

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS.

(Received at London Office)

28 JUL 1945

Date of writing Report 9/7/45

No. in Reg Book. Survey held at Valparaiso

Port of Valparaiso

Date, First Survey 19/6/45

Last Survey 9/7/45

19

71265 on the Machinery of the S.S. "CALIFORNIA"

Tonnage { Gross 3583
Net 2213

Nominal Horse Power { 534

No. of Main Boilers 3

No. of Donkey Boilers 0

Steam Pressure—

in Main Boilers 165lbs

in Donkey Boilers ----

Vessel built at Belfast

Engines made at do

Boilers, when made (Main) 1908

Owners Roberto Cordero Waters

Managers do

If Surveyed Afloat or in Dry Dock drydock
"Valparaiso"

By whom Workman, Clark & Co. Ltd.

By whom do

(Donkey) none

Owners' Address Valparaiso

Port Valparaiso

When 1908 2nd Mo.

When do

Voyage Vpo.-Mexico

Particulars of Classification

Particulars of Examination and Repairs (if any)

100 A.1.5.43
Examined 5.44

ssNyk.No.2-16

BS-44
Tailshafts
seen 12.41 Tal.

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? yes

" " Donkey " " none

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 a sure himself of the thorough efficiency of those parts of each Boiler?

State latest date of internal examination of each boiler F.O.22/6/45 stbd.26/6/45 port 30/6/45

Present condition of funnel good

Did the Surveyor examine the Safety Valves of the Main Boiler? yes

To what pressure were they afterwards adjusted under steam? 165lbs

Did the Surveyor examine the Safety Valves of Donkey Boiler? none

To what pressure were they afterwards adjusted under steam? ----

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? yes

, and of the Donkey Boilers? ----

Did the Surveyor examine the drain plugs of the Main Boilers? none

, and of the Donkey Boilers? ----

Did the Surveyor examine all the mountings of the Main Boilers? yes

, and of the Donkey Boilers? ----

Has screw 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 shaft now been changed? no If so, state reasons

Has the shaft now fitted been previously used?

Has it a continuous liner?

Is an approved appliance fitted at the after end of
the shaft to permit of it being efficiently lubricated?

State date of examination of Screw Shaft

State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 1/64th

Is electric light fitted? yes

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Survey of tailshafts, boilers & Machinery:-

Vessel in drydock both tail-shafts drawn examined found in good condition, lignum vitae bushing renewed in lower half of stern bush and left a good fit, starb. propellor blade tips faired, port propellor good condn. all assembled and fastenings secured. All sea-connections opened up overhauled examined and left in good order, heavy pitting on main injection valve chests on water side noted, drilled for thickness, found sufficient, noted for attention each docking to arrest corrosion. All three boilers were emptied, opened up, cleaned and inspected internally and externally, heating surfaces found in fairly good shape with pitted surfaces about same as previously noted, furnace crowns remain in position as when jacked up, several slight cracks in high furnaces were welded and a number of defective common tubes and c.c. stays in each boiler were renewed, shell plating and seams (seen without removing the lagging) is in good condn. manhole doors are a good fit and fastenings have been revised and left in good order, furnaces, backends, smokeboxes, uptakes and funnel were revised and are in good condition, all mountings of each boiler were opened up, overhauled and examined and left in good order, steam raised and valves set to blow off at 165lbs pressure, To comply with the Society's requirements (circular No. 1817) one length of main steam pipe was removed (stbd. side) examined internally and tested to over double w.p. and found in very good condn. no pitting noted, other pipes not removed, expansion packing glands on pipes seen to be in good order. Port crank shaft was lifted for alignment, bearing metal found good also journals of shaft (with exception of pitted marks as previously reported on both these shafts) bearings lined up and shaft bedded and all re-assembled, thrust pads removed and shaft examined found good, all eccentric straps and pulleys, top and bottom ends examined found good, bearing covers of the stbd. engine were removed and crank-shaft journals examined, found as when last seen with wear down unaltered, H.P. & I.P. cylinders and valves of both engines were opened up, examined and found in good condn. A general examination of the following parts was made without complete dismantling parts :- intermediate shafting and bearings, piston and valve rods, spindles, guides, pump levers, rods and plungers, turning gear, reversing gear (overhauled), valve gear, circulating feed, bilge and ballast pumps and their connections, pumping arrangements (tested), Dynamos (run and electrical installation tested, Main condensers opened up and found in good condn, tested, After all repairs and revisions were terminated the main engines were run under working conditions also the auxiliary machinery and all found to work efficiently and smoothly,

General Observations, Opinion, and Recommendation:-

Recommend that the record of B.S. 6, 45 be made also a notation of Examined 6, 45 indicating that from the pars now seen machinery appears to be in an efficient condition for a period of 12 Months from June 1945.

Survey Fee

£ 36-

Special Damage or Repair Fee (if any)

£ :

Travelling expenses

£ 11- 5-

Fees applied for
9/7/45 19

Received by me,

not paid to date

Committee's Minute

Assigned

TUES. 11 SEP 1945

AS now
without off cond
S6.45 BS 7.45

Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register
Foundation

W1601-0013