

REPORT ON BOILERS.

No. 5858

Date of writing Report 25/6/09

When handed in at Local Office 25 June 1909

Port of MIDDLESBROUGH ON TYNE

Received at London Office 26 JUN 1909

No. in Survey held at Hockton-on-Lees

Reg. Book.

Date, First Survey June 2ndLast Survey 21st June 1909

on the S.S. "Steersman"

(Number of Visits 6)

S.S.N. 162

Gross 562

Net 254

Master

Built at Newcastle

By whom built

Thos Wood Skinner & Co

When built 1909-10.

Boilers made at Hockton

By whom made

J. Sudron & Co Ltd (N^o 2537)

When made 1909

Owners

C. Rowbotham & Sons

Port belonging to

London

VERTICAL DONKEY BOILER—

No. one

Description Vertical

Manufacturers of steel

J. Spencer & Sons

Made at Hockton

By whom made

Thos J. Sudron & Co Ltd

When made 1909

Where fixed

At Hockton

Working pressure 90 lbs

tested by hydraulic pressure to 180

Date of test 21.6.09

No. of Certificate 4283

Fire grate area 122 1/2

Description of safety valves

Spring

No. of safety valves 2

Area of each 70

Pressure to which they are adjusted 90 lb

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

No

Dia. of donkey boiler 4'-9"

Length 10'-9"

Material of shell plates

Steel

Thickness 3/8"

Range of tensile

strength 28-32

Descrip. of riveting long. seams

Lap. Riv

Dia. of rivet holes 1/8"

Whether punched or drilled

Punched

Pitch of rivets

2 1/4"

Lap of plating 4 1/4

Per centage of strength of joint

Rivets 85.6

Plates 70.7

Working pressure of shell by rules 101 lb

Thickness of shell crown plates

3/8"

Radius of do. 3'-9"

No. of Stays to do. none

Dia. of stays

Diameter of furnace Top 3'-9"

Bottom 4'-1"

Length of furnace

4'-6"

Thickness of furnace plates 1/2"

Description of joint

Lap. Riv

Working pressure of furnace by rules 102 lb

Thickness of furnace crown

plates 3/8"

Radius of do. 3'-9"

Stayed by

Dished

Thickness of water tubes 3/8"

Diameter of uptake 13"

Thickness of uptake plates 3/8"

The foregoing is a correct description,

THOMAS SUDRON & CO. LIMITED.

Manufacturer.

T. Johnston

Dates of Survey while building

During progress of work in shops - - -

During erection on board vessel - - -

Total No. of visits

1909 June 2. 8. 9. 11. 16. 21

See machy report.

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 Special Survey in accordance with the plan forwarded herewith and in general conformity with the Rules. The materials and workmanship are sound and good, and on completion the boiler was tested by hydraulic pressure with satisfactory results.

This boiler is to be forwarded to the Tyne where, it is stated, it will be fitted on board.

This Boiler has now been fitted on board the above vessel.

Survey Fee ... £ 2-2-0

Travelling Expenses (if any) £

When applied for

When received

Monthly 1/10/09

27/7/09

Committee's Minute

Assigned

JUL 19 1909

Wm Morrison

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



Lloyd's Register
Foundation

002051-002061-0008