

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

(Received at London Office THUR, 5 JAN 1899)

Date of writing Report 4 January 1899 When handed in at Local Office 18 Port of London

No. in Reg. Book 784 Survey held at London Date First Survey 3 Dec/98 Last Survey 3 Jan 1899

on the Machinery of the Wood, Iron & Steel S.S. "Harrigan" Master E O Neil

Tonnage { Gross 780 Net 475 Vessel built at Dundee By whom Sourley Bros & Co When 1891 - 4

Registered Horse Power 121 Engines made at London When 1891 Boilers, when made (Main) 1891 (Donkey) 1891

No. of Main Boilers one Owners General Steam Nav Co Port London Voyage Antwerp

No. of Donkey Boilers one Surveyed Afloat or in Dry Dock Dock Lane Pier Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Steam Pressure in Main Boilers 160 lb in Donkey Boilers 52 lb

Last Survey No. 60552 Port London

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

(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.)

CHARACTER. * for Special Survey. Date of last Survey and of Periodical Surveys.	Years Admitted how expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>+100 A1 - 8.96</u>		<u>+ Lm C 11.95</u>
<u>S.S. for 201-95</u>		<u>B.S. 10.97</u>

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? No

Do. " Donkey " " " Yes

If this was not done, state for what reasons? Main Boiler recently examined

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 To what pressure were they afterwards adjusted under steam? How 152 lb (approx)

Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? How 51 lb

Has the propeller shaft been drawn and examined at this time? No If spare propeller shaft fitted, state whether new? ✓

State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? ✓

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete

Examined Donkey Boiler externally and internally & found it in fair condition

Examined Safety valves & found them satisfactory.

Examined Main & Donkey Boilers under steam and adjusted Safety valves to working pressures.

General Observations, Opinion, and Recommendation: The Machinery of this vessel, as far as seen, is now in a safe working condition & eligible in my opinion, to have B S 12.98 Recorded in the Register of the Society. (See London Report No 60552)

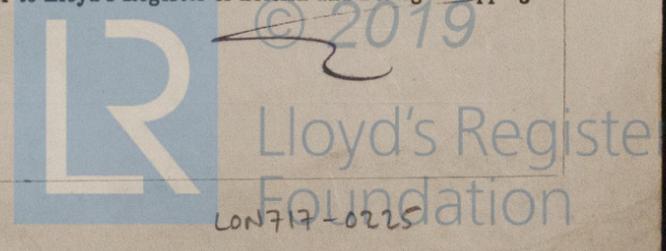
	£	s	d	Fees applied for
Office or Registration Fee (per Sec. 27)	2	0	0	18
Survey Fee per Section 28	2	0	0	
Special Damage Fee (per Section 28)	2	0	0	
Travelling Expenses (if chargeable)	2	0	0	18

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

State if Certificate is required

Committee's Minute Assigned

89 12.98



Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

Insert Character of Ship and Machinery precisely as in the Register Book. *Certificate to be sent to

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.

Donkey Boiler examined, and
all safety valves now adjusted
under steam.

It is submitted that
this vessel is eligible for
THE RECORD. B.S. 12.98.

A.C.H.
5.1.99.

29261

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.