

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Description *2 cyl^d Compound Inverted S.C.* Are all the bilge suction pipes fitted with roses *Yes*
 Made by *Amos & Smith* No. of feed pumps *(2)* and sizes *4" dia, 18" stroke*
 When *July* 18*84* At *Hull* What gauges are there attached to the engines and boilers ... *1 each Bilge Engine Room Steam 1 m. Strokehold for both 1 vacuum gauge*
 Diameter of cylinder *28" x 53"* Length of stroke *36"* Description and size of Donkey Pumps ... *No 1 Ballast 8" dia. 10" stroke D.A. 2 Boilers 7" dia. 10" stroke D.A.*
 No. of revolutions per minute *70* Where do they pump from ... *No 1 Tank, Engine Room, mid aft Well. No 2 Sea, Engine Room Bilge - mid aft Well.*
 Point of cut off *7/8 H.P. cylinders, 3/4 L.P. cylinders* No. of bilge injections *(1)* and sizes *5" dia*
 Diameter of screw shaft *9 3/8"* Are they connected to air, or circulating pumps *circulating*
 Diameter of crank shaft journals *9 1/4"* Is there a hand pump in the engine room *No*
 Diameter of screw, or of paddle wheel *13' 6"* Can it be worked by the main engines *No*
 Pitch of screw *18' 3"* Is there a deck hose of sufficient length to reach to any part of the vessel *Yes*
 No. of blades, *(14)* Total surface *48 sq. feet*
 No. of bilge pumps *(2)* and sizes *4" dia, 18" stroke*
 Do they pump from each compartment *Engine Room Sea - aft Well.*

MAIN BOILERS.

Number *(2)* Description *Cylindrical Tubular* Can the super-heater be shut off and the boilers worked separately *None*
 Made by *Amos & Smith* Description and area of safety valves on each boiler ... *Adams Patent, two on each boiler 3 1/2" dia - 19.2 sq. in.*
 When *July* 18*84* At *Hull* No. of square feet of fire-grate surface in each boiler *54 square 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 *130 lbs*, Date *5 June 84* Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times. *Yes*
 Description of super-heating apparatus *None Steam Receiver*
 Can each boiler be worked separately *Yes*

DONKEY BOILER.

Description *Cylindrical Vertical 3000s W. tubes* Tested by hydraulic pressure to *110 lbs reported*, Date *May 8th 84*
 Where fixed *Stokehold* Description and area of safety valves *1 dead weight 3 1/2" dia - 8.2*
 Working pressure *45 lbs per sq. inch* No. of square feet of fire grate *15 sq. feet*
made by Messrs Clarke Chapman & Barnard, Gateshead

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 *None*
 Are they Kingston valves or common cocks ... *1 Kingston 3 Stop Valves with all common Cocks* How are they protected *in*
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates *Yes* When were the stern tube, propeller, screw shaft, and all connections examined *in the dock 28th May - 84*
 Are the discharge pipes above or below the deep water line *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 *Yes* Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead *Yes,*
Amos & Smith Manufacturer. *Safety Valves tested 66 lbs. closed 63 lbs. accumulated to 67 lbs.*
Albert Dock Works *Saw Engines tried at noon 11/2 satisfactory*

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 *"Lancaster"* owned by *C. E. Stobbs*
 of the Port of *Cardiff* of *Hull* Tons Register, and *110* Registered Horse Power,
 and that they have been carefully inspected and examined by *us* at *Hull & Wallsend on 14th June*
 and found to be at this date, viz., *1st June & 14th July* 18*84* in good order and safe working condition.

Amount of Fee for Survey *£ 3 : 0 : 0* by *A. Heydell & S. W. Mann*
 (Travelling Expenses, if any, £ *0 : 5 : 0*) *we* *24th July* Engineer Surveyors to Lloyd's Register of Shipping.

Remitted to Mr. Heydell of Hull £ *5 : 10 : 0* amount of his *of 25th July 84*

Report (if any) on Hull of Vessel. No. 12647

IRON 473-0391

It is found that these Engines and Boilers
are fitted in accordance with the Committee
requirements and submitted that she is
eligible to have the notification Lloyd's
M.C. in the Register Book and a -
Machng certificate from 7th July 1877
M 29.7.77



© 2019

Lloyd's Register
Foundation