

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

(Received at London Office MON. SEP 21 1896)

Date of writing Report 19<sup>th</sup> Sept 1896 When handed in at Local Office 21<sup>st</sup> Sept 1896 Port of LONDON

No. in Reg. Book. 90 Survey held at LONDON Date, First Survey Sept 8 Last Survey 18<sup>th</sup> Sept 1896

90 on the Machinery of the Wood, Iron or Steel S.S. Warrumbtoo Master F. H. Ellis

Tonnage { Gross 3513 Net 2213 Vessel built at Switzerland By whom H. S. Building Co When 1892 8

Registered Horse Power 445 Engines made at W. G. & Co When '92 Boilers, when made (Main) '92 (Donkey) '92

No. of Main Boilers 2 Owners W. Lusk Port LONDON Voyage Australia

No. of Donkey Boilers 1

Steam Pressure—155 lb in Main Boilers 80 in Donkey Boilers

Surveyed Afloat or in Dry Dock afloat in Green Dry Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Survey No. \_\_\_\_\_ Port \_\_\_\_\_

Particulars of Examination, and Repairs (if any) S.S. No 1 100A/3.96 12.8.92

(Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. 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 (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. 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? yes.

Do. " Donkey " " " 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? ✓

Did the Surveyor examine the Safety Valves of the Main Boiler? yes.

At what pressure were they afterwards adjusted under steam? 160 lb

Did the Surveyor examine the Safety Valves of Donkey Boiler? yes.

To what pressure were they afterwards adjusted? 80 lb

Has the propeller shaft been drawn and examined at this time? no

If the Survey is not complete state what arrangements have been made for its completion? Complete.

Now done:—Cylinders Pistons Slide Valves, all Pumps and the Condenser examined. Crank, Thrust & Inboard Shafts examined. Propeller, Stern-bush and Sea Connections examined. The above parts are in Satisfactory Condition. This vessel's Tail Shaft was drawn in and examined last Voyage. Main Boilers examined and now found to be generally in Satisfactory Condition. Donkey Boiler also examined and found in fair order. Engine and Boilers tried under steam in port, all Safety Valves adjusted as above.

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. 9,95, E.&M.S. 9,95 or L.M.C. 9,95, 140 lb, F.D., &c.)

The machinery of this vessel is in good condition and in our opinion eligible to remain as classed with fresh record of 12.8.96.

Office or Registration Fee (per Sec. 27)..... £

Survey Fee (per Section 28)..... £ 5.10

Special Damage Fee (per Section 28)..... £

Travelling Expenses (if chargeable)..... £ 4.19

Fees applied for 26.9.96

Received by me, D. Ritchie & R. Elliott Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

\*State if Certificate is required \_\_\_\_\_

Committee's Minute TUES. SEP 29 1896

Assigned 12.8.96 FRI. MAR 12 1897 FRI. MAR 19 1897 TUES 11 MAY 1897

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent? \*Certificates to be sent to. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

Insert Character of Ship and Machinery precisely as in the Register Book.



