

21417

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## ENGINEER SURVEYOR'S REPORT ON MACHINERY.

### ENGINES.

Rev 6/8/78

Report (if any) on Hull of Vessel. Port Glasgow No. 4699

Description *Compound Inverted Direct Acting*  
 Made by *Messrs Kincaid Donald & Co*  
 When 18 *72* At *Greenock*  
 Diameter of cylinders *32 1/2 x 40* Length of stroke *27*  
 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 and 1/2*  
 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*

Are all the bilge suction pipes fitted with roses *Yes*  
 No. of feed pumps *One* and sizes *3 1/2 x 14 1/2 Stroke*  
 What gauges are there attached to the engines and boilers ... *Two Steam & One Vacuum*  
 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 *to 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*  
 Made by *Messrs Lobnitz Coulbourn & Co*  
 When 18 *76* At *Renfrew*  
 Working pressure *165 lbs*  
 Tested by hydraulic pressure to *140 lbs* Date *Dec 29<sup>th</sup> 1876*  
 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 9.6" area*  
 No. of square feet of fire-grate surface in each boiler *35 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 *Round Vertical*  
 Where fixed *In Stokehold*  
 Working pressure *40 lbs*

Tested by hydraulic pressure to *not ascertained*  
 Description and area of safety valves *Two straight 3.9" area*  
 No. of square feet of fire grate *8 ft<sup>2</sup>*

### 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.*  
 Manufacturer.

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 1<sup>st</sup> 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 26<sup>th</sup> 1878* in good order and safe working condition.

Amount of Fee for Survey ... £ *1*

(Travelling Expenses, if any, £ *—*)

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

