

Boston

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

No. 5510

FRI. MAR. 7-1913

of writing Report *March 1913* When handed in at Local Office *19* Port of *Amsterdam*
 Survey held at *Amsterdam* Date, First Survey *Q* Last Survey *March 1913*
 Lignum the Machinery of the Wood, Iron or Steel *S.S. Borden* (No. of Visits *one*)
 Gross *8070* Net *8095* Vessel built at *W. Hardeman* By whom *W. Gray, Co. N.Y.* When *1912*
 Engines made at *W. Hardeman* By whom *Van der Meer, N.Y.* When *1912*
 Boilers, when made (Main) *1912* (Donkey)
 Owners *Boonvally Rederij Port Amsterdam* Voyage *East India*
 If Surveyed Afloat or in Dry Dock *Afloat*
 (State name of Dock.) *W. Hardeman*

Report No. *Port*
 Particulars of Examination and Repairs (if any) *Complete L.M.C.*

Medical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the nature of repairs, if any, and, in detail, the nature and extent of examinations and subsequent repairs. Repairs on items being detailed in the body of the report, should be separated from repairs due to other causes; and the initials of any letters respecting this case. *H. 25 Feb 1913*

Image cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined? *Was a damage report made by anyone else? If so, by whom? No*

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

" Donkey " " " *No*

was not done, state for what reasons? *new boilers*

What parts of the Boilers could not be thus thoroughly examined? *✓*

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? *✓*

Surveyor examine the Safety Valves of the Main Boiler? *No*

To what pressure were they afterwards adjusted under steam? *105 lbs*

Surveyor examine the Safety Valves of Donkey Boiler? *No*

To what pressure were they afterwards adjusted under steam? *105 lbs*

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? *under steam Yes*

, and of the Donkey Boiler? *✓*

Surveyor examine the drain plugs of the Main Boilers? *No*

, and of the Donkey Boiler? *✓*

Surveyor examine all the mountings of the Main Boilers? *No*

, and of the Donkey Boiler? *✓*

Screw shaft now been drawn and examined? *No* Is it fitted with continuous liner? *✓* or two liners? *✓* or is it without liners? *✓*

Shaft now been changed? *No* If so, state reasons *✓*

Shaft now fitted now? *No* Has it a continuous liner? *✓* or two liners? *✓* or is it without liners? *✓*

Distance between ligum vitae of stern bush and top of after bearing of screw shaft? *not seen*

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

Tested this vessel's boilers safety valves also the safety valves of the superheaters to 105 lbs. to complete the L.M.C.

and casing gear now fitted and in good working order
 Thickened washers safety valves.

SB Forew. Boiler Port Forew. Boiler

ϕ ϕ ϕ ϕ
 SB $\frac{1}{16}$ Port $\frac{1}{16}$

Superheaters thickness washers

SB aft $\frac{3}{4}$

SB fore $\frac{7}{8}$

Port aft $\frac{1}{16}$

SB fore $\frac{1}{16}$

SB aft Boiler

ϕ ϕ
 Port $\frac{7}{16}$

Port aft Boiler

ϕ ϕ
 SB $\frac{7}{16}$ Port $\frac{1}{16}$

Observations, Opinion, and Recommendation:— *Flashed this vessel's safety valves*
 to 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, 11, B.S. 9, 11, or L.M.C. 9, 11, 12, 13, 14, &c.)
as per above, and as the casing gear is now fitted the L.M.C. is complete, and she is eligible to have record of L.M.C. as previously recommended

Ship's Minute
 Committee's Minute
 Expenses (if chargeable) *£6.00*
 Received by me, *£0.60*

Engine Surveyor to Lloyd's Register of British and Foreign Shipping.

Lloyd's Register Foundation
 W547-0056

All safety valves now adjusted.

It is submitted that
this vessel is eligible to
remain as O.L.S.S.E.D.

Without special restrictions

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Mark
7/3/13



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