

Report of Survey for Repairs of Engines and Boilers.

No. 4119 *Report on Engines No 148*
 No. in Reg. Book. Survey held at *West Hartlepool* Date, first Survey *4 Dec* Last Survey *31 January 1879*
 1123 on the *S.S. "Minerva"* Master *Martin*
 Built at *West Hartlepool* When built *1874* 9th mo
 Tons *1025* Owners *Wm Gray & Co* Port belonging to *West Hartlepool* Classified *90 A1*
 1589
 1538

Diameter of Cylinder *32 & 60* Engines made at *Stockton* When made *1874*
 Length of Stroke *39*
 Pressure of Steam *40 lbs per sq in* By whom made *Blair & Co. Lin*
 Registered Horse Power *140*

Particulars of Repairs and Examination. *Vessel placed in dry dock. Sea cocks overhauled. Propeller shaft drawn out of tube for examination. Pistons, slide valves, and pumps overhauled. New crank shaft fitted. Original shaft, which has a flaw in after middle bearing, retained in ship as spare. Spring safety valves on main boilers tested under steam and adjusted to blow off at 40 lbs per sq in. Pressure gauges tested and corrected.*

Main boilers examined. Crown plate in starboard furnace of starboard boiler renewed. Some caulking done to seams in bottom of boiler shells.

Four new stays fitted through crown of donkey boiler. Two shell plates and the angle iron for securing furnace plating to shell of donkey boiler renewed. Spring safety valve 12 1/8" dia fitted on donkey boiler and adjusted under steam to blow off at 40 lbs per sq in.

The machinery and boilers of this vessel are in good order and safe working condition and in my opinion eligible to remain as classed in the Register Book.

Should the notification Lloyd's M.C. be desired, it will be necessary to have the boilers tested, and the sea cocks moved from the flat of bottom to the upper turn of bilge, in order that the requirements of the Rules Sec. 39 may be complied with.

The Amount of Fee ... £ 4 : 4 : 0 received by me,

Certificate (if required) ... £ : : : 1 Feb 1879

(Travelling Expenses, if any, £)

Committee's Minute

18

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

West Hartlepool



Lloyd's Register Foundation

IRON 482-0321

Submitted that this vessel is
eligible to remain as classed
in the Register Book.

MD
4-1-79

Please put with last
report A.F.B.



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