

Report of Survey for Repairs of Engines and Boilers.

(Rec 27 3. 80)

No. in Survey held at London Date, first Survey Mar 8th Last Survey Mar 24 1880
 Reg. Book. 315 on the S.S. Virgo Master
 Built at London When built 1870 11 yrs.
 Tons 585 Owners Gentleman Harb Port belonging to London Classified 100A1

Diameter of Cylinder 44 + 72 1/2 Engines made at London When made 1871
 Length of Stroke 54 By whom made Gourlay
 Pressure of Steam 52 lb.
 Registered Horse Power 260

Particulars of Repairs and Examination for S.S. H^o2. Vessel placed in Dry Dock, new propeller fitted, sea connections examined and found good. Stern bush examined and found to be not perceptibly worn. Engines opened up. Cylinders examined High pressure found good, Low pressure which has been cracked found good, the patches appearing perfectly sound. Crack in Lower portion of High pressure cylinder has been patched and patches found secure. Pistons examined and springs reset. Slides examined and found good. Link motion sent to shop and trued up. eccentrics & straps overhauled. Piston rod guide to forward engine found slack in crosshead, this has been properly secured. Crank shaft examined found in good condition and sound with the exception of three slight flaws in forward crank pin. Air & Circulating also fed and bilge pumps overhauled. Condenser tubes drawn & cleaned, tube plates regointed and tubes replaced and re-packed.

Boilers carefully examined sides of two furnaces where corroded cut out and renewed, lower portion of aft end of starboard boiler renewed and riveted patches fitted on ends of boilers at feed valves where the plates were pitted. Furnaces drilled in thinnest places and found to be 3/8th thick and 7/16 thick in bottom. Several tubes re-expanded. Superheaters, which are only two years old, examined, corrosion has commenced in the shells just under the funnel, guard plates have now been fitted outside, stays also found slightly corroded, in other respects found in good condition. Safety Valves ground in and set under steam to the boiler pressure of 52 lb.

The machinery and Boilers of this vessel are now in
 Entry 1 10
 The Amount of Fee ... £ 4 : 4 : 0 received by me,
 Certificate (if required) ... £ 5 : 20 1880
 Travelling Expenses, if any, £

Committee's Minute Tuesday, March, 3rd 1880
 James J. Melton
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



26281 Jan.

good order and safe working condition, and in my
opinion, render her eligible to have the notification
Lloyds M.C. 3, 80 recorded in the Register Book, subject
to the boilers being examined again in twelve months
from this date or at the next Annual Survey.

James J. Milton



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Foundation