

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

No. 37548

Date of writing Report 4<sup>th</sup> April 96 (Received at London Office SAT. APL 4 1896)  
 When handed in at Local Office London 18. Port of London

No. in Reg. Book 504 Survey held at London Date, First Survey 8.8. "Ruahine" Last Survey 31<sup>st</sup> March 1896

on the Machinery of the Wood, Iron or Steel 8.8. "Ruahine" Master J. Bone

Tonnage { Gross 612 1/2 Net 392 1/2 Vessel built at Dumbarton By whom W. Denny & Bros. When 1891 12

Registered Horse Power 818 Engines made at Do. Boilers, when made (Main) 1891 (Donkey) 1891

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

No. of Donkey Boilers one If Surveyed Afloat or in Dry Dock Royal Albert wet & dry docks. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Steam Pressure in Main Boilers 180 in Donkey Boilers 180 Last Survey No. Port S. S. "Ruahine"

Particulars of Examination and Repairs (if any) S. S. "Ruahine"  
 (Periodical Surveys, when held, must be reported in detail and serially 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? 172 lbs.

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

To what pressure were they afterwards adjusted? 182 lbs.

Has the propeller shaft been drawn and examined at this time? No. Renewed 9/94 see Lon. Rgt. 55849.

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

Vessel placed in dry dock - all sea & bilge cocks & valves, propeller & its fastenings examined. All cylinders, pistons, slide valves, pumps, condenser, tunnel, thrust & main shafting examined. The three Main & Donkey boilers examined internally & externally - their safety valves examined & adjusted under steam.

General Observations, Opinion, and Recommendation:—This vessel's machinery is now

(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. 4,94, B.&M.S. 4,94 or L.M.C. 4,94, 140 lb., F.H., &c.)

in safe working condition and eligible, in my opinion, to remain as classed with record of survey L.M.C. 3.96. entered in the Register Book.

Office or Registration Fee (per Sec. 27).....	£	:	:	Fees applied for	<u>4/4 1896</u>
Survey Fee (per Section 28).....	£	5	10	0	
Special Damage Fee (per Section 28).....	£	0	11	0	
Travelling Expenses (if chargeable).....	£	4	19	0	

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

\*State if Certificate is required

Committee's Minute FRI. APL 10 1896 TUES 1 SEP 1896

Assigned + L.M.C. 3.96 TUES. 18 JAN 1896 FRI. 6 AUG 1897

FRI JAN 8 1897 TUES. 31 MAY 1893  
FRI. 15 JAN 1897  
FRI 30 JUL 1897  
TUES. 18 OCT 1898  
 Lloyd's Register Foundation  
 LON708-0311