

REPORT ON BOILERS.

No. 2763

REC'D NEW YORK July 21-1918

Received at London Office

Date of writing Report 16-2-18 191

When handed in at Local Office 26-2-18 191

Port of Philadelphia

No. in Survey held at

Phoenixville, Pa.

Date, First Survey 30-10-14.

Last Survey 4-2-18

191

Reg. Book.

on the

Hull No. 1.

(Number of Visits 4)

Gross

Tons

Net

Master

Built at Los Angeles, Cal.

By whom built Los Angeles Shipbuilding Co.

When built

Engines made at

By whom made

When made

Boilers made at

Phoenixville, Pa.

By whom made

Heine Boiler Works.

When made 1918.

Registered Horse Power

Owners

Port belonging to

WATER TUBE.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel

Illinois Steel Co.

Letter for record

S.

Total Heating Surface of Boilers

11600 sq ft

Is forced draft fitted

Burners

No. and Description of

Boilers 4. Heine Water tube.

Working Pressure 200

Tested by hydraulic pressure to 400

Date of test 2-2-18.

No. of Certificate 166

Can each boiler be worked separately

Yes

Area of fire grate in each boiler

oil Burners

No. and Description of

Safety valves to each boiler

2-3 1/2"

Area of each valve

9.62"

Pressure to which they are adjusted

200+

Are they fitted with easing gear

Yes

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

4'-0 1/2"

Length 15'-0"

Material of shell plates

S.

Thickness

1 1/2"

Range of tensile strength

55000

Are the shell plates welded or flanged

No.

Descrip. of riveting: cir. seams

S.H.

long. seams T.R.D.B.S.

Diameter of rivet holes in long. seams

15/16"

Pitch of rivets 4.45.

Gap of plates or width of butt straps

1.16 3/4, 0.10 3/4

Per centages of strength of longitudinal joint

rivets 10-8 1/4

Working pressure of shell by

Rules 248.

Size of manhole in shell

11" x 15"

Size of compensating ring

flanged

No. and Description of Furnaces in each

Boiler

Material

Outside diameter

Length of plain part

top

Thickness of plates

crown

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

WATER LEG

Plates: Material

S

Thickness: Sides

Back

and Top

FRONT 1 1/2"

Bottom

Pitch of stays to ditto: Sides

FRONT & Back

4 5/8 x 4"

Top

If stays are fitted with nuts or riveted heads

Riveted

Working pressure by rules

330

Material of stays

S

Area at

Smallest part

1.446

Area supported by each stay

32345

Working pressure by rules

End plates in steam space: Material

S

Thickness

3/4"

Pitch of stays

How are stays secured

Pitched

Working pressure by rules

200

Material of stays

S

Area 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 3 1/2"

Pitch of tubes

5 1/2 x 5 1/2"

Material of tube plates

S

Thickness: Front

and Back

1 1/2"

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

Steam dome: description of joint to shell

% of strength of joint

Diameter

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet holes

Pitch of rivets

Working pressure of shell by rules

Crown plates

Thickness

How stayed

SUPERHEATER.

Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

Date of Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

The foregoing is a correct description,

"HEINE SAFETY BOILER CO., PHOENIXVILLE SHIP"

Manufacturer.

Dates of Survey During progress of (30-10-14, 8-11-14, 14-11-14, 22-12-14, 11-1-15, 2-2-15, 4-2-15, 15-2-15, 22-2-15, 29-2-15, 6-3-15, 13-3-15, 20-3-15, 27-3-15, 3-4-15, 10-4-15, 17-4-15, 24-4-15, 1-5-15, 8-5-15, 15-5-15, 22-5-15, 29-5-15, 5-6-15, 12-6-15, 19-6-15, 26-6-15, 3-7-15, 10-7-15, 17-7-15, 24-7-15, 31-7-15, 7-8-15, 14-8-15, 21-8-15, 28-8-15, 4-9-15, 11-9-15, 18-9-15, 25-9-15, 2-10-15, 9-10-15, 16-10-15, 23-10-15, 30-10-15, 6-11-15, 13-11-15, 20-11-15, 27-11-15, 4-12-15, 11-12-15, 18-12-15, 25-12-15, 1-1-16, 8-1-16, 15-1-16, 22-1-16, 29-1-16, 5-2-16, 12-2-16, 19-2-16, 26-2-16, 5-3-16, 12-3-16, 19-3-16, 26-3-16, 2-4-16, 9-4-16, 16-4-16, 23-4-16, 30-4-16, 7-5-16, 14-5-16, 21-5-16, 28-5-16, 4-6-16, 11-6-16, 18-6-16, 25-6-16, 2-7-16, 9-7-16, 16-7-16, 23-7-16, 30-7-16, 6-8-16, 13-8-16, 20-8-16, 27-8-16, 3-9-16, 10-9-16, 17-9-16, 24-9-16, 1-10-16, 8-10-16, 15-10-16, 22-10-16, 29-10-16, 5-11-16, 12-11-16, 19-11-16, 26-11-16, 3-12-16, 10-12-16, 17-12-16, 24-12-16, 31-12-16, 7-1-17, 14-1-17, 21-1-17, 28-1-17, 4-2-17, 11-2-17, 18-2-17, 25-2-17, 4-3-17, 11-3-17, 18-3-17, 25-3-17, 1-4-17, 8-4-17, 15-4-17, 22-4-17, 29-4-17, 6-5-17, 13-5-17, 20-5-17, 27-5-17, 3-6-17, 10-6-17, 17-6-17, 24-6-17, 1-7-17, 8-7-17, 15-7-17, 22-7-17, 29-7-17, 5-8-17, 12-8-17, 19-8-17, 26-8-17, 2-9-17, 9-9-17, 16-9-17, 23-9-17, 30-9-17, 7-10-17, 14-10-17, 21-10-17, 28-10-17, 4-11-17, 11-11-17, 18-11-17, 25-11-17, 2-12-17, 9-12-17, 16-12-17, 23-12-17, 30-12-17, 6-1-18, 13-1-18, 20-1-18, 27-1-18, 3-2-18, 10-2-18, 17-2-18, 24-2-18, 3-3-18, 10-3-18, 17-3-18, 24-3-18, 31-3-18, 7-4-18, 14-4-18, 21-4-18, 28-4-18, 5-5-18, 12-5-18, 19-5-18, 26-5-18, 2-6-18, 9-6-18, 16-6-18, 23-6-18, 30-6-18, 7-7-18, 14-7-18, 21-7-18, 28-7-18, 4-8-18, 11-8-18, 18-8-18, 25-8-18, 1-9-18, 8-9-18, 15-9-18, 22-9-18, 29-9-18, 6-10-18, 13-10-18, 20-10-18, 27-10-18, 3-11-18, 10-11-18, 17-11-18, 24-11-18, 1-12-18, 8-12-18, 15-12-18, 22-12-18, 29-12-18, 5-1-19, 12-1-19, 19-1-19, 26-1-19, 2-2-19, 9-2-19, 16-2-19, 23-2-19, 3-3-19, 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5-5-21, 12-5-21, 19-5-21, 26-5-21, 2-6-21, 9-6-21, 16-6-21, 23-6-21, 30-6-21, 7-7-21, 14-7-21, 21-7-21, 28-7-21, 4-8-21, 11-8-21, 18-8-21, 25-8-21, 1-9-21, 8-9-21, 15-9-21, 22-9-21, 29-9-21, 6-10-21, 13-10-21, 20-10-21, 27-10-21, 3-11-21, 10-11-21, 17-11-21, 24-11-21, 1-12-21, 8-12-21, 15-12-21, 22-12-21, 29-12-21, 5-1-22, 12-1-22, 19-1-22, 26-1-22, 2-2-22, 9-2-22, 16-2-22, 23-2-22, 3-3-22, 10-3-22, 17-3-22, 24-3-22, 31-3-22, 7-4-22, 14-4-22, 21-4-22, 28-4-22, 5-5-22, 12-5-22, 19-5-22, 26-5-22, 2-6-22, 9-6-22, 16-6-22, 23-6-22, 30-6-22, 7-7-22, 14-7-22, 21-7-22, 28-7-22, 4-8-22, 11-8-22, 18-8-22, 25-8-22, 1-9-22, 8-9-22, 15-9-22, 22-9-22, 29-9-22, 6-10-22, 13-10-22, 20-10-22, 27-10-22, 3-11-22, 10-11-22, 17-11-22, 24-11-22, 1-12-22, 8-12-22, 15-12-22, 22-12-22, 29-12-22, 5-1-23, 12-1-23, 19-1-23, 26-1-23, 2-2-23, 9-2-23, 16-2-23, 23-2-23, 3-3-23, 10-3-23, 17-3-23, 24-3-23, 31-3-23, 7-4-23, 14-4-23, 21-4-23, 28-4-23, 5-5-23, 12-5-23, 19-5-23, 26-5-23, 2-6-23, 9-6-23, 16-6-23, 23-6-23, 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