

3578

15866 Irons

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S CERTIFICATE & REPORT.

ENGINES.

Rec 1/3/76

Description *Inverted Compound Surface Condensing* Are all the bilge suction pipes fitted with roses *yes*
 Made by *Messrs The North Eastern Marine Engineering Co.* What vacuum and steam gauges are there attached to the engines } *Vacuum gauge on Condenser*
 In the year *1876* } *1 Steam in Engine room, Common to both boilers and boilers..... 1 " on each boiler*
 Present condition *new*
 Diameter of cylinder *29 one off, & one 56*
 Length of stroke *40*
 No. of revolutions per minute *about 55*
 Point of cut off *25 ins*
 Paddle, or Screw *Screw*
 Nominal Horse Power *120*
 Diameter of screw, or of paddle wheel *15 6*
 Pitch of screw *18 feet*
 No. of blades, *4* total surface *57*
 No. of bilge pumps *2*, and size *3 1/2 dia x 40 single acting*
 Do they pump from each compartment *yes*
 Is there provision made for pumping from the wings of the stoke hold } *yes*

No. of feed pumps *2* and sizes *3 1/2 x 40 single acting*
 Description and size of Donkey Engine... } *Inverted Cyl; 7 dia 6 stroke*
 Will it feed the boilers, pump from the bilges, and pump on deck } *yes*
 Can it be driven by steam from a separate boiler } *yes*
 No. of bilge injections *1* and sizes *4 dia*
 Are they fitted with non return valves *yes*
 Is there a hand pump in the engine room, *no* (*Donkey can be used as such*)
 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*

CONNECTIONS ON HULL.

Are all connections with the sea direct on the skin of the ship } *yes*
 Are they Kingston valves or common cocks *stop 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 } *Above*
 Are they each fitted with a discharge valve on the plating of the vessel } *yes*

Are any pipes carried through the bunkers *none*
 If so state how protected _____
 When was the stern tube, propeller, screw shaft, and all connections examined in dry dock } *new*
 How are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge } *non return valves*
 Have the bilge suction non-return valves fitted or not } *not fitted*

BOILERS.

Number *Two*
 Description *Cylindrical*
 Made by *The North Eastern Marine Engineering Co.*
 In the year *1876*
 Present condition *new*
 When last extensively repaired *new*
 Working pressure *60 lbs per sq. inch*
 When tested by hydraulic pressure, *Nov 25th 1875* } *I was present*
 To what pressure tested *120 lbs per sq. inch* } *r. d.*
 Any super-heating apparatus *none*
 Describe it _____
 Can each boiler be worked separately *yes*
 Is each boiler fitted with a separate steam gauge } *yes*

Can the super-heater be shut off and the boilers worked separately } _____
 No. of safety valves on each boiler *2*
 Description and area of each safety valve *spring 3 1/2 dia - 9.6 sq. ins*
 No. of square feet of fire-grate surface in each boiler } *3 1/2*
 Is there a separate blow off and brine cock on each boiler, independent of those on the vessel's skin } *yes*
 Is the screw shaft tunnel water tight and fitted with a sluice door on bulkhead } *Tunnel is watertight sluice door fitted*
 Are all pipes, cocks, and roses in connection with these boilers accessible to the engineer at all times } *yes*

Messrs N.E.M.E. Co. (Ld)

Manufacturer.

W. Allan

I was present at the trial trip from Stockton to the Tyne July 19th 76 - Machinery worked very satisfactory Steam 60 lbs. Vacuum 26 1/2 ins. Revs 57. r. d.

I hereby certify that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "*Ascupart*" owned by *Messrs J. J. Harper & Co.* of the Port of *Southampton* of *857.73* Tons Register, and *120* Nominal Horse Power, have been carefully inspected and examined by *me* at *Sunderland and Stockton*, and found to be on this date, viz., *Feb 19th 1876* in good order and safe working condition.

Survey fee *£5-5-0*
 Certificate *£5-5-0*
 Received at *Hartlepool*
 by *W. Allan*

William Allison
 Engineer Surveyor to Lloyd's Register of Shipping.

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