

# Report of Survey for Repairs of Engines and Boilers.

No. *X. 23231.*  
 No. in Reg. Book. *77* Survey held at *London* Date, first Survey *Jan 1<sup>st</sup>* Last Survey *April 3 1879*  
 on the *S. S. Charles Capper* Master  
 Built at *Newcastle* When built *1864*  
 Tons *479* Owners *Dixon & Harris* Port belonging to *London* Classified *83 A 1*  
 Years assigned. Character in Register Book.

Diameter of Cylinder *38* Engines made at *Newcastle* When made *1864*  
 Length of Stroke *30* By whom made *PTW Hawthorn* *NB 76*  
 Pressure of Steam *35 lb*  
 Registered Horse Power *90*

Particulars of Repairs and Examination. In January this vessel was fitted with new propeller shaft and the condenser opened out and several leaky tubes made good, In March the Crank shaft was examined and found good, cylinders overhauled, escape valve to do found with springs pushed up solid they have been overhauled and made good, pumps overhauled, Main Boiler examined 2 blisters found in sides of furnace crown, but not considered bad enough to be cut out, Boiler scaled and cleaned, Bottom of boiler cemented inside, Safety valves overhauled and tested under steam, found to blow off at 35 lb, the proper working pressure. The machinery and boiler of this vessel are now in good order and safe working condition and in my opinion render the vessel eligible to have a new machinery certificate granted.

Amount of Fee ... £ *3 : 3 : 0* received by me, *C. J. P.*  
 Certificate (if required) ... £ : : *16 Apr 1879*

Travelling Expenses, if any, £

Committee's Minute *18th April, 1879.*

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



Lloyd's Register  
 Foundation  
 (201484-0074)