

Report of Survey for Repairs of Engines and Boilers.

No. 1074

No. in Reg. Book. Survey held at *South Shields*

Date, first Survey *19 December 1878* Last Survey *13 March 1879*

908 on the *Iron S.S. "Spartan"*

Master *Patterson*

Built at *Glasgow*

When built *1868-9 mo.*

Tons *916*
1263
1194

Owners *M. Spantali*

Port belonging to *London*

Classed *A* Character in Register Book *12.75*

Diameter of Cylinder *Two 36"*

Length of Stroke *42"*

Pressure of Steam *40 lbs*

Registered Horse Power *150*

Engines made at *Port Glasgow*

When made *1868*

By whom made *Blackwood & Gordon*

NB *1875*

Particulars of Repairs and Examination *The Boilers of this vessel having been examined by the Surveyors of this Society as per Secretary's Letter of the 18th December 1878, and reported on. See Letter to Secretary dated the 23rd December 1878. Have now been repaired as per Secretary's Letter to the Managing Owner 11th January 1879. copy of which was forwarded to this port for Surveyors information and guidance.*

After the tubes were removed and the Boilers cleaned for inspection, with the exception of a few slight cracks in the fore part of water bridges at ends of furnaces to be repaired, and several rivets in bottom of shells to be renewed. The plates of Boilers were found in good condition. The spaces occupied by the horizontal tubes in the upper boxes which were removed, have been filled up by new vertical tubes, making a considerable addition to the heating surface of the boilers, without obstructing the draught. The Boilers were tested by water to one and a half times the working pressure and found satisfactory.

The Engines generally overhauled. Two new Cylinders fitted. Piston rods trued in Lathe. Two new valve spindles fitted. Link Motion rebushed and overhauled, one new crank pin brass. Fly wheel fitted to Engines, between thrust and first tunnel bearings. Engine Nelsons cut for clearance to fly wheel, compensated for same by strong knees fastened to aft bulkhead, extending four feet forward and securely fastened to Nelsons.

The Machinery of this vessel is now in good order and safe working condition, and eligible in my opinion to retain her class in the Society's Register Book.

The Amount of Fee ... £ 3 : 3 : 0 received by me.

Certificate (if required) ... £ - : - : 194 1879

(Travelling Expenses, if any, £)

Committee's Minute

22/4/79

22nd April, 1879.

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

North Shields

Lloyd's Register

Herein the Librarian Lloyd's Register Report No 10431.

TRW

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