

# Report of Survey for Repairs of Engines and Boilers.

No. 565 on the Machinery of the S. S. "Mary" (Number of Visits 11)  
 Date, first Survey 5<sup>th</sup> May Last Survey July 9<sup>th</sup> 1881  
 Tonnage, Gross 848 Built at W. Hartlepool When built 1871  
 Ditto, Net 547 Owners Johnston & Sons Port belonging to Montrose  
 Diameter of Cylinder 25" 4" Engines made by J. Richardson & Sons When made 1871  
 Length of Stroke 33" Boilers made by Ditto When made 1879  
 Pressure of Steam 70 lbs. If Surveyed Afloat or in Dry Dock Union Dock & Afloat (State name of Dock.)  
 Registered Horse Power 96 Years assigned 30 Character in Register Book A1  
 Last Survey No. Lloyds M. C. 2.79 Port Lloyds M. C. 2.79

Particulars of Repairs and Examination. After having been sunk by collision.  
 (State cause of Repairs.)  
 Vessel placed in dry dock all sea connections disjoined. Valves pipes & cocks cleaned & rejointed. Propeller disconnected, the tail shaft hauled in for examination & found to be in good condition, the stern bush relined & the whole replaced in an efficient manner. Cylinders examined the low pressure cylinder was found to be badly cracked in various parts, recommended that a new cylinder be fitted. The cylinders were both sent to the Works. a new low pressure cylinder has been fitted, the old piston has been refitted & a new packing ring. The high pressure piston has been faced up & new packing ring fitted. A new high pressure slide valve fitted & face turned up. Crank shaft examined found to be in good condition. This shaft has been lifted & bottom brasses properly adjusted. Thrust bearing rings lined up. Air & Circulating pumps examined & new valves fitted. Condenser cleaned. Donkey Engines repaired. Examined Main Boiler internally & externally & found it in good condition, & tested with water to 105 lbs per sq. in. Safety Valves examined found to be in good condition & tested under steam to the working pressure of 70 lbs. per sq. in. Donkey boiler examined, the upper part of this boiler passes through funnel.

General Observations, Opinion, and Recommendation:— The machinery being now in good & safe working condition renders the vessel eligible in my opinion to be marked in the Register Book with Lloyds M. C. 7.81.

Entry or Registering Fee... £ 1 : - : -  
 (per Section 27.)  
 Survey Fee (per Section 28) ... £ 7 : 7 : - received by me,  
 Certificate (if required) ... £ 2/6 4 Aug 1881  
 to be sent as per margin.  
 (Travelling Expenses, if any, £ )

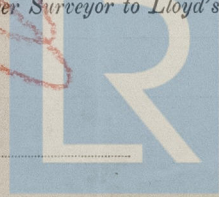
Geo. E. Milner  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

Tuesday, July, 26<sup>th</sup> 1881.

Assigned

Lloyd M. C. 7.81



Lloyd's Register  
 Foundation

LN666-0293



The machinery of this vessel has been repaired  
& thoroughly examined.  
It is submitted that the Recorded notification  
Lloyd's M.C. be renewed

CR 20/7/81

examined part of the engine of boiler together with safety valve  
chest were damaged, a new plate has been fitted & new valve  
chest the boiler tested with water to 100 lbs per sq in the safety  
valve being loaded to 65 lbs per sq in.

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Lloyd's Register  
Foundation