

# Report of Survey for Repairs of Engines and Boilers.

No. 861  
 Survey held at *Antwerp* Date, first Survey *20<sup>th</sup> July* Last Survey *27<sup>th</sup> July* 1883  
 on the Machinery of the *Iron S.S. Vanderland* (Number of Visits *Five*)  
 Displacement, Gross *2748* Built at *Newcastle* When built *1872* 8mo  
 Ditto, Net *2001* Owners *M. An' de Nanç<sup>me</sup> Belge Americaine* Port belonging to *Antwerp*  
 Diameter of Cylinder *40" and 80"* Engines made by *Palmer & Co* When made *1872*  
 Length of Stroke *42 inches* Boilers made by *J<sup>rs</sup>* When made *1872*  
 Pressure of Steam *75 lb* ☒ Surveyed Afloat ☒ in Dry Dock *City Docks* (State name of Dock.)  
 Registered Horse Power *290* Classified *+* 100 A I  
 Survey No. *S.S. Phil N<sup>o</sup> 2 81* Port *S.S. Phil N<sup>o</sup> 2 81*

## Particulars of Repairs and Examination

Examined both Cylinders and Slides, pumps, sea Connections, Boilers, shafting, thrust bearing, propeller and propeller post.

Found a rivet started in after bottom front seam of Harboard Boiler; the stern bush being found cracked, tail shaft was drawn in and stern bush backed out: found the end of stern pipe corroded and pitted.

The Remainder of Machinery, where seen, was found in good order.

Repairs done; viz: the said defective rivet replaced by a new one, the corroded part of stern pipe was bored out about  $\frac{1}{4}$ " by 12" in length and new brass bush with lignum vitae fitted.

General Observations, Opinion, and Recommendation:— I am of opinion that the Engines and Boilers of this vessel are in good and safe working condition worthy continuation of class.

Entry or Registering Fee... £ *11/7* : :  
 Survey Fee (per Section 28) ... £ *2 : 2 : 0* received by me,  
 Certificate (if required) ... £ - : - : *28<sup>th</sup> July 1883*  
 (Travelling Expenses, if any, £ )

Committee's Minute

Assigned

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



It is submitted that this vessel is eligible to remain as classed

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