No. 54237

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

(Received at London Office FRI 14 APL 1893)

Date of writing Report April 13 18 93. When handed in at Local Office 18 Port of London.

No. in Reg. Book. 14 Survey held at London. Date, First Survey April 4 Last Survey April 13 1893 (No. of Visits four)

on the Machinery of the ~~Wood, Iron or~~ Steel S.S. "NAIRNSHIRE" Master Wallace.

Tonnage { Gross 3720 / Net 2428 } Vessel built at Newcastle By whom Hawthorn Leslie & Co. When 1889 (YEAR. MONTH.) 8

Registered Horse Power 356 Engines made at do When 1889 Boilers, when made (Main) 1889 (Donkey) 1889

No. of Main Boilers 3. Owners Elderslie S.S. Co. Ltd Port Glasgow. Voyage Australia.

Steam Pressure— in Main Boilers 160 lbs If Surveyed ~~Afloat or~~ in Dry Dock Brown's Dry Dock (State name of Dock.)

in Donkey Boiler —

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 now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
✠ 100 A.1. 9.92.		✠ L.M.C 8.89.

Last Survey No. Port

Particulars of Examination and Repairs (if any) Damage.

(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? No

Do. " Donkey " " " No.

If this was not done, state for what reasons? Survey not due

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? No

At what pressure were they afterwards adjusted under steam? —

Did the Surveyor examine the Safety Valves of Donkey Boiler? No

To what pressure were they afterwards adjusted? —

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

Examined propeller, stern bush & sea connections fastenings, tail shaft drawn in & examined. Found that one propeller blade had been broken off close to the boss, tail shaft slightly bent & liners much worn, stern bush cracked & wood gone, & neck bush worn oval; this damage was stated to have been sustained by propeller striking some hard submerged substance.

Repairs A new blade has been fitted to the propeller, tail shaft placed in lathe, trued up & liners faired, new stern & neck bushes & new lignum vitae strips fitted & shaft replaced, the whole being placed in as good condition as before the damage was sustained.

General Observations, Opinion, and Recommendation:—This vessels machinery is now in good condition & in my opinion the vessel is eligible to remain as classed without fresh record of survey.

(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. 0,02, B.&M.S. 0,02 or ✠L.M.C. 0,02, as the case may be.)

Office or Registration Fee (per Sec. 27)	£ : :	Fees applied for 15/4/1893
Survey Fee (per Section 28)	£	
Special Damage Fee (per Section 28)	£ 2 : 2 : 0	Received by me, 25/4/1893
Travelling Expenses (if chargeable)	£ : :	

A.C.A. 25

E. M. Salmon.
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

*State if Certificate is required

Committee's Minute TUES. 18 APL 1893

Assigned As now

State if a Report is also now sent on the Ship, or if not whether, and when, one will be sent.

(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.

It is submitted that this vessel is eligible to remain AS CLASSED.

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

On account of damage, the new blade fitted to the propeller, the tail shaft has been turned in the lathe, & the stern tube renovated & new stern & neck bushes fitted to the stern tube —

[illegible] 15/4/93 —

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.