

Date of writing Report 3<sup>rd</sup> Sept<sup>r</sup>, 1896 When handed in at Local Office 4<sup>th</sup> Sept<sup>r</sup> 1896 Port of London. (Received at London Office FRI 4 SEP 1896)

No. in  
Reg. Book. *844* Survey held at *London* Date, First Survey *22 Aug* Last Survey *3<sup>d</sup> Sept* 18*96*

84 on the Machinery of the ~~Wood, Iron or Steel~~ *S. S. "Harrigal"* Master *J. Hawthorn*  
Gross *4387*  
Tonnage

Tonnage		Vessel built at		By whom		When	
Net	Gross					YEAR.	MONTH.
277 1/2	352	Sunderland		Sunderland S. B. & Co.		1893	8
55 1/2	70	Engines made at	W. & A. R. & Co.				

Engines made at *H. & C.* When *'93* Boilers, when made (Main) *'93* (Donkey) *'93*  
 No. of Main Boilers *3*  
 No. of Donkey Boilers *1* Owners *H. Lund* Port *London* Voyage *Australia*

No. of Donkey Boilers	1	Swamp	and	Port	Chennai	Voyage	Surabaya
Steam Pressure— in Main Boilers	200 lb	If Surveyed Afloat or in Dry Dock				Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).	
in Donkey Boilers	50	(State name of Dock.)					

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

Particulars of Examination and Repairs (if any) In Dry Dock + 100 A/ 2-96. + Lmc. 893

(Periodical Surveys, when held, must be reported in detail and serialtim 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.

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

[illegible]

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time?

Do.	"	Donkey	"	"	"
-----	---	--------	---	---	---

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?

At 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 ?

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: - Propeller Stern-bush, and outside fastenings of  
Sea Connections examined and found in good order.

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

140 lb., F.D., &c.)  
The machinery of this vessel is in good order and, in my opinion, eliptic remain as classed without fresh record.

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

State if Certificate is required

Committee's Minute TUES. 8 SEP 1896

Assigned as how.

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

Lloyd's Register  
Foundation

LON 710-0264



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

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.

Emd.  
H. 9. 96.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



© 2020  
Lloyd's Register  
Foundation