

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

(Received at London Office **MUN 13 MAR 1899**)

Date of writing Report **16 Mar 1899** When handed in at Local Office **11th Mar 1899** Port of **Barrow in Furness**  
 No. in Survey held at **Workington** Date, First Survey \_\_\_\_\_ Last Survey **28th Feb 1899**  
 on the Machinery of the **Wood, Iron or Steel** **SS Fred** Master \_\_\_\_\_  
 Gross **3 1/2** Vessel built at **Workington** By whom **R Williams & Sons** When **1899** 3  
 Net \_\_\_\_\_ Engines made at **Glasgow** When **1899** Boilers, when made (Main) (Donkey)  
 Owners **G. Best & Co.** Port **Liverpool** Voyage **Glasgow**  
 If Surveyed **Afloat or in Dry Dock** before launching \_\_\_\_\_  
 (State name of Dock.) \_\_\_\_\_

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. * for Special Survey. Date of last Survey and of Periodical Surveys.	Years Assigned and expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<b>+ 100 A 1</b>		
<b>Contemplated</b>		

Particulars of Examination and Repairs (if any)

Medical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and the details being detailed in the body of the report, should be briefly summarised at the end of the report. State also the names 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? \_\_\_\_\_  
 " " Donkey " " " " \_\_\_\_\_  
 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? \_\_\_\_\_ To what pressure were they afterwards adjusted under steam? \_\_\_\_\_  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? \_\_\_\_\_ To what pressure were they afterwards adjusted under steam? \_\_\_\_\_  
 Has the propeller shaft been drawn and examined at this time? \_\_\_\_\_ If spare propeller shaft fitted, state whether new? \_\_\_\_\_  
 What is the distance between lignum vitae of stern bush and top of after bearing of screw shaft? \_\_\_\_\_  
 If Survey is not complete state what arrangements have been made for its completion and what remains to be done? \_\_\_\_\_

**Before Launching :- all sea connections and fastenings of same screw shaft and propeller both being fitted in place, were examined and found good.**  
**This vessel has proceeded to Glasgow and have machinery fitted on board.**

## General Observations, Opinion, and Recommendation :-

State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.: thus, for example, B.S. 9,97, B.&H.S. 9,97 or L.M.C. 9,97, 149 lb., F.D., &c.)

Registration Fee (per Sec. 27).....	£ : :	Fees applied for
Fee per Section 28).....	£ : :	18
Damage Fee (per Section 28).....	£ : :	
Expenses (if chargeable).....	£ 1 : 0 : 6	Received by me, <b>1.4.99</b>

**To be collected in Glasgow**

**William Sharp**  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute  
See Mr. Aubrey Report



\*Certificate to be sent to