- 1917. Feb 15, 27, Mar 16. During erection on board vessel --- Total No. of visits 3.

Is the approved plan of main boiler forwarded herewith



0010-429M

GENERAL REMARKS

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

This Boiler has been constructed under Special Survey. The materials and workmanship employed in its manufacture, so far as can be seen, are sound and good and found satisfactory under test.

W. Law

Boiler now satisfactorily fitted on board and safety valve adjusted under plans  
John. S. Gardiner

It is submitted that  
this vessel is eligible for  
THE RECORD. + D.B. 100 lbs.

3-17-19  
JWD  
JWD  
16/1/19

Certificate (if required) to be sent to  
to write on or below the space or Committee's Minute.

The amount of Entry Fee .. £ ✓ :	:	When applied for,
Special .. .. £ - :	:	SEP 10 1918
Donkey Boiler Fee .. .. \$ 25 : 00 :	:	When received,
Travelling Expenses (if any) \$ 48 : 57 :	:	29/11/18

W. Law

John. S. Gardiner  
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute New York SEP 17 1918  
+ D.B. - 100 lbs.



Lloyd's Register  
Foundation