

\* 16210

# Report of Survey for Repairs of Engines and Boilers.

No. 18  
 No. in Reg. Book. Survey held at *Arrow* Date, first Survey *1<sup>st</sup> Feb* Last Survey *April 13<sup>th</sup> 1876*  
 267 on the *S.S. "Werrington"* Tons *793*  
 Owners *John Stewart & Son* Port belonging to *Spaarlund* Classified *A 1.*  
*5.5. New No. 3-74. 11.74.*  
 Diameter of Cylinders *1-25" & 1-48"* YEAR.  
 Length of Stroke *30"* Engines made *at Arrow* and Compounded *at Arrow* When made *1863*  
 Pressure of Steam *75 lbs* By whom made *Mrs Palmer* Comp<sup>d</sup> *1876*  
 Nominal Horse Power *90*

## Particulars of Repairs and Examination

Two new boilers with mountings fitted  
 Engines Compounded by fitting two new Cylinders 25" and 48"  
 diameters respectively, with new pistons and slide valves  
 Valve gear, eccentric rods and Pulleys all new. New chamber  
 fitted in circulating Pump with bucket to suit. Packing  
 rings in bilge and feed Pumps bushed. Condenser tubes  
 drawn and cleaned. New tube plates and 240 new tubes fitted  
 in Condenser. Bilge discharges moved from below to above  
 the water line. 3 New valve seats and 4 new valves  
 fitted in feed Pumps. Non return valve fitted on bilge  
 injection Pipe to prevent unintentional Communication  
 between the sea and bilge. New braces fitted on forward crank  
 pin. Covers of crank shaft bearings removed and shaft  
 examined and all the working parts of Engines overhauled  
 and adjusted. A new after length of screw shaft and new stern  
 bush fitted.

The Amount of Fee ... £ 5 : 5 : 0 received by me,  
 Certificate required) ... £ - : 5 : - 2<sup>nd</sup> May 1876

(Travelling Expenses, if any, £ 1.0.0)

Committee's Minute 18

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



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