

REPORT ON MACHINERY.

BOX CASE.

9566

Port of

Received at London Office

13

Survey held at *Glasgow*

Date, first Survey *10th 1/1/88*

Last Survey *13/4/*

1888

Book.

"Lord Rosebery"

(Number of Visits)

36

1264.574

Tons *807.68*

ter *J. Porteous*

Built at *Port Glasgow*

By whom built

Russell & Co

When built *1888*

nes made at

Glasgow

By whom made

Fincaid & Co. (Lim)

when made

1888

ers made at

Glasgow

By whom made

H. Wallace and Co.

when made

1888

ll by rules

stered Horse Power

98

Owners

J. A. Wyllie

Port belonging to

London

INES, &c.—

2 main

eter of Cylinders

Length of Stroke

No. of Rev. per minute

Point of Cut off, High Pressure

Low Pressure

eter of Screw shaft

Diam. of Tunnel shaft

Diam. of Crank shaft journals

Diam. of Crank pin

size of Crank webs

eter of screw

Pitch of screw

No. of blades

state whether moveable

total surface

of Feed pumps

diameter of ditto

Stroke

Can one be overhauled while the other is at work

of Bilge pumps

diameter of ditto

Stroke

Can one be overhauled while the other is at work

do they pump from

of Donkey Engines

Size of Pumps

Where do they pump from

all the bilge suction pipes fitted with roses

Are the roses always accessible

Are the sluices on Engine room bulkheads always accessible

of bilge injections

and sizes

Are they connected to condenser, or to circulating pump

are the pumps worked

l connections with the sea direct on the skin of the ship

Are they Valves or Cocks

ey fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Are the discharge pipes above or below the deep water line

ey each fitted with a discharge valve always accessible on the plating of the vessel

Are the blow off cocks fitted with a spigot and brass covering plate

pipes are carried through the bunkers

all pipes, cocks, valves, and pumps in connection with the machinery accessible at all times

the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilges

ere stern tube, propeller, screw shaft, and all connections examined in dry dock

e screw shaft tunnel watertight

and fitted with a sluice door

worked from

ERS, &c.—

ber of Boilers

One

Description

Multitubular

Whether Steel or Iron

all Steel.

ing Pressure

150 lbs.

Tested by hydraulic pressure to

300 lbs.

Date of test

13th July 1888.

ription of superheating apparatus or steam chest

None

each boiler be worked separately

Can the superheater be shut off and the boiler worked separately

of square feet of fire grate surface in each boiler

Description of safety valves

No. to each boiler

a of each valve

7 inches

Are they fitted with easing gear

Yes

No. of safety valves to superheater

area of each valve

they fitted with easing gear

Smallest distance between boilers and bunkers or woodwork

Diameter of boilers

gth of boilers

10'-0" description of riveting of shell long. seams

trub riv. d. butt circum. seams d. riv. lap.

Thickness of shell plates

meter of rivet holes

17/32

whether punched or drilled

drilled

pitch of rivets

5 3/4" x 2 3/8"

Lap of plating

centage of strength of longitudinal joint

80%

working pressure of shell by rules

150 lbs.

size of manholes in shell

12" x 16"

e of compensating rings

forged ring d. riv.

No. of Furnaces in each boiler

3.

side diameter

37"

length, top

7'-0"

bottom

9'-6"

thickness of plates

1/2"

description of joint

Purves's patent if rings are fitted

atest length between rings

working pressure of furnace by the rules

161 lbs.

combustion chamber plating, thickness, sides

17/32

back

17/32

top

h of stays to ditto, sides

7 3/4"

back

7 3/4"

top

7 3/4" x 7 1/2"

If stays are fitted with nuts or riveted heads

nuts inside

working pressure of plating by

rules

150 lbs.

Diameter of stays at smallest part

1 1/2" x 1 3/8"

working pressure of ditto by rules

155 lbs.

end plates in steam space, thickness

3/4" x 5/8" d. pl.

h of stays to ditto

15" x 15"

how stays are secured

d. nuts.

working pressure by rules

157 lbs.

diameter of stays at

allest part

3.75"

working pressure by rules

150 lbs.

Front plates at bottom, thickness

3/4"

Back plates, thickness

3/4"

st pitch of stays

working pressure by rules

Diameter of tubes

3 1/2"

pitch of tubes

4 3/4"

thickness of tube

ates, front

12/16

back

12/16

how stayed

Stubs

pitch of stays

9 1/2"

width of water spaces

of Superheater or Steam chest

length

thickness of plates

description of longitudinal joint

diam. of rivet holes

meter

12/16

working pressure of shell by rules

diameter of flue

thickness of plates

If stiffened with rings

& Foreign Shipping

of re

reen rings

working pressure by rules

end plates of superheater, or steam chest; thickness

how stayed

Superheater or steam chest; how connected to boiler

Lloyd's Register Foundation

DONKEY BOILER— Description *Vertical with Crosstubes (Steel)*
 Made at *Glasgow* by whom made *H. Wallace & Co* when made *1888* where fixed *Atokahola*
 Working pressure *60 lbs* tested by hydraulic pressure to *120 lbs* No. of Certificate *1980* fire grate area *16 1/2 square feet* description of safety valves *Direct spring* No. of safety valves *one* area of each *8-3/4 in* if fitted with easing gear *yes* if steam from main boilers can enter the donkey boiler *no* diameter of donkey boiler *5'-9"* length *11'-0"* description of riveting *single & double*
 Thickness of shell plates *3/8"* diameter of rivet holes *1 3/16"* whether punched or drilled *drilled* pitch of rivets *3 1/4"* lap of plating *4 1/2"*
 per centage of strength of joint *75%* thickness of crown plates *7/16"* stayed by *four 1 1/2" stays*
 Diameter of furnace, top *4'-3"* bottom *4'-7"* length of furnace *4'-10"* thickness of plates *15/32"* description of joint *lap*
 Thickness of furnace crown plates *7/16"* stayed by *as above* working pressure of shell by rules *81 lbs*
 Working pressure of furnace by rules *70 lbs* diameter of uptake *14 1/2"* thickness of plates *3/8"* thickness of water tubes *3/8"*

W. J. C. 28.7.88

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,
for H. Wallace & Co Manufacturer.
Mr. Cunningham

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

The amount of Entry Fee .. £ : : received by me,
 Special .. £ : :
 Donkey Boiler Fee .. £ : :
 Certificate (if required) .. £ : : 18
 To be sent as per margin.
 (Travelling Expenses, if any, £)

Committee's Minute **FRIDAY 31 AUGUST 1888**

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

