t. 9.

No. 34676.

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

(Received at London Office THU.DEC.24.1914)

Date of writing Report ____ 19__ When handed in at Local Office ____ 19__ Port of Glasgow

No. in Reg. Book. 101 — Survey held at Glasgow — Date, First Survey 4/9/13 Last Survey 7/12/1914 (No. of Visits 88)

on the Machinery of the ~~Wood, Iron or~~ Steel M. S. "PANGAN" Master C Lehmuth

Tonnage { Gross 3489 / Net 2224 }

Vessel built at Glasgow By whom Barclay, Curle & Co. Ltd. When 1909 - 3. (YEAR. MONTH.)

Registered Horse Power { }

Engines made at Glasgow By whom Burmeister & Wain When 1914

No. of Main Boilers ✓ — Boilers, when made (Main) ✓ (Donkey) 1914

No. of Donkey Boilers 2 — Owners East Asiatic Co Port Bangkok Voyage

Steam Pressure— in Main Boilers ✓

in Donkey Boilers 100

If Surveyed Afloat or in Dry Dock Elderslie Dry Dock & Quay & Rothesay Docks (State name of Dock.)

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 Assigned or Expired.	Machinery and Boiler Surveys (including date of N.B., if any).
+100 A.1. 9-12.		

Last Report No. ____ Port ____

Particulars of Examination and Repairs (if any)

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.

In damage 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? ✓

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? No Main Boilers in vessel. Two Aux Boilers fitted (See Separate Rpt att)

And what parts of the Boilers could not be thus thoroughly examined? ✓

So 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? ✓

Did the Surveyor examine the Safety Valves of Donkey Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? ✓, and of the Donkey Boiler? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓, and of the Donkey Boiler? ✓

Did the Surveyor examine all the mountings of the Main Boilers? ✓, and of the Donkey Boiler? ✓

Has screw shaft now been drawn and examined? yes Is it fitted with continuous liner? yes or two liners? No or is it without liners? No

Has shaft now been changed? yes If so, state reasons Spare shaft (new) was fitted. Old shaft being carried as spare.

Is the shaft now fitted new? yes Has it a continuous liner? yes or two liners? No or is it without liners? No

State the distance between lignum vitæ of stern bush and top of after bearing of screw shaft? Close (New Wood)

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

Now Done.

Propeller, stern brush, taal & tunnel shafting, the sea connections & their fastenings have all been examined & found in good condition

The 2 New Auxiliary Boilers have been securely fitted on board in a satisfactory manner

General Observations, Opinion, and Recommendation:—

(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. 9,11, B.&M.S. 9,11, or ✠ L.M.C. 9,11, 140 lb., F.D., &c.)

The Machinery of This vessel is in good condition & eligible, in our opinion,

Insert Character of Ship and Machinery precisely as in the Register Book.

Is a Certificate required? If so, to be sent to

Survey Fee (per Section 28) ..... £ : :

Special Damage or Repair Fee (if any) (per Section 28.) ..... £ : :

Travelling Expenses (if chargeable) ..... £ : :

Fees applied for ____ 19__

Received by me, ____ 19__

Fred. A. Ferguson. H.H. Gildstech

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

Committee's Minute GLASGOW 22 DEC. 1914

Assigned See accompanying machinery report

RETAIN

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479-0157