

# Report of Survey for Repairs of Engines and Boilers.

No.

No. in Reg. Book. Survey held at Southampton

Date, first Survey July 2<sup>nd</sup> / 75 Last Survey Aug 4<sup>th</sup> 1875

219 on the S.S. Marcasite

565 Tons

Owners Messrs Weatherly & Co Port belonging to Sunderland

Classed 90 A1

Diameter of Cylinder two 18" two 37"

Length of Stroke 30 inches

Pressure of Steam 55 lbs

Nominal Horse Power 90

Engines made at Sowerby Bridge

When made 1872

By whom made Messrs Pollet & Wigzell

Particulars of Repairs and Examination On the 26<sup>th</sup> of June the port Boiler exploded at sea (see special report) The steam domes on these Boilers had not been properly secured to the shells, new domes have been made and strengthened as per tracing attached, an extra row of stays has been added to secure the backs of Combustion Chambers to the backs of the Boilers and two 1 $\frac{1}{2}$ " stays have been added to stay the flat ends of the shells. The Boilers have been tested by hydraulic pressure to 112 lbs per square inch were found to be perfectly tight and showed no signs of alteration in form.

The arrangement of Cocks and pipes connecting the bilge and sea suction with the Sump, was altered so that it would be impossible to open them both at the same time and run the water from the sea into the ship.

The Engines were repaired as follows - pistons, slide valves, Condenser, Air and Circulating pumps, and all working parts were examined adjusted and reset, and the Safety Valves on each Boiler were loaded to a working pressure of 55 lbs per square inch.

The Engines and Boilers are now in good and efficient working condition and the vessel is in my opinion eligible to have the notification Lloyd's M.C. recorded against her name in the Register Book and a certificate granted from the 26<sup>th</sup> day of August 75.

Amount of Fee ... £ 5 : 5 : 0 received by me,

Certificate (if required) ... £ : : 4/9/ 1875

Expenses, if any, £ 2.7.6

Committee's Minute

William Parker -

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

27 Aug<sup>th</sup> 1875  
Lloyds M.C.



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(Condition of Engines and Boilers, and subsequent Repairs and Examinations, to be clearly stated.)

Space for Committee's Minute.