

Rpt. 5.

REPORT ON BOILERS.

No. 4186

Port of Philadelphia Pa

Received at London Office JUL 12 1921

No. in
Reg. Book.

Survey held at

E. Stoussburg Pa

Date, first Survey

Dec 3rd 1920

Last Survey

Dec 27th 1920

(Number of Visits 3)

on the

New SS PUENTE

Tons

Gross 6816.79
Net 4245

Master

Not appointed

Built at

Chester Pa

By whom built

Merchants Ship Bldg Co

When built

1921

Engines made at

Camden N.J.

By whom made

New York Shipbuilding Corp

when made

1920

Boilers made at

Chester Pa

By whom made

New York Shipbuilding Co

when made

1920

Registered Horse Power

Owners

Union Oil Company

Port belonging to

New York

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

(Letter for record

Total Heating Surface of Boilers

Is forced draft fitted

No. and Description of

Boilers

Working Pressure

Tested by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

safety valves to each boiler

Area of each valve

Pressure to which they are adjusted

Are they fitted with easing gear

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

Smallest distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers

Length

Material of shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

Descrip. of riveting: cir. seams

long. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Lap of plates or width of butt straps

Per centages of strength of longitudinal joint

rivets

Working pressure of shell by

rules

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each

boiler

Material

Outside diameter

Length of plain part

Thickness of plates

crown

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

Thickness

Pitch of stays

How are stays secured

Working pressure by rules

Material of stays

Diameter at smallest part

Area supported by each stay

Working pressure by rules

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

VERTICAL DONKEY BOILER—

No. 02494

Description Vertical Tubular

Manufacturers of steel Union Steel & Castings Co

Made at

E. Stoussburg Pa

By whom made

International Boiler Works Co

When made

1920

Where fixed

Fire room

Working pressure

110

tested by hydraulic pressure to

220

No. of Certificate

502

Fire grate area

9.62

Description of safety valves

1 Spring loaded

No. of safety valves

1

Area of each

3.1416

Pressure to which they are adjusted

110

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

No

Dia. of donkey boiler

48"

Length

8' 0"

Material of shell plates

Steel

Thickness

3/8"

Range of tensile

strength

71650

Descrip. of riveting long. seams

DR Lap

Dia. of rivet holes

13/16"

Whether punched or drilled

Drilled

Pitch of rivets

2.66"

Lap of plating

1 1/8"

Per centage of strength of joint

Rivets 88.4%

Plates 69.4%

Working pressure of shell by rules

118 lb

Thickness of shell crown plates

7/16"

Radius of do.

Flat

No. of Stays to do.

Tubes

Dia. of stays

-

Diameter of furnace Top

42"

Bottom

42"

Length of furnace

30 1/2"

Thickness of furnace plates

3/8"

Description of joint

S.R. Lap

Working pressure of furnace by rules

116

Thickness of furnace crown

plates

7/16"

Stayed by

Tubes

Diameter of uptake

-

Thickness of uptake plates

-

Thickness of water tubes

-

The foregoing is a correct description,

Manufacturer.

Dates

During progress of work in shops - -

of Survey

During erection on board vessel - - -

while

building

Total No. of visits

Dec 3. 14. 27. 1920.

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

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Lloyd's Register
Foundation

002340-002351-0237

55 "PILATE" R

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

This boiler has been built under special survey & in accordance with the approved plans. The workmanship and materials are good.

This boiler has been well fitted on board and safety valve adjusted under steam pressure.

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 ...	\$	35 : 00	:	When received.
Travelling Expenses (if any)	\$	10 : 00	:	19

W. R. Kimham & J. Adamson
Engineer Surveyors to Lloyd's Register of British and Foreign Shipping

Committee's Minute **New York JUN 28 1921**

Assigned *See Phila 486*

