

REPORT ON BOILERS.

No. 50098

5 FEB 1930

Received at London Office.

Date of writing Report

19

When handed in at Local Office

30 1 1930

Port of

GLASGOW

No. in Survey held at
Reg. Book.

Annan

Date, First Survey

6 11 29

Last Survey

24th January 1930

(Number of Visits

8

Gross 6074

Net 3575

Master

Built at

Walker.

By whom built

Armstrong Whitworth & Co. Ltd

When built

1930

Boilers made at

Annan

By whom made

Messrs Cochran & Co. Annan Ltd

When made

1930

Owners

Sure Stirling

Port belonging to

Bergen

VERTICAL DONKEY BOILER—

No. One

Description

Vertical

Manufacturers of steel

D. Calville & Son Ltd

Made at

Annan

By whom made

Cochran & Co. Annan Ltd

When made

1930

Where fixed

Super Room Kail. Stair 2nd.

Working pressure 180

tested by hydraulic pressure to

320

Date of test

24-1-30

No. of Certificate

8587

Fire grate area

✓

Description of safety valves

Enclosed Spring

No. of safety valves

2

Area of each

1.76

Pressure to which they are adjusted

180/160

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

No.

Diameter of donkey boiler

4-3"

Length

11-6"

Material of shell plates

Steel

Thickness

17/32 5/8 17/32

Range of tensile strength

28-32

Description of riveting long. seams

D.R. Lap

Diameter of rivet holes

29/32

Whether punched or

drilled

drilled

Pitch of rivets

2.885 3 2.8

Lap of plating

1/2

Per centage of strength of joint

69.1

Working pressure of shell by

rules

192.2

Thickness of shell crown plates

25/32

Radius of do.

4-3

No. of stays to do.

✓

Diameter of stays

✓

Diameter of

furnace—Top

3-4 5/16

Bottom

3-9

Length of furnace

3-7 1/4

Thickness of furnace side plates

2/32

Description of joint

E.W.

Working pressure of furnace by rules

182.4

Thickness of Ogee ring

✓

Working pressure of Ogee ring by rules

✓

Thickness of furnace

crown plates

2/32

Radius of do.

plates

1/2

Thickness of tube plates

front 7/8

back 25/32

Mean pitch of stay tubes in nest

8.124

Pitch in outer vertical rows

6 3/4

Diameter of tube holes

FRONT

stay 2 3/16

plain 2 1/16

BACK

stay 2

plain 2

Working pressure of tube plates by rules

B. 216.1

Tubes: Material

Wool Iron

External diameter

stay 2

plain 2

Thickness

stay 11/32

plain 10 1/16

No. of threads per inch

9

Pitch of tubes

3 1/16 x 3 3/8

Working pressure by rules

215

Manhole compensation; Size of opening in shell plate

16 x 12

Section of compensating

ring

5-4 x 1

No. of rivets and diameter of rivet holes

46 off 29/32

Outer row pitch at ends

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

J. C. Woodham

Manufacturer.

Dates of Survey while building

During progress of work in shops

19 29 Nov 6 13 29 Dec 6 13 19 (1930) Jan 10 24

During erection on board vessel

- - -

Total No. of visits

8

Drawing No. E 26191

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.

This boiler has been built to the order of Messrs Sir W. G. Armstrong Whitworth & Co. Ltd Newcastle-on-Tyne, and is intended for their N° M.E. 89.

Shn No 1062 to be classed

This Boiler was efficiently fastened on board the M.V. KIM Thos Armstrong Whitworth's vessel No 1062, and its safety valves adjusted under steam to working pressure.

L. Esket.

Survey Fee ... £ 4 : 4

Travelling Expenses (if any) £ :

When applied for ... 19

When received ... 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 4 - FEB 1929

Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 2 SEP 1930

Lloyd's Register Foundation

002690-002700-0379