

# Report of Survey for Repairs of Engines and Boilers

No. *25354* (Rec'd 29.12.89)  
 No. in Reg. Book. *424* Survey held at *London* Date, first Survey *Dec 2<sup>nd</sup>* Last Survey *Dec 19* 18*79*  
 of the *'Himbladon'* Master  
 Built at *Stockton* When built *1872*  
 Tons *957* Owners *Dixon & Harris* Port belonging to *London* Years assigned *10* Character in Register Book *MAI*  
*1474* Classed *7.78*

Diameter of Cylinder *30 1/2" x 61"* Engines made at *Stockton on Tees* When made *1872*  
 Length of Stroke *39* By whom made *Messrs. Blair & Co.*  
 Pressure of Steam *6 1/2 lbs*  
 Registered Horse Power *140*

Particulars of Repairs and Examination of Engines & Boilers in accordance with the requirements of the Rules for Special Survey, R. 2 for Non Ships

This vessel was put in Lime Green Dock at this port, and undergone the following repairs — Sail and shaft. Propeller and outer bush renewed. A new wrought-iron nut fitted for securing the propeller on shaft. All sea cocks & valves on ships bottom & with outside fastenings examined and found satisfactory.

Crank shaft lifted and examined. found satisfactory, and the piston metal renewed and refitted to shaft.

Cylinders. Slides. Air. Circulating. and F. Midge pumps examined and found satisfactory. Water could be run from sea into the bilges at Midge Injection Coek: this has been attained by fitting a Return Valve.

Main Boilers opened up & examined. the Steam boxes 48" dia. not being stayed to shells of Boilers. fitted two stays in each boiler 1 1/4 inches dia. effective. fitted with double nuts. found the shells furnaces. & steam chests slightly corroded. also the longitudinal stays in steam space. back Combustion Chamber plates in places slightly bulged. recommended the plates inside to be thoroughly cleaned & cleaned. renewed 4 Cupped patches and renewed the stays with double nuts. Safety Valves found in good order. one on each boiler 4 1/4 dia. of Jerns and weight. Construction and loaded to 6 1/2 lbs per sq. in.

The Combustion Chamber sides and Crowns of both Boilers are very much bulged and in an unsafe condition. Arranged with the owners Superintendent Engineer that the use of these boilers be discontinued. and that the Main Moe be used for working Cargo.

In my opinion the vessel is eligible to have the notification B & M. 79 recorded in the Register Book, provided the boilers are again submitted for Survey within 12 months from this date.

Amount of Fee ... £ 4 : 4 : 0 received by me,

Certificate (if required) ... £ - : 2 : 6 1/11/1880

Travelling Expenses, if any, £

Committee's Minute



It is submitted that this vessel is  
obliged to have the notification  
B & M 79 recorded in the Register  
Book provided she enters the  
again submitted to survey  
within 12 months from  
this date

Milton 29/12/79



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