

REPORT ON BOILERS.

No. 23745
TUES. 10 APR 1906Port of *Glasgow*

Received at London Office

Date, first Survey

7th Mar

Last Survey

30th Mar 1906

No. in Survey held at

Reg. Book.

on the

Donkey Boilers for L.S.

By whom built

Master

Built at

By whom made

Engines made at

By whom made

Boilers made at

Port belonging to

Registered Horse Power

Owners

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record)

Total Heating Surface of Boilers

Is forced draft fitted

No. and Description of

Tested by hydraulic pressure to

Date of test

Boilers

Working Pressure

Area of fire grate in each boiler

No. and Description of

No. of Certificate

Can each boiler be worked separately

Area of each valve

Pressure to which they are adjusted

safety valves to each boiler

Are they fitted with easing gear

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers

Length

Material of shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

Descrip. of riveting: cir. seams

long. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Lap of plates or width of butt straps

Per centages of strength of longitudinal joint

rivets
plate

Working pressure of shell by

rules

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each

boiler

Material

Outside diameter

Length of plain part

Thickness of plates

crown
bottom

Combustion chamber

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

plates: Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

Top

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at

smallest part

Area supported by each stay

Working pressure by rules

End plates in steam space: Material

Thickness

Pitch of stays

How are stays secured

Working pressure by rules

Material of stays

Diameter at smallest part

Area supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of

Lower back plate

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

Pitch of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Pitch across wide

water spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and thickness of

girder at centre

Length as per rule

Distance apart

Number and pitch of Stays in each

Working pressure by rules

Superheater or Steam chest: how connected to boiler

Can the superheater be shut off and the boiler worked

separately

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

holes

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

If stiffened with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Working pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

VERTICAL DONKEY BOILER—

No. 3961

Description *Boehran*Manufacturers of steel *Stewart & Lloyd*Made at *Aman*By whom made *Boehran & Co Aman*When made *1906*Where fixed *Lothbury*Working pressure *100 lbs*tested by hydraulic pressure to *200 lbs*Date of test *30/3/06*No. of Certificate *8062*Fire grate area *108 sq ft*Description of safety valves *Direct Spring*No. of safety valves *2*Area of each *49 sq in*Pressure to which they are adjusted *100 lbs*If fitted with easing gear *Yes*

If steam from main boilers can

enter the donkey boiler *No*Dia. of donkey boiler *5'-6"*Length *108 ft*Material of shell plates *Steel*Thickness *3/16" & 5/16"*

Range of tensile

strength *24/32 tons*Descrip. of riveting long. seams *Double rivet*Dia. of rivet holes *25/32"*Material of shell plates *Steel*Thickness *3/16" & 5/16"*

Range of tensile

Lap of plating *3 3/8"*Per centage of strength of joint *40%*Working pressure of shell by rules *102 lbs*Thickness of shell crown plates *3/16"*Diameter of furnace Top *2'-3"*Bottom *4'-6"*Length of furnace *2'-6"*Radius of do. *4'-9"*No. of Stays to do. *4*Dia. of stays *3/8"*Working pressure of furnace by rules *104 lbs*

Thickness of furnace crown

Thickness of furnace plates *10/32"*Description of joint *Lap single rivet*Working pressure of furnace by rules *104 lbs*

Thickness of furnace crown

Diameter of uptake *13 1/2" x 1 1/2"*Thickness of uptake plates *5/16"*plates *5/16"*Radius of do. *2'-3"*Stayed by *4*Diameter of uptake *13 1/2" x 1 1/2"*Thickness of uptake plates *5/16"*Thickness of *water tube* plates *19/32" & 23/32"*back plate top stayed by *4*

The foregoing is a correct description,

For *BOHRAN & CO, AMAN, LIMITED,*

Manufacturer.

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - -
Total No. of visits *4*

Is the approved plan of main boiler forwarded herewith

" " " donkey " " Lloyd's Register

002194-002205-0126

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

This Boiler has been made under Survey and the Materials & Workmanship are of good description, the test Satisfactory

The Survivors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee...	£	:	:	When applied for.
Special ...	£	:	:	Monthly account
Donkey Boiler Fee ...	£ 2	:	2	
Travelling Expenses (if any)	£	:	:	When received.
				19

Committee's Minute

Assigned

Transmit to London

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

FRI. 31 AUG 1906

Got Rpt
no 1283

Lloyd's Register
Foundation