

REPORT ON BOILERS.

No. 33757.

THU. DEC. 24. 1914

WED. MAR. 25. 1914

Writing Report

191

When handed in at Local Office

16.3.1914 Port of Glasgow

Survey held at

Glasgow

Date, First Survey

12.1.14

Last Survey

9.3.

1914

Book.

on the *Manoeuvring Air Reservoirs, in M.B. "Pangar"*

(Number of Visits)

7

Gross

Tons

Net

Built at Glasgow

By whom built Barclay Curle & Co

When built 1909-3

made at

Glasgow

By whom made

Burmester & Wain

When made 1914

made at

Glasgow

By whom made

Hindray Burnet & Co 5336 (676)

When made 1914

ed Horse Power

Owners East Asiatic Co

Port belonging to Bangkok.

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *James Dunlop & Co. The Steel Co of Scotland,*

for record

Total Heating Surface of Boilers

Is forced draft fitted

No. and Description of

two cylindrical

Working Pressure

294

Tested by hydraulic pressure to

Date of test 9/3/14

Certificate 2591

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

valves to each boiler

Area of each valve

Pressure to which they are adjusted

fitted with easing gear

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

distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers

Length 12' 10"

of shell plates *steel*

Thickness 23/32"

Range of tensile strength 28-32

Are the shell plates welded or flanged 220

of riveting: cir. seams *double lap*long. seams *triple butt*

Diameter of rivet holes in long. seams 13/16"

Pitch of rivets 5 3/4"

plates or width of butt straps 12 1/2"

Per centages of strength of longitudinal joint

rivets 93.2

Working pressure of shell by

297

Size of manhole in shell 16" x 12"

Size of compensating ring *flanged*

No. and Description of Furnaces in each

Material

Outside diameter

Length of plain part

top

Thickness of plates

crown

ion of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber

Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at

part

Area supported by each stay

Working pressure by rules

End plates in steam space: Material *slut*

Thickness 1 1/16, 1 5/16

stays *none*

How are stays secured

Working pressure by rules

Material of stays

Diameter at smallest part

ported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of

ack plate

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Pitch across wide

aces

Working pressures by rules

Girders to Chamber tops: Material

Depth and thickness of

t centre

Length as per rule

Distance apart

Number and pitch of Stays in each

pressure by rules

Superheater or Steam chest; how connected to boiler

Can the superheater be shut off and the boiler worked

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

ed with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

The foregoing is a correct description,

Hindray Burnet & Co Manufacturer.

During progress of

1914. Jan. 12. 15. 28. Feb. 10. 18. 24.

Is the approved plan of boiler forwarded herewith

work in shops: - -

During erection on

Mar 9

Total No. of visits

7.

board vessel: - - -

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

These Reservoirs have been built under special survey, the materials & workmanship are of good description.

Survey Fee

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£ 2 : 2 :

When applied for, 16.3.1914

Selling Expenses (if any) £

:

:

When received, 1914

Committee's Minute

GLASGOW 24 MAR. 1914

Transmitted

TRANSMIT TO LONDON

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

A. M. McLeod

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Lloyd's Register

Foundation

W479-0166

M/s Pangan

Air Reservoirs

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Air Reservoirs



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