

SHIP'S NAME

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## ENGINEER SURVEYOR'S REPORT ON MACHINERY.

### ENGINES.

Description *Compound Inverted Direct Acting*  
Made by *Messrs M. Paul & Co*  
When *1879* At *Gumbarton*  
Diameter of cylinder *30" x 30"* Length of stroke *24"*  
No. of revolutions per minute *95*  
Point of cut off *.6*  
Diameter of screw shaft *6 1/2" wt 6 1/4"*  
Diameter of crank shaft journals *6 1/2"*  
Diameter of screw, ~~or of paddle wheel~~ *11 1/2"*  
Pitch of screw *12 1/2" x 6"*  
No. of blades, *Four* Total surface *32 ft<sup>2</sup>*  
No. of bilge pumps *Two* and sizes *3 1/4" dia x 13 1/2" stroke*  
Do they pump from each compartment *Yes*

Are all the bilge suction pipes fitted with roses *Yes*  
No. of feed pumps *Two* and sizes *3 1/4" dia x 13 1/2" stroke*  
What gauges are there attached to the engines and boilers ... *Two Steam and one Vacuum*  
Description and size of Donkey Pumps ... *Double acting 6" dia x 6" x 13" pump*  
Where do they pump from ... *From the Sea Bilge & Tank*  
No. of bilge injections *One* and sizes *3"*  
Are they connected to air, or circulating pumps *to Circulating*  
Is there a hand pump in the engine room *Donkey pump*  
Can it be worked by the main engines *Can be worked by Hand*  
Is there a deck hose of sufficient length to reach to any part of the vessel *Yes*

### MAIN BOILERS.

Number *One* Description *Round Horizontal*  
Made by *Messrs M. Paul & Co*  
When *1879* At *Gumbarton*  
Working pressure *40 lbs*  
Tested by hydraulic pressure to *140 lbs*, Date *25.11.79*  
Description of super-heating apparatus *None*  
Can each boiler be worked separately *Yes*

Can the super-heater be shut off and the boilers worked separately *Yes*  
Description and area of safety valves on each boiler *Two Direct Spring each 4" area*  
No. of square feet of fire-grate surface in each boiler *28 ft<sup>2</sup>*  
Are there separate blow off and brine cocks on each boiler, independent of those on the vessel's skin *Yes*  
Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times *Yes*

### DONKEY BOILER.

Description *No Donkey Boiler*  
Where fixed  
Working pressure

Tested by hydraulic pressure to \_\_\_\_\_, Date \_\_\_\_\_  
Description and area of safety valves  
No. of square feet of fire grate

### PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship *Yes*  
Are they Kingston valves or common cocks ... *Screw down valves & Cocks*  
Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates ... *All fitted above*  
Are the discharge pipes above or below the deep water line *Above*  
Are they each fitted with a discharge valve on the plating of the vessel *Yes*

What pipes are carried through the bunkers *None*  
How are they protected  
When were the stern tube, propeller, screw shaft, and all connections examined in dry dock *On Slip previous to being launched*  
Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge *Yes*  
Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead *Yes*

*Matthew Paul & Co* Manufacturers

I hereby certify that the whole of the above are correct particulars of the Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Jose-Perez"* owned by *Nicasio Perez* of the Port of *Ferrol* of *297* Tons Register, and *55* Registered Horse Power, and that they have been carefully inspected and examined by me at *Gumbarton* and found to be at this date, viz., *Decr 19th* 18 *79* in good order and safe working condition.

Amount of Fee for Survey ... £ *8* : : *paid*  
(Travelling Expenses, if any, £ *2.2.0*)

*James Morrison*  
Engineer Surveyor to Lloyd's Register of Shipping.  
*Clyde District*

007342-007351-0294



It is submitted that this vessel  
is eligible to have a machinery  
certificate granted and  
+ Lloyd's No. 1279  
recorded

Milton  
29/12/79

Workmanship.

Are the butts of plating planed or otherwise fitted?

David Bruce Speerthorpe



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