

TUE. 4 JUL. 1922

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 3553

Port of Kobe Date of completion of Report July 21 1921 Received at London Office
Survey held at Osaka Date, First Survey Feb 2 1920 Last Survey July 8 1921
On the (State if Single, Twin, or Triple Screw) Single Screw Steamer "BANDAI MARU" Rig Two masts

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. and
3rd, 4th, or Awning Dk. 3874.10
Total under Upper Dk. 39.47
Do. of Poop 78.11
Do. of R. Qr. Dk. 56.69
Do. of Bridge House 60.32
Do. of Forecastle 38.30
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of
Engine Room...
Gross Tonnage 4146.99
Less Crew Space 182.54
Less above Crown of
Engine Room...
TONNAGE FOR FEES...
Less Engine Room 1327.04
Less Navigation Spaces 54.84
Less Ballast Tanks 42.00
Register Tonnage
as cut on Beam... 2540.54

CLASS * 100 A - FEET.
Breadth (greatest moulded) 46.5
Depth, at middle of length from top of keel to top of
beams at side of uppermost Continuous Deck 24.5
Deduct height of 'tween deck when this does not exceed 8ft.
Transverse Number 71.25
Length on deck from fore part of stem to after part of
sternpost 340.00
Longitudinal Number 24225
Depth "d" at middle of length. See Secs. 2 & 13 10.67 & 21.17
Proportions, Depths to Length, Uppermost Continuous
Deck at side to top of keel 10.38
" " " Upper Deck at side
to top of keel

Master
Year of Appointment (1) As Master in service of
owner of present vessel: -191
(2) As Master of this
vessel: -191
Built at Osaka
When built 1921 Launched 23rd Mar 1921
By whom built Nitta Shipyard
Owners Nitta Steamship Company
Managers
(Where necessary to be entered in Reg. Book.)
Residence Kobe
Port belonging to Kobe

Dimensions of Ship per Register,
Length 340 breadth 46.5 depth 24.5
Awning or Shelter Dk. Moulded depth, ft. 32 ins. 9 To Awning or Shelter Dk. Round up of Uppermost
Upper Deck. Moulded depth, ft. 24 ins. 6 To Upper Dk. Dk. Beam, Actual 11 ins.

FRAMING.						PILLARS.							
Inches in Ship.						Inches in Ship.							
NAME, Angles, or Bars, amidships	6	3 1/2	4 1/4	6	3 1/2	38	PILLARS, In 'tween Deck, size and spacing						
Do. in peaks	6	3 1/2	4 1/4	6	3 1/2	34	" " Hold	"	"	Fitted as approved			
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	38	3 1/2	3 1/2	38	" Quarter, 'tween Dks.,	"	"	Space as per profile			
" " at intermdt. Bkts.	6	3 1/2	4 1/4	6	3 1/2	44	" " in Hold	"	"				
acing of Frames from centre to centre amidships	24					24	KEELSONS AND STRINGERS.						
" length to collision bulkhead							CENTRE LINE KEELSON, Vertical Plate above						
" of Frames from centre to centre in peaks							floors, Through Plate, or Intercoastal Plate						
EVERSED FRAME, Angles	6 1/2	3 1/2	4 1/4	3 1/2	3 1/2	38	Rider Plate						
Do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	38	3 1/2	3 1/2	38	Flat Keel Plate Angles						
" " at intermdt. Bkts.	3 1/2	3 1/2	38	3 1/2	3 1/2	38	Horizontal Plates on Floors						
RAMING, depth of girder	6 1/2	3 1/2	4 1/4	6 1/2	3 1/2	38	Angles or Bulb Angles						
DOORS, depth and thickness of Floor Plate	6	3 1/2	4 1/4	6	3 1/2	38	SIDE KEELSONS, Number						
" at mid-line for 1/2 length amidships	6	3 1/2	4 1/4	6	3 1/2	38	Angles or Bulb Angles						
" in way of Engine and Boiler spaces	6	3 1/2	4 1/4	6	3 1/2	38	Plate above floors, for						
" thickness at the ends of vessel	6	3 1/2	4 1/4	6	3 1/2	38	Intercoastal Plate, for						
" depth at 1/2 the half-bdth. as per Rule	6	3 1/2	4 1/4	6	3 1/2	38	Attached to outside plating with Angle						
" height extended at the Bilges	6	3 1/2	4 1/4	6	3 1/2	38	BILGE KEELSON, Angles						
DOORS, in Cell Double Bottoms	38	50	B.R.	38	50	B.R.	Intercoastal Plate, for						
" state if flanged (top and bottom)	no			no			Attached to outside plating with Angle						
" spacing of Solid	48	24		48	24		SIDE STRINGERS, Number 1 in 7' - 3'						
ENTRE GIRDER, in Dbl. bottom, dpth. & thickness	40	50	B.R.	40	50	B.R.	Angle						
" Angles, Top	3 1/2	3 1/2	50	44	56	B.R.	Intercoastal Plate, for 1/2 1/3 1/4 1/2						
" Bottom	5	4	56	5	4	56	Attached to outside plating with Angle						
" to Floors	5	5	50	56	B.R.	56	Awning or Shelter Deck Stringer Plates,						
" Brackets at intermdt. frmg., width & thkness	15	38	46	B.R.	15	38	breadth and thickness						
IDE GIRDERS, number and thickness	two	38	46	B.R.	38	46	Angle on ditto						
" state if flanged (top & bottom)	no			no			Tie Plates, fore and aft, outside Hatchways						
" Angles	3 1/2	3 1/2	38	46	3 1/2	38	Deck * Iron or Steel, for						
MARGIN PLATE, depth (exclusive of flange)	32	44	53	B.R.	32	44	Wood Deck, Material & thickness						
" and thickness	18 1/2	3 1/2	44	3 1/2	3 1/2	44	Upper Deck Stringer Plate, breadth and						
" Angles to outside plating	3 1/2	5	38	46	3 1/2	38	thickness						
" to floors	3 1/2	5	38	46	3 1/2	38	Angles on ditto, No.						
" Brackets at intermdt. frmg., width & thkness	13	38	46	B.R.	13	38	Tie Plates, outside Hatchways						
" Height of Brackets above at bilge	22			22			Deck * Iron or Steel, for						
INNER BOTTOM PLATING, breadth and	48	46	38	48	46	38	Wood Deck, Material & thickness						
" thickness of Middle Line Strake	54	B.R.	54	B.R.	46	B.R.	Second Deck Stringer Plates, br'dth & thickn's						
" thickness in Engine and Boiler space	46	B.R.	54	B.R.	46	B.R.	Angles on ditto, No. on Hold Beams						
" Remainder in Holds	38	34	38	34			Tie Plates, outside Hatchways						
EAMS, Awning or Shlter Dk. Single Angle	6	3	40	6	3	40	Deck * Material and thickness						
" Bulb Angle, Plate, Tee Bulb or Channel	24			24			Third, Fourth & Fifth Deck Stringer Plate,						
" Spacing	24			24			breadth and thickness						
EAMS, Upper Deck, Single Angle Bulb Angle	6 1/2	3	38	6 1/2	3	40	Angles on ditto, No.						
" Plate, Tee Bulb or Channel	24			24			Tie Plates, outside Hatchways						
" Spacing	24			24			Deck, Material and thickness						
EAMS, Second, Third & Fourth Deck, Single	12	56	12	56			Poop Deck Stringer Plate, breadth & thickness						
" Angle Bulb Angle Plate, Tee Bulb or Channel	5	4	44	5	4	44	Angles on ditto						
" Angles on upper edge	24			24			Tie Plates						
" Spacing	24			24			Deck, Material and thickness						
EAMS, Poop Deck, Angle Bulb Angle, Plate	6	3	40				Bridge Deck Stringer Plate, br'dth & thickness						
" Tee Bulb or Channel	24			24			Angle on ditto						
" Angles on upper edge	24			24			Tie Plates						
" Spacing	24			24			Deck, Material and thickness						
EAMS, Bridge Deck, Angle Bulb Angle, Plate	6	3	40	8	3 1/2	62	Forecastle Deck Stringer Plate, br'dth & th'kness						
" Tee Bulb or Channel	24			24			Angle on ditto						
" Angles on upper edge	24			24			Tie Plates						
" Spacing	24			24			Deck, Material and thickness						

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

W 1493-0025-1/2

WEB FRAMES.				FORGINGS or CASTINGS.			
Inches in Ship.				Inches in Ship.			
WEB FRAMES, In Fore Body. No. and spacing every 5' frame brdth. & thickness 22" x 44"				KEEL, Bar, depth and thickness Plate.			
WEB FRAMES, In E. & B. Space. No. and spacing every 5' frame brdth. & thickness 22" x 44"				STEM, moulding and thickness 9 1/2 x 3 1/2			
WEB FRAMES, In After Body. No. and spacing every 5' frame brdth. & thickness 22" x 44"				STERN-POST for Rudder do. do. 8 1/2 x 6 1/2			
No. of Side Stringers " "				for Propeller " " 9 1/2 x 6 1/2			
Size of Face Angles to Web-Frames " "				RUDDER—A x D Table 22. Speed 10 knots			
BRACKET PLATES to Stringers between Web Frames, depth and thickness " "				Main-Piece, diameter at head 9 1/4			
" " " " at heel " " 6 3/4				RUDDER, how constructed Single Plate			
BULKHEADS. Number, Thickness, STIFFENERS. Single or Double Frames. Height up, state deck.				Thickness of Plates or Single Plate 1.04			
W.T. BULKHEADS A.P. 11. 40-26 7 x 3 1/2 x 3 1/2 x 50 E 24 Upper				Can the Rudder be unshipped afloat? Yes.			
35. 42-26 4 x 3 1/2 x 3 1/2 x 48 E 30				Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Jones Luchlan & Co. Coronado Steel & Iron Co. U.S. Steel Products Co., Inland Steel Co.			
61. " " " " " " " "				Has the Steel been tested as required by the Rules? Yes.			
86-97 48-26 " " " " " "				Are the outside Plates doubled two spaces of Frames in length? Bracket fitted			
130 42-26 10 x 3 1/2 x 3 1/2 x 50 E 24				Are the Side Plates and Watertight Doors in efficient working order? Yes.			
161 46-26 6 x 3 1/2 x 3 1/2 x 44 L				PLATING.			
one 40x54 ft. fitted to 84" x 35 1/2 x 86 x 130				RIVETING.			
STRAKES.				EDGES.			
AS IN SHIP.				BUTTS.			
AMIDSHIP. FORWARD. AFT.				Ordinary or Joggled?			
Breadth. Thickness. Thickness. Thickness. Breadth. Thickness.				Single or Double. Breadth of Lap. Diam. Spacing cr. to cr. Rivets. Double or Treble and for what Length. Rivets. Diam. Spacing cr. to cr. Straps. Breadth. Thickness. Breadth. For what Length.			
PLATE KEEL 48 90 64 64 48 90				Double 6-5 1/2 x 7 1/2 x 4 1/2 Quad. Treble 1-7 1/2 x 3 1/2			
GABBOARD OF A STRAKE 58 44 44 58				Treble 5 1/2 x 7 1/2 x 3 1/2 Treble 7 1/2 x 3 1/2			
State actual thickness in way of Double Bottom.				14-12-10 9-5			
B " " " " " "				" " " " " "			
C " " " " " "				" " " " " "			
D " " " " " "				" " " " " "			
E " " " " " "				" " " " " "			
F " " " " " "				" " " " " "			
G " " " " " "				" " " " " "			
H " " " " " "				" " " " " "			
I " " " " " "				" " " " " "			
J " " " " " "				" " " " " "			
K " " " " " "				" " " " " "			
L " " " " " "				" " " " " "			
M " " " " " "				" " " " " "			
N " " " " " "				" " " " " "			
O " " " " " "				" " " " " "			
P " " " " " "				" " " " " "			
Q " " " " " "				" " " " " "			
R " " " " " "				" " " " " "			
S " " " " " "				" " " " " "			
T " " " " " "				" " " " " "			
U " " " " " "				" " " " " "			
V " " " " " "				" " " " " "			
W " " " " " "				" " " " " "			
THICKNESS OF SHEET PILE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF PLATE KEEL				63 56			
Sheerstrakes Length and thickness.				16'0" at ends of Bridge 56			
POOF SIDES				38			
SHORT BRIDGE SIDES				38			
FORECASTLE SIDES				38			
Awning or Shelter Deck Butts, riveted for whole length amidship.				Butts of Side Stringers Broad Stringers Treble riveted.			
Stringer Plate Straps, single or overlapped for whole length amidship.				Tie Plates double riveted.			
Upper Deck Butts, riveted for whole length amidship.				Inner Bottom Plating riveting of Edges Deck & Sing Butts 111. 11. 1.			
Stringer Plate Straps, single or overlapped for whole length amidship.				Centre Girder Butts Treble riveted. Keelson Butts, riveted.			
Frames, riveted through Plates with 7/8 in. Rivets, about 6 apart.				Rivets , state whether Iron or Steel Steel			
FRAMES extend in one length from Margin plate to Shellin + Forecastle decks State if ordinary or joggled Ordinary.				REVERSED FRAMES on floors and frames extend from C. Girder to margin plate + from margin to Shellin deck and to Forecastle deck in Forecastle. State if ordinary or joggled Ordinary.			
MASTS, SPARS, &c.				RIVETING.			
Material. Total Length. DIAMETER AND THICKNESS. At Partners. Head. Hounds. Head. No. of Plates in round. ANGLE. Riveting. Butts.				Number. Size. Scams. 3/4.			
LOWER MASTS. Fore 56x6 24 24 19x44 19 2				" " " " " " " "			
Main " " " " " " " "				" " " " " " " "			
Mizzen " " " " " " " "				" " " " " " " "			
Bowsprit				" " " " " " " "			
Topmasts, Yards and Remainder of Spars				" " " " " " " "			
Rigging, Material and Size, Shrouds 4 each mast 4" in F.S.W.R. Stays 4 1/2 in F.S.W.R.				" " " " " " " "			
Sails, Suit of				Sails, and the following spare sails			

EQUIPMENT No. 26936. LETTER V. ANCHORS.									
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.	
				Cwts. qrs. lbs.		Cwts. qrs. lbs.		Tons. cwt. qrs. lbs.	
9434.		1st Bower		51 3 4		43 9 1 14		43 9 1 14	
9243.		2nd "		51 1 10		43 4 2 31		43 4 2 31	
832.		3rd "		33 3 25		8 2 8		31 12 2 0	
9115.		Collective weight		13 1 26		3 2 18		15 3 3 0	
9279.		Stream		5 1 22		1 3 24		7 16 1 0	
		Kedge							
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.									
1st Bower Drop test 12'0" 51-3-4. 16. 9434. 13-5-19.									
2nd " " " " 51-1-10. 16. 9243. 12-5-19.									
3rd " " " " 32-1-23 1/2. 832. 22-6-21.									
CHAIN CABLES. HAWSERS AND WARPS.									
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per Table 31.	
		Length. Diam.		Status. Break- ing.		Supplied. Per Rule.		Description. Makers of Cables.	
1107.		305 2 72 100%		Tons. Cwts. qrs. lbs.		Tons. Cwts. qrs. lbs.		Fathoms. Ins.	
54197.		605 1 1/2 67 1/2 100%		Tons. Cwts. qrs. lbs.		Tons. Cwts. qrs. lbs.		Fathoms. Ins.	
Remainder of 270 fms.		1 1/2 67 1/2 100%		Tons. Cwts. qrs. lbs.		Tons. Cwts. qrs. lbs.		Fathoms. Ins.	
90 4 1/2		68.8		Tons. Cwts. qrs. lbs.		Tons. Cwts. qrs. lbs.		Fathoms. Ins.	
Boats 2 Lifeboats 38'0" x 8'4 1/2 x 3'5" 1 Cutter 18'0" x 5'5 1/2 x 3'4" Steering Gear, Steam, Suowara, Osaka Steering Gear, Hand, Osaka, Osaka.									
Pumps, Number one down on 1 Hand to back Diameter of Barrel 5 1/2 x 3 1/2 State whether they are in efficient working order Yes									
Windlass is Matsushima Osaka Capstan									
Engine Room Skylights—How constructed? Plates & Angles What arrangements for deadlights in bad weather? Covers in Steel Frames									
Coal Bunker Openings—How constructed? Plates & Angles How are lids secured? Wood Covers Height above deck? 24" x 9"									
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 4 each Well 2'58" x 1'75" x 8" Scuppers 5" x 4" 0									
Ceiling in Holds, thickness and material 2 1/2" O.P. under Hatchways Cargo Battens, thickness and material 6 x 2 1/2" O.P.									
Cargo Hatchways—How formed? Plates & Angles Hatches, If strong and efficient? Yes									
State size No. 1 Hatch (Forward) 24'0" x 18'0" No. 2 Hatch 28'0" x 18'0" No. 3 Hatch 24'0" x 18'0" No. 4 Hatch 22'0" x 18'0"									
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch No. 1, 3, 4 Hatches 4 Web Plates 7'0" x 18'0"									
No. of Breasthooks Four No. of Crutches deep floors									
Bulwarks, height above deck and description 3'3" Plate & Angles Main Rail and Stays, material and size 6 x 3 1/2 x 40 B.A.									
The foregoing is a correct description of the vessel and its equipment. Surveyor's Signature S. Luchlan & Co.									
Builder's Signature (here only)									
Correspondence. —State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)									
Workmanship. Are the butts of plating planed or otherwise fitted? planed.									
Is the riveted work properly closed? Yes.									
Are the liners between the frames and plates solid single pieces? Yes.									
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? a few.									
Are the butts of Plating, Stringers, &c., properly shifted and staggered? 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 has been found good.									
Photo Prints of Midship section, Profile and deck Plan are forwarded under separate cover.									
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.									
The amount of Entry Fee Yen : 80- Fees applied for, July 15th 1921									
Special Survey Fee £ 4235.25 Received by me,									
Travelling Expenses, if any : 15.50 Oct. 28th 1921									
State whether the Vessel has been built under Special Survey Special Survey.									
I am of opinion this Vessel should be Classed 100A-									
With, or without Freeboard, as condition of Class with Freeboard.									
Committee's Minute FRI. SEP. 29 1922									
Character assigned 100A-									
Sheer d.R. with fwd.									
S. Luchlan & Co.									
Lloyd's Register									

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ☒ ft., Bridge 34'-0" ft., Forecastle 38'-0" ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *no.*

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 it should appear in the Register Book) *2 steel decks 2 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. Feet.	Water Capacity. Tons.	Where Fitted.
Double bottom, aft,	100'-0"	219.86	Fore peak tank,
Double bottom, under Engines and Boilers, <i>P.S.</i>	44'-0"	71.61	After peak tank,
Double bottom, if under Engines only,			Deep tank, aft,
Double bottom, if under Boilers only,	152'-0"	436.70	Deep tank, forward,
Double bottom, forward,			Other tanks, if fitted,
	Total capacity of double bottom	799.78	(If necessary, furnish further information by sketch.)
			State whether the above have been tested as required by the Rules. <i>Yes.</i>

Order for Special Survey No. _____
Date _____
No. *16* in builder's yard.

DATES OF SURVEYS held while building
*1920. Feb 2. March 15. April 7. 18. May 10. 12. 20. 24. June 18. 21. July 16
Aug. 6. 13. Oct 7. 14. 28. Nov 18. Dec. 2. 15. 1921. Jan. 13. 28. Mar. 7. 15. April 7.
May 10. 18. 23. June 9. 27. 23. 27. July 6. 8.*

Surveyor's Signature *S. J. ...*

Total No. of Visits *34.*