

REPORT ON MACHINERY.

No. 13536

WED. 20 MAR 1895

Port of

Received at London Office 18

No. in Survey held at _____ Date, first Survey _____ Last Survey 18
 Reg. Book. _____ (Number of Visits _____)
 on the *Donkey Bailer of S. Semiramis.* 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 _____ as fitted _____
 Diameter of Tunnel shaft _____ as per rule _____ Diameter of Crank shaft journals _____ Diameter of Crank pin _____ Size of Crank webs _____ as fitted _____
 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 *S.*) Total Heating Surface of Boilers *587 sq. ft.*
 No. and Description of Boilers *one cylindrical return tubular* Working Pressure *165 lbs* Tested by hydraulic pressure to *330 lbs*
 Date of test *7.12.94* Can each boiler be worked separately _____ Area of fire grate in each boiler *20.4* No. and Description of safety valves to _____
 each boiler *two spring loaded.* Area of each valve *3.14* Pressure to which they are adjusted *165 lbs* Are they fitted _____
 with easing gear *yes* Smallest distance between boilers or uptakes and bunkers or woodwork *12"* Mean diameter of boilers *108"*
 Length *8' 6 1/2"* Material of shell plates *Steel* Thickness *29/32"* Description of riveting: circum. seams *Lap 2 Knives* long. seams *Short 5 Knives*
 Diameter of rivet holes in long. seams *1"* Pitch of rivets *5 1/2"* Lap of plates or width of butt straps *13 3/4"*
 Per centages of strength of longitudinal joint _____ rivets *117* Working pressure of shell by rules *188 lbs* Size of manhole in shell *13x17"*
 plate *87.8* Size of compensating ring *29/32 x 8 1/2"* No. and Description of Furnaces in each boiler *one ribbed* Material *Steel* Outside diameter *45 5/8"*
 Length of plain part _____ top _____ bottom _____ Thickness of plates _____ crown _____ bottom _____ Description of longitudinal joint *welded* No. of strengthening rings _____
 Working pressure of furnace by the rules *178 lbs* Combustion chamber plates: Material *Steel* Thickness: Sides *9/16* Back *9/16* Top *9/16* Bottom *9/16*
 Pitch of stays to ditto: Sides *8x8"* Back *8x8"* Top *8x7 1/4"* If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *171 lbs*
 Material of stays *Steel* Diameter at smallest part *1 1/4"* Area supported by each stay *64 sq. in.* Working pressure by rules *181 lbs* End plates in steam space: _____
 Material *Steel* Thickness *31/32* Pitch of stays *14 1/2"* How are stays secured *1. Knives 7 washers.* Working pressure by rules *211 lbs* Material of stays *Steel*
 Diameter at smallest part *4 3/4"* Area supported by each stay *210 sq. in.* Working pressure by rules *157 lbs* Material of Front plates at bottom *Steel*
 Thickness *3/16"* Material of Lower back plate *Steel* Thickness *1/16"* Greatest pitch of stays *8"* Working pressure of plate by rules *237 lbs*
 Diameter of tubes *3 1/4"* Pitch of tubes *4 5/16"* Material of tube plates *Steel* Thickness: Front *13/16"* Back *3/4"* Mean pitch of stays *9.7*
 Pitch across wide water spaces *14 1/4"* Working pressures by rules *215 lbs* Girders to Chamber tops: Material *Iron* Depth and _____
 thickness of girder at centre *6"x2 x 5/8"* Length as per rule *22 1/2"* Distance apart *7 1/4"* Number and pitch of Stays in each *two 8"*
 Working pressure by rules *170 lbs* Superheater or Steam chest; how connected to boiler *None* 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 _____

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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 easing gear _____ If steam from main boilers can enter the donkey boiler _____ Diameter of donkey boiler _____ Length _____ Material of shell plates _____ Thickness _____
Description of riveting long. seams _____ Diameter of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____
Lap of plating _____ Per centage of strength of joint _____ Rivets _____ Thickness of shell crown plates _____ Radius of do. _____ No. of Stays to do. _____
Dia. of stays _____ Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Thickness of furnace plates _____ Description of joint _____ Thickness of furnace crown plates _____ Stayed by _____ Working pressure of shell by rules _____
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's.

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

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

Committee's Minute

FRIDAY 22 MAR 1895

Assigned



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