

# Report of Survey for Repairs of Engines and Boilers.

No. 34

No. in Reg. Book. Survey held at *Newcastle* on *1st* Date, first Survey *August 28* Last Survey *November 1876*

*527* on the *S. S. Charles Kapper*

Owners *Messrs. Hym & Norris* Port belonging to *London*

Tons *479*  
Years assigned *85* Character in Register Book *A1*  
Classed *85 A1*

Diameter of Cylinder *38" dia*

Length of Stroke *30"*

Pressure of Steam *35 lbs*

Nominal Horse Power *90*

Engines made at *Newcastle*

When made *1864*

By whom made *R. & W. Hawthorn*

## Particulars of Repairs and Examination

*Vessel placed in dry dock and Propeller examined. New after length of propeller shaft fitted. Newignum vital fitted in stern bush. Blow off sea cocks moved from flat of bottom to upper turn of bilge. Iron return valves fitted to suction pipes of both Aohkeys to prevent an unintentional communication between the sea and bilge. New Circulating Pump chamber with bucket to fit. Pistons overhauled. Bilge, feed, and air pumps examined. New boiler with new mountings on frame. New main steam pipe.*

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

(Travelling Expenses, if any, £ )

Committee's Minute

18

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



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