

## REPORT ON BOILERS.

No. 4219

Received at London Office

WED. AUG. 31 1921

Date of writing Report

When handed in at Local Office

19

Port of

Philadelphia

No. in Survey held at

Camden N.J.

Date, First Survey

Last Survey

19

Reg. Book.

(Number of Visits: 64)

Gross 5006

Net 4960

Tons

on the

New Steel S.S. Yankee Arrow

Master

J. Sandberg

Built at

Camden

By whom built

New York S.S. Corp.

When built

1921

Boilers made at

Camden

By whom made

New York S.S. Corp.

When made

1921

Owners

Standard Transportation Company

Port belonging to

New York

## VERTICAL DONKEY BOILER

No. One

Description

Multitubular

Manufacturers of steel

Lukins Steel Co.

Made at

Camden

By whom made

New York S.S. Corp.

When made

1921

Where fitted

Kilby

Working pressure

125

Tested by hydraulic pressure to

188

Date of test

12-11-21

No. of Certificate

518

Fire grate area

4.06

Description of safety valves

Spring loaded

No. of safety valves

Two

Area of each

1.49

Pressure to which they are adjusted

125 lbs

If fitted with easing gear

Yes

If steam from main boilers can

Enter the donkey boiler

No

Dia. of donkey boiler

3.634

Length

4'-0"

Material of shell plates

Steel

Thickness

3/8

Range of tensile

Length

60 in

Descrip. of riveting long. seams

D.R. lap

Dia. of rivet holes

25/32"

Whether punched or drilled

drilled

Pitch of rivets

2.58

Type of plating

3/8"

Per centage of strength of joint

Rivets 41.6

Plates 69.4

Working pressure of shell by rules

134 lbs

Thickness of shell crown plates

1/2"

Radius of do.

Flat

No. of Stays to do.

One

Dia. of stays

-

Diameter of furnace Top

3'-0"

Bottom

3'-6"

Length of furnace

2'-3 3/4"

Thickness of furnace plates

3/8"

Description of joint

lap

Working pressure of furnace by rules

134 lbs

Thickness of furnace crown

Radius of do.

Flat

Stayed by

lashed tubes

Diameter of uptake

-

Thickness of uptake plates

-

Thickness of tubes

12 AUG.

The foregoing is a correct description,

New York Ship Building Co. Manufacturer.

P.H. Young

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - -

Total No. of visits

See memo report.

Is the approved plan of boiler forwarded herewith yes.

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

This Boiler has been built under Special Survey, materials & workmanship good. Hydraulic test satisfactory. Safety valves adjusted under steam to above pressure.

Survey Fee ... £

Travelling Expenses (if any) £

When applied for, 19

When received, 19

William D. Dyer

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

Committee's Minute

New York AUG 16 1921

Assigned

See memo report Phil. 4219



Lloyd's Register Foundation

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