

16167 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

No. _____
Port _____
Report (if any) on Hull of Vessel. _____

Description Horizontal Trunks
 Made by J Penn & Son
 When 1855 At Greenwich
 Diameter of cylinder 30" Length of stroke 18"
 No. of revolutions per minute 90
 Point of cut off —
 Diameter of screw shaft _____
 Diameter of crank shaft journals _____
 Diameter of screw, ~~or of paddle wheel~~ 9.6"
 Pitch of screw 10.6"
 No. of blades, 2 Total surface —
 No. of bilge pumps one and sizes 1 1/2 dia 18" stroke
 Do they pump from each compartment yes

Are all the bilge suction pipes fitted with roses yes
 No. of feed pumps one and sizes 1 1/2 dia 18" stroke
 What gauges are there attached to the engines and boilers ... } one steam to each Boiler
 } one vacuum to Engine
 Description and size of Donkey Pumps ... } Double acting 3 1/2 dia. 8" stroke
 Where do they pump from ... } Engine room stoke hole
 } and fore & main holds
 No. of bilge injections one and sizes 2 3/4 dia.
 Are they connected to air, or circulating pumps Circulating
 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 to reach to any part of the vessel } yes

MAIN BOILERS.

Number two Description flat sided
 Made by Messrs Richardson Hartlepool
 When 1869 At _____
 Working pressure 30 lbs.
 Tested by hydraulic pressure to 1875 45 lbs Date 1875
 Description of super-heating apparatus } Annular in funnel
 Can each boiler be worked separately yes

Can the super-heater be shut off and the boilers worked separately } yes
 Description and area of safety valves on each boiler } Dead weight 2 on each 28.2 sq. inches area
 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 Cylindrical
 Where fixed In stokehole
 Working pressure 40 lbs.

Tested by hydraulic pressure to _____, Date —
 Description and area of safety valves 2 dead weight
 No. of square feet of fire grate —

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 ... } one Common cocks reg. other Kingston
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates } no
 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 } March 1876
 Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge } yes (this was done at this survey)
 Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead } yes

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 Peninsular owned by J Hall & Co. of the Port of London of 377 Tons Register, and 80 Registered Horse Power, and that they have been carefully inspected and examined by me at London and found to be at this date, viz., 11 April 1876 in good order and safe working condition.

William Parker
 Engineer Surveyor to Lloyd's Register of Shipping.
London