

REPORT ON BOILERS.

No. 60311

OCT 19 1938

of writing Report

When handed in at Local Office

18.10.1938

Port of

Received at London Office

Glasgow

No. in
Book.

Survey held at

Renfrew.

Date, First Survey

14.2.38

Last Survey

5/10/

1938.

(Number of Visits 14)

Tons

Gross 27155

Net 15813

When built 1939-1.

ster

Built at Newcastle

By whom built

Swan Hunter & Wigham Richardson Ltd

lers made at

Renfrew

By whom made

Babcock & Wilcox

When made

1938.

ners

Shaw, Savill & Waller Co Ltd

Port belonging to

Southampton

VERTICAL DONKEY BOILER

No. 73/4667

Description

Clarkson
Thimble Tube type

Manufacturers of steel

D. Colville & Son Ltd

de at Renfrew.

By whom made

Babcock & Wilcox

When made 1938

Where fixed

Working pressure

100 lb

ed by hydraulic pressure to 200

Date of test

30/5/38.

No. of Certificate

20201.

Fire grate area

Description of safety valves

Bble 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

Description of riveting long. seams

D.R. Lap

Diameter of rivet holes

27/32"

Whether punched or

lled

Yes

Pitch of rivets

2.75"

upper strake

Lap of plating

4 3/8"

Per centage of strength of joint

69.3 + 68.8

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"

PLATE

Top

4'-6 3/16"

Bottom

Length of furnace

9'-0 1/2"

Thickness of furnace side plates

1 1/4"

Description of joint

Weld

Working

essure of furnace by rules

100 lb

Thickness of Ogee ring

15/16"

Working pressure of Ogee ring by rules

100 lb

Thickness of furnace

own plates

7/8"

Radius of do.

32"

Stayed by

1 1/2"

Diameter of uptake

2'-6"

Thickness of uptake

H. 12.15.3

tes

7/8"

Thickness of tube plates

front

Mean pitch of stay tubes in nest

Pitch in outer vertical rows

ameter of tube holes

FRONT

4"

BACK

4"

Working pressure of tube plates by rules

100 lb

Tubes: Material

S.D. Steel

6/38

external diameter

4"

Thickness

9 Burg

No. of threads per inch

Pitch of tubes

4.746" x 4 3/8"

orking pressure by rules

100 lb

Manhole compensation: 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 Manufacturer.

Dates
Survey
while
buildingDuring progress of
work in shops-

1938 Feb.: 14 Mar.: 10.22 Apr.: 1.5.19 May.: 2.11.30 July 4

Drawing No. 3796 C.

During erection on
board vessel -

Aug.: 3 Sep.: 2.14 Oct.: 5

Total No. of visits

14

Is the approved plan of boiler forwarded herewith

Yes

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.

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

A Watt
Newcastle on Tyne
27/1/39

Survey Fee

£ 7/7/0

When applied for

19.

Travelling Expenses (if any) £

When received

19.

MONTHLY ACCOUNT

H. Luthers

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 18 OCT 1938

Assigned

TRANSMIT TO LONDON

TUE. 14 FEB 1939

Lloyd's Register
Foundation

002947-002955-0211