

8223

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

No. 8223 Date of Writing Report Nov-19 1887 Port of Glasgow  
No. in Survey held at Glasgow Date, first Survey Nov-12 Last Survey Nov-18 1887  
Reg. Book. 851 on the Machinery of the S.S. "Clan Ranald" Tons, Net 1339 Gross 2068  
If Surveyed Afloat or in Dry Dock Bth. Hendersons Vessel built at Dumbarton in 1878 Engines made in 1878  
(State name of Dock.)  
No. of Main Boilers ✓ Made in 1878 Donkey Boiler made in 1887 Working Pressure, Main Boilers 80 lbs.;  
Working Pressure, Donkey Boiler 80 lbs.; Owners Bayzer Irvine & Co Port Glasgow  
Last Survey No. ✓ Port ✓ Class of Vessel and Machinery 100A.1 5-87 L.M.C. 5-87  
(As in Register Book.)

Particulars of Repairs and Examination Docking &c.  
(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 Boiler separately (including the Donkey Boiler, if any), and make a thorough examination at this time? No.

If this was not done, state for what reasons? No survey due.

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? ✓

Examined the crank shaft on account of old flaws for which the metal was placed on the limited period list. Found that the flaws had not in any way extended since last seen. See Report 7996. Glasgow. May 1887. White metal has now been fitted to the crankpin bearing, which it is will lessen the liability of heating & thus help the further extension of the flaw.

When the vessel was in the Dry Dock examined all the sea connections also the propeller &c. Found the brass bush, forming the outer bearing, slack in stern tube and the bolt heads securing the same damaged & broken. The bush has been drawn & kinned on the outside and refitted. The bolts have been renewed and new holes drilled.

Propeller shaft drawn into tunnel and examined - found the outer ends of each brass bush a little slack. The ends have been paired & caulked to keep the water out. Shaft slightly reduced in diameter near edge of Forward bush, but yet of ample size. One new blade fitted to Propeller on account of a piece being broken off the tip.

The old donkey boiler has been removed & replaced by a new one made by Messrs D. Rowan & Son under special survey. It is 5'-6" dia x 10'-6" high. The safety valve has been adjusted to 80 lbs working pressure.

## General Observations, Opinion, and Recommendation:--

(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.)

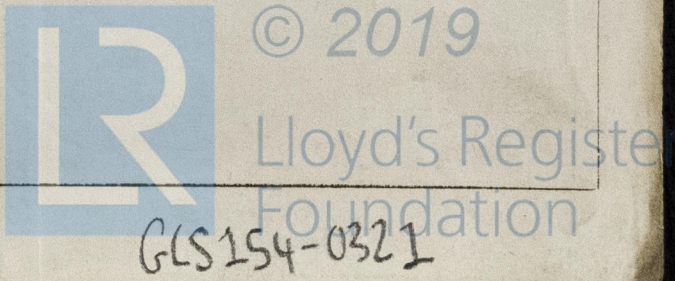
The above mentioned repairs have been satisfactorily carried out and I am of opinion the machinery is now in good working condition and eligible to remain as classed in the Register Book subject to the crankshaft being again examined in twelve months from this date.

Office or Registration Fee (per Sec. 27).....	£ - - -	Fees applied for	19/11/1887
Survey Fee (per Section 29).....	£ 2 - 2	Donkey Boiler Fee	18/11/87
Special Damage Fee (per Section 28).....	£ - - -		
*Certificate (if required) as per margin.....	£ - - -	received by me,	19/11/1887
Travelling Expenses (if chargeable).....	£ - - -		

Committee's Minute TUESDAY 22 NOV 1887

Assigned

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





8223. G.D. N.B. - If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or cause it to show through to the other side.

Submitted that this vessel is  
eligible to remain as classed  
subject to the crank shaft  
being again examined  
within twelve months

W.H.

21.11.87



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Foundation