

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

(Received at London Office FRI, 16 JUN 1899)

Date of writing Report 14 June 1899 When handed in at Local Office

18 Port of London

No. in Reg. Book. Survey held at London

Date, First Survey 29 May Last Survey 10 June 1899

536 on the Machinery of the Wood, Iron or Steel S.S. "Bolderad"

Master H. H. Batten

Tonnage { Gross 1555
Net 965
Registered Horse Power 143
No. of Main Boilers 2
No. of Donkey Boilers 1
Steam Pressure in Main Boilers 80 lb
in Donkey Boilers 80 lb

Vessel built at Sunderland By whom J. Laing
Engines made at Sunderland When 1884 Boilers, when made (Main) 1884 (Donkey) 1896
Owners Paul & Shellehear Port London Voyage St. Petersburg
Surveyed Afloat & in Dry Dock Milwall & Elson
(State name of Dock.)

Last Survey No. Port

Particulars of Examination and Repairs (if any) Damage

(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 elapsed since last survey.	Machinery and Boiler Surveys (including date of N.B., if any).
* AI* 1 12.98		MS. 5.96
3 rd Survey Art 11.96		B.S. 7.98
		N.B. 96

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?

To what pressure were they afterwards adjusted under steam? Not adjusted

Did the Surveyor examine the Safety Valves of Donkey Boiler?

To what pressure were they afterwards adjusted under steam?

Has the propeller shaft been drawn and examined at this time?

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? 1/8"

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

Damage sustained by Ice near St. Petersburg on
the 4 May 1899.

Vessel placed in dry dock. Examined propeller, found
all 4 blades broken at tips, also a fracture at root of one
blade extending well across. A new bronze propeller fitted.
Examined propeller shaft, drawn, & found it satisfactory.
Stern Bush & all fastenings satisfactory.
Crank, Tunnel & Thrust Shafting opened & examined.
The HP Crank Pin (solid crank) found fractured at
both fillets, has been removed & the Spare Crank
(built) fitted. Mark on Crank
Shaft relined & all coupling bolts between cranks
renewed.

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

so far as seen, is now in a safe working condition &
eligible, in my opinion, to remain as classed.

Office or Registration Fee (per Sec. 27) £ : :
Survey Fee per Section 28 £ : :
Special Damage Fee (per Section 28) £ 3 : 3 : 0
Travelling Expenses (if chargeable) £ 2 : 17 : 0

Fees applied for

22/6.18 99

Received by me,

23/6.18 99

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

State if Certificate is required

Committee's Minute

Assigned

FRI 23 JUN 1899

LON718-0380



Lloyd's Register
Foundation

Damage caused by ice.
Screw shaft examined & found
propeller fitted. oil chafing
examined, relieved & approved
shaft renewed with coping
balls.

It is submitted that
this vessel is eligible to
remain as CLASSED.

msd.
22.6.99



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AT THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.