

21172 Iron

# Report of Survey for Repairs of Engines and Boilers.

No. 23

No. in Reg. Book. Survey held at Antwerp

Date, first Survey 6<sup>th</sup> July Last Survey 10<sup>th</sup> July 1878

289 on the Iron S.S. Helge

Master Matthiesen

Tons 457  
691

Owners Am Ship Co. Danmark Port belonging to Copenhagen

Years assigned. Character in Register Book. AT

Diameter of Cylinder 5 21 1/8" and 42 1/8"

Engines made at

Renfrew

When made 1869

Length of Stroke 36 inches

Pressure of Steam 50 lbs

Registered Horse Power 110

By whom made

Linderson & Polburn

New Boiler made 1872

by Barmeister & Wain  
Copenhagen

## Particulars of Repairs and Examination

opened Cylinders, Slide valves and all pumps worked by the main Engines and the donkey pumps; examined crank shaft and propeller shaft; examined the pistons, Slide valves and pump valves, the Sea Connections and the vessel being in dry dock examined the propeller, propeller post and outside fastenings of the Sea Connections. Examined the main boiler and the donkey boiler, safety, stop and check valves.

Found all in good working Condition with the exception of the slide valve of the high pressure Cylinder of the aft Engine and the ballast donkey pump, wanting overhauling and a few brapes to be let together.

Repairs done: overhauled the aft high pressure slide valve and the ballast donkey pump and adjusted the brapes.

I am of opinion that the Engines and Boilers are now, to the best of my knowledge in good and safe working Condition.

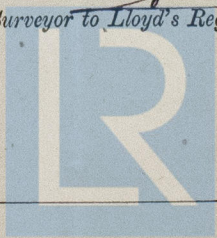
The Amount of Fee ... £ 2 : 0 : 0 received by me,

Certificate (if required) ... £ : : 187

(Travelling Expenses, if any, £ )

Committee's Minute 18

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



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Engine and Boilers have been repaired  
etc. and are reported to be in  
good condition submitted that  
the vessel is eligible to  
remain as classed.

OPD

16. 7. 78



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