

Report of Survey for Repairs of Engines and Boilers.

No. 179

No. in Reg. Book. Survey held at Hamburg

Date, first Survey August Last Survey 17th November 1876

188 on the Iron screw Steam ship "Capella"

Tons 699

Owners F. G. Schmidt

Port belonging to Hamburg

Classed Years assigned. Character in Register Book.
B 1
4, 73.

Diameter of Cylinders 29" & 52"

Length of Stroke 2' 6"

Pressure of Steam 70 lbs

Nominal Horse Power 120

Engines made at Newcastle & repaired & compounded at Hamburg

When made 1866
recd: 1876

By whom made Thompson & Co. compounded by the Reichsrieg Schiffwerft & Maschinenfabrik

Particulars of Repairs and Examination

Repairs have been carried out on a large scale.

The Engines having been converted from the common into the compound system, the Cylinders and all their fittings, pistons, valves, valve gear & surface Condenser have all been made new, also the circulating pump and two bilge pumps. Air- and feed pumps have remained, but have been properly overhauled. All sea valves and cocks are new, also the discharge valves. The Crank & screw shafting are the old ones and have been examined and the journals readjusted. The aft propeller shaft has received new gun metal lining and a new stern tube has been fitted into the ship.

The Tunnel has been made watertight and a new sluice door fitted to tunnel in the aft Engine room bulk head. A new steam donkey pump has also been supplied to the Engine room.

The main Boilers have also been renewed, together with all fittings & mountings including most of the copper piping leading to Engines etc.

Although these boilers are better proportioned than those before in respect to strength of material, the shell is not quite so strong yet as it should be according to the rule. Still, the joints being well proportioned to the whole of first class workmanship & material, I think, it may be considered sufficient, especially as the working pressure in actual service will scarcely be more than about 65 lbs on the square inch.

The donkey boiler is old but in good condition. It will receive another safety valve to make the aggregate area of the two 3.5 sq in as requested by me.

On the whole I beg to state that I consider the engines and boilers in a good & safe working condition.

[Signature]

The Amount of Fee £ 6-0-0 received by me,

Certificate (if required) £ : 187

Travelling Expenses, if any, £

Committee's Minute

18

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



Lloyd's Register Foundation