

## REPORT ON BOILERS.

No. 45403

Received at London Office

-2 JUN 1926

25 SEP 1926

Date of writing Report

19

When handed in at Local Office

28.5.1926

Port of

Glasgow.

No. in Survey held at

Date, First Survey

5th Mar

Last Survey

21st May 1926

Reg. Book.

on the COCHRAN BOILER No. 10031.

for the S.S. Greathope

(Number of Visits 8)

Gross

Tons

Net

Built at

Buntisland

By whom built

Buntisland &amp; Blysd

When built

1926

Boilers made at

Annan

By whom made

Cochran &amp; Co. Annan Ld.

When made

1926.

Owners

Newbiggin Steam Shipping Co. Ltd

Port belonging to

## VERTICAL DONKEY BOILER—

No. 10031

Description

Cochran Type

Manufacturers of steel

J. &amp; W. G. &amp; Sons

Made at

Annan

By whom made

Cochran &amp; Co.

When made

1926

Where fixed

platform

Working pressure 100 lbs.

Tested by hydraulic pressure to

200 lbs.

Date of test

21/5/26

No. of Certificate

17/36

Fire grate area

8.7 sq ft

Description of safety valves

2 spring loaded

No. of safety valves

Two

Area of each

3.11 sq ft

Pressure to which they are adjusted

100 lbs

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

Diameter of donkey boiler

6'0"

Length

11'6"

Material of shell plates

Steel

Thickness

7/16" + 1/32"

Range of tensile

Description of riveting long. seams

D.R. Lap.

Diameter of rivet holes

25/32"

Whether punched or drilled

Drilled

Pitch of rivets

2.609"

Area of plating

37 1/8"

Per centage of strength of joint

Rivets 67.3

Plates 72.1

Working pressure of shell by rules

108.2 lbs

Thickness of shell crown plates

19/32"

Radius of do.

No. of Stays to do.

None

Diameter of stays

5'0"

Diameter of furnace Top

Hemisphere

Bottom

Length of furnace

2'6"

Thickness of furnace plates

1/2"

Description of joint

Seamless &amp; Lap

Working pressure of furnace by rules

137.5 lbs

Thickness of furnace crown

101.2 lbs

Radius of do.

Thickness of water tube plates

1/2"

Radius of do.

2'6"

Stayed by

Hemisphere

Diameter of uptake

13" x 14"

Thickness of uptake plates

9/16"

The foregoing is a correct description.

For COCHRAN &amp; CO., ANNAN, LIMITED

Manufacturer.

J. C. Woodham

Drawing No. 14888.

During progress of work in shops

1926 Mar 5-12-1926 Apr 6-23-30

During erection on board vessel

May 21

Total No. of visits

8

Is the approved plan of boiler forwarded herewith

Yes

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

This boiler has been built under Special Survey in accordance with the rules of this Society. The materials and workmanship are good.

It is intended for Messrs. North Eastern Marine Eng. Co's Contract No. 2622.

This Boiler is securely fixed in place in the vessel & its safety valves have been adjusted under steam as above.

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.

TUES. 28 SEP 1926

Committee's Minute GLASGOW 1-JUN 1926

Assigned

TRANSMIT TO LONDON

See Minute on Rev. F. E. Rpt Nov 25

012544-012562-JOSI