

Report of Survey for Repairs of Engines and Boilers.

Recd 31. 3. 79

No.

No. in Reg. Book. Survey held at

London

Date, first Survey March 8 Last Survey March 25th 1879

745 on the

Mary Nixon

Master

Built at

Newcastle

When built

1865

Tons

587

Owners

Fenwick & Sons

Port belonging to

Newcastle

Classed

Years assigned.

Character in Register Book.

A1

8.77

Diameter of Cylinder

26" & 31"

Length of Stroke

30"

Engines made at

Newcastle

When made 1865

Pressure of Steam

70 lb

By whom made

Palmer & Co

Registered Horse Power

99

Particulars of Repairs and Examination. The Boilers were found to be dirty, and much deposit on the tube plates, and between the tubes, a number of tubes have been removed to clean the tube plates, and have been replaced by new tubes. New angle irons have been fitted on the ends of the boilers to take the ends of the longitudinal stays. New ends have been welded on the upper tier of stays in steam space. Two defective parts of plates have been cut out of combustion chamber, and patches riveted on, a number of defective rivets have been removed, and several defective stays in combustion chamber renewed, several seams in furnaces and ash pits caulked. The plates have been bored and found not to be less than $\frac{5}{16}$ " thick in any part. Five new stays have been put into Superheater, and a new Funnel has been fixed. The Safety valves have been examined and found in good order. They are common, lever valves loaded to 70 lbs. The Superheater valve is directly loaded to 70 lbs. The Coal bunkers have been cut away, and rebuilt to allow a free current of air around the tops of the boilers. All the cocks, and valves, and sea connections have been taken out and put in good order. The Engines have been thoroughly examined in every part. New brasses have been fitted to Connecting rods, and all brasses in Air and Circulating pumps have been adjusted. The Thrust-bearing has been lined and rebored and the shaft adjusted. The Condenser tubes have been taken out and the tube plate bored out, and the tubes packed with wood in place of indiarubber. New plugs have been fitted to the suction of the Downers to prevent the unintentional connection between the sea and bilge. The Machinery and Boilers of this Vessel are now in good order, and safe working condition, and in my opinion eligible to be retained as classed in the Register Book.

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

Certificate (if required) ... £ : : 50pl 1879

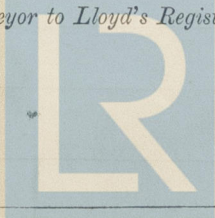
(Travelling Expenses, if any, £)

Committee's Minute

1st April,

18 79.

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



Lloyd's Register Foundation
IRON 483-0404