

Report of Survey for Repairs of Engines and Boilers.

No. 4541
 No. in Reg. Book. 48 Survey held at Port Glasgow Date, first Survey Sept 74th Last Survey January 29th 1879
1879 on the Iron P.S. "St. Clair of the Isles" Master James M. B. 73

Built at Port Glasgow When built 1860
 Tons 204 Owners Harris & Goodwin Port belonging to Glasgow Classified 12 Years assigned 6 Character in Register Book A-6.78.

Diameter of Cylinders 43" Engines made at Greenock When made 1860
 Length of Stroke 48" By whom made Macnab & Co.
 Pressure of Steam 25 Registered Horse Power 120

Particulars of Repairs and Examination. Engines generally overhauled and repaired and fitted with new link motion. One new cover fitted to starboard cylinder. Both piston rods turned up, one fitted with new nut. Bottom of starboard cylinder very much pitted and corroded, but not considered serious enough to condemn it. Two new discharge valves fitted to ship's side, discharge valves and pipes separated from bunkers and together with all cocks and valves made accessible at all times. Paddle wheels examined, a number of new floats fitted, radius rods and paddle wheel levers relubricated. Main boiler tested by water to 48 lbs per sq. inch, and found satisfactory; several plates bulged in backs of combustion chambers, but not considered serious. Donkey boiler examined, strengthened in places, defects made good, afterwards tested by water to 60 lbs per inch and found satisfactory. Two new safety valves fitted to donkey boiler, and load reduced to 20 lbs per sq. inch. Bilge pipes cleared, cocks and valves overhauled, hoses cleared.

Alfred H. Alchin
 The above enumerated repairs have now been satisfactorily completed and the Engines and Boilers are in good working condition and eligible in my opinion to be noted in the Register Book Lloyd's M.C. 2.79—
James Morrison

The Amount of Fee ... £ 4:0:0 received by me, Alfred H. Alchin
 Certificate (if required) ... £ : : James Morrison 1879
 (Travelling Expenses, if any, £ 2:2:0)

Committee's Minute 18

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

