

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

(Received at London Office THUR 12 SEP 1895)

Date of writing Report 5th Sept 1895 When handed in at Local Office 5th Sept 1895 Port of Glasgow  
 No. in Reg. Book. Survey held at Glasgow Date, First Survey 29th Aug Last Survey 6th Sept 1895  
40 on the Machinery of the Wood, Iron or Steel S.S. Caduceus Master H. Biddle  
 Tonnage Gross 1757 Net 1114 Vessel built at Newcastle By whom Palmer & Co Ltd When 1874 11  
 Registered Horse Power 182 Engines made at Newcastle When 1874 Boilers, when made (Main) 1890 (Donkey) 1890  
 No. of Main Boilers 2 Owners Hall Bros Port London Voyage Alexandria  
 No. of Donkey Boilers 1 If Surveyed Afloat or in Dry Dock Afloat  
 Steam Pressure in Main Boilers 80 (State name of Dock.) Queen  
 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 now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
* 100 A 1		B7 M 5 12-91
12-94		* NB 2-90
ss No 3-7-87		
ss No 1-7-91		

Last Survey No. 13402 Port Glasgow  
Particulars of Examination and Repairs (if any) Special Survey

(Periodical Surveys, when held, must be reported in detail and serially 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 dates 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 " " " Yes  
 If this was not done, state for what reasons? ✓  
 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? 85 lbs per sq"  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes  
 To what pressure were they afterwards adjusted? 70 lbs per sq" being all that is required  
 Has the propeller shaft been drawn and examined at this time? ✓  
 If the Survey is not complete state what arrangements have been made for its completion? Propeller shaft and sea cocks to be examined on vessels return, before the end of present year.

The machinery opened up throughout, and the cylinders, pistons slide valves, all crank and tunnel shafting (excepting propeller), air circulating, bilge & feed pumps examined. The feed pump plungers have been turned true and their glands bushed, one new bilge pump plunger now fitted, and the keeps on tunnel shafting bearing repaired.

The two main boilers and their safety valves examined.

The donkey boiler and its safety valves examined.

Steam was raised in the main & donkey boilers, and their safety valves adjusted to 85 & 70 lbs per sq" respectively.

General Observations, Opinion, and Recommendation:— The machinery of this vessel, (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. 101, B.M.S. 101 or S.L.M.C. 101, 140 lb., F.D., &c.) so far as seen is in good condition, and is eligible in my opinion to remain as classed in register book, with fresh record of B7 M 5 9.95. when the propeller shaft and sea cocks have been examined.

Office or Registration Fee (per Sec. 27) £ : :  
 Survey Fee (per Section 28) £ 4: 10: "  
 Special Damage Fee (per Section 28) £ 4: 1: "  
 Travelling Expenses (if chargeable) £ : :  
 Fees applied for 97 9/18 95  
 Received by me, 11/9/18 95

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

Committee's Minute  
Assigned Deferred for  
completion of no. 2

FRI, 13 SEP 1895  
TUES, 26 NOV 1895  
TUES, 29 OCT 1895  
FRI, JUL 31 1896  
TUES, FEB 18 1896



10-LRPH Report No. 9 - Transfer fee - 5,000, 5/4/95. If a Rep. 6 18 is so now sent on the Ship... If not whether, and when, one will be sent to... The Surveyors are requested not to write on or below the space for Committee's Minute.