

## Report of Survey for Repairs of Engines and Boilers.

No. in Reg. Book. *290* Survey held at *London* Date, first Survey *9 July* 18 *77*  
*301* on the Screw Steamer "*Caroline*" Master *W. J. Kenley*  
 s *413* Owners *W. J. Kenley & Co* Port belonging to *London* Built *1853*  
 Years assigned. *85A.1* Character in Register Book. *6.74*  
 Classified *—* YEAR.

Diameter of Cylinder *29"* Engines made at *London* When made *1874*  
 Length of Stroke *34* By whom made *J. Hosking*  
 Pressure of Steam *40 lbs.*  
 Registered Horse Power *70 HP.*

## Particulars of Repairs and Examination

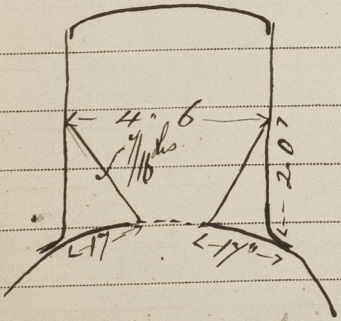
On Examination found all the parts of the Engine including crankshaft, pumps &c in good repair. Also the Boiler in fair condition. In the furnaces found several cracks from the rivet holes to edge of plate along the longitudinal landrup, but none of them had been leaking. Examined safety valves, found that the easing gear which was fitted to one valve only, so made that it might hold the valve down on its seat. This has now been altered.

Examined Donkey Boiler, found that its safety valve could be screwed down by means of spring (Salter's) to give any loaded pressure. Recommended a dead weight valve, so arranged that it could not be tampered with to be fitted. This has now been done.

Non return valve fitted to Bilge injection to prevent water running by accident from the sea into the bilge.

The whole of the machinery

The Boiler of this vessel is fitted with a dome the shell plates under it are stiffened by two gussets  $1\frac{1}{2} \times 2'0" \times \frac{7}{16}$  as shown.



The whole of the machinery and boiler are in good order and safe working condition, but as the Boiler will probably require repairs before next Special Survey it is submitted that a certificate be granted for 12 months only.

The Amount of Fee ... £ 3 : 3 : 0 received by me,  
 Certificate (if required) ... £ : : 187  
 (Travelling Expenses, if any, £ )

James Milton

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

Committee's Minute

3rd December, 1878.



Lloyd's Register Foundation

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