

17355. Iron.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Rev 16/11/76

Report (if any) on Hull of Vessel. Port Glasgow No. 4338

Description *Compound inverted direct acting*
 Made by *Stephens & Wainate & Coy*
 When *18⁷⁶* At *Glasgow*
 Diameter of cylinder *15³/₄ 30"* Length of stroke *18"*
 No. of revolutions per minute *120*
 Point of cut off *2⁵/₈ of stroke*
 Diameter of screw shaft *5*
 Diameter of crank shaft journals *5*
 Diameter of screw, ~~or diameter of screw~~ *6¹/₂*
 Pitch of screw *11 ft*
 No. of blades, *Three* Total surface *not ascertained*
 No. of bilge pumps *One* and sizes *3" dia x 9" stroke*
 Do they pump from each compartment *from amidships*

Are all the bilge suction pipes fitted with roses *Yes*
 No. of feed pumps *One* and sizes *3" dia x 9" stroke*
 What gauges are there attached to the engines and boilers ... *One Steam, One Vacuum & One Compound.*
 Description and size of Donkey Pumps ... *Double acting 4" dia x 8" stroke*
 Where do they pump from ... *from the sea & Engine Room bilge*
 No. of bilge injections *One* and sizes *2¹/₂"*
 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 *L. Wainate & Coy*
 When *18⁷⁶* At *Glasgow*
 Working pressure *45 lbs*
 Tested by hydraulic pressure to *150 lbs*, Date _____
 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 *One Lever Weight 15-9 Area*
 No. of square feet of fire-grate surface in each boiler *33 ft*
 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 Boilers*
 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 *All except common injection cock which is fitted in casing*
 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 ... *The Ash cooling cock is under plates, the other are all in engine room*
 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 *No, the Air & Circulating pumps discharge through the pipe which is capped above and deck*
 Manufacturer. _____

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 *No Sluice, and the door is fitted on bulkhead with covers*

Thomas Wainate & Co

I hereby certify that the whole of the above are correct particulars of the Machinery and Boilers of the Iron (or Wood) Screw (or Steam) Vessel *"Governor Albuquerque"* owned by *"Isaac Gagery"* of the Port of *Liverpool* of *85* Tons Register, and *40* Registered Horse Power, and that they have been carefully inspected and examined by me at *Glasgow* and found to be at this date, viz., *November 15th 18⁷⁶* in good order and safe working condition.

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