

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office **THU. 2 JUN 1921**

Date of completion of report **Jan 8th 1921.** Port of **Kobe Japan.** No. **3066**
Survey held at **Kobe** Date, First Survey **April 8th 1920** Last Survey **December 28th 1920**
On the **Steel Single Screw Steamer YORO MARU.** Rig **Two masts.**

On the (State if Single, Twin, or Triple Screw)	CLASS 100 A.I.	FEET.	Master
TONNAGE under Tonnage Deck...	Breadth (greatest moulded).....	50.00	Year of appointment
Do. between Tonnage Dk. and 3rd and 4th Dk.	Depth, at middle of length from top of keel to top of upper deck beams at side.....	29.08	(1) As Master in service of owner of present vessel:—19 (2) As Master of this vessel:—19
Total under Upper Dk. 3475.91	Transverse Number.....	79.08	Built at Kobe.
Do. of Poop 97.55	Length on deck from fore part of stem to after part of stern post.....	345.00	When built 1920 Launched 30th Augst 1920.
Do. of R.Q. Dk. 50.48	Longitudinal Number.....	27282.60	By whom built Mitsubishi Zosen Kaisha Ltd
Do. of Bridge House 54.16	Depth "d," at middle of length (See Secs. 2 & 13)....	17.50	Owners Mitsubishi Zosen Kaisha Ltd
Do. of Forecastle 126.69	Proportions—Depths to Length—Upper Deck Beam at side to top of keel.....	11.86	Managers (Where necessary to be entered in Reg. Book.)
Do. of Houses on Dk. 46.91	Do. " " Long Bridge Deck Beam at side to top of keel.....		Residence
Do. of excess of Hatchways 5.12			Port belonging to Kobe Japan.
Do. above Crown of Engine Room 5.12			
Gross Tonnage 3856.82			
Less Crew Space 204.05			
Less above Crown of Engine Room 5.12			
TONNAGE FOR FEES.. 1234.18			
Less Engine Room 41.10			
Less Navigation Spaces 7.94			
Register Tonnage 2369.55			
as cut on Beam			

Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
1	345	0	Moulded	50	0	Do. do. do.	Second Dk. Beams	26	8 1/2	two
								18	2 1/2	No. of Tiers of Beams
										two

of Ship per Register, Length **345'** breadth **50'** depth

Moulded depth, ft. **36** ins. **10** To Bridge Dk. Round of Upper } **12 1/2** ins.
Moulded depth, ft. **29** ins. **1** To Upper Dk. Dk. Beam, Actual }

FRAMING.				PILLARS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
Plates, or C or L Bars amidships	37	37	37	PILLARS In 'tween Deck, size and spacing			
Do. at ends of vessel	37	37	37	" Hold			
Do. of Double Bottoms at Solid Floors	37	37	37	" Quarter 'tween Dks.,			
Do. at intermdt. Bkts.	37	37	37	" in Hold			
Plates from centre to centre amidships	37	37	37	KEELSONS & STRINGERS.			
Do. length to Collision bulkhead	37	37	37	CENTRE LINE KEELSON, Vertical Plate above			
Do. in peaks	37	37	37	Do. floors, Through Plate, or Intercostal Plate			
FRAME, Angles	37	37	37	Do. Rider Plate			
Do. of Double Bottoms at Solid Floors	37	37	37	Do. Flat Plate Keel Angles			
Do. at intermdt. Bkts.	37	37	37	Do. Horizontal Plates on Floors			
Depth of girder	37	37	37	Do. Angles or Bulb Angles			
Depth and thickness of Floor Plate	37	37	37	SIDE KEELSONS, Number			
Mid-line for 1/2 length amidships	37	37	37	Do. Angles or Bulb Angles			
Do. of Engine and Boiler Spaces	37	37	37	Do. Plate above floors, for length			
Plating at the ends of vessel	37	37	37	Do. Intercostal Plate, for length			
Plating at 1/2 the half breadth, as per Rule	37	37	37	Do. Attached to outside Plating with Angle			
Cell, Double Bottoms	37	37	37	BILGE KEELSON, Angles			
Do. if flanged (top & bottom)	37	37	37	Do. Intercostal Plate for length			
Plating of Solid floors	37	37	37	Do. Attached to outside Plating with Angle			
ORDER, in Dbl. bottom, depth & thickness	37	37	37	SIDE STRINGERS, Number			
Do. Angles, Top	37	37	37	Do. Angle			
Do. Bottom	37	37	37	Do. Intercostal Plate, for length			
Do. to Floors	37	37	37	Do. Attached to outside plating with Angle			
Plating at intermdt. frmg., width & thickness	37	37	37	Upper Deck Stringer Plate, br'dth & thickness			
ERS, number on each side & thickness	37	37	37	Do. (clear of Bridge)			
Do. state if flanged (top and bottom)	37	37	37	Do. br'dth & thickness			
Angles (top and bottom)	37	37	37	Do. (in way of Bridge)			
Do. to Floors	37	37	37	Do. Angle (clear of Bridge)			
ATE, depth (exclusive of flange)	37	37	37	Do. Tie Plate at sides of Hatchways			
Do. and thickness	37	37	37	Do. Deck * Iron or Steel, for WHOLE. lng.			
Angle to Outside Plating	37	37	37	Do. Thickness (clear of Bridge)			
Do. Floors	37	37	37	Do. (in way of Bridge)			
Plating at intermdt. frmg., width & thickness	37	37	37	Do. Wood Deck, Material & thickness			
Height of Outside Brackets above at bilge	37	37	37	Second Deck Stringer Plate, br'dth & thickness			
TTOM PLATING, breadth and thickness of Middle Line Strake	37	37	37	Do. Angles on ditto, No. two angles			
Do. in Engine and Boiler space	37	37	37	Do. Tie Plates outside Hatchways			
Do. Remainder in Holds	37	37	37	Do. Deck * Iron or Steel, for WHOLE. lng.			
Upper Deck, Single Angle, Bulb	37	37	37	Do. Wood Deck, Material & thickness			
Angle, Plate, Tee Bulb, or Channel	37	37	37	Third Deck Stringer Plate, br'dth & thickness			
Way of Long Bridge	37	37	37	Do. Angles on ditto, No.			
Plating	37	37	37	Do. Tie Plates, outside Hatchways			
Second Deck, Single Angle, Bulb	37	37	37	Do. Deck * Material and thickness			
Angle, Plate, Tee Bulb, or Channel	37	37	37	Fourth and Fifth Deck Stringer Plate, breadth & thickness			
Plating	37	37	37	Do. Angles on ditto, No.			
Third and Fourth Deck, Single Angle, Bulb	37	37	37	Do. Tie Plates outside Hatchways			
Angle, Plate, Tee Bulb, or Channel	37	37	37	Do. Deck, Material & thickness			
Plating	37	37	37	Do. Poop Deck Stringer Plate, breadth & thickness			
Angles on upper edge	37	37	37	Do. Angle on ditto			
Plating	37	37	37	Do. Tie Plates			
Upper Deck, Angle, Bulb Angle, Plate	37	37	37	Do. Deck, Material and thickness			
Angle, Bulb, or Channel	37	37	37	Do. Bridge Deck Stringer Plate, br'dth & thickness			
Angles on upper edge	37	37	37	Do. Angle on ditto			
Plating	37	37	37	Do. Tie Plates			
Bridge Deck, Angle, Bulb Angle, Plate	37	37	37	Do. Deck, Material and thickness			
Angle, Bulb, or Channel	37	37	37	Do. Forecastle Deck Stringer Plate, br'dth & thickness			
Angles on upper edge	37	37	37	Do. Angle on ditto			
Plating	37	37	37	Do. Tie Plates			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	37	37	37	Do. Deck, Material and thickness			
Angles on upper edge	37	37	37				
Plating	37	37	37				

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WEB FRAMES.				FORGINGS or CASTINGS.			
		Inches in Ship.	Inches per Rule, Or as Approved.			Inches in Ship.	Inches per Rule, Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing		2'-9" 0"		KEEL, Bar, depth and thickness		Plate Keel	
" " " brdth. & thickness		27" x .114	as approved	STEM, moulding and thickness		10" x 2 1/2"	10" x 2 1/2"
" " " No. of Side Stringers		✓		STERN-POST for Rudder do. do.		9" x 7"	9" x 7"
WEB-FRAMES, In E. & B. Space, No. & spacing		✓		" " for Propeller		10" x 7"	10" x 7"
" " " brdth. & thickness		✓		RUDDER—A x D* Table 22. Speed		334-56	334-56
" " " No. of Side Stringers		✓		" Main-Piece, diameter at head		8"	8"
" " " Size of Face Angles to Web-Frames		7 1/2 x 45°		" " at heel		6"	6"
BRACKET PLATES to Stringers between Web Frames, depth and thickness		✓		RUDDER, how constructed		Jugate Steel Main Piece + Cast Steel Arms.	
BULKHEADS.		Number.	Thickness.	STIFFENERS.		Single or Double Frames.	
Vessel.		Per Rule.	Inches.	Horizontal.		Vertical.	
W.T. BULKHEADS		A.P.	40-26	8 1/2 x 3/8		Single 2" steel	
31		40-26	✓	8 1/2 x 3/8		Single 2" steel	
51		40-26	✓	8 1/2 x 3/8		Single 2" steel	
71		40-26	✓	8 1/2 x 3/8		Single 2" steel	
96		40-26	✓	8 1/2 x 3/8		Single 2" steel	
" COLLISION "		F.P.	40-26	8 1/2 x 3/8		Single 2" steel	
PARTITION							
LONGITUDINAL.							
Are the outside Plates doubled two spaces of Frames in length?		no	✓	Are the Steel tested as required by the Rules?		yes	
Are the Side Valves and Watertight Doors in efficient working order?		yes					
PLATING.				RIVETING.			
STRAKES.		AS IN SHIP.		PER RULE OR AS APPROVED.		EDGES.	
Breadth.		Thickness.	Thickness.	Breadth.		Thickness.	
Inches.		Inches.	Inches.	Inches.		Inches.	
FLAT PLATE KEEL		46	92	46		92	
GARBOARD or A Strake		66	46	50		✓	
B "		✓	✓	✓		✓	
C "		✓	✓	✓		✓	
D "		✓	✓	✓		✓	
E "		✓	✓	✓		✓	
F "		68	44	44		68	
G "		✓	✓	✓		✓	
H "		✓	✓	✓		✓	
J "		✓	✓	✓		✓	
K "		62	✓	62		✓	
L "		46	72	46		72	
M "		✓	✓	✓		✓	
N "		✓	✓	✓		✓	
O "		✓	✓	✓		✓	
P "		✓	✓	✓		✓	
Q "		✓	✓	✓		✓	
R "		✓	✓	✓		✓	
S "		✓	✓	✓		✓	
T "		✓	✓	✓		✓	
U "		✓	✓	✓		✓	
V "		✓	✓	✓		✓	
W "		✓	✓	✓		✓	
THICKNESS OF SHEET		20-0 x .68	✓	36		Single 2 1/2"	
CLEAR OF LONG BRIDGE		✓	✓	✓		✓	
DO. OF STRAKE BELOW		✓	✓	✓		✓	
Dble. of Flat Plate Keel		✓	✓	✓		✓	
" Sheerstrakes		✓	✓	✓		✓	
Length and thickness.		✓	✓	✓		✓	
POOP SIDES		40	✓	40		✓	
SHORT BRIDGE SIDES		✓	✓	✓		✓	
FORECASTLE SIDES		✓	✓	✓		✓	
Upper Deck		Butts, riveted for	Half	length amidship.		Butts of Side Stringers	
Stringer Plate		Straps, single, double or overlapped for	whole	length amidship.		riveted.	
Second Deck		Butts, riveted for	Half	length amidship.		Inner Bottom Plating, riveting of Edges	
Stringer Plate		Straps, single or overlapped for	whole	length amidship.		riveted. Keelson Butts.	
FRAMES, extend in one length from		Center Girders to Margins	✓	State if ordinary or joggled		Joggled.	
REVERSED FRAMES on floors		and extend from Center Girders to Margins	✓	State if ordinary or joggled		33" Framing	
R.F. extends to Upper + 2" deck		alternately	✓	State if ordinary or joggled		✓	
MASTS, SPARS, &c.							
Material.		Total Length.	DIAMETER AND THICKNESS.		No. of Plates in round.		ANGLES.
Fore		54-6	23 1/2 x .40	23 1/2	20 1/2 x .34	17 1/2	2 1/2
Main		55-0	22 x .40	22	20 1/2 x .34	17 1/2	2 1/2
Mizen		✓	✓	✓		✓	
Bowsprit		✓	✓	✓		✓	
Topmasts, Yards and Remainder of Spars		Topmasts Oregon Pine	✓		✓		✓
Rigging, Material and Size, Shrouds		Fore masts 4 1/2 in. Main masts 4 in. Shrouds 3 in.	✓		✓		✓
Sails.		Suit of	✓		✓		✓
Sails, and the following spare sails		Main 5 1/2 " Main 2 1/2 "	✓		✓		✓

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EQUIPMENT No.				LETTER				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS					
Number of Certificate.		Anchors.		WEIGHT, EX STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.		Makers.		Where and when tested and Superintendent.	
				Cwts. qrs. lbs.		Cwts. qrs. lbs.		Tons. cwt. qrs. lbs.		Cwts. qrs. lbs.							
511		1st Bower		50 0 10		50 0 10		42 9 0		50 0 0		Halle Type, C.S. head		Kobe Steel Works		Kobe 11-6-19 A. Watt	
517		2nd "		49 3 23		49 3 23		42 7 0		49 3 0		" " "		" " "		" 4-7-19 A.L. Jones	
510		3rd "		49 3 19		49 3 19		42 5 3		49 3 0		" " "		" " "		" 2-6-19 A. Watt	
439		4th "		149 3 24		149 3 24		149 3 24		149 3 24		" " "		" " "		" " "	
456		Stream		15 2 26		15 2 26		17 3 0		14 0 0		Admiralty Type		Sumitomo Steel Works		Osaka, 24-5-19 J. J. Co.	
456		Kedge		6 2 24		6 2 24		9 0 0		6 0 0		" " "		" " "		" 24-5-19 J. J. Co.	
Particulars of Drop Test of Cast Steel Anchors, viz.:				1st Bower				Drop test 12'-0"				28-3-10. A.L.J. 511. 5-5-19.					
Weight, Surveyor's Initials, Number of Certificate, Date of Test.				2nd "				" " "				28-2-21. A.L.J. 517. 5-6-19.					
				3rd "				" " "				28-3-0. A.L.J. 510. 8-4-19.					
				4th "				" " "									
CHAIN CABLES.																	
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 31.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.	
		Length. Diam.		Tons. Tons.		Cwts. qrs. lbs. Cwts. qrs. lbs.		Length. Diam.		Fathoms. Ins.							
592		21 1/2 2 1/2		76 1/2		107 1/2		479-1-4		573-2-14		270 2 1/2		Kobe Steel Works		Osaka, 19-5-19 J. J. Co.	
1045		60 1/2		✓		✓		34-0-14		✓		✓		" " "		" 26-6-20 J. J. Co.	
Iron (Stream Chain or Steel Wire)		90 4 1/2		39 4 1/2		43 0 0		90 4 1/2		✓		✓		" " "		" 2-90 7" Manila 2-90 7"	
Boats 2 Lifeboats 75'-0" 3'-0" 3'-3", 1 Pinnace 19'-0" 5'-0" 2'-0" Steering Gear, Steam amidships Steering Gear, Hand aft																	
Pumps, Number one down Diameter of Barrel 5 1/2 State whether they are in efficient working order yes																	
Windlass is Steam by Builders Capstan																	
Engine Room Skylights.—How constructed? Steel plates + angles What arrangements for deadlights in bad weather? Colors in Steel Frames																	
Coal Bunker Openings.—How constructed? Steel plates + angles How are lids secured? Wood Covers Height above deck? 1'-6"																	
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 3 Sprung Ports 5'-4" x 1'-4" P+S. Both Walls + 2'-3" dia. Scuppers from Deck																	
Ceiling in Molds, thickness and material 1/2 Oregon Pine 1/4 Scuppers 7/16" Cargo Battens, thickness and material 6'-2" in Molds + 3'-0" in Deck																	
Cargo Hatchways.—How formed? Steel plates + angles Hatches, If strong and efficient? Yes 3 mds O.P.																	
State size No. 1 Hatch (Forward) 27'-6" x 18'-0" No. 2 Hatch 33'-0" x 18'-0" No. 3 Hatch 30'-3" x 18'-0" No. 4 Hatch 27'-6" x 18'-0"																	
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 5 in 11'-0" 4 in 11'-2" 6 in 11'-3"																	
No. of Breasthooks 4 No. of Crutches 4																	
Bulwarks, height above deck and description 3'-9" Plates + Angles Main Rail, material and size 6'-3" x 40 B.A. Ship 6'-3" x 40 B.A.																	
The foregoing is a correct description. Surveyor's Signature S. James Preston.																	
Builder's Signature (here only) J. Kraus & Co. Kobe Works. Mitsubishi Zosen Kaisha Ltd. Surveyor to Lloyd's Register of Shipping.																	
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																	
Kobe Letter 28/6/20. London, 29. 30/7/20. Kobe 27/9/20.																	
Workmanship. Are the butts of plating planed or otherwise fitted? Planed or shipped																	
Is the riveted work properly closed? Yes																	
Are the liners between the frames and plates solid single pieces? Joggled framing. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes																	
Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes																	
Do any rivets break into or through the seams or butts of the plating? No																	
Are the butts of Plating, Stringers, &c., properly shifted and lapped? Yes																	
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Satisfactory.																	
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Satisfactory.																	
General Remarks (State quality of workmanship, &c.)																	
This Vessel has been built under Special Survey in accordance with the Rules and Approved Plans, and the Materials and Workmanship have been found Good.																	
Photo Prints of Midship Section.—Profile and Deck are forwarded.																	
Sister Vessels.—AKITA MARU. NAGASAKI. MITSUBISHI. HULL No. 252																	
YAMAGATA MARU " " " " 253																	
MABERASU MARU " " " " 285																	
SAMARANGA MARU KOBÉ REPORT No. 2834.																	
The amendments to Original approved Plans were approved by New York Office on the 6th Nov. 1919.																	
The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.																	
Fees applied for, The amount of Entry Fee 50: Received by me, 19: Certificate to be sent to Kobe Date of issue 16.9.21.																	
Special Survey Fee 21.25: Travelling Expenses, if any £ 50: State whether the Vessel has been built under Special Survey Yes																	
I am of opinion this Vessel should be Classed 100 A.I. Without.																	
With, or without Freeboard, as condition of Class Without.																	
Committee's Minute FRI. 16 SEP. 1921																	
Character assigned 100 A.I.																	
296.0 + L.M.B. 4.21																	
Lloyd's Register Foundation																	

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.5 ft., R.Q.D. ☒ ft., Bridge 74.25 ft., Forecastle 40.00 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as should appear in the Register Book) Two Steel decks. Two tiers of Beams
 Official No. _____; Signal Letters _____ State if Machinery is fitted aft no
 How are the surfaces preserved from oxidation? Inside Paint & Cement Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

Where Fitted.	*Length.		Where Fitted.	*Length.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<u>107.25</u>	<u>249.64</u>	Fore peak tank,	<u>open Tank</u>	<u>27.24</u>
Double bottom, under Engines and Boilers,	<u>"</u>	<u>"</u>	After peak tank,	<u>10.0</u>	<u>"</u>
Double bottom, if under Engines only,	<u>"</u>	<u>"</u>	Deep tank, aft,		
Double bottom, if under Boilers only,	<u>30.25</u>	<u>102.52</u>	Deep tank, forward,		
Double bottom, forward,	<u>134.75</u>	<u>350.01</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>702.17</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 22.25

State whether the above have been tested as required by the Rules yes

Order for Special Survey No. _____

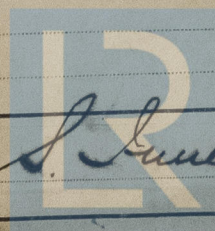
Date _____

No. 83 in builder's yard.

Dates of Surveys held while building

1920. April 8. 21. 29. May 17. 24. 25. 28. June 2. 3. 4. 7. 10. 15. 17. July 7. 13. 15. 23. 28. 29. Aug 3. 5. 14. 16. 20. 27. Sept. 8. 14. Dec. 28. 1921.

Surveyor's Signature



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Total No. of Visits 29

Register Foundation