

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

No. *408* Date of Writing Report *29 Dec. 1891* Port of *Barrow.*
 No. in *296* Survey held at *Worthington* Date, first Survey *23rd Dec* Last Survey *23rd Dec 1891*
 on the Machinery of the *(S.S. Scale Force)* Master *not appointed* No. of Visits *1*
 Gross *229* Vessel built at *Worthington* By whom *R. Williamson* When *1883* 7
 Net *90* Engines made at *Worthington* When *83* Boilers, when made (Main) *83* (Donkey) *83*
 Registered Power *50* Owner (Present) *R. Williamson* Port *Whitchurch* Voyage *Depot laid up.*
 of Main Boilers *one* If Surveyed Afloat or in Dry Dock *Williamson, Shipyard* Class of Vessel & Machinery *No A. 10' 90*
 Main Boilers *one* (State name of Dock.)
 Donkey Boiler *one* (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.)
 Survey No. *380* Port *Barrow* *35 Dec 1891*
IMEC 6' 89 BS. 1' 90.

Particulars of Examination and Repairs (if any) *In Main Survey Number Three*
 (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 others due to other causes. State also the dates and initials of any letters respecting this case.
 The Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? *Not under Survey.*
 Do. " Donkey " " " *Yes.*
 If was not done, state for what reasons? *✓*
 What parts of the Boilers could not be thus thoroughly examined? *✓*
 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? *✓*
 The Surveyor examine the Safety Valves of the Main Boiler? *✓*
 What pressure were they afterwards adjusted under steam? *✓*
 The Surveyor examine the Safety Valves of Donkey Boiler? *Yes.*
 What pressure were they afterwards adjusted? *Boiler not under steam.*

This vessel is at present laid up in Worthington and sundry repairs to Engines are now in progress. These will be duly reported when done.
 Name ~~the~~ Barrow Report Number *380.*

At my visit to this vessel on the 23rd instant the Donkey Boiler was tried under a hydraulic pressure of 70 lbs. per square inch. The test was not satisfactory and it has been arranged with the present Owner, Messrs R. Williamson & Son, that either a new Donkey Boiler will be fitted in the vessel will not be supplied with any Donkey Boiler.

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.)

This vessel's Machinery is in my opinion eligible to remain as classed and the noted L.M.C. will do, when this Survey is completed.

Office or Registration Fee (per Sec. 27)	£	:	:	Fees applied for	18
Survey Fee (per Section 28)	£	:	:		
Special Damage Fee (per Section 29)	£	:	:	Received by me,	
Travelling Expenses (if chargeable)	£	:	:		18

D. Ritchie
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *TUES. 3 NOV 1891*
 Assigned *Remain as classed subject to design*
Stacy - classed subject to design
Let to Barrow 9/2/91 74 4 92 9
5/10/92
18 OCT 1892
TUES. 22 MAY 1894
 Lloyd's Register Foundation