

REPORT ON BOILERS.

No. 52274.

TUES. APR 16 1907

Port of Newcastle

Received at London Office

Survey held at

Gateshead

Date, first Survey Oct 20

Last Survey

Jan 25

1907

(Number of Visits 2)

Description

S.S. "Volpone"

Tons } Gross
Net

adjustment 2 on the

Length

Built at Workington

By whom built

R. Williamson & Son (No 206)

When built

1907

made at

Glasgow

By whom made

Ross & Duncan (No 692)

when made

1907

of joint

Rivets

Plates

made at Gateshead

By whom made

Clarke Chapman & Co No 2667

when made

1907

of stays

Horse Power

Owners

Port belonging to

of joint

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

record

Total Heating Surface of Boilers

Is forced draft fitted

No. and Description of

Working Pressure

Tested by hydraulic pressure to

Date of test

certificate

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

boilers 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

of shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

of riveting: cir. seams

long. seams

Diameter of rivet holes in long. seams

Pitch of rivets

plates or width of butt straps

Per centages of strength of longitudinal joint

rivets

Working pressure of shell by

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each

Material

Outside diameter

Length of plain part

Thickness of plates

top

bottom

of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber

Propeller

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at

bolts

Area supported by each stay

Working pressure by rules

End plates in steam space: Material

Thickness

stays

How are stays secured

Working pressure by rules

Material of stays

Diameter at smallest part

supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of

back 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

at 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

by

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

g pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

TICAL DONKEY BOILER

No. 1

Description

Cross. tube

Manufacturers of steel

J. Spence & Sons

Gateshead

By whom made

Clarke Chapman & Co

When made

1907

Where fixed

Hotchell

Working pressure

75 lb

hydraulic pressure to 150 lb

Date of test 25/1/07

No. of Certificate 7417

Fire grate area 19 ft

Description of safety valves

Spring loaded

safety valves one

Area of each 9.62

Pressure to which they are adjusted 75 lb

If fitted with easing gear yes

If steam from main boilers can

donkey boiler no

Dia. of donkey boiler 6'-0"

Length 11'-0"

Material of shell plates Steel

Thickness 13/32

Range of tensile

Descrip. of riveting long. seams S. Lap

Dia. of rivet holes 13/16

plating 4/8

Per centage of strength of joint

Rivets 72.5

Plates 72.9

Working pressure of shell by rules 75 lb

Thickness of shell crown plates 9/16

of do. 5'-0"

No. of Stays to do. 6

ss of furnace plates 9/16

Description of joint S. Lap

Working pressure of furnace by rules 97 lb

Thickness of furnace crown

Radius of do. 5'-0"

Stayed by as above

Diameter of uptake 15"

Thickness of uptake plates 7/16

ss of water tubes 7/16

The foregoing is a correct description,

For Clarke, Chapman & Co. Ltd

Manufacturer.

& Foreign Shippi

During progress of

work in shops - - - 1906. Oct 20. 1907. Jan 25

During erection on

board vessel - - -

Total No. of visits

5

Is the approved plan of main boiler forwarded herewith

" " " donkey " "

" " " " "

" " " " "

" " " " "

" " " " "

" " " " "

W377-0136

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

This donkey boiler has been constructed under special survey & the materials & workmanship are found to be good.

Thomas Field

VE

These particulars

Signal Letters

Official Number

124058

No., Date, and Port

Whether British or Foreign Built.

British

Number of Deck

Number of Mast

Rigged ...

Stern ...

Build ...

Galleries ...

Head ...

Framework and

vessel ...

Number of Bull

Number of wat

and their cap

Total to quarter
at side amid

No. of
Engines.

Three

Number
Iron
Press

Under Tonnage

Closed-in space

Space or s

Poop ...

Fore-castle

Round H

Other cl

Locals

Spaces for
Section 7
1894, if

Deduction

Fail
MS

No. of O
Name, R

Volan

Ernest

The on
Op

Dated

W B &

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 ... £ : :
Donkey Boiler Fee ... £ 0 : 0
Travelling Expenses (if any) £ : :
When received.
19

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

Committee's Minute

Glasgow 15 APR 1907

FRI. APR 19 1907

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Assigned

See Glasgow Report p. 2/5123.



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