

REPORT ON BOILERS.

No. 39153

Received at London Office

9 AUG 1928

Date of writing Report 8 AUG. 1928

1928

When handed in at Local Office

19

Port of

HULL.

No. in
Reg. Book

Survey held at

HULL.

Date, First Survey

26 JULY

Last Survey

3. AUG. 1928.

42188

on the

S.S. "GREENWICH"

(Number of Visits 3)

Gross 3518.

Tons

Net 2266.

Built at

SOUTH SHIELDS.

By whom built

J. READHEAD & SONS.

Yard No.

When built 1904.

Engines made at

do.

By whom made

do.

Engine No.

When made 1904.

Boilers made at

By whom made

Boiler No.

When made

Owners

BRITAIN. S. S. CO. LTD.

Port belonging to

LONDON.

VERTICAL DONKEY BOILER.

Made at

STOCKTON. By whom made. RILEY BROS.

Boiler No. 5826.

When made 1928

Where fixed 1928.

Manufacturers of Steel

W. BEARDMORE & CO.

Total Heating Surface of Boiler

800 sq. ft.

Is forced draught fitted

NO.

Coal or Oil fired coal

No. and Description of Boilers

ONE VERTICAL "RILEY" TYPE.

Working pressure 120 LBS.

Tested by hydraulic pressure to

230 LBS.

Date of test

6. 7. 28.

No. of Certificate 6655.

Area of Firegrate in each Boiler

34 sq. ft.

No. and Description of safety valves to each boiler

2 NO. SPRING LOADED.

Area of each set of valves per boiler

per rule 4.36

as fitted 9.32

Pressure to which they are adjusted

120.

Are they fitted with easing gear

yes

State whether steam from main boilers can enter the donkey boiler

No.

Smallest distance between boiler or uptake and bunkers

or woodwork

14"

Is oil fuel carried in the double bottom under boiler

No.

Smallest distance between base of boiler and tank top plating

18"

Is the base of the boiler insulated

No.

Largest internal dia. of boiler

Height

Shell plates: Material

Tensile strength

Thickness

Are the shell plates welded or flanged

Description of riveting: circ. seams

end

long. seams

Dia. of rivet holes in

circ. seams

long. seams

Pitch of rivets

Percentage of strength of circ. seams

plate

of Longitudinal joint

plate

rivets

combined

Working pressure of shell by rules

Thickness of butt straps

outer

inner

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat

Tensile strength

Thickness

Radius

Material

Working pressure by rules

Description of Furnace: Plain, spherical, or dished crown

Material

Tensile strength

Thickness

External diameter

top

bottom

Length as per rule

Working pressure by rules

Pitch of support stays circumferentially

and vertically

Are stays fitted with nuts or riveted over

Diameter of stays over thread

Radius of spherical or dished furnace crown

Working pressure by rule

Thickness of Ogee Ring

Diameter as per rule

D

d

Working pressure by rule

Combustion Chamber: Material

Tensile strength

Thickness of top plate

Radius if dished

Working pressure by rule

Thickness of back plate

Diameter if circular

Length as per rule

Pitch of stays

Are stays fitted with nuts or riveted over

Diameter of stays over thread

Working pressure of back plate by rules

Shell Plates: Material

front

back

Tensile strength

Thickness

Mean pitch of stay tubes in nests

Comprising shell, Dia. as per rule

front

back

Pitch in outer vertical rows

Dia. of tube holes FRONT

stay

BACK

stay

plain

Each alternate tube in outer vertical rows a stay tube

Working pressure by rules

front

back

Stays to combustion chamber tops: Material

Tensile strength

Pitch and thickness of girder at centre

Length as per rule

Pitch apart

No. and pitch of stays in each

Working pressure by rule

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Lloyd's Register

W649-015 Foundation

Crown stays: Material _____ Tensile strength _____ Diameter { at body of stay, _____
or
over threads _____

No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____

Screw stays: Material _____ Tensile strength _____ Diameter { at turned off part, _____
or
over threads _____ No. of threads per inch _____

Area supported by each stay _____ Working pressure by rules _____ Are the stays drilled at the outer ends _____

Tubes: Material _____ External diameter { _____ Thickness { _____

No. of threads per inch _____ Pitch of tubes _____ Working pressure by rules _____

Manhole Compensation: Size of opening in shell plate _____ Section of compensating ring _____ No. of rivets and diameter _____

of rivet holes _____ Outer round and pitch at ends _____ Depth of flange if manhole flanged _____

Uptake: External diameter _____ Thickness of uptake plate _____

Cross Tubes: No. _____ External diameters { _____ Thickness of plates _____

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with _____

The foregoing is a correct description,

Manufactured by _____

Dates { During progress of }
of Survey { work in shops - - }
while { During erection on }
building { board vessel - - }

Is the approved plan of boiler forwarded herewith
(If not state date of approval.)

Total No. of visits _____

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

*This boiler has been satisfactorily installed in the vessel.
Safety valves adjusted & tested for accumulation under 120 lbs
of steam & found satisfactory.*

Survey Fee ... £ : : } When applied for, 19
Travelling Expenses (if any) £ : : } When received, 19

R. B. Grier

Committee's Minute
Assigned

TUES. 20 AUG 1928

TUE. 16 JUL 1929

FRI. 9 AUG 1929

FRI. 1 FEB 1929

