

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Rev 11/11/78

Description *Inverted Com. Surface Condensing*
 Made by *Messrs Black Hawthorn*
 When *Nov 1878* At *Newcastle*
 Diameter of cylinder *30 1/2* Length of stroke *30 1/2*
 No. of revolutions per minute *about 65*
 Point of cut off *9/16*
 Diameter of screw shaft *10"*
 Diameter of crank shaft journals *10"*
 Diameter of screw, or of paddle wheel *13 ft 10 in*
 Pitch of screw *16 ft 6 in*
 No. of blades, *4* Total surface *58 1/2 sq ft*
 No. of bilge pumps *2* and sizes *4 1/2 x 19 1/2*
 Do they pump from each compartment *yes*

Are all the bilge suction pipes fitted with roses *yes*
 No. of feed pumps *2* and sizes *3 3/4" x 19 1/2"*
 What gauges are there attached to the engines and boilers ... *2 Steam & 1 Vacuum in Engine Room, 1 Steam in S.H., Ballast 8" x 10" coating*
 Description and size of Donkey Pumps ... *Feed 3 1/2 x 6", Main & Fore tanks, Sea, Engine space, Fore hold, Aft hold, both in tunnels.*
 Where do they pump from
 No. of bilge injections *1* and sizes *1 1/2" dia*
 Are they connected to air, or circulating pumps *no*
 Is there a hand pump in the engine room *no*
 Can it be worked by the main engines *Donkey can be worked by hand.*
 Is there a deck hose of sufficient length to reach to any part of the vessel } *yes*

MAIN BOILERS.

Number *Two* Description *Cy. Tubular*
 Made by *Messrs Black Hawthorn & Co*
 When *Nov 1878* At *Newcastle*
 Working pressure *75 lb*
 Tested by hydraulic pressure to *150 lb*, Date *4.10.78*
 Description of super-heating apparatus *Receivers partially in uptake*
 Can each boiler be worked separately *yes*

Can the super-heater be shut off and the boilers worked separately } *no*
 Description and area of safety valves on each boiler *2 Spring valves 3 5/8" dia = 20 1/2" area*
 No. of square feet of fire-grate surface in each boiler } *38 sq 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 pump connection with the machinery accessible at all times } *yes*

DONKEY BOILER.

Description *Upright Cylindrical*
 Where fixed *Stokehole*
 Working pressure *50 lb*

Tested by hydraulic pressure to *100 lb*, Date *25.9.78*
 Description and area of safety valves *1 dead weight 3 1/2" dia*
 No. of square feet of fire grate *20 sq ft*

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 ... } *1 Screw valve and 2 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 } *above*
 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 stem tube, propeller, screw shaft, and all connections examined in dry dock } *now*
 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 } *yes*

Black Hawthorn & Co Manufacturer.

I hereby certify that the whole of the above are correct particulars of the Machinery and Boilers of the Iron ~~(or Wood)~~

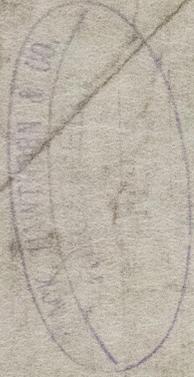
Screw ~~(or Paddle)~~ Steam Vessel *Supplicich* owned by *Deus Angier & Co*
 of the Port of *London* of *911.89* Tons Register, and *135* Registered Horse Power,
 and that they have been carefully inspected and examined by me at *Newcastle*
 and found to be at this date, viz., *5th November 1878* in good order and safe working condition.

Amount of Fee for Survey ... £ *6* : *15* : *0* } *Rev 11/11/78*
 (Travelling Expenses, if any, £ *0* : *5* : *0* } *W. Young*

John Kwekat
 Engineer Surveyor to Lloyd's Register of Shipping.
 North Shields

This vessel is eligible to have
a Machinery Certificate and
the notation Lloyd's M.C. 1178
recorded against her
name in the Register
Book. 12/11/78

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Foundation