

SAT. JUN. 1-1912

Rpt. 5b.

REPORT ON BOILERS.

No. 31105

Received at London Office

WED. FEB. 14. 1912

Date of writing Report 10 2- 1912 When handed in at Local Office 13. 2- 1912 Port of Glasgow

No. in Survey held at
Reg. Book.

Ayrman

Date, First Survey

15. 12. 11

Last Survey

9- 21

1912

(Number of Visits 7. 10)

Gross 1906

Tons Net 1070

Master

Kubitt

Built at

Sunderland

By whom built

S. P. Austin & Son

When built

1912

Boiler made at

Ayrman

By whom made

Cochran & Co. Ayrman Ltd

When made

1912

Owners

Pelton S. S. Co. Ltd.

Port belonging to

Newcastle

VERTICAL DONKEY BOILER

No. 5614

Description

Cochran Patent

Manufacturers of steel

W. Beaudouin & Co.

Made at

Ayrman

By whom made

Cochran & Co.

When made

1912

Where fixed

Storehold

Working pressure

100

tested by hydraulic pressure to 200

Date of test

9- 2- 12

No. of Certificate

11415

Fire grate area

26.75

Description of safety valves

Two direct spring

No. of safety valves

Two

Area of each

7.07

Pressure to which they are adjusted

100

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

no

Dia. of donkey boiler

7- 0

Length

15- 0

Material of shell plates

S

Thickness

12- 5

Range of tensile

strength 28.32

Descrip. of riveting long. seams

dl

Dia. of rivet holes

29- 32

Whether punched or drilled

d

Pitch of rivets

2- 75

Lap of plating

4 1/2

Per centage of strength of joint

Rivets 70- 6

Plates 67

Working pressure of shell by rules

106

Thickness of shell crown plates

15- 32

25- 32

Radius of do.

3- 6

No. of Stays to do.

None

Dia. of stays

3- 0

Diameter of furnace Top

3- 0

Bottom

Length of furnace

3- 11 3/4

Thickness of furnace plates

5- 32

Description of joint

hemispherical

R- R- R- R-

Working pressure of furnace by rules

104

Thickness of furnace crown

plates

5- 8

Radius of do.

3- 0

Stayed by

hemispherical

Diameter of uptake

15 x 23

Thickness of uptake plates

7- 16

Thickness of water tubes

Plate F. 7/8, B. 3/4

The foregoing is a correct description,

FOR COCHRAN & CO., AYRMAN, LTD.

Manufacturer.

16212

Dates

During progress of work in shops --

1911. Decr 15. 22. 27.

1912. Jan. 16. 19.

Feb. 29.

while

During erection on board vessel --

May 14. 18. 20

building

Total No. of visits

19. 10

Is the approved plan of boiler forwarded herewith

74

GENERAL REMARKS

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

Draw? 8639.

The Material & workmanship is good.

The boiler has been built under special Survey.

Survey Report form

No. 6.578 attached

The boiler has been satisfactorily fitted in the vessel and its safety valves adjusted as above. Working pressure full 5 5/8.

Survey Fee ... £ 2 : 2

When applied for

Monthly &c.

Travelling Expenses (if any) £

When received

19

Committee's Minute

GLASGOW

13 FEB. 1912

Assigned

Transmit to London

John H. Heck. Hewitt Davis.

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

TUE. JUN 4-1912



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