

479

21542 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Rev 1578/178

Report (if any) on Hull of Vessel. Port Glasgow No. 4704

Description *Compound Inverted Direct Acting*
 Made by *Messrs Hutson & Corbett*
 When 18 *78* At *Glasgow*
 Diameter of cylinder *8 20" x 35"* Length of stroke *24"*
 No. of revolutions per minute {
 Point of cut off { *not ascertained*
 Diameter of screw shaft *6"*
 Diameter of crank shaft journals *4"*
 Diameter of screw, ~~or of paddle wheel~~ *9 ft 2"*
 Pitch of screw *13" 6"*
 No. of blades, *four* Total surface _____
 No. of bilge pumps *One* and sizes *3 1/4" 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 *One* and sizes *3 1/4" x 13 1/2" stroke*
 What gauges are there attached to the engines and boilers ... } *One Steam, Pressure & One Compound*
 Description and size of Donkey Pumps ... } *Double acting 4 1/2" x 9" stroke 8" x 10" stroke*
 Where do they pump from } *From the sea, bilge & Hotwell*
 No. of bilge injections *One* and sizes *3"*
 Are they connected to air, or circulating pumps } *& Circulating*
 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 *Round Horizontal*
 Made by *Messrs Hutson & Corbett*
 When 18 *78* At *Glasgow*
 Working pressure *40 lbs*
 Tested by hydraulic pressure to *140 lbs*, Date *June 25th 1878*
 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 } *Two Direct Spring each 9.6" area*
 No. of square feet of fire-grate surface in each boiler } *32 ft 2"*
 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 *Round Vertical*
 Where fixed *In Stowhold*
 Working pressure *30 lbs*

Tested by hydraulic pressure to *100 lbs*, Date *June 25th 1878*
 Description and area of safety valves *Direct Spring 9.6" area*
 No. of square feet of fire grate *10 ft 1/2"*

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 the turn of the bilge*
 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*

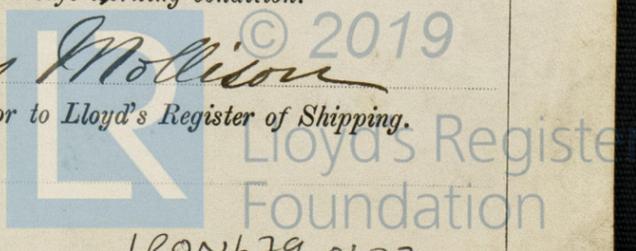
What pipes are carried through the bunkers *none*
 How are they protected _____
 When were the stern tube, propeller, screw shaft, and all connections examined in dry dock } *On ship previous to being launched*
 Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between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

Hutson & Corbett 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 *"Locadero"* owned by *Dunsey & Robinson* of the Port of *London* of *192* Tons Register, and *60* Registered Horse Power, and that they have been carefully inspected and examined by me at *Glasgow* and found to be at this date, viz., *August 12th 1878* in good order and safe working condition.

Amount of Fee for Survey ... £ *3 : 0 : 0* paid
 (Travelling Expenses, if any, £ *17 10 0*)

James Molison
 Engineer Surveyor to Lloyd's Register of Shipping.



IRON 479-0427

