

REC'D NEW YORK APR 11 1946

No. 4064

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

(Received at London Office 7 MAY 1946)

Date of writing Report 9 April 19 46 When handed in at Local Office 19 Port of Boston, Massachusetts

Survey held at East Boston, Mass. Date, First Survey November 5 Last Survey March 15, 1946

Book No. 9138 on the Machinery of the W. S. Steel Cable S. S. "All America" (No. of Visits 25)

Age { Gross 1819 Vessel built at Newcastle By whom Swan, Hunter & Wigham When 1921 10
 Net 880 Engines made at Newcastle By whom Swan, Hunter & Wigham, Richardson, Ltd. When 1921 10
 Principal Power 264 Boilers, when made (Main) 1921 (Donkey) _____
 of Main Boilers 2 SB Owners All America Cables Inc. Owners' Address _____
 of Donkey Boilers 1 DB Managers and Port New York Voyage _____
 Pressure 180 lbs. of Surveyed Afloat in Dry Dock Bethlehem Steel Co. Particulars of Classification (which must be inserted
 Main Boilers 100 lbs. (State name of Dock.) Atlantic Yard, East Boston precisely as in Register Book & Supplements).
 Donkey Boilers _____

Report No. _____ Port _____

Particulars of Examination and Repairs (if any)

Medical Surveys, when held, must be reported in detail and seriatim 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 account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and details being detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials and initials of any letters respecting this case.

Damage cases where the Surveyor has not made a special damage report he is required to state whether he has offered his services for this purpose, and why they were declined.

Has 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? No

Did the Surveyor personally go inside each Donkey Boiler separately and make a thorough examination at this time? ✓

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? ✓

Latest date of internal examination of each boiler _____ Present condition of funnel(s) Good

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 Boilers? ✓

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

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

Has a new shaft now been drawn and examined? Yes Is it fitted with continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? No

Has the shaft now fitted been previously used? Yes Has it a continuous liner? Yes Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? No

Distance of examination of Screw Shaft 4-12 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft. Starboard renewed Port 1/8"

Engine parts, when referred to by numbers, should be counted from forward. Is electric light and/or power fitted? Yes

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes

Insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms? Yes

Survey is not complete, state what arrangements have been made for its completion and what remains to be done. Port and starboard main circulating pump water ends to be examined. The Owners' Representative states that two new water ends will be installed in Balboa at the next docking in December.

Partial Special Machinery Survey, port and starboard main engine cylinders, pistons, slide valves, valve chests, crossheads, top and bottom end brasses, crankshaft, main bearings, eccentric straps and sheaves, thrust and tunnel shafting, and bearings opened up and examined.

Port and starboard main air, feed, steam end of main circulating pumps opened up and examined.

Bilge ballast, general service, fuel transfer, and fuel service pumps examined.

Main condensers cleaned, tested, and examined. Evaporator cleaned and examined internally.

(See Page No. 2)

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.E.M.S. 9,11, *L.M.C. 9,11, or *L.M.C. 140 lb., F.D., &c.)

The Machinery of this Vessel is in good and safe working condition, and in the opinion of the Undersigned eligible to be retained as now classed in the Register Book with the record of shafts seen (CL) 12,45 and MS 3,46 when port and starboard main circulating pump water ends

been examined, subject to starboard tailshaft being renewed at the next dry docking in December 1946.

Fee (per Section 29) £ \$160.00 Fees applied for _____
 Damage or Repair Fee (if any) £ 75.00 10-4- 19 46
 (per Section 29.) _____
 Other expenses (if chargeable) £ 5.00 Received by me, _____
 _____ 19 _____

Committee's Minute _____

Approved Refered for B.S.
T.S. 12, 45.

NEW YORK APR 24 1946

| CHARACTER * for Special Survey Date of last Survey and of Periodical Surveys. | Years assigned now expired. | Machinery and Boiler Surveys (including date of N.B., if any) |
|--|--------------------------------------|---|
| ENLOCAL Awag dk with freeboard 1,45 | | ENMD 4,40 BS 1,45 CL 1,43 |
| ss Boa. No. 3- 12,33 | | Fitted for oil oil fuel F.P. |
| ss Crs. No.2-42 | | above 150°F |

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

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

Thomas Davis 2020
Engineer Surveyor to Lloyd's Register of Shipping.



002435-002441-0041 1/2

Cable S. S. "All America"

Vessel placed in dry dock. Propellers examined, sea valves overhauled and examined, pumping arrangement examined.

ELECTRICAL SURVEY

Electric cables renewed throughout the Vessel. One additional 25 KW steam driven generator installed. All switchboards examined and repaired. On completion, all circuits and generators megger tested with satisfactory results and generators tested under working conditions.

Port and starboard tailshafts drawn and examined. Starboard shaft fractured circumferentially at outboard end of liner now replaced with spare shaft. The cone of the spare shaft is somewhat pitted and it is recommended this shaft be renewed at the next dry docking in December 1946.

WEAR AND TEAR REPAIRS:

Starboard condenser division plate in forward chest renewed. All bilge and ballast piping through the deep oil fuel tank renewed and tested.

Thomas B. Powell

See Rep. No. 1874/46 re BS

Atlantic Yard, East Boston
Bethlehem Steel Co.
New York

100 lbs.
100 lbs.
100 lbs.
100 lbs.

Good

Yes
Yes
Yes
Yes

Yes

Port and starboard main circulating pumps water ends to be examined. The General Representative states that two new water ends will be installed in Rhode at the next docking in December.

Partial Special Machinery Survey, port and starboard main engine cylinders, pistons, side valves, valve chests, crossheads, top and bottom end bearings, crankshaft, main bearings, eccentric straps and sheaves, thrust and tunnel shafting, and bearings opened up and examined. Port and starboard main air, feed, steam and oil circulating pumps opened up and examined.

Bilge ballast, General services, fuel transfer, and fuel service pumps examined. Main condensers cleaned, tested, and examined. Evaporator cleaned and examined. (See Page No. 2)

The Machinery of this Vessel is in good and safe working condition, and in the opinion of the Underwriter is to be retained as now classed in the Register Book with the record of alterations (CI) 12,47 and 12,48 when port and starboard main circulating pumps water ends have been examined, subject to starboard tailshaft being renewed at the next dry docking.

100.00
100.00
100.00

*noted subject as recommended
MS partly held
No. 100
3/16/46*