

# Report of Survey for Repairs of Engines and Boilers.

(Recd 7-6-78)

No. 1525 on the S.S. Arena Master                       
 No. in Reg. Book.                      Survey held at London Date, first Survey May Last Survey June 1<sup>st</sup> 18 78  
 Tons 445-9 Owners W. Thornburn Port belonging to Adderwalla Classed 90A1

Diameter of Cylinder & 24 1/4 Engines made at Newcastle When made 1843  
 Length of Stroke 33 Pressure of Steam 65 lbs By whom made Thornburn Engine Works  
 Registered Horse Power 95

Particulars of Repairs and Examination Sea cocks & connections examined and found good, also propeller, Crank Shaft examined, Low pressure piston fitted with new packing ring and gunk ring turned up, Cylinder chipped and filed at top & bottom, Sea connections and bilge suction examined, found to be properly fitted.

Boiler examined, found front plate much corroded round bottom manholes, this has been repaired by plate riveted on inside, several rivets renewed at front circumference seam at bottom and boiler bottom recemented, Screwed patch fitted at back of boiler over a leaky seam, Back end plates in steam space slightly pitted;

Safety valves examined and loads checked, The machinery and boiler of this vessel are now in good order and safe working condition and, in my opinion render the vessel eligible to remain as classed.

The Amount of Fee ... £ 2 : 2 : 0 received by me, J. Milton  
 Certificate (if required) ... £ : : June 1878  
 (Travelling Expenses, if any, £                     )  
 Committee's Minute 14th June 1878.  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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

(The Surveyors are requested not to write on or below the space for Committee's Minute).