

Report of Survey for Repairs of Engines and Boilers.

No. 508.

No. in Reg. Book. Survey held at

Seaham

Date, first Survey May 29th Last Survey June 4th 1880

(Received at London Office, 7/7/80)

on the Machinery of the

S.S. "Harriet Queen"

(Number of Visits 3)

Tonnage, Gross 494

Built at West Hartlepool

When built 1866

Ditto, Net 362

Owners Marquis of Londonderry

Port belonging to Sunderland

Diameter of Cylinder, 36" (2)

Engines made by Thompson & Woods

When made 1857

Length of Stroke 26

Boilers made by " do "

When made "

Pressure of Steam 14 lb

If Surveyed Afloat or in Dry Dock afloat.

Classed Years assigned. Character in Register Book.

Registered Horse Power 90

Last Survey No. 23630 Port

Sunderland Iron.

Particulars of Repairs and Examination of Main Boiler in consequence of the period of 12 months having expired. granted in June last year. owing to the Condition of Main Boiler.

All Man and Mudhole doors taken off. Furnace bars and bridges out. and the safety valves opened up.

On examination found the longitudinal and vertical stays in steam space corroded and wasted at the water level. The gird plates. Crown of shell and Crown of dome corroded and pitted in several places. The furnace sides at back ends very thin and in some places slightly bulged on the flat between the stays. The tubes at combustion chamber ends cracked in several places between the tubes. The backs and sides of combustion chamber thin in places and several stay faulty and nuts burned off.

Removed and made all defective stays in steam space good. Strengthened crown of dome by fitting a doubling plate outside. removed all faulty patches and stays in furnaces and drilled holes in the bottoms of the same in order to find the thickness. and fitted additional stays with nuts where required. and fitted strengthening plates at back ends of all furnace sides where the plates were found to be thin and defective. Removed and made good all defective stays in backs and sides of combustion chamber.

The safety valves were in good working order. Altered the weight and reduced the working pressure from 16 to 14 lbs per sq inch.

General Observations, Opinion, and Recommendation:— The above mentioned repairs have been executed satisfactory. This boiler is in my opinion efficient for 12 months longer. The crowns are however intended to fit new machinery and boiler into the vessel early next year. It is therefore respectfully submitted that she may remain as classed.

Entry or Registering Fee ... £ :

Survey Fee ... £ 2 : 2 : 0

Certificate (if required) ... £ :

(Travelling Expenses, if any, £ - 10 - 0)

Committee's Minute

Tuesday, July 1st 1880.

Assigned

B. S. 680

14th July for limit of 12 months.

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

J. M. C. G. G. G.

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

Lloyd's Register Foundation

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It is submitted that this vessel
is eligible to remain as
classified, and to have the
notification BS.6.80 and 14th
recorded in the Register
Book, subject to the
vessel being again
examined in 12
months

Jm.

16/7/80.



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