

251779w

S. S. Bassano
LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Report (if any) on Hull of Vessel. No. 4

Description *Vertical compound surface condensing* Are all the bilge suction pipes fitted with roses *yes*
Made by *Richardson* No. of feed pumps *2* and sizes *3 3/4" & 2 1/2"*
When *1872* At *Hartlepool* What gauges are there attached to the engines and boilers ... *3 Steam & 1 Vacuum*
Diameter of cylinder *42 1/2" & 67"* Length of stroke *36"* *able set water gauges*
No. of revolutions per minute *65* Description and size of Donkey Pumps ... *2 Heating Pump*
Point of cut off *20 3/4" & 16"* *Cy 7 3/4" Ram 4 3/8" & 9" stroke*
Diameter of screw shaft *11 inches* *Engine room - holds 4" stroke*
Diameter of crank shaft journals *12" pins & 11" journals* Where do they pump from ... *& Sea - delivers to Boiler*
Diameter of screw, or of paddle wheel *14 1/4"* *deck & harbour*
Pitch of screw *7 1/2" fine mean* No. of bilge injections *one* and sizes *4 1/4" Suction (Indiarubber valve)*
No. of blades, *3* Total surface *63* Are they connected to air, or circulating pumps *circulating*
No. of bilge pumps *2* and sizes *7 3/8" diam x 6 1/2"* Is there a hand pump in the engine room *Yes*
Do they pump from each compartment *main & after holds & Engine room* 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 *No - 1" in fire main on upper deck*

MAIN BOILERS.

Number *2* Description *Circular multitubular with small domes* Can the super-heater be shut off and the boilers worked separately *Yes*
Made by *Richardson* Description and area of safety valves on each boiler *Two dead load Ea 4 1/4" dia (each) = area 28 sq. inches*
When *1872* At *Hartlepool* No. of square feet of fire-grate surface in each boiler *44 feet*
Working pressure *65 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 _____, Date _____ Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times. *Yes - except main add when cargo is in*
Description of super-heating apparatus *none*
Can each boiler be worked separately *Yes*

DONKEY BOILER.

Description *Circular, multitubular, able made* Tested by hydraulic pressure to *100 lbs*, Date *6/11.79*
Where fixed *On deck* Description and area of safety valves *2 spring loaded Ea 3" dia area = 16.5*
Working pressure *50 lbs* No. of square feet of fire grate *16.5*

PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship *Yes* What pipes are carried through the bunkers *Bilge pump discharge*
Are they Kingston valves or common cocks ... *Crew down valves & Common cocks* How are they protected *Hard casing*
Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates ... *No* When were the stern tube, propeller, screw shaft, and all connections examined in dry dock *See Mr Milburn's report of 3 Dec 79*
Are the discharge pipes above or below the deep water line *Circulator below - & one pipe common to both Bilge pumps & Ramkey is above* Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge *Yes*
Are they each fitted with a discharge valve on the plating of the vessel *Circulator yes Bilge pump - no* Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead *Tunnel not water tight Sluice door fitted*
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 *Bassano* owned by *Messrs Wilson, Sons & Co*
the Port of *Hull* of *1179* Tons Register, and *260* Registered Horse Power,
and that they have been carefully inspected and examined by me at *Hull*
and found to be at this date, viz., *1st Dec* 1879 in good order and safe working condition.

Amount of Fee for Survey ... £ - - -

(Travelling Expenses, if any, £ - - -)

(1000/31/776.)

John B. Stevens
Engineer Surveyor to Lloyd's Register of Shipping.

at *Hull*.

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