

22 FEB 1928

Bel 9917

No. 46978.

REPORT ON BOILERS.

Received at London Office

31 AUG 1927

Date of writing Report

When handed in at Local Office

27.8.27 Port of Glasgow

No. in Survey held at
Reg. Book.

Date, First Survey

May 13th

Last Survey

26. August 1927

H.M.S. on the

BOILER No 10424

"KING JOHN"

(Number of Visits)

Gross 14520

Tons Net 1690

Master

Built at Belfast

By whom built Harland & Wolff Ltd.

When built 1928

Boilers made at

Annan

By whom made

Messrs Cochran & Co. Annan Ltd

When made 1927

Owners King Line Ltd. (Dodd, Thomson & Co. Ltd. Managers)

Port belonging to London

VERTICAL DONKEY BOILER

No. ONE

Description

VERTICAL

Manufacturers of steel

Stewart & Lloyd

Made at

Annan

By whom made

Cochran & Co. Annan Ltd

When made 1927

Where fixed Engine Room

Working pressure 100 lb.

Tested by hydraulic pressure to

200 lb.

Date of test

26/8/27

No. of Certificate

17553

Fire grate area

7.54

Description of safety valves

Spring-loaded

No. of safety valves

Two

Area of each

1.77

Pressure to which they are adjusted

100 lb.

If fitted with easing gear

Yes

If steam from main boilers can

Enter the donkey boiler

Yes

Dia. of donkey boiler

3'-9"

Length

10'-0"

Material of shell plates

Steel

Thickness

3/8" 13/32" 3/8"

Length

26/32

Descrip. of riveting long. seams

S.P. Lap

Dia. of rivet holes

23/32"

Whether punched or drilled

Drilled

Pitch of rivets

3.14"

Up of plating

3 3/4"

Per centage of strength of joint

77.7

Rivets

66.4

Working pressure of shell by rules

142.5 lb.

Thickness of shell crown plates

15/32"

Radius of do.

3'-2"

No. of Stays to do.

15

Dia. of stays

3/8"

Diameter of furnace Top

3'-0"

Bottom

3'-3 1/2"

Length of furnace

2'-10 1/8"

Thickness of furnace plates

15/32"

Description of joint

S.P. Lap

Welded

Working pressure of furnace by rules

179.2 lb.

Thickness of furnace crown

17/32"

Thickness of furnace crown

16.1"

Thickness of uptake plates

1/2"

Radius of do.

23"

Stayed by

Hemisphere

Diameter of uptake

8 1/2" x 13 3/4"

Thickness of uptake plates

1/2"

The foregoing is a correct description,

The COCHRAN & CO. ANNAN, LIMITED

Manufacturer.

W. L. Seattie

Works Manager

Dates

During progress of work in shops -

May 13-20-27-31 June 10 Aug. 9-12-26

Survey while building

During erection on board vessel -

Total No. of visits

8

DRAWING No 15696

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

Survey in accordance with the Rules and approved plan.

The materials and workmanship are good.

It is intended for a King Line vessel

built by

Messrs Harland & Wolff Ltd. of Belfast.

This boiler was efficiently installed and fastened on the tank top at the forward starboard side of the engine room

It has two spring loaded safety valves each 1.77 sq. area, adjusted to lift at 100 lbs. and fitted with easing

cat.

R. Lee Annan

Belfast Feb. 1928.

Survey Fee

...

£

4 : 4 :

When applied for,

19

Travelling Expenses (if any) £

:

:

When received,

19

MONTHLY ACCOUNT

A. Campbell

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

Committee's Minute

GLASGOW

80 AUG 1927

Assigned

TRANSMIT TO LONDON

FRI 2 MAR 1928

Lloyd's Register

Foundation