

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 SS. "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.—

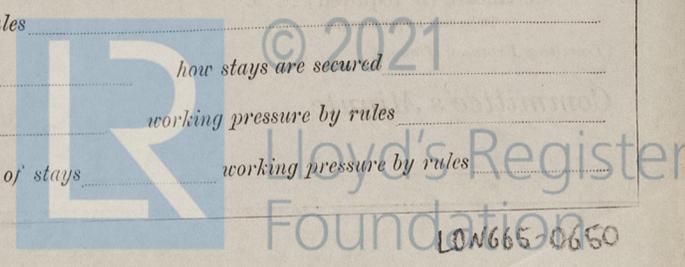
Description of Engines _____
Diameter of Cylinders _____ Length of Stroke _____ No. of Rev. per minute _____ Point of Cut off, High Pressure _____ Low Pressure _____
Diameter of Screw shaft _____ Diameter of Tunnel shaft _____ Diameter of Crank shaft journals _____ Diameter of Crank pin _____ size of 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 casing gear _____
No. of safety valves to superheater _____ area of each valve _____ are they fitted with casing 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 _____ how stays are secured _____
Working pressure by rules _____ diameter of stays at smallest part _____ working pressure by rules _____
Front plates at bottom, thickness _____ Back plates, thickness _____ greatest pitch of stays _____ working pressure by rules _____

Form No. 8, 2000 8/7/80



LON665-0650

Diameter of tubes pitch of tubes thickness of tube plates, front **40492. Jan.**
 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, £)
 Committee's Minute *Friday, June, 11th 1881.*

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

