

#18489

Report of Survey for Repairs of Engines and Boilers.

No. 26

No. in Reg. Book. Survey held at Larmer in June Date, first Survey Oct-25th/76 Last Survey April 27th 1877

174 on the S. S. Hastings Master P. D. Dore

Tons 413 663 Owners John Harris & Co Port belonging to London Classified Years assigned. 4.76 Character in Register Book. A 1

Diameter of Cylinders 38" Length of Stroke 30" Engines made at Newcastle When made 1864
Pressure of Steam 35 lbs per sq. inch Registered Horse Power 90 By whom made Messrs Palmer's Coy. Limited

Particulars of Repairs and Examination. This Vessel has been fitted with a new cylindrical tubular Boiler with mountings complete. The Engines have undergone a thorough overhaul and repair, new cylinder cover fitted to aft cylinder, both cylinders & pistons overhauled, new slide valve packet cover fitted, valve spindles lengthened to work through cover, which is fitted with glands and packing boxes. Slide valves examined, condenser tubes drawn and cleaned, all pumps examined & new valves fitted where necessary, new Air pump and Ballast pump discharge valves fitted on ships side, to above load line, having been shifted from original position in Coal Bunkers. Crank Shaft lifted & bearing brasses lined up to original centres crank shaft carefully examined this shaft has two slight flaws one in aft crank pin bearing, next forward crank extending 3 7/8" long circumferentially, & one in forward crank pin 5" long extending longitudinally along bearing. These flaws are not considered serious. Boiler Donkey Suction Cock and Ballast pump suction valve in connection with sea & bilges altered to prevent water being run into Vessel through accident or neglect. Steam Wreck Boiler examined and tested, safety valves checked and regulated to blow off at 38 lbs per sq. inch. This Vessel was in Dry Dock for screw propeller disconnected screw shaft drawn in & examined also stern tube inter Lignum vitae wood bearings renewed. Boiler Blow off, Brine, Ash Cooling, & donkey suction Cock, & Tank filling valves raised from ships bottom to round of bilge, above stowhold floors all connections on ships bottom to Engines & Boilers, & discharge valves put in good working order. The Machinery of this vessel is in good order and safe working condition and eligible to have the notification Lloyds M. C. in the Register Book with certificate granted from date of last Survey.

The Amount of Fee £ 4 : - : - received by me, George W. Marshall
Certificate (if required) £ - : - : - 26 May 1877
(Travelling Expenses, if any, £ 0-7-6)
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute 18

18489 Iron

This Vessel has been fitted with "Hawards Patent" for smoke prevention
and combustion of Waste Gases unconsumed in Furnace, a
tracing of which is added to this Report.
G. W. M.



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Foundation