

Report of Survey for Repairs of Engines and Boilers.

No. 567
 No. in Reg. Book. Survey held at *Sunderland* Date, first Survey *Dec 8th* Last Survey *Dec 20th* 1880
 581 on the Machinery of the *S.S. "Charles Howard"* (Number of Visits *5*)
 Tonnage, Gross *1304* Built at *Sunderland* When built *1866*
 Ditto, Net *876* Owners *J. W. Ingham & Sons* Port belonging to *LONDON*
 Diameter of Cylinder *27" x 49"* Engines made by *Thos. & Sons Ltd. Gt. Grimsby* When made *1877*
 Length of Stroke *40"* Boilers made by *Thos. & Sons Ltd. Gt. Grimsby* When made *1877*
 Pressure of Steam *56 lbs* If Surveyed Afloat or in Dry Dock
 Registered Horse Power *120* Classified *90 A1*
 Last Survey No. *27604* Port *Iron*

Particulars of Repairs and Examination of Machinery in Consequence of repairs to Main Boilers. All plain and stay tubes removed from both boilers and a new set fitted. The tube and Combustion Chamber plates cleaned and examined and found in good condition. Bottoms of shells examined and caulked in places as required. Four small patches riveted at back ends of shells where the defective places at sanding could not be made good by caulking. Low pressure pistons examined and springs adjusted. Steam raised in Main Boilers when repairs were completed and found satisfactory. The safety valves gave at 56 lbs per sq. in.

General Observations, Opinion, and Recommendation:—The Machinery as far as seen was in good order and safe working condition and eligible in my opinion to remain as classed in the Society's Register Book. *Lloyd's M.C.*

Survey Fee ... £ 2 : 2 : : received by me, *J. W. Ingham*
 Certificate (if required) ... £ : : :
 (Travelling Expenses, if any, £ : : :)

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

Committee's Minute Tuesday January, 4th 1881.
 Assigned *B.S. 12.80*

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This submitted that this
need is eligible to have
the notification P8.12.80
added to notification
SL/10/100 8.78
M D B W
3/1/81