

# Report of Survey for Repairs of Engines and Boilers.

No. 35

(Received at London Office, 4/10/80)

No. in Reg. Book. Survey held at *Gothenburg* Date, first Survey *26<sup>th</sup> of Jan* Last Survey *1<sup>st</sup> of September 1880*  
*1525* on the Machinery of the *J. P. "Avena"* (Number of Visits *10*)

Tonnage, Gross	<i>728.00</i>	Built at	<i>Sunderland</i>	When built	<i>1873</i>
Ditto, Net	<i>459.00</i>	Owners	<i>W. Thornburn</i>	Port belonging to	<i>Holdevalla</i>
Diameter of Cylinder	<i>24" x 48"</i>	Engines made by	<i>Cusborne Engine Works &amp; Co Newcastle</i>	When made	<i>1873</i>
Length of Stroke	<i>33</i>	Boilers made by	<i>ditto</i>	When made	<i>ditto</i>
Pressure of Steam	<i>50 lbs</i>	If Surveyed Afloat or in Dry Dock	<i>On Slip</i>	Classed	<i>90 A.</i>
Registered Horse Power	<i>95 HP</i>			Years assigned.	
Last Survey No.		Port		Character in Register Book.	

## Particulars of Repairs and Examination

The Propeller removed and the Sternshaft drawn  
The Sternbrush repaired and Sternshaft found good  
The fastenings of the seaconnections examined and found good  
The highpressure cylinder bored and the piston made new  
The lowpressure cylinder examined and found good  
The crankshaft examined and found good  
The bearings examined and found good  
The Slidevalves planed and repaired  
The pumps, pipes, roses, cocks, and valves examined and found good  
The surfacecondensor examined and found good

The Mainboiler Taken out and examined - The repairs were as follows:  
Two shellplates and two endplates in the shell repaired  
New endplates in the combustion chamber  
Two furnaceplates repaired  
New screwstays to the Endplates  
All other materiel was examined and found good  
The safetyvalves examined and found good  
The boiler tested by hydraulic pressure the 24<sup>th</sup> of August to 100 lbs per square inch

General Observations, Opinion, and Recommendation:— I respectfully submit that I am  
of the opinion that the machinery and boiler is at this day viz the 1<sup>st</sup> of September  
1880 in good order and safe working condition

Entry or Registering Fee *1* : :  
Survey Fee ... *2* : 10 : received by me, *Chall*  
Certificate (if required) ... £ : : *18 Sept 1880*

(Travelling Expenses, if any, £ )

Committee's Minute 18

Assigned

*C. A. Moller*  
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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IRON494-0498



It is submitted that this vessel  
is eligible to have the  
notification B.M.S. 9. 80  
recorded in the  
Register Book

JM

4/10/60



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