

# REPORT ON BOILERS.

No. 2129

Port of **PHILADELPHIA**

Received at London Office **WED. OCT. 7. 1914**

Survey held at **PHILADELPHIA**

Date, first Survey **22-9-13**

Last Survey **19**

Descript

of adjustment

Length

**S.S. PACIFIC**

(Number of Visits)

Tons   
 Gross   
 Net

Built at

By whom built

When built

th of joint

ia. of stays

of joint

Riv

By whom made

when made

Plate

By whom made

when made

Horse Power

Owners

Port belonging to

Stayed by

**TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.**—Manufacturers of Steel

**Lukens Steel Co**

record

Total Heating Surface of Boilers

Is forced draft fitted

No. and Description of

**Null, single ended**

Working Pressure

Tested by hydraulic pressure to

Date of test

**61**

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

**18 boiler**

Area of each valve

Pressure to which they are adjusted

ted with easing gear

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

stance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers

Length

shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

riveting: cir. seams

Lap. d. 7. long. seams

**II. B. S. 3 rows**

Diameter of rivet holes in long. seams

Pitch of rivets

**9, 26, 28**

width of butt straps

Per centages of strength of longitudinal joint

rivets

Working pressure of shell by

**1 1/2**

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each

herewith

**Morrison**

Material

Outside diameter

Length of plain part

Thickness of plates

crown

"

of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber

Rods

**1 1/2**

Material

Thickness

Sides

Back

Top

Bottom

Pitch of stays to ditto

Sides

Back

Back

Back

Back

Back

Back

Back

Propeller

**1 1/2**

If stays are fitted with nuts or riveted heads

**nut**

Working pressure by rules

Material of stays

Diameter at

bolts

**24**

Area supported by each stay

**60**

Working pressure by rules

End plates in steam space

Material

Thickness

**15**

Diameter at smallest part

**4.66**

Stays

**5 1/2**

How are stays secured

**7. N. R. W.**

Working pressure by rules

Material of stays

Thickness

Material of front plates at bottom

Thickness

Material of

Thickness

Material of

Thickness

Material of

plate

**Steel**

Thickness

Greatest pitch of stays

**15 1/2**

Working pressure of plate by rules

Diameter of tubes

Thickness

Material of tube plates

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Material of tube plates

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops

Material

Depth and thickness of

Material

Thickness

Material of

Thickness

Material of

Material of tube plates

**Steel**

Thickness

Front



WEB  
B-FRAMES, In F  
No. of Side  
B-FRAMES, In E  
B-FRAMES, In  
No. of Side  
Size of Face A  
CKET PLATES  
eb Frames, depth  
LKHEADS.  
BULKHEADS  
t Ash  
LLISION,,  
ITION,,  
TUDINAL,,  
e outside Plates  
e Sluice Valves  
STRAKES.  
PLATE KEEL.  
Keel, state Rivets  
ARD OR A S  
B  
C  
D  
E  
F  
G  
H  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
S OF SHIP  
LONG B  
STRAKES  
Flat Pla  
Sheers  
and thic  
ES .....  
BRIDGE S  
LE SID  
Deck  
Plat  
Deck  
Plat  
exte  
ED B  
AST  
Ye  
late

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

The three main boilers have been built under special survey. The workmanship is sound & good. The boilers were tested by hydro test to 285 lbs. per sq. inch. The boilers have now been forwarded to the Fore River S & E to be installed & completed.

Robert Harg

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 ...	70	:	00	22.4.1914
Donkey Boiler Fee ...	£	:	:	When received,
Travelling Expenses (if any) £	10	:	00	30.4.1914

Robert Harg

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

Committee's Minute TUE. OCT. 13. 1914 TUE. OCT. 20. 1914

Assigned



© 2020

Lloyd's Register  
Foundation