

# Report of Survey for Repairs of Engines and Boilers.

No. 231 on the Screw Steamer Eldorado Master Hull  
 No. in Reg. Book. 2157 Survey held at London Date, first Survey June 26<sup>th</sup> 1877 Last Survey June 26<sup>th</sup> 1877

Tons 2128 Owners J. Wilson & Co Port belonging to Hull Classed 100A1  
 Character in Register Book. #576

Diameter of Cylinder 47 1/2 Engines made at Hull When made 1873  
 Length of Stroke 50 Pressure of Steam 65 lb By whom made Scarce  
 Registered Horse Power 450

Particulars of Repairs and Examination Cylinders & Slide valves examined and found good. Condenser tested and found tight. Air pump examined and fitted with new india rubber valves. Circulating & feed pumps examined. Crank Shaft. New half fitted to after engine, the forward half condemned and the old after half fitted in its place. This half shaft has a diagonal flaw in the journal which has been made the forward one. The crank pin has several longitudinal flaws in it. These flaws have been observed for several months and have not extended at all, and are not considered dangerous. New propeller and screw shaft fitted. Bush found to be worn down a bare quarter of an inch. The brass has been chipped from between the blocks of lignum vitae. All sea connections ground in. plate renewed round port forward blow off cock. Main Boilers examined and found in good condition, all feed <sup>valves</sup> cocks and Safety valves overhauled and reground. Superheaters examined and cleaned out, afterwards the inside cement washed. The whole of the machinery and boilers are now in good and efficient condition. It is respectfully submitted that she is eligible to have a machinery certificate granted and Lloyd's M.C. recorded in the Register Book for twelve months from June 26<sup>th</sup> 1877.

The Amount of Fee ... See Attached Report ... received by me, James Milton  
 Certificate (if required) ... £ ... 187 ...  
 (Travelling Expenses, if any, £ ...)  
 Committee's Minute 20<sup>th</sup> January, 1878.

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.