

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Description *Compound Inverted Direct Acting* Are all the bilge suction pipes fitted with roses *Yes*
 Made by *Messrs Kincaid Donald & Co* No. of feed pumps *One* and sizes *3 1/2" x 14 1/2" Stroke*
 When *1872* At *Greenock* What gauges are there attached to the engines and boilers ... *Two Steam & One Vacuum*
 Diameter of cylinder *32 1/2" x 40"* Length of stroke *24"*
 No. of revolutions per minute *Not ascertained*
 Point of cut off *Not ascertained*
 Diameter of screw shaft *6 3/4"*
 Diameter of crank shaft journals *6 3/4"*
 Diameter of screw, ~~or of paddle wheel~~ *11 1/2"*
 Pitch of screw *13' 6"*
 No. of blades, *Four* Total surface *30 ft*
 No. of bilge pumps *One* and sizes *3 1/2" x 14 1/2" Stroke*
 Do they pump from each compartment *Yes*
 Description and size of Donkey Pumps ... *Double Acting 3" x 6" Stroke*
 Where do they pump from ... *From the Sea & Bilge*
 No. of bilge injections *One* and sizes *3 1/2"*
 Are they connected to air, or circulating pumps *Not Circulating*
 Is there a hand pump in the engine room *Yes*
 Can it be worked by the main engines *Hand pump worked from Deck*
 Is there a deck hose of sufficient length to reach to any part of the vessel *Yes*

MAIN BOILERS.

Number *One* Description *Round Horizontal* Can the super-heater be shut off and the boilers worked separately *Yes*
 Made by *Messrs Lobnitz Coulbourn & Co* Description and area of safety valves on each boiler ... *Two Direct Spring each 9.6" area*
 When *1876* At *Renfrew* No. of square feet of fire-grate surface in each boiler *35 ft*
 Working pressure *165 lbs* Are there separate blow off and brine cocks on each boiler, independent of those on the vessel's skin *Yes*
 Tested by hydraulic pressure to *140 lbs* Date *Dec 29th 1876* Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times ... *Yes*
 Description of super-heating apparatus *None*
 Can each boiler be worked separately *Yes*

DONKEY BOILER.

Description *Round Vertical* Tested by hydraulic pressure to *not maintained*
 Where fixed *In Storehold* Description and area of safety valves *Two Direct 3.9" area*
 Working pressure *40 lbs* No. of square feet of fire grate *8 ft*

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 ... *Yes*
 Are the discharge pipes above or below the deep water line *Near the loadline*
 Are they each fitted with a discharge valve on the plating of the vessel *All except the Donkey Discharges.*
 What pipes are carried through the bunkers *None*
 How are they protected *None*
 When were the stern tube, propeller, screw shaft, and all connections examined in dry dock *June 1st 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 *The tunnel is open in the bottom & sluice door is fitted on bulkhead*

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 *"Marguerite"* owned by *Charles Henderson*
 of the Port of *Glasgow* of *296* Tons Register, and *70* Registered Horse Power,
 and that they have been carefully inspected and examined by me at *Glasgow*
 and found to be at this date, viz., *June 26th 1878* in good order and safe working condition.

Amount of Fee for Survey ... £ *1*

(Travelling Expenses, if any, £ *1*)

Engineer Surveyor to Lloyd's Register of Shipping.