

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

THUR, 30 MAR 1899

(Received at London Office)

Date of writing Report 30 March 1899 When handed in at Local Office 18 Port of London

No. in Reg. Book 956 Survey held at London Date, First Survey 16 Mar Last Survey 29 March 1899

on the Machinery of the Wood, Iron or Steel S.S. "Spheroid" Master R. S. Taylor

Tonnage Gross 1967 Net 1268 Vessel built at West Hattlepool By whom Gray & Co When 1891 - 12

Registered Horse Power 212 Engines made at West Hattlepool When 1891 Boilers, when made (Main) 1891 (Donkey) 1891

No. of Main Boilers one Owners Scrutton Bros & Co Port London Voyage West India

No. of Donkey Boilers one Surveyed Afloat X in Dry Dock West India (State name of Dock.)

Steam Pressure in Main Boilers 160 lbs in Donkey Boilers 80 lbs

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

CHARACTER. * for Special Survey. Date of last Survey and of Periodical Surveys.	Years Assigned how expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>Condition B.S. + 100 A1 - 4.98</u>		<u>+ Incl 1.96</u> <u>B.S. 3.98</u>
<u>SS for 901 - 96</u>		

Last Survey No. PortParticulars of Examination and Repairs (if any) Condition B.S. + 100 A1 - 4.98

(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? YesDo. " Donkey " " " YesIf 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? YesTo what pressure were they afterwards adjusted under steam? How 160 lbsDid the Surveyor examine the Safety Valves of Donkey Boiler? YesTo what pressure were they afterwards adjusted under steam? How 80 lbsHas the propeller shaft been drawn and examined at this time? YesIf spare propeller shaft fitted, state whether new? ✓State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? 1/8"If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete

Vessel placed in Dry Dock. Examined propeller. Propeller Shaft (drawn), Stern Bush & all fastenings - satisfactory. Main Boiler examined externally & internally. Centric Furnace at one rib, found cracked and pinned. Now cut & efficient patch fitted. Two screw stays fitted between Combustion Chamber sides where slightly bulged. Furnaces found slightly bulged. now set true. Safety valves satisfactory. Examined Donkey Boiler externally & internally & found it in fair condition - 34 plain tubes now renewed. Safety valve satisfactory. Examined Main & Donkey Boilers under steam and adjusted safety valves to working pressures.

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. 967, B.M.S. 9, 97 or L.M.C. 9, 97, 140 lb., F.D., &c.)

As far as seen, is now in a safe working condition and eligible, in our opinion, to have B.S. 3.99 Recorded in the Register of the Society.

Office or Registration Fee (per Sec. 27)	£ 1. 10. 0	Fees applied for	4/4 18 99
Survey Fee per Section 28	£ 3. 0. 0	Received by me,	25/4 18 99
Special Damage Fee (per Section 28)	£ 1. 7. 0		SAH 26
Travelling Expenses (if chargeable)			

State if Certificate is required

Committee's Minute

Assigned

FRI, 7 APR 1899

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



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Main & Donkey Boilers examined

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.

Screw shaft examined

Ship's repairs to Main Boilers  
including firing 7 furnaces.

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

B.S. 3. 99.

C.A.C.H.

4.4.99.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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