

Report of Survey for Repairs of Engines and Boilers.

No. 136 (Received at London Office, 11/3/80)
 No. in Reg. Book. Survey held at Hull Date, first Survey 3rd Decr. 79 Last Survey 28 Feb. 1880
237 on the Machinery of the iron screw steamer "Hector" (Number of Visits 12)
 Tonnage, Gross Built at Sunderland When built 1863
 Ditto, Net Owners E. J. Gourley Port belonging to Sunderland
 Diameter of Cylinders 21 3/4 x 62 Engines made by When made
 Length of Stroke 42 Boilers made by When made
 Pressure of Steam If Surveyed Afloat or in Dry Dock at the works of Earle's S. B. & Co. Hull Years assigned 90 A 1 Character in Register Book 12.77
 Registered Horse Power Hull Classed
 Last Survey No. Port

Particulars of Repairs and Examination of the Boilers & machinery, recovered from the wreck of the S. S. "Robert Dickenson" & intended to be placed on board the above named vessel.

The Cylinders have been taken asunder & re-jointed - Piston rods turned up a fresh & new brass rings fitted in glands & stuffing boxes of cylinders - Valve spindle cleaned up in the lathe, Air pump gudgeons & links taken asunder, cleaned up & refitted. Link motion all examined & put in order - Crank shaft put in lathe & cleaned. Eccentric straps taken asunder & refitted - Steam starting engine overhauled. One new bilge pump to replace broken one - Connecting rods turned up a fresh. Pistons opened & examined - Slide faces & valves examined - Found inner cleaned inside Air & circulating pumps etc.

The Boilers have been repaired as follows.

No. 1. - None new screw stays in side of one comb. chamber & one in back of another.

In the front strake of the shell, one of the long joints re-riveted. & part of cir. seams in the way of same re-riveted. - The Boiler caulked throughout.

No. 2. The two middle & the bottom plates of the back cut out & welded up where defective the plates re-riveted in place & fitted with all new screw stays to combustion Chamber backs, and these stays are fitted with nuts outside & where practicable inside the chamber (they were riveted originally).

The third strake of the shell, having been damaged has been doubled inside & out with plates 32 x 21 x 5/8" riveted on. - The stays passing thro' the doubling - all defective rivets replaced. & the Boiler caulked throughout.

Both Boilers tested in my presence by hydraulic pressure to 150 lbs. per sq. inch & showed no sign of weakness.

General Observations, Opinion, and Recommendation: - The machinery & Boilers repaired to above are now being shipped for transfer to Sunderland to be placed on board the S. S. "Hector" and I beg respectfully to submit that the Society's Surveyor at that port be instructed to complete the Survey.

Entry or Registering Fee £ 1
 Survey Fee ... £ 2 : 2 : 0 received by me,
 Certificate (if required) ... £ 2 : 6 paid 5/11/80
 (Travelling Expenses, if any, £)

Committee's Minute Tuesday, June 29th, 1880.

Assigned

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

Upt sent to Sld 20/3/80

Lloyd's Register
 Foundation

IRON 493-0436

The Survey of this vessel is to be
Completed in Sunderland submitted
that this report be forwarded to
the Surveyors at this Port for their
information and guidance

MD
1.3.80



© 2019

Lloyd's Register
Foundation