

REPORT of SURVEY for REPAIRS, &c.

Date of writing Report 26 June 1922 When handed in at Local Office 26 June 1922 Port of Bilbao

No. in Survey held at Bilbao Date, First Survey 24th October 21. Last Survey 7th June 1922.

Reg. Book. 33841 on the Wood, Iron or Steel S.S. "Mari" ex "Ulversmead ex Claveresk" Master A. Arana.

TONNAGE:-

GROSS 3829

UNDER DECK 3129

NET 2441

Built at Sunderland By whom W. Dorford & Sons When 1907 -

Owners Soc Naviera "Amaya" Cde Zabala. Port belonging to Bilbao

Owners' Address Arenal 6 Bilbao.

Surveyed Afloat or in Dry Dock? in both Name of Dock P. Naval. Destined Voyage Cardiff.

WB=Cell DBorDBa 106' 0" feet; uE&B 48' 0" feet; f 16' 5" feet; total capacity 1097 tons. FPT 1 tons; APT 23 tons; MT 1 feet tons.

N.B.—All alterations in the existing records should be underlined.

If the Vessel has Water Ballast Tanks, state whether the manhole covers have been removed, and the insides of the tanks examined. Also state the amount of deterioration (if any) found in the thicknesses of the floors, framing, girders, and of the inner bottom plating, especially in the boiler space.

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Report, No. Port

CHARACTER, for Special Survey, Date of last Survey and of Periodical Surveys.

Years since last survey.

Machinery and Boiler Surveys (including date of N.B., if any).

British Corporation.

S.S. Bk. 2nd N. 3. 6. 22.

(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 summarised in the form shown below. Whenever the replacement of Anchors or Chains is reported, the particulars should be clearly stated in the space provided on the back of this form. State also the dates and initials of any letters respecting this case. M. 10. 11. 21. M. 22. 11. 21. M. 20. 10. 21. M. 19. 10. 21. M. 26. 4. 22. M. 4. 4. 22.

Society's Freeboard (if assigned) as painted on Ship and now verified 10' 9 1/2" ins.

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 to whom and why they were declined?

Was a damage report made by anyone else? If so, by whom?

REPAIRS, OR EXAMINATION AS PER RULE, FOR - Special Survey 2nd N. 3. for Reclassification - The vessel has been placed in dry dock, bottom and rudder cleaned examined and painted. The whole of the frames, stringers, keels, floors, keelsons, Engine and Boiler keelsons, ends of beams, m. 4 bulkheads, rivets, and inner surfaces of the outside plating exposed and examined. The shell plating examined throughout and in way of all side lights. The coal bunkers ceiling cleared out and examined. The bilges and timbers in the Engine and Boiler space cleared out and examined. All rust beaten off vessel. Outside plating drilled and thickness as given in this report. No ceiling was found on board, and tanks efficiency ascertain. All tanks including fore and after peaks examined internally and afterwards tested. Decks examined and repairs effected. The chain cables ranged and ascertain and chain locker examined. The masts standing and running rigging and general equipment examined. Hatches win.

| SUMMARY OF DAMAGE REPAIRS:- | Plates. | Frames. | R. Frames. | Floors. | Beams. | Str. Plates. | Dk. Plates. | Other Items:- |
|--------------------------------|---------|---------|------------|---------|--------|--------------|-------------|---------------|
| Renewed | | | | | | | | |
| Removed and Faired or Repaired | | | | | | | | |
| Faired or Repaired in place | | | | | | | | |

PRESENT CONDITION OF THE

Decks good

Caulking of Decks good

Waterways good

Coamings good

Beams & Fastenings good

Outside Plating good

Caulking of ditto good

Rivets good

Breasthooks & Crutches good

Transoms good

Frames good

Reverse Frames good

Floors good

Keelsons good

Stringers good

Inner Bottom Plating good

State if Tanks have been examined inside yes

State if Tanks now tested yes

Bulkheads good

Ceiling good

Cement or Asphalt (State which) cement

Rudder good

Steering gear and its connections good

Windlass good

Have Pumps now been examined and found efficient? yes

Have Sluice Valves now been examined and found efficient? yes

Have Watertight Doors now been examined and found efficient? yes

Have Ventilators and their Coamings been examined and found efficient? yes

Dblg. Plates under Sounding Pipes they are on

Engine Room Skylights good

Coal Bunkers, Open'gs, Lids, &c. good

Scuppers good

Cargo Hatchways good

Hatches good

Planking of Wood Vessels good

Caulking ditto good

Treenails ditto good

Breasthooks & Stemson ditto good

Transoms, Pointers, & Crutches ditto good

Timbers of Frame at openings ditto good

Ditto ditto at other places ditto good

Stringers, Clamps & Shelves ditto good

Salting ditto good

Copper, or Y.M. of Wood Vessels (State if on felt) When put on, Month 2 Year

Boats good

Masts, Yards, &c. good

Condition, how ascertained by examination

(State if wedges removed) no wedges

Sails good

Equipment letter W

Anchors, No. of 3 1/2 1 1/2 1 1/2

Cables (State if now ranged) yes

length 240 fathoms size 2 1/16

(on board) 270 size 2 1/16

Rule length 270 size 2 1/16

Hawser & Warps 10 order

Standing & Running Rigging good

General Observations, Opinion as to Class, Recommendation, &c.:-

State clearly whether any and, if so, what alteration is suggested to be made in the existing classification and notification of the vessel in the Register Book consequent upon this survey, thus, for example:— "to remain as now classed in the Register Book without fresh record of Survey," "to remain as classed and to have record of survey, 1, 15," or "to remain as classed and to have record of survey, 1, 15, and the notations of ss No. 1-15 and ptND15, &c."

This vessel is eligible in our opinion to be reclassified with notation of S.S. Bk. 2nd N. 3. - 6. 22. and fresh record of dry docking. 6. 22.

Entry fee 1000.

Survey Fee (per Section 28) 1.500.

Special Damage or Repair Fee (if any) Freeboard certificate 250

Travelling Expenses (if chargeable) 108.

Second Surveyor's Fee (if any) 40.

Fees applied for, 3-7-1922

Received by me, J. de Berard & C. H. Fowling

3-7-1922

Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE SEP. 19 1922

Character Assigned See minute on J.E. report

Lloyd's Register Foundation

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Repairs now done in Bilbao.

Tank No. 2 Port - 10 reverse frames on intermediate floors have been removed.
12 Vertical Aug^s to intercostals removed. - Tanks top plating 2 patches have been fitted one under a web frame and one near centre stake

Tank N°5 - 4 new frames and 4 top ang^s to intercostals renewed, one bottom frame

ANCHORS.

* When a bower anchor is supplied it must be clearly stated whether it is a 1st, 2nd, or 3rd bower.

CHAIN CABLES.

to Tank Top plating - Tank N^o 4 one floor doubled. After Peak - Two large knees in top of boss found them have been renewed.

Holds - 2 girders have been fitted between hatches N^o 1-2, 2 between hold N^o 1-2 bulkhead and fore end of hatch N^o 2 - 2 between aft end of hatch N^o 2 and beam N^o 107 - 2 between beam N^o 107 and web frame N^o 101 - 2 between web frame 101 and fore part of additional hatch N^o 3 - 2 between aft end of hatch N^o 3 and boiler room bulkhead - 2 between fore end of hatch N^o 4 and fourth beam forward - 2 between aft end of hatch No 4 and hold bulkhead and another 2 between fore holds bulkhead

Holds - 2 girders have been fitted between hatches N°1-2, 2 between hold N°1-2 bulkhead and fore end of hatch N°2 - 2 between aft end of hatch N°2 and beam N°107 - 2 between beam N°107 and web frame N°101 - 2 between web frame 101 and fore part of additional hatch N°3 - 2 between aft end of hatch N°3 and boiler room bulkhead - 2 between fore end of hatch N°4 and fourth beam forward - 2 between aft end of hatch No 4 and hold bulkhead and another 2 between fore holds bulkhead

Bilbao

Continuation of Report No. 6032 dated 16th June 1922 on the

And fore end of hatch N^o 5. all this as recommended, built of a plate 300 mm x .44 to which a bulk ang was riveted of 180 x 76 x .50 joined to deck plating by lugs 75 x 75 x .44 and to beams by ang^s 75 x 75 x .44. - Brackets have been fitted to every end of girders also large knees fitted one on each side of vessel in frame N^o 107. Holds Continued Repairs - Rivetting of N^o 1 hold lower stringer renewed. One rev frame renewed.

Hold N^o 2. - Bottom ang^s of bulkhead brackets to tank top rivetting renewed - Brackets to middle stringer frames N^{os} 42-54 taken to furnace fair ed and replaced. - 900 rivets renewed in tank top near boiler room bulkhead frame of W. 4 door new rivets fitted.

Hold N^o 3. Port - 5 bulkhead bottom brackets renewed - 6 rev frames in frames N^{os} 107-108-109-110-111 and 112 renewed. - Boundary ang of engine room bulkhead in bilge renewed.

Hold N^o 3. Starb^d - 2 Bulkhead bottom brackets renewed - 17 rev frames in frames N^{os} 107-108-109-110-111-112-114-115-116-117-118-119-120-121-122-123 and 124 have been renewed - One bulkhead plate in Engine Room bulkhead renewed.

Hold N^o 4 Port - Low stringer 3 length of plating renewed with corresponding ang^s. - Middle line stringer one length of plating with corresponding angles renewed - Upper side stringer one length of plating and corresponding ang^s renewed - One large knee joining web frame and ang^s renewed. Bottom plate of one web frame renewed. Top ang^s of same web frame renewed. 8 rev frames N^{os} 136-142-144-145-146-147-148 and 149 renewed.

Hold N^o 4 Starboard - Lower stringer face ang renewed between frames N^{os} 150-158 - Top angles of web frames N^{os} 138-150 renewed - Bottom plate of web frame N^o 138 has been renewed - 2 Rev frames renewed - 5 frames fair ed in place - Three length of plating renewed in lower stringer. Several rivets renewed in webs and tank side brackets.

Decks.

Forward. - The following plates have been doubled -

Strike C plates N^{os} 3 and 6 on port side - Strike C plates N^{os} 3 and 9 on Starboard. Amidship - Strike C plates N^{os} 9, 10, 11, and 13 on Port side - Strike C plates N^{os} 9, 11 and 13 on Starboard. Aft - Strike C plates N^o 14 port side - Strike C plate N^o 14 starboard.

One plate doubled between hatch N^o 3 and forward bulkhead and one plate doubled between hatch N^o 4 and after peak bulkhead.

Bulkheads.

Covering plate of Boiler Room bulkhead renewed also bottom ang^s of same. 2 plates renewed in Engine room bulkhead.

Bunkers.

170 square metres of bulkhead plating has been renewed 64 metres of joining ang^s - 41 metres of top and bottom ang^s renewed and 192 metres of vertical stiffeners renewed.

Bunkers bulkhead doors renewed. - 4 frames renewed in Port bunker. And 2 frames renewed in Starboard bunker.

Billboro.

Continuation of Report No. 6032 dated 27th June 1922 on the

3 plates renewed in bulkhead top part looking to N^o 2 hold. Wood lining replaced.

Outside Plating - One plate starboard strake L forward has been removed, faired and replaced - 3 frames in way of same faired in place. Indented plates strake N. plate 19 and strake P. plate N^o 8 have been faired in place, 35 rivets renewed in same.

Hatches - Hatch N^o 2 bottom of aft coaming two plates renewed. Coaming ang in way of same renewed - Jenders in bottom of coaming renewed. A doubling plate was fitted on port bottom coaming in hatch N^o 2. And one in starboard coaming.

Hatches N^{os} 1-2-4 and 5, side and end coamings have been stiffened by fitting bulb angle of 8" x 3½" x ½" also the hatch covers in hatch N^o 3 have been made of 3½" thick as required.

Deck plating under donkey boiler found wasted has been totally renewed.

Coal shoot plating and angle renewed. Engine room skylight overhauled and repaired. New ceiling has been fitted on all holds of white pine 2½" thick. Several other small repairs have been done to hold pillars, ladders, turnbuckles, etc, rusty rusting, hatch webs, air and sounding pipes, steering chains, rudders etc and vessel overhauled and painted all over.

Repairs done in England

Amongst the repairs done in England before the vessel was bought for Cia Naviera "Amoya" we have observed the following:

Keel plates N^{os} 20 and 21 renewed. Strake A. plate N^o 19 starboard. Strake B. plate N^o 20 port. Strake C. plate N^o 20 starboard and 20 port. Strake D. plates N^{os} 19 and 20 starboard and 19-20 port.

Strake E. plates N^{os} 19-20 starboard and 19-20 port.

Strake F. plate N^o 16 starboard - Strake G. plates N^{os} 7-8 and 13 starboard and 4-5-6 and 13 port. - Strake H. plate 21 port. Strake I. plate N^o 22 starboard. Strake K. plate N^o 21 port. Strake L. plate N^o 21 starboard. Strake M. plate N^o 19 port. Strake N. plate N^o 21 port. Strake O. plate 20 port and Strake P. plate N^o 18 starboard all renewed.

Several floors and intercostals in aft end of tank N^o 2 renewed.

Several frames have been reinforced by fitting back bars to form new frame with 2nd frame.

Also some others such as intercostal plates between web frames in stringers, legs of same and some deck plates, and bulkheads plating.

[Signature]



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S.S. "Mari"

Continuation of Report No. 6032 dated 24 June 1922. on the

P. D. N. M. L. K. J. H. G. F. E.

| | | | | | | | | |
|--------------------|----------|---------|----------|---------|----------|---------|----------|---------|
| Turner Deck Sheer. | Starb'd. | Port. | Starb'd. | Port. | Starb'd. | Port. | Starb'd. | Port. |
| 1st strike below. | 10. -" | 11. -" | 15. -" | 15.5 -" | 14.5 -" | 14. -" | 10.5 -" | 11. -" |
| 2nd -" | 10.5 -" | 11. -" | 13.5 -" | 12.5 -" | 13.5 -" | 14. -" | 10.5 -" | 9.5 -" |
| 3rd -" | 10. -" | 9.5 -" | 13. -" | 13. -" | 14. -" | 10. -" | 10.5 -" | 10.5 -" |
| 4th -" | 10. -" | 9. -" | 14.5 -" | 14. -" | 13.5 -" | 10. -" | 10. -" | 10. -" |
| 5th -" | 9. -" | 8.5 -" | 14. -" | 13. -" | 13. -" | 10.5 -" | 10.5 -" | 10.5 -" |
| 6th -" | 10. -" | 10.5 -" | 13. -" | 13. -" | 13.5 -" | 8.5 -" | 9.5 -" | 9.5 -" |
| 7th -" | 10. -" | 10. -" | 13.5 -" | 14. -" | 12.5 -" | 9.5 -" | 9.5 -" | 9.5 -" |
| 8th -" | 10.5 -" | 12.5 -" | 15. -" | 15. -" | 14. -" | 10.5 -" | 12. -" | 12. -" |
| 9th -" | 11.5 -" | 11.5 -" | Cement. | Cement. | Cement. | 14. -" | 12. -" | 12. -" |
| 10th -" | 11.5 -" | 11. -" | | | | 13.5 -" | 13.5 -" | 13.5 -" |

2 frame spaces. Hgt. of
Collection. Qtd.

No. 2. Hold. 2 frame.
spaces found of E. R. Bulhead.

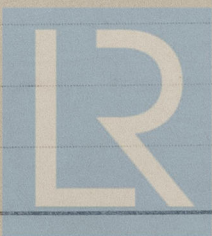
Bunkers.

5 frame spaces found of.
After peak. Bulhead.

Thickness of Outside Plating
Sizes in Millimetres

Drillings - S.S. "Mari" ex "Iversmead"

24/6/22.



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