

Report of Survey for Repairs of Engines and Boilers.

No. 16

No. in Reg. Book. Survey held at Newcastle on Tyne Date, first Survey 12th March Last Survey 6th April 1877

85 on the P.B. "Baron Esq" Master J. Verbit

Tons 543 747 Owners Andwarp & Co Port belonging to Antwerp Classified 100 A1 7.75

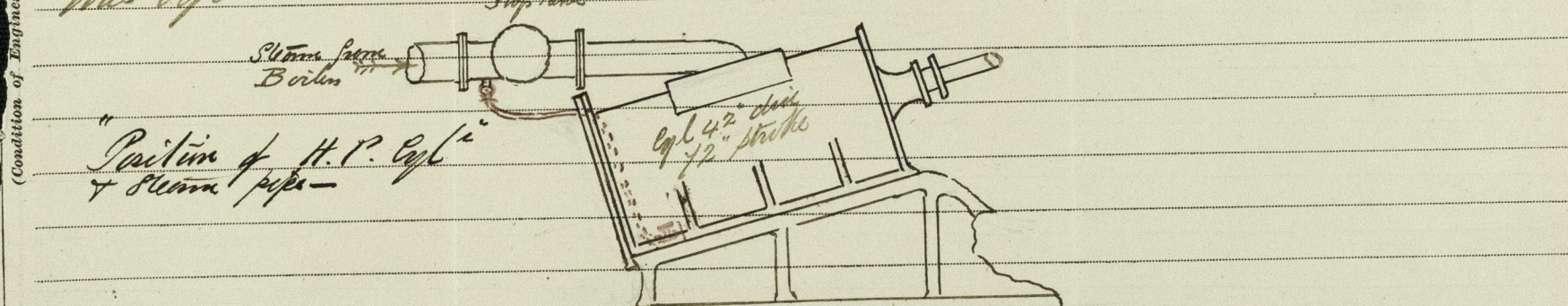
Diameter of Cylinder 42" x 48" Engines made at Newcastle When made 1875

Length of Stroke 42" Pressure of Steam 65 lbs By whom made Thompson & Co

Registered Horse Power 250

Particulars of Repairs and Examination This Vessel's High pressure Cylinder seriously Cracked about Centre in direction of circumference has been taken out and a new Cylinder fitted having new brace as in original by Messrs Thompson & Co Newcastle.

The new Cyl^r was examined by me during construction fitting on Board Vessel and when tested under steam, the Engines being tried at the same time, the Cylinder showed no signs of any defect whatever, it was observed when warming up this Cylinder & jacket which surrounds it, the Steam Stop Valve which the Steam is admitted being placed at top of Cylinder, it being in a diagonal position that the lower parts kept cool for about one hour after the top was warmed up & I have recommended that a small pipe and valve be fitted from the main Steam pipe to lower part of Jacket to be used when warming up Cylinder in order to prevent any Steam from unequal expansion liable to damage the Cyl^r.



The Machinery of this Vessel has undergone a thorough overhaul & repair including Crank Shaft which has been adjusted to Paddle Shaft having been 1/8" out of line. Low press Cyl^r Examined, & 4 Cool pipes fitted in Bottom of Piston with double springs between, all pumps overhauled, Donkey Engine Sea Suctions raised from Ships bottom to corner of Bilge, Paddle Wheels overhauled, new Lignum Vitae Wood Bushes fitted in radius Rod ends, new Brass Bushes fitted in Flot Bearings, one set of Stud Bushes over

The Amount of Fee ... £ 3 : 10 : 0 received by me, Certificate (if required) ... £ 5 : 5 : 0 14th April 1877

Travelling Expenses, if any, £ ...

Committee's Minute 17th April 1877

fitted for experiment,

Main & Steam Wreck Boilers examined & tested under steam, all Safety Valves adjusted to working pressure.

This vessel was on Slip way March 24th all connections to Engines & Boilers on Ships Bottom examined and put in good working order,

The Machinery of this Vessel is now in good order & safe working condition, and eligible to have the notated Lloyd's M.C. continued in the Register Book & new Certificate granted from date of last Survey.

George W. Mammul
Eng^r Liverpool

18147 Iron



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Foundation