

Rpt. 5.

REPORT ON BOILERS.

MON. 25 JUN 1906

No. 23939

Port of

Glasgow

Received at London Office

WED. 9 MAY 1906

No. in
Reg. Book.

Survey held at

Amman

Date, first Survey

16 Feb'y

Last Survey

24 April 1906

(Number of Visits 14)

Gross 1218

Tons Net 922

Master

Nichols

Built at

Antwerp

By whom built

Chantiers Navals, Anvers

When built

1906

Engines made at

Sunderland

By whom made

North Eastern Marine Eng'g Co. Ltd.

When made

1906

Boilers made at

do.

By whom made

do.

do.

when made

1906

Registered Horse Power

Owners

S. Tripcoritch

Port belonging to

Trieste

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

top

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. 3938

Description

Boehran

Manufacturers of steel

Glydebridge

Made at

Amman

By whom made

Boehran & Coy Amman

When made

1906

Where fixed

in Stockholm

Working pressure

100 lb

tested by hydraulic pressure to

200 lb

Date of test

24/4/06

No. of Certificate

8043

Fire grate area

21 1/2

Description of safety valves

Spring loaded.

No. of safety valves

2

Area of each

7.07

Pressure to which they are adjusted

105 lb

If fitted with easing gear

No

If steam from main boilers can

enter the donkey boiler

No

Dia. of donkey boiler

6' 6"

Length

14' 6"

Material of shell plates

Steel

Thickness

9/16" 19"

Range of tensile

strength

24/32

Descrip. of riveting long. seams

Double rivet

Dia. of rivet holes

3/32

When rivets are drilled

No

Pitch of rivets

2 3/4"

Lap of plating

4 1/2"

Per centage of strength of joint

Rivets 6 3/4"

Plates 68/10

Working pressure of shell by rules

100 lb

Thickness of shell crown plates

1/16"

Radius of do.

3' 3"

No. of Stays to do.

None

Dia. of stays

1"

Radius of furnace

Top 2' 4 1/2"

Bottom 5' 6"

Length of furnace

3' 2"

Thickness of furnace plates

14/32

Description of joint

Lap single rivet

Working pressure of furnace by rules

101 lb

Thickness of furnace crown

plates

14/32

Radius of do.

2' 4 1/2"

Stayed by

1"

Diameter of uptake

13" x 22"

Thickness of uptake plates

1/16"

Thickness of tubes

1 1/2"

Plates 1 1/2" + 2 3/4"

with 1" rivet stay to top of

back tube plate.

The foregoing is a correct description,

Manufacturer.

Dates

During progress of

work in shops - -

1906: Feb'y 16 23 Mar. 21 30 Apr 6

of Survey

During erection on

board vessel - -

11 18 20 24 May 18, 31 June 5, 6, 12

while building

Total No. of visits

9 + 5 = 14

Is the approved plan of main boiler forwarded herewith

" donkey "

" "

" "

W1227-0045

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

This boiler has been made under survey the material & workmanship are of good description and the test on completion satisfactory

This boiler has been fitted on board the s/s "Mortar" in accordance with the Society's Rules. It has been tested under steam and the safety valves adjusted to blow at 105 lbs per sq pressure.

J. P. Cornish

Certificate (if required) to be sent to the Committee's Minute.

The amount of Entry Fee, £	When applied for.
Special £ 2 : 2 :	19
Donkey Boiler Fee £	When received.
Travelling Expenses (if any) £	19

Committee's Minute

Glasgow - 8 MAY 1906

TUES. 26 JUN 1906

Assigned *Transmit to London.*

James Morrison
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
Clyde District



Lloyd's Register
Foundation