

Report of Survey for Repairs of Engines and Boilers.

* 22843

No. 4143 Report on Engines No 137
 No. in Reg. Book. Survey held at West Hartlepool Date, first Survey 20 January Last Survey 21 February 1879
 on the S.S. Nellie Master Harland
 Built at West Hartlepool When built 1871 1st No.
 Tons 436 Owners G. Pyman & Co Port belonging to West Hartlepool
 681
 542
 Years assigned. Character in Register Book. 90A

Diameter of Cylinder 24 1/2 x 44 1/2 Length of Stroke 30" Engines made at Stockton on Tees When made 1871
 Pressure of Steam 65 lbs By whom made Blair & Co. (Lms)
 Registered Horse Power 80

Particulars of Repairs and Examination Vessel placed in dry dock. All Sea Cocks overhauled. Propeller shaft drawn out of tube for examination. Crank shaft lifted and white metal in main bearings renewed. Pistons, slide valves, and pumps overhauled. Dead weight safety valves removed of main boiler and two Spring valves 4" dia fitted in their place. Spring safety valves tested under steam and adjusted to blow off at a pressure of 65 lbs per sq. inch. Pressure gauges tested and corrected.

Main boiler lifted up & seams in bottom of shell rewetted. Boiler retubed. Furnace plating drilled and found to be little reduced in thickness. Plate in back of Centre Combustion Chamber partly renewed. Two stays 2" dia fitted in steam dome. Front plate of boiler between the furnaces renewed. Several screwed stays in back of Combustion Chambers renewed.

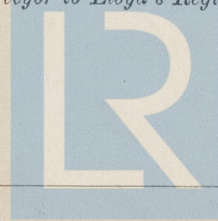
New donkey boiler. Made by H. Porter Stockton on Tees. Tested by hydraulic pressure 12th February 1879 to 140 lbs per sq. inch. Certified pressure 70 lbs per sq. inch. Test Certificate No 160. Safety valves loaded to admit of a working pressure of 43 lbs per sq. in.

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

Donkey Porter Survey Feb 2. 2. 0 Received 14 Feb 1879
 The Amount of Fee £ 3 : 3 : 0 received by me,
 Certificate (if required) ... £ : : 27 Feb 1879

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

Committee's Minute



This record machine has
been thoroughly repaired and
~~the~~ submitted that she
is eligible to remain
as claimed.

MP

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