

# Report of Survey for Repairs of Engines and Boilers.

No. 105

No. in Reg. Book. Survey held at *Hull* Date, first Survey *1<sup>st</sup> July* Last Survey *10<sup>th</sup> July* 1879.

*144* on the Ironscrew Steamer "Neptuno" Master *J. S. Lawo*

Built at *North Hylton* When built *May 1873*

Tons *855* Owners *Satham & Co* Port belonging to *Liverpool* Classified *100 A 1*  
*877* *870* *Lloyds M.C. 1.76* *5.78*

Diameter of Cylinder *28 1/2" + 36 1/2"* Engines made at *Stockton* When made

Length of Stroke *36"* Pressure of Steam *65 lbs* By whom made *Blair & Co.*

Registered Horse Power *130*

Particulars of Repairs and Examination of Boilers. on the retubing of same. also of Propeller & outer end of shaft, on vessel being placed on slipway for cleaning & painting bottom.

Both boilers retubed. - one new long stay in start boiler. - Furnace ends at front caulked

Two of Adams' patent Safety Valves. each 3 1/2" dia. Spring loaded fitted to each Boiler. Easing gear. & cross handles for turning the valves on their seats fitted to all of them.

Area of Valves to each Boiler 2 of 3 1/2" dia. = 19.24 sq. ins.

Area of Air grate - 37 sq. ft.

Propeller secure in shaft. cross key set up - outer end of shaft & hub in good order.

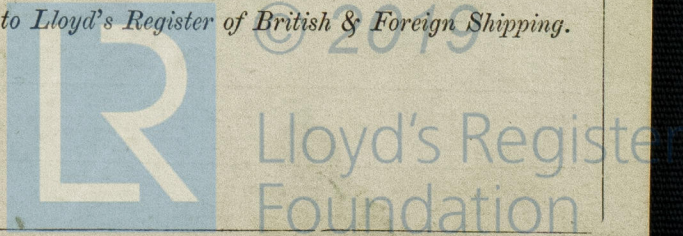
In my opinion is eligible to remain as classed.

The Amount of Fee ... £ ... received by me, Certificate (if required) ... £ ... 187 ...

Committee's Minute

18

*John B. Stevens*  
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



IRON 486-0155



The machinery of this vessel has been  
extensively repaired and is now reported  
to be in good condition, submitted that  
she is eligible to remain on current  
and have a new machinery  
certificate from 1879 also.  
Note, Trip in Pacific.  
Banks

MD 217-79



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