

* 22961

Report of Survey for Repairs of Engines and Boilers.

(Rec 13/3/79)

No. 385
No. in Reg. Book. Survey held at Sunderland Date, first Survey Jan. 31st Last Survey March 7th 1879
129 on the Screw Steamer "Usworth" Tons 331
Owners Gordon & Stamp Port belonging to London Years assigned 488
Classed A 1 Character in Register Book.

Diameter of Cylinder 36³/₈ Engines made at Sunderland When made 1869
Length of Stroke 30"
Pressure of Steam 40 lbs By whom made North Eastern Marine Engineering Coy.
Nominal Horse Power 80.

Particulars of Repairs and Examination. This vessel was put in the graving dock here, examined all the fastenings of the Sea Cocks, and propeller, and found them all in good condition; the propeller shaft had $\frac{3}{16}$ clearance at tip, in the stern bearing. Non return valve fitted to bilge pumps, and a suction pipe led from it to the fore hold, where part of the ballast tank was removed. The Cylinders were bored out, making them $36\frac{3}{8}$ diameter, New pistons fitted with top rods, bottom piston rods tied up and glands rebushed, slide valves and Cylinder faces tied up, all the pumps overhauled and Condenser cleaned. The Crank shaft was taken to the North Eastern works and the main bearings of it turned up, and new brasses fitted. Examined the Main boiler and found the dome slightly corroded. I was present when steam was raised in the Main boiler, and the spring safety valves tried and found correct at 4 lbs working pressure, with the check rings in.

In my opinion the engines and boilers of this vessel are in good order and safe working condition, and eligible for the Continuation of Lloyd's M.C. in red, in the register book.

The amount of Fee ... £ 1 : 1 : received by me, W. Allison
Certificate (if required) ... £ : : 11th March 1879
Travelling Expenses, if any, £

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

Committee's Minute 18



of Engines, Boilers, and subsequent Repairs and Examinations, to be clearly stated.)

It is submitted that this
vessel is eligible to have a
new machinery certificate
granted and Lloyd's
3.79 recorded.

BN 13/3/79



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