

REPORT ON BOILERS.

No. 60312

OCT 19 1938

of writing Report

19

When handed in at Local Office

18. 10. 1938

Received at London Office

Port of

Glasgow

o. in
Book.

Survey held at

Renfrew.

Date, First Survey

14.2.38

Last Survey

14/9/38

on the

Clarkson Boiler for M.V. DOMINION MONARCH

(Number of Visits)

13

Gross 27155

Tons

Net 15813

ter

Built at

Newcastle

By whom built

S. H. & R. 25

When built

1935-1

ers made at

Renfrew.

By whom made

Babcock & Wilcox Ltd

When made

1938.

ers

Shaw Savill & Alliman & Co. Ltd

Port belonging to Southampton

VERTICAL DONKEY BOILER

No. 73/4668

Description

Clarkson

Manufacturers of steel

Deville & Co

de at

Renfrew.

By whom made

Babcock & Wilcox

When made

1938

Where fixed

Working pressure 100 lb

ed by hydraulic pressure to

200 lb

Date of test

1/6/38

No. of Certificate

20203

Fire grate area

-

Description of safety valves

Bleed spring

of safety valves

2.

Area of each

4.90

Pressure to which they are adjusted

-

If fitted with easing gear

-

If steam from main boilers can

er the donkey boiler

-

Diameter of donkey boiler

7'-6"

Length

18'-6"

Material of shell plates

Steel

Thickness

1/2"

nge of tensile strength

28/32 Tm

Description of riveting long. seams

DR Lap

Diameter of rivet holes

27/32"

Whether punched or

led

yes

Pitch of rivets

2.75" upper stroke

Lap of plating

4 3/8"

Per centage of strength of joint

Rivets

66.8 & 66.8

Working pressure of shell by

es

100 lb

Thickness of shell crown plates

13/16"

Radius of do.

6'-6"

No. of stays to do.

uptake

Diameter of stays

- 1 1/2" Diameter of

PLATE 4'-6 3/16"

Top

Bottom

Length of furnace

9'-0 1/2"

Thickness of furnace side plates

1 1/4"

Description of joint

Weld

Working

ssure of furnace by rules

100 lb

Thickness of Ogee ring

15/16"

Working pressure of Ogee ring by rules

100 lb

wn plates

21/32"

Radius of do.

Stayed by

INT.

Diameter of uptake

2'-6"

Thickness of uptake

tes

5/8"

Thickness of tube plates

front

back

Mean pitch of stay tubes in nest

-

Pitch in outer vertical rows

diameter of tube holes

FRONT

4"

BACK

4"

Working pressure of tube plates by rules

100 lb

Tubes: Material

Steel SS.

ternal diameter

stay

4"

Thickness

9/16"

No. of threads per inch

-

Pitch of tubes

4.746" x 4 3/8"

orking pressure by rules

100 lb

Manhole

N.CROWN.

Size of opening in shell plate

16" x 12"

Section of compensating

g

-

No. of rivets and diameter of rivet holes

-

Outer row pitch at ends

-

The foregoing is a correct description.

Babcock & Wilcox Ltd.

Manufacturer.

Dates

During progress of

1938 Feb: 14 Mar: 10.22 Apr: 19 May: 2.11.30 June: 1

Drawing No.

3796.C.

Survey

During erection on

July: 4 Aug: 3 Sep: 2.14 Oct: 5

while

board vessel

ilding

Total No. of visits

13

The approved plan of boiler forwarded to with

dup. bl.

73/4667.

GENERAL REMARKS

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

This boiler has been built under Special Survey, to approved plans in accordance with the Society's Rules. Materials and workmanship are good. It is intended for Mr. Swan Hunter & Wigham Richardson's No 1566.

138

This Oil fired Boiler has been fitted in the Auxy. Engine Room of the M.V. Dominion Monarch. The Safety valves were adjusted under steam to 100 lb/sq. and the accumulation test was satisfactory.

Admitt
Newcastle
27/1/39

Survey Fee

... £ 7/7/0.

When applied for

19

Travelling Expenses (if any) £

When received

19

MONTHLY ACCOUNT

Committee's Minute

GLASGOW 18 OCT 1938

Assigned

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 14 FEB 1939

Lloyd's Register Foundation

002947-002955-0212