

# Report of Survey for Repairs of Engines and Boilers.

(Reid 10.4.78)

in Book. Survey held at London Date, first Survey \_\_\_\_\_ Last Survey 5th April 1878  
88 on the Screw Steamer Bullfa. Master \_\_\_\_\_  
 Tons 576 Owners Nixon Harris Port belonging to London Classified \_\_\_\_\_ Years assigned \_\_\_\_\_ Character in Register Book. 100 A1

Diameter of Cylinder 27 1/2 Engines made at Newcastle When made \_\_\_\_\_  
 Length of Stroke 30 By whom made Palmer & Co  
 Pressure of Steam 60 lbs  
 Registered Horse Power 90

I. Particulars of Repairs and Examination. Cylinders and slides re opened out and found good. Crankshaft examined and found in good condition and free from flaws. Sea cocks and connections ground in. Propeller refitted on shaft. Donkey Sea suction cock fitted with new plug. Ballast donkey bilge valve made non return and non return valve fitted to bilge injection to prevent water running by neglect from sea to bilge. Boilers examined and cleaned. Two patches fitted to bottom of each combustion chamber, new angle irons fitted round furnaces. Boilers caulked at bottom. Patch fitted in Superheater bottom. Safety valves examined and reground in.  
The whole of machinery has been put in good order and safe working condition, and the vessel is, in my opinion as far as the machinery is concerned eligible to remain as classed.

The Amount of Fee ... £ 2 : 2 : 0 received by me, \_\_\_\_\_  
 Certificate (if required) ... £ : : 20th Dec 1878

(Travelling Expenses, if any, £ \_\_\_\_\_)  
 Committee's Minute 42th April 1878

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

