

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

(Received at London Office)

No. *408* Date of Writing Report *29 Dec. 1891* Port of *Barrow.*
 No. in *298* 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 *1853* 7
 Net *90* Engines made at *Worthington* When *53* Boilers, when made (Main) *53* (Donkey) *53*
 Registered Power *50* Owner (Present) *R. Williamson* Port *Whitthaven* Voyage *Depot laid up.*
 of Main Boilers *one* If Surveyed Afloat or in Dry Dock *Williamson, Ripon* Class of Vessel & Machinery *No A-1, 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*
L.M.C. 689 B.S. 1890.

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.

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? *Not under Survey.*
 Do. " " Donkey " " " " *Yes.*
 If 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? *✓*
 Did the Surveyor examine the Safety Valves of the Main Boiler? *✓*
 What pressure were they afterwards adjusted under steam? *✓*
 Did 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.
 Refer to 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 & Co. that either a new Donkey Boiler will be fitted on 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. 189, B.&F.S. 189, or L.M.C. 189, as the case may be.)

This vessel's Machinery is in my opinion eligible to remain as classed and be noted L.M.C. with date when this Survey is completed.

Office or Registration Fee (per Sec. 27)	£	Fees applied for	15
Survey Fee (per Section 28)	£	Received by me,	18
Special Damage Fee (per Section 29)	£		
Travelling Expenses (if chargeable)	£		

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

Committee's Minute *TUES. 3 NOV 1891*
Assigned Remains as classed subject to review
Let to Barrow 9/2/91 744 929
5/10/92
 TUES. 18 OCT 1892
 FRI 30 MAR 1894
 TUES. 22 MAY 1894
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