

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

53015  
TUES. 5 MAY 1892

No. *280* Date of Writing Report *May 4<sup>th</sup> 1892* Port of *London*  
 No. in Reg. Book *280* Survey held at *London* Date, first Survey *March 2<sup>nd</sup>* Last Survey *April 26<sup>th</sup> 1892*  
 on the Machinery of the *Rio Negro* Master *Benbridge* No. of Visits *7*  
 Tonnage Gross *740* Net *560* Vessel built at *Newcastle* By whom *Benbridge* When *1865* YEAR. MONTH. *9*  
 Registered Horse Power *80* Engines made at *London* When *1872* Boilers, when made (Main) *1892* (Donkey) *✓*  
 No. of Main Boilers *Two* Owners *Companhia Thetis* Port *Oporto* Voyage *—*  
 Steam Pressure in Main Boilers *80 lbs* If Surveyed Afloat or in Dry Dock *Walker's* Class of Vessel & Machinery *A. 1.6.9*  
 in Donkey Boiler *60 lbs* (State name of Dock.) *Dry Dock* (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.) *hmc 9.87*  
 Last Survey No. *280* Port *—* *ss. Aut. 4-23-83* *ss. Hav 4-1-87* *hmc 9.87* *ss. 6.90*

## Particulars of Examination and Repairs (if any)

(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

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? *Yrs*  
 Do. " Donkey " " " " *Yrs*  
 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? *Yrs*  
 Did the Surveyor examine the Safety Valves of the Main Boiler? *Yrs*  
 At what pressure were they afterwards adjusted under steam? *85 lbs per sq in*  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? *Yrs*  
 To what pressure were they afterwards adjusted? *60 lbs weighted.*

*Examined Cylinders, pistons, slide valves, pumps, Crank, tail, thrust & tunnel shafting - Sea-cocks & valves & bilge suction -*

*New main boiler now fitted - Donkey boiler - about 12 tubes renewed and a riveted patch in bottom, satisfactory - Boiler tested by hydraulic pressure to 120 lbs per sq in.*

General Observations, Opinion, and Recommendation:— *The machinery is now in good condition and the vessel in my opinion is eligible to have hmc 4-92 & + NB-92 recorded in the register book -*

Office or Registration Fee (per Sec. 27) £ *3 10 0* Fees applied for *13/5/1892* *AKS*  
 Survey Fee (per Section 28) £ *13 5 0*  
 Special Damage Fee (per Section 28) £ *13 5 0*  
 Travelling Expenses (if chargeable) £ *13 5 0*  
 Received by me, *13 5 0*  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *TUES. 17 MAY 1892*

*TUES. 23 AUG 1892*

Assi ned *+ NB 92*  
*hmc 4.92*

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 Foundation  
 LONDON - 0152



It is submitted that  
this vessel is eligible for  
THE RECORD + N.B. 92  
and L.M.C. 4.92  
C.V.S.  
17.5.92

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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