

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

No. 9158 Date of Writing Report May 7th 1889 Port of Glasgow
 No. in Reg. Book 673 Survey held at Glasgow Date, first Survey April 9th Last Survey May 4th 1889
 on the Machinery of the S.S. "Ethelbert" Master D. W. Bargill No. of Visits 13
 Tonnage Gross 513 Net 323 Vessel built at Belfast By whom Workman Clark & Co. When 1881 YEAR. MONTH. 1
 Registered Horse Power 45 Engines made at Glasgow When 1881 Boilers, when made (Main) 1881 (Donkey)
 No. of Main Boilers 1 Owners Colvils Lowden & Co. Port Glasgow Voyage
 Steam Pressure in Main Boilers 80 If Surveyed Afloat or in Dry Dock Helwinhaugh Slip Class of Vessel & Machinery 100A.1 5/88
 in Donkey Boiler (State name of Dock.) (As in Register Book, including date of last Boiler Survey.) BS 11/88 + LMC 1/86

Last Survey No. _____ Port _____

Particulars of Examination and Repairs (if any) Special Survey No 2 and damage

(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? 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? ✓

This vessel has been placed on the above slipway, and the propeller found loose upon the shaft. A new end was forged on shaft and propeller refitted. Stern Bush fitted with new wood at bottom. On account of a longitudinal fracture extending to the fillets in after pin of crank shaft, the shaft has been taken out and new one fitted in. New crank Brasses also fitted. also New Circulating pump spindle fitted.

The cylinders, slide valves, pumps, sea cocks, and funnel shafting examined

The Main Boiler has been examined throughout. The old patches where necessary have been renewed, and two new patches have been fitted in centre furnace. Several leaky stays in combustion chambers renewed. Safety Valves and all connections examined and overhauled.

The Donkey Boiler has been examined throughout. New Safety Valve seat fitted.

Main and Donkey Safety Valves adjusted under steam to their 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: thus, for example, B.S. 1/89, B. & M.S. 1/89, or L.M.C. 1/89, as the case may be.)

The Machinery of this vessel is now in good order, and in our opinion is eligible to be classed
+ L.M.C 5/89

Office or Registration Fee (per Sec. 27).....	£ : :	Fees applied for
Survey Fee (per Section 28).....	£ 3 : 3 : -	<u>8/3 1889</u>
Special Damage Fee (per Section 29).....	£ 1 : 1 : -	
*Certificate (if required) as per margin.....	£ : :	Received by us,
Travelling Expenses (if chargeable).....	£ : :	<u>1889</u>

Committee's Minute FRIDAY 10 MAY 1889

Assigned + LMC 5/89

James Morrison James Harvey
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
Clyde District

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

9158GL

It is submitted that this
used, & eligible to have
+ LMC 5.89 recorded

11.11

9.5.89

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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