

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES. New

Description Comp^d Int^d S.A. Spec Cond^g
 Made by J. Jack & Co
 When 1878 At Liverpool
 Diameter of cylinder 51 of 45" of 26" Length of stroke 26"
 No. of revolutions per minute 60
 Point of cut off Variable from 5"
 Diameter of screw shaft 7 1/2"
 Diameter of crank shaft journals 8
 Diameter of screw, ~~or of paddle wheel~~ 10" 9"
 Pitch of screw 13" 0"
 No. of blades, 4 Total surface 35 ft.
 No. of bilge pumps 1 and sizes 3 1/2
 Do they pump from each compartment. Yes

Are all the bilge suction pipes fitted with roses Yes
 No. of feed pumps 1 and sizes 3 1/2"
 What gauges are there attached to the engines and boilers ... 2 pressure and one vacuum gauges
 Description and size of Donkey Pumps ... 2 Acting 7 1/2" Cyl^d 3 1/2" plungers
 Where do they pump from ... Sea. Bilges. W. B. Tank. and bottom to Boilers. & 9 overboard
 No. of bilge injections 1 and sizes 2"
 Are they connected to air, or circulating pumps Circulating
 Is there a hand pump in the engine room Yes
 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

MAIN BOILERS. New

Number 1 Description Cylindrical Retⁿ tubular
 Made by J. Jack & Co
 When 1877 At Liverpool
 Working pressure 70 lbs.
 Tested by hydraulic pressure to 140, Date 14th Decr 1877
 Description of super-heating apparatus Steam chest, and in uptake
 Can each boiler be worked separately One Boiler only

Can the super-heater be shut off and the boilers worked separately No
 Description and area of safety valves on each boiler ... Spring = 11.04 each 2 of
 No. of square feet of fire-grate surface in each boiler 45 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 pumps in connection with the machinery accessible at all times. Yes

DONKEY BOILER. New

Description Cylindrical Retⁿ tubular
 Where fixed On deck
 Working pressure 60 lbs.

Tested by hydraulic pressure to 125 Stated, Date —
 Description and area of safety valves Lever load = 5.93" area
 No. of square feet of fire grate 9 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 ... Common cocks & chests
 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
James Jack & Co Manufacturer.

What pipes are carried through the bunkers Not any
 How are they protected At this time
 When were the stern tube, propeller, screw shaft, and all connections examined in dry dock At this time
 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 Engines are close to the aft peak bulkhead No tunnel or N.I. done

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 "Plantaganet" owned by J. Bacon
 of the Port of London of 535 Tons Register, and 90 HP. nominal Registered Horse Power,
 and that they have been carefully inspected and examined by me at Liverpool
 and found to be at this date, viz., 6th March 1878 in good order and safe working condition.

Amount of Fee for Survey ... £ 4 : 10 : — Rec^d 17/4/78 J. G. Kinghorn
 (Travelling Expenses, if any, £ —) J. F. L. Engineer Surveyor to Lloyd's Register of Shipping.

This vessel appears eligible to
be classed with the notation
Lloyd's No 3, 78 & to be
granted a machinery
Certificate.

1. M
23/4/78

Plantaganet
SS

26000



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Lloyd's Register
Foundation