

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

Date of writing Report May 20<sup>th</sup> 1895 When handed in at Local Office 15 is Port of London  
 No. in Reg. Book 297 Survey held at London Date, First Survey May 15<sup>th</sup> 1895 Last Survey May 25<sup>th</sup> 1895  
 on the Machinery of the Wood, Iron or Steel S.S. "Casel" Master Grant  
 Tonnage { Gross 448 Net 257 Vessel built at Southampton By whom Southampton Naval Works When 1891 Boilers, when made (Main) 1891 (Donkey) 1891  
 Registered Horse Power 95 Engines made at Do Owners Mead Son & Nussey Port London Voyage Guambrigue  
 No. of Main Boilers 1 No. of Donkey Boilers 1 If Surveyed in Dry Dock Finsbury St. Dr (State name of Dock.)  
 Steam Pressure in Main Boilers 160 in Donkey Boilers 80 Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. * for Special Survey. Date of last Survey and of Periodical Surveys.	Years Assigned how expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>+ 100 A.I.</u> <u>11-94</u>		<u>+ 1/2 M.C. 4-91</u>

Last Survey No. \_\_\_\_\_ Port \_\_\_\_\_  
 Particulars of Examination and Repairs (if any) Part No 1

(Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. 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 (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the date and initials of any letters respecting this case.)

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes  
 Do. " Donkey " " " " No  
 If this was not done, state for what reasons? Under steam  
 And what parts of the Boilers could not be thus thoroughly examined? "  
 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? "  
 Did the Surveyor examine the Safety Valves of the Main Boiler? Yes  
 At what pressure were they afterwards adjusted under steam? Not adjusted  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? No  
 To what pressure were they afterwards adjusted? "  
 If the Survey is not complete state what arrangements have been made for its completion? To be completed on return

The following parts of the machinery have been opened out and examined. Cylinders pistons slide valves Air circulating feed and bilge pumps, crank, thrust and tunnel shafting, all parts found in good order. Condenser also examined & watertight doors worked.

Main boiler opened out cleaned and examined. a few defective rivets renewed in combustion chamber the boiler being now in good order. Safety valves overhauled.

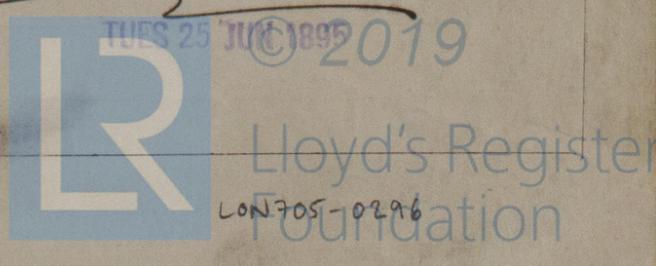
Propeller and sea connections examined & found in good order. Propeller shaft was drawn in & sid on Nov 1894 for particulars see London Report No 56003. In order to complete the survey the donkey boiler and its safety valves have to be examined, and all safety valves adjusted under steam.

General Observations, Opinion, and Recommendation: The machinery as far as seen  
(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.: thus, for example, B.S. 404, B.&N.S. 404 or L.M.C. 404, 140 lb., F.D., &c.)  
is in good order and safe working condition and in my opinion eligible for the notification + 1/2 M.C. 5-95 when the survey is completed

Office or Registration Fee (per Sec. 27).....	£ : :	Fees applied for	
Survey Fee (per Section 28).....	£ 3 : 10 : 0	31.5.18 95	AKD <sub>30</sub>
Special Damage Fee (per Section 28).....	less 10% £ - : 7 : -		
Travelling Expenses (if chargeable).....	£ 3 : 3 : -	Received by me,	
		206.18.91	

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

State if Certificate is required \_\_\_\_\_  
 Committee's Minute TUES 4 JUN 1895 TUES 18 JUN 1895  
 Assigned Deferred



16-LRPE-Report No. 4-Transfer Ink-5,000, 3/4, 35.  
 The Surveyors are requested not to write on or below the space for Committee's Minute.  
 State if a Report is also new sent on the Ship or if not whether, and when, one will be sent.  
 Insert Character of Ship and Machinery precisely as in the Register Book.