

S. S. 'Benton' X 23373.

Report of Survey for Repairs of Engines and Boilers.

No. 2
No. in Reg. Book 345 Survey held at Bundelaud Date, first Survey Feb 26th Last Survey April 25th 1879
on the S. S. 'Benton' Master J. Shotton

Tons 587 Owners Chapman & Miller Port belonging to London Years assigned 10 Character in Register Book.

Diameter of Cylinder 26" & 48" one of each Engines made at Gateshead on Tyne When made 1872
Length of Stroke 30"
Pressure of Steam 45 lbs By whom made Messrs Hawks Crawshaw & Sons
Registered Horse Power 90

Particulars of Repairs and Examination This vessel was in graving dock here and strengthened by Messrs Austin & Hunter.

A new main boiler has been supplied and fitted complete, and her machinery has received the following overhaul and repairs.

All sea-cocks and valves with their outside fastenings on bottom of ship examined and found in good condition. Removed the main boiler blow-off cock and ash and sootway boiler sea cocks from the flat of ship's bottom to the upper turn of bilge. Found the propeller and shaft in good condition as far as could be seen without disconnecting them the shaft at outer end is worn down $\frac{3}{16}$ " examined the crank shaft found it in good condition excepting the crank pins which are slightly flawed longitudinally. Both cylinders were opened up and pistons overhauled. Surface condenser examined and the tubes all drawn and cleaned and packing renewed. Altered the Eyrin room bilge and fore hold suction valves and bilge injection valve to prevent any communication between the sea and bilges. overhauled and altered the bilge and tank suction pipes as required.

Steam raised in main boiler and Engines worked satisfactorily tested and adjusted the spring safety valve to 45 lbs working pressure.

Found the sootway boiler in good condition excepting the angle iron round bottom of fire box being slightly corroded. It was loaded to 55 lbs working pressure. reduced the weights on direct loaded valves to 37 lbs working pressure.

In my opinion the machinery & boiler of this vessel are in good order and safe working condition and eligible for the Notification Lloyd's M. C. in red recorded in the Register Book

The Amount of Fee ... £ 4 : 10 : received by me, J. M. Gregor
Certificate (if required) ... £ : : 7 May 1879
(Travelling Expenses, if any, £)

Committee's Minute 18

The engine of this vessel have been
thoroughly repaired, vessel fitted
with new Boiler and all
Cocks under &c altered in
accordance with rules,
Submitted that she is
eligible to run Lloyd's
M.C. and a mch.

Certificate from

25 April 1879

N.B./79 9M
9.5.79



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