

# REPORT ON MACHINERY

TUES. SEP 18 1900

Port of *Glasgow*

Received at London Office 18

No. in Survey held at *Paisley*  
g. Book. *S S Florida*

Date, first Survey *24 May '99* Last Survey *3 August 1900*

(Number of Visits *28*)

Tons { Gross *3315.*  
Net *2159.*

Master *G. Maccari* Built at *Port Glasgow* By whom built *Russell & Co.*

When built *1900*

Engines made at *Greenock* By whom made *J. G. McIncaid & Co.*

when made *1900*

Boilers made at *Paisley* By whom made *D. F. Craig & Co Ltd*

when made *1899.*

Registered Horse Power Owners *E. G. Leav Gorkolovich & Co*

Port belonging to *Lussinpiccolo*

m. Horse Power as per Section 28 *291*

Is Refrigerating Machinery fitted *no*

Is Electric Light fitted *no*

## ENGINES, &c.—Description of Engines

No. of Cylinders

No. of Cranks

| a. of Cylinders    | Length of Stroke             | Revs. per minute  | Dia. of Screw shaft | as per rule            | Lgth. of stern bush        |
|--------------------|------------------------------|-------------------|---------------------|------------------------|----------------------------|
| as per rule        | as per rule                  | as per rule       | as per rule         | as fitted              |                            |
| a. of Tunnel shaft | Dia. of Crank shaft journals | Dia. of Crank pin | Size of Crank webs  |                        | Dia. of thrust shaft under |
| as fitted          | as fitted                    | as fitted         |                     |                        |                            |
| bars               | Dia. of screw                | Pitch of screw    | No. of blades       | State whether moceable | Total surface              |

of Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work

of Bilge pumps Diameter of ditto Stroke Can one be overhauled while the other is at work

of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room In Holds, &c.

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

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

HEATERS, &c.— (Letter for record *S*) Total Heating Surface of Boilers *540 sq ft* Is forced draft fitted *no*

and Description of Boilers *One, Single Ended* Working Pressure *80 lbs* Tested by hydraulic pressure to *160 lbs*

of test *11/12/99* Can each boiler be worked separately *✓* Area of fire grate in each boiler *23 sq ft* No. and Description of safety valves to

boiler *Two direct spring* Area of each valve *4.9 sq ft* Pressure to which they are adjusted *80 lbs* Are they fitted with easing gear *yes*

Least distance between boilers or uptakes and bunkers or woodwork *bricks on deck* Mean dia. of boilers *9-0 15/32* Length *8-0* Material of shell plates *Steel*

Thickness *15/32* Range of tensile strength *29/32* Are they welded or flanged *neither* Descrip. of riveting: cir. seam *Double R Lap* long. seam *Double R Butt*

Diameter of rivet holes in long. seams *3/4"* Pitch of rivets *3-26"* Lap of plates *—* width of butt straps *7 5/8"*

Percentages of strength of longitudinal joint rivets *85.5* Working pressure of shell by rules *88 lbs* Size of manhole in shell *16" x 12"*

of compensating ring *29" x 24" x 5/8"* No. and Description of Furnaces in each boiler *Two, plain* Material *Steel* Outside diameter *32"*

Length of plain part top *63"* Thickness of plates crown *1/2"* Description of longitudinal joint *Welded* No. of strengthening rings *None*

Working pressure of furnace by the rules *138* Combustion chamber plates: Material *Steel* Thickness: Sides *1/2"* Back *1/2"* Top *1/2"* Bottom *1/2"*

Number of stays to ditto: Sides *9 1/2" x 8"* Back *9 1/2"* Top *8 1/2" x 8"* If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *85 lbs*

Material of stays *Steel* Diameter at smallest part *99 1/2"* Area supported by each stay *90 1/2 sq ft* Working pressure by rules *87* End plates in steam space:

Material *Steel* Thickness *3/4"* Pitch of stays *16" x 14"* How are stays secured *Double Nuts* Working pressure by rules *127 lbs* Material of stays *Steel*

Diameter at smallest part *2-30"* Area supported by each stay *224 sq ft* Working pressure by rules *103* Material of Front plates at bottom *Steel*

Thickness *3/4"* Material of Lower back plate *Steel* Thickness *3/4"* Greatest pitch of stays *9 1/2"* Working pressure of plate by rules *211*

Diameter of tubes *3 1/4"* Pitch of tubes *4 3/8"* Material of tube plates *Steel* Thickness: Front *3/4"* Back *2 1/32"* Mean pitch of stays *11 3/8"*

Depth across wide water spaces *1 1/4"* Working pressures by rules *84 lbs* Girders to Chamber tops: Material *Steel* Depth and

Thickness of girder at centre *1 1/2" x 1 1/4"* Length as per rule *23"* Distance apart *8 1/2"* Number and pitch of Stays in each *Two, 8"*

Working pressure by rules *85 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

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

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



GRK 352-0234  
GRK 352-0235

