

24 298 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Dec 5/8 179

No. Port Report (if any) on Hull of Vessel.

Description *Inverted, Surface Condensing*
 Made by *Rankin & Co*
 When *18 76* At *Greenock*
 Diameter of cylinder *20" & 40* Length of stroke *27" inches*
 No. of revolutions per minute *eighty six*
 Point of cut off *twenty one inches*
 Diameter of screw shaft *Seven inches 7m*
 Diameter of crank shaft journals *Seven inches 7m*
 Diameter of screw, ~~or of paddle wheel~~ *Ten feet. 10ft*
 Pitch of screw *twelve feet. 12ft*
 No. of blades, *three* Total surface *twenty seven feet*
 No. of bilge pumps *One* and sizes *2 1/2 inches*
 Do they pump from each compartment *yes*

Are all the bilge suction pipes fitted with roses *yes*
 No. of feed pumps *one* and sizes *2 1/2 inches*
 What gauges are there attached to the engines and boilers ... } *one to Boiler, and one to Engine (Barlow)*
 Description and size of Donkey Pumps ... } *one 8 & 4 inch*
 Where do they pump from ... } *Sea, Bilge, & Ballast tanks*
 No. of bilge injections *one* and sizes *3 1/2 inches*
 Are they connected to air, or circulating pumps *Circulating pump*
 Is there a hand pump in the engine room *yes*
 Can it be worked by the main engines *no*
 Is there a deck hose of sufficient length to reach to any part of the vessel } *yes*

MAIN BOILERS.

Number *one* Description *Multitubular*
 Made by *Rankin*
 When *18 76* At *Greenock*
 Working pressure *65 lb*
 Tested by hydraulic pressure to _____, Date *1876*
 Description of super-heating apparatus } *none*
 Can each boiler be worked separately _____

Can the super-heater be shut off and the boilers worked separately }
 Description and area of safety valves on each boiler } *flat surface valves 12" 5664*
 No. of square feet of fire-grate surface in each boiler } *49 feet 6 inches*
 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 *Vertical*
 Where fixed *Stoke Hold*
 Working pressure *50 lb*

Tested by hydraulic pressure to _____, Date *1876*
 Description and area of safety valves *Conical 7" 8520*
 No. of square feet of fire grate *12 feet*

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 ... } *Barman Cocks*
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates } *yes*
 Are the discharge pipes above or below the deep water line } *yes*
 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 } *December 1878*
 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*

Manufacturer.

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 *Daum* owned by *The Portland & Belfast S.N.C.* of the Port of *Portland* of *522* Tons Register, and *75* Registered Horse Power, and that they have been carefully inspected and examined by me at *Melbourne* and found to be at this date, viz., *April 23* 18 *79* in good order and safe working condition.

Amount of Fee for Survey ... £ *9:9:*
 (Travelling Expenses, if any, £ _____) *yes charged in other report S.S.*

John Sinclair
 Engineer Surveyor to Lloyd's Register of Shipping.

IRON 298-0066



It is submitted that
is eligible to have the notification
Lloyd's recorded in the
Register Book and a
certificate printed from
April 23rd 1879

Milton
5/8/79

THE REGISTER OF BUILDING AND CONSTRUCTION

ENGINEERS AND ARCHITECTS

REGISTER

SECTION VIII

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