

REPORT ON BOILERS.

No. 6929
THU. JUL. 27. 1911

Date of writing Report

19

When handed in at Local Office

26. 7

19

Port of

Received at London Office

MIDDLESBROUGH-ON-TEES.

No. in
Reg. Book.

Survey held at

Middlesbrough

Date, First Survey

27th March

Last Survey

18th July 1911

on the Donkey Boiler for S.S. "Eckwood" (W. Harkness ton 554.189)

(Number of Visits

Gross

Net

Master

Donkey

Built at

By whom built

When built

Boiler made at

Middlesbrough

By whom made

Thos. D. Ridley & Sons

When made 1911

Owners

Port belonging to

VERTICAL DONKEY BOILER—

No. One

Description Vertical

Manufacturers of steel

John Spencer & Sons
South Durham, Co. Durham

Made at

Middlesbrough

By whom made

Thos. D. Ridley & Sons

When made

1911

Where fixed

Stoke hold

Working pressure

100 lbs

tested by hydraulic pressure to

200

Date of test

18. 7. 11.

No. of Certificate

4692

Fire grate area

21 sq

Description of safety valves

Direct spring

No. of safety valves

one

Area of each

11.04

Pressure to which they are adjusted

100 lbs

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

strength

28-32

Descrip. of riveting long. seams

D.R. Lap

Dia. of rivet holes

13/16"

Whether punched or drilled

Drilled

Pitch of rivets

2 3/4"

Lap of plating

4 1/4"

Per centage of strength of joint

Rivets 57.4

Working pressure of shell by rules

115 lbs

Thickness of shell crown plates

9/16"

Range of tensile

strength

Radius of do.

5-9"

No. of Stays to do.

5

Dia. of stays

2" eff.

Diameter of furnace Top

4-8"

Bottom

5-4"

Thickness of furnace plates

5/8"

Description of joint

S.R. Lap

Working pressure of furnace by rules

109 lbs

Thickness of furnace crown

9/16"

Length of furnace

4-8"

plates

21/32"

Radius of do.

5-9"

Stayed by

Five 2" stays Int.

Diameter of uptake

14"

Thickness of uptake plates

7/16"

Thickness of water tubes

3/8"

The foregoing is a correct description,
THOS. D. RIDLEY & SONS.

Manufacturer.

Dates of Survey while building	{	During progress of work in shops - -	1911 Mar. 27. Apr. 8. May 16. June 7. 28. July 17. 18.
		During erection on board vessel - - -	
		Total No. of visits	7

Is the approved plan of boiler forwarded herewith *W. Harkness*

GENERAL REMARKS

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

This boiler has been constructed under Special Survey, is of good material and workmanship, and has been tested by hydraulic pressure with satisfactory results.

This boiler has now been satisfactorily secured on board, the safety valve adjusted & the boiler examined under steam.

SURVEY NO. 397 REQUEST ATTACHED.

Survey Fee ... £ 2 : 2 :
Travelling Expenses (if any) £ : : :

When applied for, 26. 7. 19
When received, 19. 8. 19

L. K. & J. B. Dawkins
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. SEP. 1-1911

Assigned

See Minute on Mdb. Rpt 6983

Lloyd's Register
Foundation

002062-002070-0287