

Continuation of
REPORT ON MACHINERY. II.

No. 344

Port of

Received at London Office

18

No. in Survey held at
Reg. Book.

Date, first Survey

Last Survey 30.8 1897

(Number of Visits)

on the

Tons { Gross
Net

Master

Built at

By whom built

When built

Engines made at

By whom made

when made

Boilers made at

By whom made

when made

Registered Horse Power

Owners

Port belonging to

Nom. Horse Power as per Section 28

ENGINES, &c.— Description of Engines No. of Cylinders
Diameter of Cylinders Length of Stroke Revolutions per minute Diameter of Screw shaft as per rule
Diameter of Tunnel shaft as fitted Diameter of Crank shaft journals Diameter of Crank pin Size of Crank webs
Diameter of screw Pitch of screw No. of blades State whether moveable Total surface
No. of Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
No. of Bilge pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
No. of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
In Engine Room In Holds, &c.

No. of bilge injections sizes Connected to condenser, or to circulating pump Is a separate donkey suction fitted in Engine room & size
Are all the bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible
Are all connections with the sea direct on the skin of the ship Are they Valves or Cocks
Are they 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
Are they 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
What pipes are carried through the bunkers How are they protected
Are all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times
Are the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges
When were stern tube, propeller, screw shaft, and all connections examined in dry dock Is the screw shaft tunnel watertight
Is it fitted with a watertight door worked from

BOILERS, &c.— (Letter for record 5) Total Heating Surface of Boilers 923 sq ft
No. and Description of Boilers 1 Single Ended 2 s.f. Cylindrical Working Pressure 170 lbs Tested by hydraulic pressure to 340 lbs
Date of test 4/3 97 Can each boiler be worked separately — Area of fire grate in each boiler 28.3 sq ft No. and Description of safety valves to
each boiler 2 Spring valves Area of each valve 5.3 sq ft Pressure to which they are adjusted 170 lbs Are they fitted
with easing gear yes Smallest distance between boilers or uptakes and bunkers or woodwork Mean diameter of boilers 10' 4"
Length 8' 7 7/8" Material of shell plates Steel Thickness 1" Description of riveting: circum. seams Lap-d riv. long. seams P.B.L. treble riv.
Diameter of rivet holes in long. seams 1" Pitch of rivets 5 7/8" Length of plates or width of butt straps 14 1/2"
Per centages of strength of longitudinal joint rivets 100 plate 80 Working pressure of shell by rules 187 lbs Size of manhole in shell 16 x 12"
Size of compensating ring 8 3/4 x 1" No. and Description of Furnaces in each boiler 2 Morrison Material Steel Outside diameter 37 1/2"
Length of plain part top 5" bottom 8" Thickness of plates crown 15" bottom 32" Description of longitudinal joint welded No. of strengthening rings 2
Working pressure of furnace by the rules 185 Combustion chamber plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 5/8" Bottom 3/4"
Pitch of stays to ditto: Sides 8 x 7 3/4" Back 7 1/2 x 7 1/4" Top 8 5/8 x 8" stays are fitted with nuts or riveted heads Working pressure by rules 170 lbs
Material of stays Steel Diameter at smallest part 1 1/2" Area supported by each stay 54.3 sq ft Working pressure by rules 187 lbs and plates in steam space:
Material Steel Thickness 15/16" Pitch of stays 16 5/8 x 14" How are stays secured A.N. riv. W Working pressure by rules 177 lbs Material of stays Steel
Diameter at smallest part 2 1/4" Area supported by each stay 233 sq ft Working pressure by rules 202 lbs Material of Front plates at bottom Steel
Thickness 3/4" Material of Lower back plate Steel Thickness 3/4" Greatest pitch of stays 13 5/8" Working pressure of plate by rules 204 lbs
Diameter of tubes 3" Pitch of tubes 4 x 4" Material of tube plates Steel Thickness: Front 3/4" Back 3/4" Mean pitch of stays 8"
Pitch across wide water spaces 13 5/8" Working pressures by rules 216 lbs Girders to Chamber tops: Material Steel Depth and
thickness of girder at centre 7 x 1 1/4" Length as per rule 27" Distance apart 8 5/8" Number and pitch of Stays in each 2 8"
Working pressure by rules 175 lbs 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

TRI 1155-0016

DONKEY BOILER— Description

Made at	By whom made	When made	Where fixed	
Working pressure	tested by hydraulic pressure to	No. of Certificate	Fire grate area	Description of safety valves
No. of safety valves	Area of each	Pressure to which they are adjusted	If fitted with casing gear	If steam from main boilers can enter the donkey boiler
Description of riveting long. seams	Diameter of donkey boiler	Length	Material of shell plates	Thickness
Lap of plating	Per centage of strength of joint	Diameter of rivet holes	Whether punched or drilled	Pitch of rivets
Dia. of stays.	Diameter of furnace Top	Bottom	Length of furnace	Thickness of furnace plates
joint	Thickness of furnace crown plates	Stayed by	Working pressure of shell by rules	Description of
Working pressure of furnace by rules	Diameter of uptake	Thickness of uptake plates	Thickness of water tubes	

SPARE GEAR. State the articles supplied :—

The foregoing is a correct description,
Manufacturer.

F. Kadoaktch

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

Certificate (if required) to be sent to

The amount of Entry Fee..	£	:	:	When applied for,
Special	£	:	:18.....
Donkey Boiler Fee	£	:	:	When received,
Travelling Expenses (if any) £	:	:	:18.....

Committee's Minute FRI. 10 SEP 1897

Assigned

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



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Foundation