

REPORT ON MACHINERY.

Lon 40492

(Received in London Office) 18

No. 40492

No. in Survey held at
Reg. Book.

Date, first Survey

Last Survey

18

on the

Camilla

Tons 722 net

Master

Built at

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

ENGINES, &c.—

Description of Engines

Diameter of Cylinders Length of Stroke No. of Rev. per minute Point of Cut off, High Pressure Low Pressure

Diameter of Screw shaft Diameter of Tunnel shaft 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

Where do they pump from

No. of Donkey Engines Size of Pumps Where do they pump from

Are all the bilge suction pipes fitted with roses Are the roses always accessible Are the sluices on Engine room bulkheads always accessible

No. of bilge injections and sizes Are they connected to condenser, or to circulating pump

How are the pumps worked

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 accessible at all times

Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection 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 and fitted with a sluice door worked from

BOILERS, &c.—

Number of Boilers Description

Working Pressure Tested by hydraulic pressure to Date of test

Description of superheating apparatus or steam chest

Can each boiler be worked separately Can the superheater be shut off and the boiler worked separately

No. of square feet of fire grate surface in each boiler Description of safety valves

No. to each boiler area of each valve Are they fitted with easing gear

No. of safety valves to superheater area of each valve are they fitted with easing gear

Smallest distance between boilers and bunkers or woodwork

Diameter of boilers Length of boilers description of riveting of shell long. seams circum. seams

Thickness of shell plates diameter of rivet holes whether punched or drilled pitch of rivets

Lap of plating per centage of strength of longitudinal joint working pressure of shell by rules

Size of manholes in shell size of compensating rings

No. of Furnaces in each boiler outside diameter length, top bottom

Thickness of plates description of joint if rings are fitted greatest length between rings

Working pressure of furnace by the rules

Combustion chamber plating, thickness, sides back top

Pitch of stays to ditto sides back top

If stays are fitted with nuts or riveted heads working pressure of plating by rules

Diameter of stays at smallest part working pressure of ditto by rules

End plates in steam space, thickness pitch of stays to ditto

Working pressure by rules diameter of stays at smallest part

Front plates at bottom, thickness Back plates, thickness greatest pitch of stays

Diameter of tubes pitch of tubes thickness of tube plates, front 40492. Jan. buck.
How stayed pitch of stays width of water spaces
Diameter of Superheater or Steam chest length
Thickness of plates description of longitudinal joint diameter of rivet holes pitch of rivets
Working pressure of shell by rules Diameter of flue thickness of plates
If stiffened with rings distance between rings Working pressure by rules
End plates of superheater, or steam chest; thickness How stayed
Superheater or steam chest; how connected to boiler
S.S. "Camilla"
DONKEY BOILER— Description Vertical with two Galloway Tubes
Made at Arbroath By whom made Alex. Shanks & Son when made Nov. 1880.
Where fixed On upper deck working pressure 45 lbs. Tested by hydraulic pressure to 90 lbs. No. of Certificate
Fire grate area 10' 5" Description of safety valves Dead Weight No. of safety valves One area of each 3' 5"
If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No
Diameter of donkey boiler 4' 6" length 11' 1" description of riveting Single lap
thickness of shell plates 3/8" diameter of rivet holes 13/16" whether punched or drilled punched.
pitch of rivets 2" lap of plating 3" per centage of strength of joint 59%
thickness of crown plates 7/16" stayed by Uptake
Diameter of furnace, top 3' 3" bottom 3' 9" length of furnace 5' 6"
thickness of plates 7/16" description of joint single lap
thickness of furnace crown plates 1/2" stayed by Uptake
Working pressure of shell by rules 63.4 lbs. working pressure of furnace by rules 86.5 lbs.
diameter of uptake 14" thickness of plates 7/16" thickness of water tubes 7/16"

The foregoing is a correct description,
Manufacturer.

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

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

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

Committee's Minute Friday, June, 11th 1881.

