

Date of writing Report 11th June, 1959.

When handed in at Local Office JUN 17. 1959

Received London -7 JUL 1959

Survey held at Osaka

No. of Visits 13

First Date 17th April 59

Last Date 30th April 59

# REPORT OF SHIP SURVEYS AND REPAIRS

The Surveyor's attention is drawn to the relevant requirements of Chapters B & C of the Rules.)

in R.B. 7473 on the Iron or Steel ~~XXXX~~ S.S. "RYUJIN MARU" Tons gross 6062  
 Built at Vcr By Whom Wallace S.B. & D.D.Co.,Ltd. When 1921 Year Month 4  
 Owners Hashimoto Kisen K.K. Owners' address (If not already in R.B.)  
 Managers Port of Registry Nishinomiya  
 Surveyed Afloat or in Drydock Both Name of Dock Fujinagata S.B. Date of last examn. in Drydock 30-4-59

Any alterations in existing particulars in the Register Book should be reported and underlined.

Last Report: No. Port To be filled in at Head Office.

Particulars of Classification (which must be inserted precisely as in Register Book and Supplement)

Surveys must be reported in the terms of the Rules. The nature and extent of Examinations and Repairs (if any) must be stated in detail, the parts examined and their condition being clearly indicated. For Annual, Special or other Condition Surveys the Summary of Condition and Condition on the back of the Report is to be carefully completed and if necessary in the body of the Report. Outstanding items to complete the Survey summarised at the end of the Report. The reasons for Repairs must be stated. In account of Damage (the alleged cause of which must be stated) should be separated repairs due to other causes, and, besides being detailed in the body of the Report, summarised in the form below. When, at a Special Survey, the Shell and Deck drilled the results must be reported on Report 8(Dr). Whenever Anchors or Chains are replaced or retested the necessary particulars are to be given on Report 8(Eq) to be attached to this Report.

SHIP'S CLASS Date of Special and of Drydocking Surveys, etc.	Machinery
+100A1	+LMC
SS (Dr) 12,48 Osa 4,55	Engines 4,55
DS 9,58	Boilers M 9,58
	Tail shaft CL 4,56
	Steam pipes 4,55

References and references to any letters relating to this Report.

In cases where the Surveyor has not made a special damage report he should state whether he offered services for this purpose and to whom and why they were declined. **Yes** Freeboard as marked on ship and now verified 1486 mm ~~XXXX~~  
 Not required Was a damage report made by anyone else? If so, by whom? **Unknown**

## NOTATION AND REPAIRS AS PER RULE FOR Docking, Commencement of Periodical Special Survey (D)

4,59 Ship 38 years old, and damage stated to have been caused through contact with submerged objects on the 3rd December, 1958 at Singapore, contact with pierwall on the 23rd March, 1959 at Singapore.

Plates :- Plates numbered from aft.

(1) - Starb'd shell plating indented in strakes

"F" in way of No.4 hold

"D" in way of No.3 hold

and "E" in way of No.2 hold.

(2) - Port side shell plating indented in strakes

"F" in way of No.4 hold

"H" & "J" in way of engine room

and "G" & "H" in way of No.2 hold.

Done :-

Starb'd shell plates F5 renewed, E4, E5, E6 faired in place and hold frames Fr.Nos. 34, 35, 36 faired in place in way of No.4 hold.

Starb'd shell plates D7 renewed, E7, C5, C7 faired in place and hold frames Fr.Nos. 64, 65, 66, 67 faired in way of engine room.

CONTINUATION OVER/XXXXXX

DESCRIPTION OF DAMAGE REPAIRS	Shell Plates	Frames	R. Frames	Floors and Bracket Floors	Inner Bottom Plates	Deck Plates	Beam knees	Other Items
Indented	9							Starb'd bilge keel
Indented and Faired or Repaired							6	part renewed.
Indented or Repaired in place	27	24						

Survey also been held on machinery of the Ship?

**YES, NOW.**

Is Classification Certificate required? If so, to be sent to -

**Kobe (1)**

Has Interim Certificate been issued? Yes, B-58256 copy attached.

## GENERAL OBSERVATIONS, OPINION AND RECOMMENDATION AS TO CLASS

State clearly what alteration, if any, is suggested to be made in the existing Classification or Survey or other records of the Ship in the Register Book consequent upon this survey; for example:— "to remain as Classed in the Register Book without fresh record of Docking"; "to remain as Classed and to have record of drydocking 1,55"; or "to remain as Classed and to have record of drydocking 1,55, and the notation of S.S. . . . 1,55".

Ship, as far as now surveyed is eligible in our opinion to remain as now classed with record of DS 4,59 to have the notation SS Osa 4,59 (Dr) when the special survey is completed.

*S. Bowman, H. McLean, K. Urayama*  
 Surveyor to Lloyd's Register of Shipping  
 S. Bowman. H. McLean. & K. Urayama.

TUESDAY 28 JUL 1959

Committee  
 SS 4,59, without spl side (Dr m)  
 TS 4,59 ES 4,59  
 SS 4,59, SPS 4,59  
 Certificate written.

Noted for Header



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TABLE 1 PARTS OF THE SHIP AS INDICATED BELOW HAVE BEEN EXAMINED FOR Docking & Commencement of Special SURVEY (D)

Items	Now Examined YES NO or NONE	Tanks	Now Examined Internally	Now Tested
Shell plating, sternframe and rudder cleaned, examined and recoated in drydock	Yes	F.P. Tank	Yes	Yes
Rudder lifted	Yes	A.P. "	Yes	Yes
Weather Decks, Superstructures and Casings	Yes	D.B. Tanks (Indicate Oil Fuel and Cofferdams)	Yes	Yes
Hatchways, Covers, closing and securing appliances	Yes	(F.O.T. Nos. 2, 3, 5, 6)		
Ventilator coamings, skylights, companionways and closing appliances	Yes	D.B.T.	Yes	Yes
Hold	All Yes	Fresh Water Tanks	None	None
Tween Decks	All Yes	Deep Tanks	Yes	Yes
Fore Peak Spaces	Yes	Oil Fuel Bunkers and Settling Tanks	Excluding starb'd tween deck F.O. tank	Excluding starb'd tween deck F.O.
After " "	Yes	Side Tanks	None	None
Engine Space	Yes	Wing Tanks	None	None
Boiler " "	Yes	Other Tanks		
Under Engines and Boilers	Yes	Cargo Tanks (Tankers)	None	
Tunnel and Well	None	Cofferdams		
Coal Bunkers	Yes	Pump Rooms		
Chain Locker	-			
Other Spaces				
		Have Tanks now Examined been Cleaned as Necessary?		None
		Have Struts in Cargo Tanks (of Tankers) been removed?		
		Have Tanks been Retested as necessary after completion of any Repairs?		

Have the spaces now surveyed been cleared and cleaned as necessary? **Yes**

Have the close ceiling and cargo battens, linings, pipe casings, etc., been removed and replaced as required by the Rules? **Yes**

Have the bilges been cleaned out and examined? **Yes**

Has steelwork had rust removed and afterwards been recoated as necessary? **Yes**

Were inspection plugs or any insulation removed in insulated spaces for examination of steelwork? **None**

Has a Load Line Survey been held? **Yes** If so, state which **Renewal by J.G. verification from attached herewith.**

Have the shell and deck plating been drilled as per Rule? **Yes** If so, Report 8(Dr) to be attached **attached herewith.**

Have any alterations to the approved scantlings and arrangements now been effected? **None** If so, report details in body of Report.

TABLE 2

The present condition of the following parts in so far as examined is to be reported:-

Shell plating	Good	Ceiling and Cargo Battens	Good	Sluice Valves examined and found	Good
" " in way of side scuttles	Good	Cement or Asphalt	Good	Air and Sounding Pipes	Good
Rudder and Sternframe	Good	Cargo and other Hatchways	Good	Doubling Plates under Sounding Pipes	Good
Decks	Good	Hatches and closing appliances	Good	Masts and Rigging examined and found	Good
Superstructures and their closing appliances	Good	Ventilators, their coamings and closing appliances	Good	Condition, how ascertained (State if wedges removed)	Good
Coamings and Casings	Good	Companionways and Skylights	Good	Chain Locker	Good
Beams and Fastenings	Good	Shell Openings	None	EQUIPMENT	
Frames	Good	Ash Shoots	None	Equipment Letter	Y
Reverse Frames	Good	Overboard Discharges and Scuppers	Good	Anchors, No. of	3B 1S Condition
Longitudinals	None	Freeing ports	Good	Cables (State if now ranged and examined)	ranged
Transverses	None	Steering Gear (Main and Auxiliary)	Good	" length 270 fms	mean diam. 2
Floors	Good	examined and found	Good	" (on board) 270 fms	Size 2
Keelsons	Good	Windlass examined and found	Good	" Rule Length	Stated sufficient
Stringers	Good	Pumps " " "	Good	Hawsers and Warps	No
Inner Bottom Plating	Good	W.T. Doors " " "	Good	State if any Anchors or Chain Cable have now been supplied or retested, if so, complete Report 8(Eq) and attach.	
Bulkheads and Tunnel	Good				

Have conditions (A) or endorsements (B) of Class (if any) been dealt with? **Yes** See Below

REMARKS, REPAIRS, Etc. (Contd.) **Starb'd shell plates E13 renewed, D12, D13, F12, F13 faired in place and hold Fr. Nos. 124, 125, 126, 127 faired in place in way of No.2 hold.**

**Starb'd bilge keel in way of D6 and D7 renewed.**

2) **Port side shell plates F5 renewed, E4, E5, G5, G6 faired in place and hold frame Nos. 34, 35, 36 faired in place in way of No.4 hold.**

**Port side shell plates H9, J8, J9 renewed, G8, G9, H8, H10, J7, S7, S8, S9 faired in place, hold frame Nos. 74, 75, 77, 80 faired in place and tween deck beam knees fr. Nos. 74, 75, 76, 77, 78, 79 removed, faired and refitted in way of engine room.**

**Port side shell plates G11, H12, renewed, F11, H11, G12, J11, J12 faired in place and frame Nos. 110, 113, 114, 115 faired in place in way of No.2 hold.**

Survey Fee **Part 55 ¥234,500.-** Second Surveyor's Fee (if any)

Special Damage or Repair Fee (if any) **50,000.-** Date when A/c. Rendered **JUN 17**

Special Attend. Fees **16,000.-**

Travelling Expenses (if chargeable) **6,000.-**

of KOBE Continuation of Report/No. 6656 dated 11th June, 1952 on the

s.s. "RYUJIN MARU"

On completion of repairs, port and starb'd shell plates in way hose tested and found satisfactory.

**R and Tear Repairs :-** **Rudder:-** All lignumvitae bushes for rudder pintle renewed.

**Plating :-**

**Port side -** Renewed F4, F5, in way of No.4 hold H9, J8, J9 in way of No.3 hold, F11, G11, H12 in way of engine and boiler room.

**Starb'd side -** Cropped and part renewed E2 and G3 in way of after peak tank and No.4 hold, renewed F4, F5 F6 in way of No.4 hold. And renewed, H8 & D7 in way of No.3 hold, G9 in way of No.2 hold, H12, G11, E13 in way of No.2 hold.

**Deck Framing :-**

**Port side -** Renewed fr. Nos. 104, 105, 114 in way of No.2 hold, cropped and part renewed, fr. Nos. 37, 70 in way of No.4 hold. Doublers fitted on 13 frames.

**Starb'd -** Cropped and part renewed fr. Nos. 31, 32, 35, 37 in way of No.4 hold. Doublers fitted on 26 frames.

**Deck Side Brackets :-**

**Port side -** Renewed fr. Nos. 24, 27, 36, 38, 42, 44 in way of No.4 hold, fr. Nos. 56, 58, 59, 60, 65, 68 69, 70 in way of No.3 hold, fr. Nos. 110, 113 in way of No.2 hold, fr. Nos. 150, 160, 171, 172 173, 174 in way of No.1 hold, cropped and part renewed fr. Nos. 26, 28 in way of No.4 hold, fr. Nos. 54, 62 in way of No.3 hold, fr. Nos. 106, 123 in way of No.2 hold, fr. Nos. 145 in way of No.1 hold.

**Starb'd -** Renewed fr. Nos. 22, 29, 35, 38, 42, 45 in way of No.4 hold, fr. Nos. 49, 68 in way of No.3 hold. Cropped and part renewed fr. Nos. 24, 26, 27, 33, 34 in way of No.4 hold, fr. Nos. 51, 53, 55, 58 59, 60, 61, 62, 63, 64, 65, 66, 67, 70, 71 in way of No.3 hold, fr. Nos. 105, 114, 121, 122, 140 in way of No.2 hold, fr. Nos. 148, 160 in way of No.1 hold.

**Set Plates for Double Bottom Tank :-**

**Port side -** Renewed fr. Nos. 56, 59, 62, 65, 68 in way of No.3 hold, Fr. Nos. 113, 119, 122, 131, 139 in way of No.2 hold.

**Starb'd -** Renewed fr. Nos. 53, 59, in way of No.3 hold, fr. Nos. 112, 114, 122 in way of No.2 hold, fr. Nos. 145, 148, 160, 163, 165, 167, 168 in way of No.1 hold.

**Plating :-**

**Port deck -** In way of galley bulkhead cropped and part renewed port side. Fuel oil side tank top starb'd cropped and part renewed.

**Starb'd deck -** No.3 hold in line of hatch, port and starb'd cropped and part renewed. After peak tank top centre cropped and part renewed.

**Hatches :-** Weather deck hatch coaming stiffeners cropped and part renewed. Aft end of No.1 hatch, for'd end of Nos. 2 & 5 hatches. Hatch beams, ends cropped and part renewed. 5 for No.1, 4 for No.2, 2 for No.3, 3 for No.4, 4 for No.5 hatches. Upper deck hatch side girder renewed in way of No.2 hatch port side and cropped and part renewed starb'd.

**Bottom Tanks :-**

Nos. 2 & 3 double bottom, rivets of side girder to bottom angle and vertical angle in way about 300 rivets renewed and rivets on vertical angle of margin plates about 250 rivets renewed. Cross oil tank port side, rivets on tank top beam knees about 220 rivets renewed.

**Decks :-** No.1 & 2 hold bulkhead, lower strake doubler fitted full breadth and port side plates cropped and part renewed. No.3 hold, 4 horizontal brackets renewed.

**Condition of Class (A) :-**

Centre line pillars in No.1 cargo hold have now been removed, faired and refitted. It is recommended that the above item might be removed from the ship's class.

**Condition of Class (B) :-**

No.1 plate (s.s.) from aft in 1st strake below sheer strake examined and found remain efficient.

**Complete SS :-**

The starb'd tween deck fuel oil tank to be examined internally and tested.

