

20438 Jun

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## ENGINEER SURVEYOR'S REPORT ON MACHINERY.

### ENGINES.

Description *Compound Inverted*  
 Made by *Palmer & Co*  
 When *1870* At *Newcastle*  
 Diameter of cylinder *30 1/2* Length of stroke *33*  
 No. of revolutions per minute *65*  
 Point of cut off *Not ascertained*  
 Diameter of screw shaft *9 1/2*  
 Diameter of crank shaft journals *9 1/2*  
 Diameter of screw, ~~of paddle wheel~~ *13*  
 Pitch of screw *16*  
 No. of blades, *4* Total surface *43 ft.*  
 No. of bilge pumps *2* and sizes *6 x 7 1/2*  
 Do they pump from each compartment *to Room*

Are all the bilge suction pipes fitted with roses *yes*  
 No. of feed pumps *2* and sizes *5 x 10*  
 What gauges are there attached to the engines and boilers ... *2 Steam to boilers*  
*1 Comp 1 Vacuum*  
 Description and size of Donkey Pumps ... *(1) S. A. 4 x 6*  
*(2) S. A. 8 x 12*  
 Where do they pump from ... *(1) Sea & bilge*  
*(2) Tank & bilge*  
 No. of bilge injections *one* and sizes *6 1/4*  
 Are they connected to air, or circulating pumps *Circ.*  
 Is there a hand pump in the engine room *no*  
 Can it be worked by the main engines *yes*  
 Is there a deck hose of sufficient length to reach to any part of the vessel *yes*

### MAIN BOILERS.

Number *Two* Description *Cylindrical*  
 Made by *Victoria & NW Co*  
 When *1878* At *London*  
 Working pressure *75 lb*  
 Tested by hydraulic pressure to *150 lb*, Date  
 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 *none fitted*  
 Description and area of safety valves on each boiler ... *2 Adams Spring*  
*3 1/2 dia*  
 No. of square feet of fire-grate surface in each boiler  
 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 *Vertical*  
 Where fixed *Deck*  
 Working pressure *45 lb*

Tested by hydraulic pressure to *not known*  
 Description and area of safety valves *Dead weight*  
 No. of square feet of fire grate *2 1/4 ins dia*

### PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship *except circulating pipes*  
 Are they Kingston valves or common cocks ... *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 *Below*  
 Are they each fitted with a discharge valve on the plating of the vessel *yes*

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 *at this Survey*  
 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 tunnel*

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 *Corinna* owned by *J. Hurck*  
 of the Port of *London* of *697* Tons Register, and *190* Registered Horse Power,  
 and that they have been carefully inspected and examined by me at *London*  
 and found to be at this date, viz., *March 15* 18 *78* in good order and safe working condition.

Amount of Fee for Survey ... *See attached Report* *James Milton*  
 (Travelling Expenses, if any, £) *James Milton*  
 Engineer Surveyor to Lloyd's Register of Shipping.