

# Report of Survey for Repairs of Engines and Boilers.

No. 428

No. in Reg. Book. Survey held at Sunderland

Date, first Survey July 29<sup>th</sup> Last Survey August 23<sup>rd</sup> 1879

484 on the Screw Steamer "Celsus"

Tons 655  
786

Owners Culliford & Clarke Port belonging to Sunderland

Classed 90A1

Diameter of Cylinder 24 x 50 inches

Length of Stroke 30

Engines made at Sunderland

When made 1871

Pressure of Steam 75 lbs

By whom made George Clark

Nominal Horse Power 98

Particulars of Repairs and Examination of the engines and boilers, in accordance with the requirements of the rules for Special Survey No. 2 for iron vessels, and the receiving of new Boilers.

This vessel was put in Mr Laings' graving dock here, all the sea cocks, valves, and propeller, examined, and found in good condition. The blow off, Ash, donkey boiler, and water service cocks, were removed from the bottom of the vessel to the upper turn of bilge. Recesses were made in the coal bunkers at forward end of stokehole, in order to get at the sea cocks, and sluices on bulkheads. New Main and Donkey boilers fitted with new Mountings complete. Examined the crank shaft cylinders, pistons, slide valves & pumps, and found them all in good condition. Iron return valves were fitted to the bilge suction of the fore hold, after well, and engine room, and the bilge injection valve made non return, in order to prevent sea water being run into the vessel by mistake.

In my opinion the engines and Boilers of this vessel are in good order and safe working condition, and eligible for the Notification of Lloyd's M.C. in red in the Register book and a Certificate.

The Amount of Fee ... £ 5 0

received by me, W. Allison

~~Certificate (if required)~~ ... £ 5 0

(Travelling Expenses, if any, £ 5 0)

Committee's Minute

5th September, 1879.

9th September,

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



This vessel has been fitted with new  
wheels and the coxswain to have been  
allowed in accordance with the  
Rules. It is submitted that  
she is eligible to have a  
machinery certificate granted  
and Lloyd's M.C. 879  
& N.B. 79 recorded

McMillan

5/9/79



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