

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Rec 15/7/96

Description *Vert. 3m. Direct Acting Compound*
 Made by *Messrs Scott of Greenock* - *Compounded by*
 When *May 1876* At *Genoa* *Messrs Pio Ferro & Co*
 Diameter of cylinder *H.P. 18"* Length of stroke *30 inches*
L.P. 53"
 No. of revolutions per minute *65*
 Point of cut off *1/4 of stroke of high pressure cyl*
 Diameter of screw shaft *8 inches*
 Diameter of crank shaft journals *8 1/4 inches*
 Diameter of screw, or of paddle wheel *11 1/2"*
 Pitch of screw *mean 18 fms*
 No. of blades, *3* Total surface *25 fms*
 No. of bilge pumps *2* and sizes *dia 3 1/4 x 16" stroke*
 Do they pump from each compartment *Yes*

Are all the bilge suction pipes fitted with roses *Yes*
 No. of feed pumps *2* and sizes *dia 3 1/4 x 16" stroke*
 What gauges are there *One to each Boiler - One on don*
 attached to the en- *Key boiler - 5 one Vacuum gauge*
 gines and boilers ... *all "Bourdon"*
 Description and size of *Donkey Pumps ...* *dia 5 1/4 x 8" stroke*
 Where do they pump *Bilge - Sea - Condenser*
 from
 No. of bilge injections *None* and sizes
 Are they connected to air, or circulating pumps
 Is there a hand pump in the engine room *No*
 Can it be worked by the main engines
 Is there a deck hose of sufficient length *Yes*
 to reach to any part of the vessel

MAIN BOILERS.

Number *2* Description *Cylindrical & Tubular*
 Made by *Messrs Pio Ferro & Co*
 When *May 1876* At *Genoa*
 Working pressure *60 lbs*
 Tested by hydraulic pressure to *120*, Date *12th July/76*
 Description of super-heating *None*
 apparatus
 Can each boiler be worked separately *Yes*

Can the super heater be shut off and
 the boilers worked separately
 Description and area of *2 lower safety valves 1 1/4 dia*
 safety valves on each *10 each boiler*
 boiler
 No. of square feet of fire-grate *38 1/4 square*
 surface in each boiler
 Are there separate blow off and *Yes*
 brine cocks on each boiler, *independent of those*
 on the vessel's skin
 Are all pipes, cocks, roses, and pumps in *Yes*
 connection with the machinery ac-
 cessible at all times.....

DONKEY BOILER.

Description *Vertical with cross tube in furnace*
 Where fixed *in stokehold*
 Working pressure *45 lbs*

Tested by hydraulic pressure to *90 lbs*, Date *June/76*
 Description and area of safety valves *one lower valve 3 1/2 inch*
 No. of square feet of fire grate *6 1/2 square*

PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea *they are fitted on cast*
 direct on the skin of the ship *Iron Cocks*
 Are they Kingston valves *one Kingston Valve for Condenser*
 or common cocks ... *all the others common Cocks*
 Are they fixed sufficiently high on *They are all under the stoke*
 the ship's side to be seen *hold plates, but easily*
 without lifting the stoke hold *accessible*
 plates
 Are the discharge pipes above *Yes*
 below the deep water line
 Are they each fitted with a discharge *Yes*
 valve on the plating of the vessel

What pipes are carried through the bunkers *None*
 How are they protected
 When were the stern tube, *The stern tube is new and*
 propeller, screw shaft, *the shafting & pedals new.*
 and all connections *by st*
 examined in dry dock
 Are the pipes, cocks, and valves *Yes*
 arranged so as to prevent *an unintentional connection*
 between the sea and the bilge
 Is the screw shaft-tunnel water *Water tight - The shaft passes*
 tight and fitted with a *through the engine room bulk*
 sluice door on bulkhead *head in a stuffing box*

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 *Moncalieri* owned by *Messrs R. Rubattino & Co*
 of the Port of *Genoa* of *420.9* Tons Register, and *120* Registered Horse Power,
 and that they have been carefully inspected and examined by me at *Genoa*
 and found to be at this date, viz., *12th of July* 18 *76* in good order and safe working condition.

Fees £ 6. 0. 0.

Francis Wiseman
 Engineer Surveyor to Lloyd's Register of Shipping