

# Report of Survey for Repairs of Engines and Boilers.

No. 35

No. in Reg. Book. Survey held at Sunderland Date, first Survey Nov 9<sup>th</sup> Last Survey Nov 14<sup>th</sup> 1876

155. on the Steam ship "Hartpool" 415 Tons

Owners E. J. Gourley Port belonging to Sunderland Years assigned. 1 Character in Register Book. A

Diameter of Cylinder 34 $\frac{1}{2}$  2 off Engines made at Sunderland When made 1871  
Length of Stroke 28  
Pressure of Steam 35 lbs By whom made G. Clark.  
Nominal Horse Power 70

Particulars of Repairs and Examination. Damage to the machinery, of the above named vessel, by grounding during her previous voyage to (Pantair)  
Examined the machinery when the ship was in Mr. Laing's  
Graving dock, and found small pieces were broken off the ends of  
two of the propeller blades, Injection pipe damaged, and a quantity  
of sand had got into the pumps, and surface Condenser.

The propeller was removed and the old three bladed one fitted.  
A new injection pipe fitted, and the distance pipe removed from the  
ship's bottom. The surface Condenser was cleaned. The Air and  
circulating pump buckets, repacked, and new india rubber valves were  
fitted on them.

In my opinion the engines and boilers of this vessel, are in  
good order and safe working condition.

The Amount of Fee ... £ : : received by me, }  
Certificate (if required) ... £ : : 187 }  
(Travelling Expenses, if any, £ )

Committee's Minute 18

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

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

