

X 23788

Report of Survey for Repairs of Engines and Boilers.

(Recd 21/6/79) 10.15

No. 174

No. in Reg. Book Supplement 10 on the *Iron S.S. "Japanese"* Master *R. Pinkham* Date, first Survey 11th and Last Survey 18th June 1879

Built at *Newcastle*

When built 1878-8th mo.

Tons 1767
1838
1204

Owners *Schlesinger, Davis & Co.* Port belonging to *London*

Classed 100 A 1
10.78

Diameter of Cylinder 32" & 6"

Length of Stroke 36"

Pressure of Steam 70 lb

Registered Horse Power 170

Engines made at *Newcastle*

When made 1878

By whom made *Messrs Hawker, Crum & Hay, & Co.*

Particulars of Repairs and Examination The Machinery of this vessel has been examined at the special request of the Owners. Cylinders and valve casings opened out for examination. High pressure cylinder & face of ports in good and satisfactory condition. Slide valve, Satisfactory. Junk ring, packing ring & Springs of piston Satisfactory. Low pressure cylinder & face of ports in good and satisfactory condition. The central web connecting face of port to web of cylinder, cracked, apparently caused by the contraction of the metal in cooling when the cylinder was cast. The crack does not in my opinion affect the strength or sufficiency of the cylinder. Junk ring, packing ring & Springs of piston Satisfactory. Condenser examined clean & satisfactory. Air & Circulating Pump buckets drawn for examination. Chambers, buckets, valves &c in good and satisfactory condition. Feed and bilge pump valves examined. Satisfactory. Recommended new stoppers of an increased size to be fitted above valves. Crank Shaft & Shafting examined throughout. Satisfactory. Main bearing & Connecting rod brasses in good & satisfactory condition. Boilers examined externally and internally. free from pitting and no indication of leakage at any part. Vessel in dry dock at South Shields on the 17th June 1878 Examined Sea cocks, propeller & Stern Shaft. Spare propeller being fitted to vessel the propeller taken off to be repaired at point of two blades and carried as spare Sea cocks & Stern Shaft Satisfactory. The above repairs being now completed, the machinery of this vessel is now in good order and safe working condition and eligible in my opinion to return for class in The Society's Register Book.

The Amount of Fee £ 3 : 3 : received by me,

Certificate (required) £ : : 20 June 1879

(Travelling Expenses, if any, £)

Committee's Minute

18

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

John P. M. M. A. L.

Lloyd's Register Foundation

IRON 485-0275

The engine and boilers of this
vessel have now been thoroughly
examined at the request of
the new owners and are
reported to be in good
condition. It is submitted
that the vessel is
eligible to have a
machinery Cert
granted from
18 June 1879
to be marked
"Lloyd's MC 679"

M
23 679



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