No. 52751

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

(Received at London Office .....)

Date of writing Report 20th Sept. 1893. When handed in at Local Office ..... 18 ..... Port of London

No. in Reg. Book 502 Survey held at London Date, First Survey 14th July Last Survey 11th Sept. 1893 No. of Visits 12

on the Machinery of the ~~Wood, Iron or~~ Steel S.S. "Rangaroa" Master E. A. Findlay.

Tonnage { Gross 4202 / Net 2659 } Vessel built at Glasgow By whom J. Elder & Co. When (Year) 1883 (Month) 11.

Registered Horse Power 600 Engines made at Glasgow When 1883 Boilers, when made (Main) 1883 (Donkey) 1883.

No. of Main Boilers Three Owners New Zealand Shipping Co. Port London Voyage New Zealand

Steam Pressure — in Main Boilers 95 in Donkey Boiler 100

If Surveyed Afloat or in Dry Dock (State name of Dock.) Royal Albert dry & Victoria dk.

Last Survey No. ..... Port .....

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 A1 Spar dk. 2.93. S.S. Lon. No. 2.91.		✠ L.M.C. 4.92.

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

Particulars of Examination and Repairs (if any) B.S.

(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? adjusted to 95 lbs.

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

To what pressure were they afterwards adjusted? adjusted to 100 lbs.

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

The three Main and Donkey boilers examined internally and externally. Safety valves of all Main and Donkey boilers examined and subsequently adjusted under steam to the above pressures. The two centre furnaces of the Port Mn. Br. being considerably patched and getting wasted at parts were now renewed. The whole of the plain tubes of the three Mn. Brs. were now renewed on account of their thinness - the Main Brs. tested under hydraulic pressure to 160 lbs. pressure.

The pressure on Main boilers was reduced to 95 lbs. at owners' request.

General Observations, Opinion, and Recommendation:— This vessel's machinery, so far as seen, is in safe working condition, eligible, in our opinion, to remain as classed with record of B.S. 9.93. entered in the Register Book

(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. 9,92, B.&M.S. 9,92 or ✠L.M.C. 9,92, as the case may be.)

Office or Registration Fee (per Sec. 27)	£ : :	Fees applied for ..... 18 .....
Survey Fee (per Section 28)	£ 2 10 0	
Special Damage Fee (per Section 28)	£ :	Received by me, 20/10/93 18
Travelling Expenses (if chargeable)	£ : :	

21 SEP 93

O.C.A. 23

R. Elliott. Geo. E. Weirmison

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

*State if Certificate is required .....

Committee's Minute FRI 22 SEP 1893

Assigned B.S. 9.93.

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

*Certificate to be sent

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

16—LRPH—Form No. 9—Transfer Dk.—10,000, 20/1/93.

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LON700 - 0076

It is submitted that
this vessel is eligible for
THE RECORD 25.9.93

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 wear & tear, all plain tubes have been renewed in the main boilers, & other moderate repairs done —

GMR
21/9/93 -

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

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