

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

(Received at London Office

24.9

Date of writing Report 1 April 1897 When handed in at Local Office 18 Port of London

No. in Reg. Book 442 Survey held at London Date First Survey 9 March Last Survey 31 March 1897

442 on the Machinery of the Wood, Iron or Steel S.S. "Gracie" Master J Brown

Tonnage { Gross 1312 Net 811 Vessel built at Hartlepool By whom S Withy & Co When 1879-9

Registered Horse Power 213 Engines made at Stockton When 1879 Boilers, when made (Main) 1879 (Donkey) 1894

No. of Main Boilers 2 Owners S Clarke & Co Port London Voyage Coasting

No. of Donkey Boilers 1 Steam Pressure in Main Boilers 80 lbs in Donkey Boilers 80 lbs

Surveyed Afloat or in Dry Dock Regent 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 elapsed since last survey.	Machinery and Boiler Surveys (including date of N.B., if any).
+100 A1 8.96		L.M.C. 10.92
S.S. Lon N°3 10.92		B.S. 8.96
		N.O.B. 94

Last Survey No. _____ Port _____

Particulars of Examination and Repairs (if any) Special Survey +100 A1 8.96

(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? blow 82 lbs

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

To what pressure were they afterwards adjusted? blow 57 lbs (stated sufficient)

Has the propeller shaft been drawn and examined at this time? Yes & spare shaft (old) fitted

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

Vessel placed in dry dock. Examined propeller, Bush (rewooded), & all sea connection fastenings & found them satisfactory. The fore liner on propeller shaft was found very badly cut & slack in places, the fore end of cone was also found to be fractured from corner of keyway, the spare propeller shaft, not new, has been fitted, new liners have been shrunk on this shaft & the cone has been turned up & fitted to propeller boss. Stern Bland & neck ring bored to suit liners.

Examined HP & LP cylinders, pistons, covers, valves & faces, Condenser, Air, circulating, Feed & Bilge pumps & found them satisfactory. The Shafting & sea connections were previously examined as part Survey. Examined Main Boilers externally & internally & found them in good condition. 2 Covering patches fitted on bottom of shell at seams of port boiler & 1 on bottom of Starboard boiler, several rivets renewed & seams caulked in both boilers P. 70

General Observations, Opinion, and Recommendation: The Machinery of this Vessel,
(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.)
so far as seen, is now in a safe working condition and eligible, in my opinion, to have L.M.C. 3.94 Recorded in the Register of this Society.

	£	s	d
Office or Registration Fee (per Sec. 27)			
Survey Fee (per Section 28)	5	0	0
Special Damage Fee (per Section 28)		10	0
Travelling Expenses (if chargeable)	4	10	0
Total	9	10	0

Fees applied for 6/4 1897

Received by me, TH 1897

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

* State if Certificate is required _____

Committee's Minute FRI. 9 APL 1897

Assigned L.M.C. 3.94



Has a Survey also been held on ship? If so, is the Report sent now, or when will it 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. *Certificate to be sent to:

58683 Lon

Continued S. S. "Gracie"
Side blocks (3) at fore end of Boilers badly
Corroded, have been renewed.
Examined safety valves & found them satisfactory
Examined Donkey Boiler externally and
internally & found it in fair condition.
Examined Safety valve - valve & seat trued up.
Examined Main & Donkey Boilers under
steam & adjusted safety valves to working
pressures.

Thomas R. Blackie
by Surveyor

Saw shaft found fractured & repaired
fitted. Covering patches fitted at
bottom of shell at seams of prop-
eller tone in shaft.

It is submitted that
this vessel is eligible for
THE RECORD. L. N. 6397

1/4/07

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