

Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office

15 JAN 92

No. 8120 Date of Writing Report 13th Jan 1892 Port of Hull
 No. in Reg. Book 363 Survey held at Boston Date, first Survey Dec. 28/91 Last Survey Jan. 8th 1892
 on the Machinery of the Steamer *Lizzie & Annie* Master *Barley* No. of Visits 2
 Tonnage Gross 99 Net 63 Vessel built at *H. Shields* By whom *Soptley & Co* When 1877
 Registered Horse Power 25 Engines made at *Newcastle* When 1877 Boilers, when made (Main) 1874 (Donkey) ?
 No. of Main Boilers one Owners *Boston London S. O. Co. Ltd* Port *Boston* Voyage *London*
 Steam Pressure in Main Boilers 55 If Surveyed Afloat or in Dry Dock *afloat Boston* Class of Vessel & Machinery
 in Donkey Boiler 50 (State name of Dock.) (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.)

Last Survey No. 317 Port *Hull*
 Particulars of Examination and Repairs (if any) *Boiler Survey* 11.3.84. *Lm.c. 6-90*
 (State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent repairs.) Repairs on account of Damage should be separated from
 Repairs due to other causes. State also the dates and initials of any letters respecting this case *H. 3/10/91.*

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? *Yes*
 " " Donkey " " " " *No*
 If this was not done, state for what reasons?
 And what parts of the Boilers could not be thus thoroughly examined? *Donkey Boiler too small*
 Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? *tested by hydraulic pressure to 100 lb.*
 Did the Surveyor examine the Safety Valves of the Main Boiler? *Yes*
 At what pressure were they afterwards adjusted under steam? *Had height valves*
 Did the Surveyor examine the Safety Valves of Donkey Boiler? *Yes*
 To what pressure were they afterwards adjusted? *50 lb.*

The main boiler opened out and examined internally and externally, about 14 new screw stays fitted in the combustion chamber back plate, and the front circumferential beam in way of bottom manhole fitted with doubling plate inside to protect rivet heads. The dead weight safety valve and boiler mountings overhauled and made good, new stop valve fitted to donkey engine steam pipe on dome. Tested the boiler by hydraulic pressure to 85 lb. per square inch and with the exception of one tube and several small leakages from joints found good. The slight defects being afterwards made good. Dead weight safety valve set to blow at 55 lb. per square inch.

The donkey boiler opened out and examined owing to small size could not get inside. Gunset stay angles to front plates renewed in other respects good. Tested by hydraulic pressure to 100 lb. per square inch and found tight and sound, examined under steam and safety valve found to blow at 50 lb. per square inch.

General Observations, Opinion, and Recommendation:— The boilers of this vessel (State clearly what alteration, if any, is suggested to be made in the existing classification and notification of the vessel's machinery in the Register Book, consequent upon this survey: thus, for example, B.S. 1,91, B.M.S. 1,91, or L.M.C. 1,91, as the case may be.)
 are now in my opinion in safe working condition and eligible to remain as classed. The case is respectfully submitted for the notification *B.S. 1-92* in the Register Book.

Office or Registration Fee (per Sec. 27) £ ✓ :
 Survey Fee (per Section 28) £ 1 : 10 0
 Special Damage Fee (per Section 28) £ ✓ :
 Travelling Expenses (if chargeable) £ 3 : 2 8
 Fees applied for
 14/1/1892
 R.R.
 Received by me,
 19/1/1892

*State if Certificate is required ✓

Committee's Minute TUES. 19 JAN 1892

Assigned *B.S. 1, 92*

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

No
State if a Report is also now sent on the Ship or if not whether, and when, one will be sent.

Certificate to be sent to

L. R. P. H. Form No. 2. Transfer Ink—3,000, 18/8/91
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

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THE RECORD B.S. 192

N.A.

15-1-92

[Signature]

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