

REPORT ON MACHINERY.

5320

5390

(Received at Lloyd's Office 25th JUNE 1883)

No. in Survey held at
Book.

Date, first Survey 23rd May '83 Last Survey 6th June 1883

on the S.S. Gytana Tons 476.78
218.87

Built at Milwall When built 1859

By whom made C. J. Holmes & Co. when made 1883

By whom made _____ when made _____

Registered Horse Power 96 Owners John Bell Port belonging to Glasgow

GINES, &c.—

Description of Engines Compound, horizontal, surface condensing.

Diameter of Cylinders 35" and 50" Length of Stroke 24" No. of Rev. per minute at 70 Point of Cut off, High Pressure 5/8 Low Pressure 2/3

Diameter of Screw shaft 9" Diameter of Tunnel shaft 9 1/8" Diameter of Crank shaft journals 9 1/8" Diameter of Crank pin 9 1/8" size of Crank webs 10" x 7 1/2"

Pitch of screw 18 fms No. of blades 4 state whether moveable No total surface ✓

Diameter of Feed pumps 5 1/8" Stroke 8" Can one be overhauled while the other is at work Yes

Diameter of Bilge pumps 5 1/8" Stroke 8" Can one be overhauled while the other is at work ✓

Where do they pump from Sea and after holds and engine bilges.

Size of Pumps 3" diam. 1 1/2" stroke Where do they pump from Sea, Sea and after holds, engine bilges and air well.

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

Are the pumps worked Yes Are they connected to condenser, or to circulating pump Circulating pump

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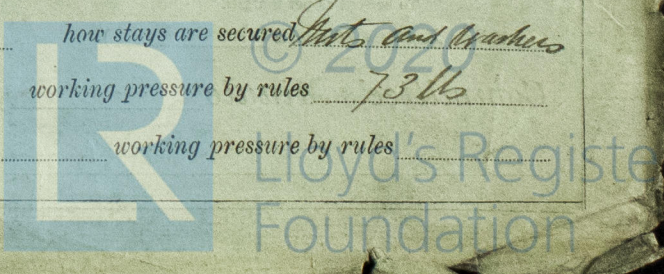
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HUL 396-0034



Diameter of tubes $1\frac{1}{2}$ " pitch of tubes $5\frac{1}{2}$ " thickness of tube plates, front $\frac{11}{16}$ " back $\frac{3}{4}$ "
How stayed stay $1\frac{1}{2}$ " dia. $\frac{1}{2}$ " pitch of stays (16×16) width of water spaces $1\frac{1}{2}$ "
Diameter of Superheater or Steam chest $4\frac{1}{2}$ " length $9\frac{3}{4}$ "
Thickness of plates $\frac{1}{2}$ " description of longitudinal joint $\frac{1}{2}$ " lap length diameter of rivet holes $1\frac{3}{16}$ " pitch of rivets $2\frac{1}{2}$ "
Working pressure of shell by rules $70\frac{1}{2}$ lb. Diameter of flue $\frac{1}{2}$ " thickness of plates $\frac{1}{2}$ "
If stiffened with rings $\frac{1}{2}$ " distance between rings $\frac{1}{2}$ " Working pressure by rules $70\frac{1}{2}$ lb.
End plates of superheater, or steam chest; thickness $\frac{1}{2}$ " How stayed $\frac{1}{2}$ " and dished, and 4 stay, $1\frac{1}{2}$ " diameter
Superheater or steam chest; how connected to boiler Angle iron ring $(\frac{1}{2} \times 4 \times \frac{1}{2})$ Angle iron $\frac{1}{2}$ " and 4 stay

DONKEY BOILER—

Description Vertical cross water tubes.
Made at London By whom made when made 16-6-82
Where fixed Atre hda working pressure 60 lbs Tested by hydraulic pressure to 120 lbs No. of Certificate 73
Fire grate area Description of safety valves Spring No. of safety valves one area of each
If fitted with easing gear If steam from main boilers can enter the donkey boiler
Diameter of donkey boiler length description of riveting
thickness of shell plates diameter of rivet holes whether punched or drilled
pitch of rivets lap of plating per centage of strength of joint
thickness of crown plates stayed by
Diameter of furnace, top bottom length of furnace
thickness of 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 plates thickness of water tubes

The foregoing is a correct description,
Manufacturer.

Donkey boiler, built under
the inspection of Society, London
473
Lloyd's Reg-
120 lbs -
C.E.S. 16-6-82

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

Cylinder, piston, slide valve and
valve, one and circulating pumps, and crosshead all in
shape, and one ridge pump & overhaul, and examined
and found in good working order (piston having had one valve and pipe fitted and
attended to Society, Rules) one main discharge valve fitted on front side, and
found cut away so as to make it accessible, and all working parts over-
hauled and put in good working order.

Main boiler examined and found to be in good condition
one stiffening rings fitted, found firm.

Donkey boiler by hydraulic pressure to 120 lbs per
sq. inch, under which pressure it showed no signs of weakness and was found tight &
strong in every respect.

Safety valve tested under steam and adjusted to admit
working pressure of 60 lbs per sq. inch.

Outside connections examined in dry dock. the proper hardened up. and one
of shaft & stem bush examined, found in good order.

The Machinery and Piles of the above found in good
and safe working condition and in my opinion eligible for the certificate
L.M.C. 6.83. in the Register.

The amount of Entry Fee £ 2: " " received by me,

Special .. £ 6: 6: 0 } Low 4.
Donkey Boiler
Certificate (if required) .. £ 2: 2: 0 }
To be sent as per margin.

(Travelling Expenses, if any, £ ..)

Committee's Minute

TUESDAY 26 JUNE 1883 18

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