

# Report of Survey for Repairs of Engines and Boilers.

No. 5.

No. in Reg. Book. Survey held at Copenhagen Date, first Survey April 29<sup>th</sup> Last Survey May 7<sup>th</sup> 1878

N. 182 on the Screw steamer "Hirtstall" Master Smith

Tons 298  
470  
438

Owners

Port belonging to

Middlesbrough

Classed

Years assigned.

Character in Register Book.

A 1

Lloyd's M.C.

Diameter of Cylinder 12" & 34"

Length of Stroke 24"

Pressure of Steam 67 lb

Registered Horse Power 70

Engines made at Northfleet

By whom made Albion Hayes

When made YEAR.  
E 1870  
B 1873

## Particulars of Repairs and Examination

The ship has struck the ground on a voyage from Stettin to Transea.

The ship was laid on blocks here and repairs made.

The propellershaft has been taken out, for fitting on a new brass-covering. A new bush, lined with white-metal is put in to the stern tube. The propeller is replaced, properly fitted and well secured to the shaft. The Kingston-valves are in good order and replaced on new plates in the ships bottom.

To day when steam was up and engines going, I observed the engines to work well and no defects at the boiler.

The Amount of Fee ... £ 1 : 1 : 0 received by me, }  
Certificate (if required) ... £ - : - : - May 7 1878. }

(Travelling Expenses, if any, £           )

Committee's Minute

24th, May. 1878.

J. Fred. Hindler.

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

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

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



The Machinery and Boiler of this vessel has been  
damaged by a small striking the ground it  
submitted has been repaired and is  
reported to be in good condition  
submitted that she is eligible to  
remain as cleared

W.D. 12.5.78



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