

**Awning or Shelter Deck,
or Pt. Awning Deck.**

STEEL STEAMER.

No. 5051

Port of **Kobe** Date of completion of Report **7. Nov. 1925** Received at London Office **22 DEC 1925**
Survey held at **Osaka** Date, First Survey **23rd June 1924** Last Survey **30th Oct. 1925**
On the **State of Single or Twin Mast** Rig **Two - Twin Lattice Masts**

TONNAGE under **2676.6**
Tonnage Deck **596.88**
Do. between Tonnage Dk. and 3rd, 4th or Awning Dk. **3676.64**
Total under Upper Dk. **51.41**
Do. of Poop **324.12**
Do. of R. Qr. Dk. **60.44**
Do. of Bridge House **115.99**
Do. of Forecastle **44.92**
Do. of Houses on Deck **4273.52**
Do. of excess of Hatchways **152.27**
Do. above Crown of Engine Room **1367.53**
Gross Tonnage **56.75**
Less Crew Space **38.17**
Less above Crown of Engine Room **2658.80**
TONNAGE FOR FEES...
Less Engine Room **1367.53**
Less Navigation Spaces **56.75**
" Ball Tanks **38.17**
Register Tonnage **2658.80**
as cut on Beam...

CLASS **100 A.1.**
Breadth (greatest moulded) **49.83**
Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck **28.17**
Deduct height of 'tween deck when this does not exceed 8ft. **8.00**
Transverse Number **70.00**
Length on deck from fore part of stem to after part of sternpost **345.00**
Longitudinal Number **24150.00**
Depth "d" at middle of length. See Secs. 2 & 13 **15.17**
Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel **12.25**
" " " Upper Deck at side to top of keel **18.00**
Destined Voyage

Master
Year of Appointment
Built at **OSAKA (SAKURAJIMA YARD)**
When built **1925** Launched **5th June 1925**
By whom built **OSAKA IRON WORKS LTD**
Owners **OSAKA IRON WORKS LTD**
Managers
Residence
Port belonging to **TAKASAGO (HIOGO KEN)**
If Surveyed while Building, Afloat, or in Dry Dock **BUILDING**

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL—Top of Floors to top of Awn. or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid
345	0		49	10		28	17		2
Do. Upper Deck Beams									
25 16									
No. of Tiers of Beams									
12									
Dimensions of Ship per Register, Length 345.0 breadth 49.83 depth 19.17									
Awn. or Shelter Dk. Moulded depth, ft. 28 ins. 2 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12 ins.									
Upper Deck. Moulded depth, ft. 19 ins. 2 To Upper Dk.									

FRAMING.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
Angles, or C or L Bars, amidships							
peaks	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
way of Double Bottoms at Solid Floors							
" " at intermdt. Bkts.							
of Frames from centre to centre amidships							
length to collision bulkhead							
of Frames from centre to centre in peaks							
SED FRAME, Angles	3	3	36	3	3	36	
way of Double bottoms at Solid Floors							
" " at intermdt. Bkts.							
NG, depth of girder							
S, depth and thickness of Floor Plate							
at mid-line for 1/2 length amidships							
in way of Engine and Boiler spaces							
thickness at the ends of vessel							
depth at 1/2 the half-bdth. as per Rule							
height extended at the Bilges							
IS, in Cell Double Bottoms	40	70	34	65	50	40	34
state if flanged (top and bottom)	No		No			No	
spacing of Solid	5	6	10	3	5	5	6
IRDER, in Dbl. bottom, dpth. & thcknss	40	48	38	40	48	38	
" Angles, Top	3 1/2	3 1/2	46	3 1/2	3 1/2	46	
" " Bottom	4	4	53	4	4	53	
" " to Floors	5	5	44	5	5	44	
Brackets at intermdt. frmg., wdth & thcknss							
GIRDERS, number and thickness	ONE	36	70	34	65	46	36
state if flanged (top & bottom)	No		No			No	
Angles	3 1/2	3 1/2	36	65	46	3 1/2	36
IN PLATE, depth (exclusive of flange)	FLUSH TANK TOP	Do	Do	Do	Do	Do	
and thickness	3 1/2	3 1/2	42	3 1/2	3 1/2	42	
Angles to outside plating	6	3 1/2	44	6	3 1/2	44	
" to floors	36	40	70	34	36	40	
Brackets at intermdt. frmg., wdth & thcknss							
Height of Brackets above at bilge							
BOTTOM PLATING, breadth and thickness of Middle Line Strake	40	46	70	38	40	46	
" thickness in Engine and Boiler space	ER	46	RR	54	ER	46	
" " Remainder in Holds	38	70	34	38	70	34	

PILLARS.

PILLARS, In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
" " Hold						
" " Quarter, 'tween Dks., "						
" " in Hold						
AS APPROVED						
KEELSONS AND STRINGERS.						
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" Rider Plate						
" Flat Keel Plate Angles						
" Horizontal Plates on Floors						
" Angles or Bulb Angles						
SIDE KEELSONS, Number						
" Angles or Bulb Angles						
" Plate above floors, for length						
" Intercoastal Plate, for length						
" Attached to outside plating with Angle						
BILGE KEELSON, Angles						
" Intercoastal Plate, for length						
" Attached to outside plating with Angle						
SIDE STRINGERS, Number						
" Angle						
" Intercoastal Plate, for lng.						
" Attached to outside plating with Angle						

Awning or Shelter Deck Stringer Plates, breadth and thickness	52x56x32x40	52x56x32x40
" Angle on ditto	4 1/2 x 4 1/2 x 60	4 1/2 x 4 1/2 x 60
" Tie Plates, fore and aft, outside Hatchways	3 1/2 x 3 1/2 x 40	3 1/2 x 3 1/2 x 40
" Deck, * Iron or Steel, for FULL lng.	50	50
" Wood Deck, Material & thickness	NONE	NONE
Upper Deck Stringer Plate, breadth and thickness	60x34	60x34
" Angles on ditto, No. ONE	3 1/2 x 3 1/2 x 40	3 1/2 x 3 1/2 x 40
" Tie Plates, outside Hatchways		
" Deck, * Iron or Steel, for FULL lng.	34	34
" Wood Deck, Material & thickness	NONE	NONE
Second Deck Stringer Plates, br'dth & thckn's		
" Angles on ditto, No.		
" Tie Plates, outside Hatchways		
" Deck, * Material and thickness		
Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness		
" Angles on ditto, No.		
" Tie Plates, outside Hatchways		
" Deck, Material and thickness		
Poop Deck Stringer Plate, breadth & thickness	56x30	56x30
" Angles on ditto	3x3x32	3x3x32
" Tie Plates		
" Deck, Material and thickness	STEEL	STEEL
Bridge Deck Stringer Plate, br'dth & thickness	46x50	46x50
" Angle on ditto	4 1/2 x 4 1/2 x 54	4 1/2 x 4 1/2 x 54
" Tie Plates		
" Deck, Material and thickness	STEEL	STEEL
Forecastle Deck Stringer Plate, br'dth & th'kns	32x32	32x32
" Angle on ditto	3x3x32	3x3x32
" Tie Plates	2 1/2 x 2 1/2 x 36	2 1/2 x 2 1/2 x 36
" Deck, Material and thickness	STEEL	STEEL

[illegible]

EQUIPMENT No. 27,532										LETTER W				ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.						
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.									
87425	1st Bower ..	52	2	25	STOCKLESS			44	1	14	52	2	0	HALL'S C.S. HEAD	N. HINGLEY & SONS	NETHERTON 12-3-25 H.G.							
86055	2nd ,, ..	48	3	14				41	13	1	21			"	"	"	"	8-12-22 "					
86914	3rd ,, ..	48	3	5				41	13	1	21	44	3	0	"	"	"	"	5-6-24 "				
	Collective weight	150	1	16							149	2	0										
87121	Stream	14	0	12	3	2	26	15	4	2	21	14	0	0	RODGERS' FORG. W.I.	N. HINGLEY & SONS	NETHERTON 11-9-24 L.L.W.						
	Kedge																						

if Patent state Name of Patentee

Stockless, state Mechanical Tests.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	29 cwt.	1 qr	16 lb.	D.D.W.	87425	24-2-25
	2nd "	27 "	1 "	21 "	N.A.D.	86055	30-12-20
	3rd "	27 "	2 "	2 "	M.R.	86914	6-14-3-24.

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Fathoms and size per Table 31.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			Fathoms.	Ins.		Fathoms.	Ins.		
888	271-5	2 1/2	76-5	107-1	613-3-5	573-3-0	270	2 1/2	STUD LINK	OSAKA CH. WKS	OSAKA 1-9-19 Y.Jo	TOWLINE	120	5 1/2	95-6	120	4 1/2		
												HAWSERS & WARPS	2690	7	MANILA	2690	7		
Iron Stream Chain or Steel Wire...	90	5 1/2		97-78			90	4 1/2	SPEC. FLEX. U.S. S & W. CO			" "	2690	7	"	2690	7		

Boats 2 LIFE BOATS 1 GIG & 1 TEMMA. Steering Gear, Steam BUILDERS, Good. Steering Gear, Hand BUILDERS, Good.

Pumps, Number 2 - (1 IN FORE PEAK & 1 IN AFT. PEAK STORE). Diameter of Barrel 3" DIA. State whether they are in efficient working order YES

Windlass is 10x12" STEAM DRIVEN (BUILDERS MAKE) Capstan

Engine Room Skylights.—How constructed? PLATES & ANGLES What arrangements for deadlights in bad weather? GLASS IN STEEL FRAMES

Coal Bunker Openings.—How constructed? DO DO How are lids secured? Height above deck? 30" ON BR. DK.

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 SCUPPERS EACH SIDE & 8 FREEING PORTS 31 1/2 x 18" IN WELLS FOR

Ceiling in Holds, thickness and material 2 1/2" O.P. UNDER HATCHWAYS Cargo Battens, thickness and material 6 x 2" O.P. PINE (VERTICAL)

Cargo Hatchways.—How formed? 44 COAMING PLATES, 36 ABOVE DECK, WITH 7 x 3 1/2 x 40" B.A. STIFF. Hatches, If strong and efficient? YES

State size No. 1 Hatch (Forward) 22'-0" x 20'-0" No. 2 Hatch 28'-0" x 20'-0" No. 3 Hatch 15'-0" x 18'-0" No. 4 Hatch 10'-0" x 10'-0" No. 5 Hatch AFT 22'-0" x 20'-0"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch N° 1, 5 & 6 HATCHES—4 OFF. N° 2 HATCH, 5 OFF. N° 3 HATCH, 2 OFF. N° 4 HATCH, 1 OFF.

No. of Breasthooks 12 No. of Crutches DEEP FLOORS.

Bulwarks, height above deck and description 4'-0" x 26 PLATE Main Rail and Stays, material and size 5/16" 6 x 3 x 40" B.A.

The foregoing is a correct description of the vessel.

Builder's Signature *Kawamura* Surveyor's Signature *N.D. Buchanan*
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)

Workmanship. Are the plates and frames properly fitted? PLATED

Is the riveted work properly closed? YES

Are the liners between the frames and plates solid single pieces? JOGGLED FRAMES 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 faying surfaces? YES Do any rivets break into or through the seams or butts of the plating? VERY FEW

Are the butts of Plating, Stringers, &c., properly shifted and strapped? 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 1921-22 Rules and the approved plans. The materials have been tested and the workmanship throughout is good. All hold & peak bulkheads extend to shelter deck. Bulkheads, shell plating, weather decks, poop & bridge fronts were hose tested & found good & tight.

Plans:—Midship section & profile plan of ship as built forwarded herewith.

Sister Vessels:—REPT. N° 4187. "KWAYO MARU"
" " 3100 "EIKOKU MARU"

None other only the vessel are later plans for the vessel.

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.

Freeboard 150
The amount of Entry Fee £150 94 00
Special Survey Fee £ " 5086 00
Travelling Expenses, if any £ " 148 00

Fees applied for, 14th Nov. 1925
Received by me, 12.19.25

Certificate to be sent to KOBE Date of issue 5/2/26.

State whether the Vessel has been built under Special Survey YES

I am of opinion this Vessel should be Classed + 100 A.I. SHELTER DECK

With, or without Freeboard, as condition of Class WITH FREEBOARD.

N.D. Buchanan
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 5 FEB 1926

Character assigned + 100 A.I. Shelter Deck with freeboard

Lloyd's A.C.P. + sub. 11.25 22. C.L. 2021

2 Turbo Electric Motors S.R. Geared to 1 Screw Shaft

Grly

Lloyd's Register Foundation

021423

GENERAL REMARKS—(continued).

Copies of forging & casting certificates forwarded herewith
 Cut No 2100 & 2101 Stem bars.
 " " 356 Stern frame
 " " 435 Rudder arms
 " " 621 Tiller & Quadrant.
 " " 672 Rudder tiller
 " " 571 " Stock
 " " 572 " main Piece

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30.25 ft., R.Q.D. ✓ ft., Bridge 99.25 ft., Forecastle 38.0 ft.
 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated NOT JOINED.

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) 1 DECK (STEEL) & SHELTER DECK (STEEL)

Official No. 31031; Signal Letters G.W.R.N. State if Machinery is fitted aft

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.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	104.5	356.56	Fore peak tank,	19.0	111.51
Double bottom, under Engines and Boilers,	42.75	204.94	After peak tank,	10.0	28.59
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	133.17	523.35	Other tanks, if fitted,		
Total capacity of double bottom		1084.85	(If necessary, furnish further information by sketch.)		

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

State whether the above have been tested as required by the Rules. YES

Order for Special Survey No. 3

Date 7/7/24.

No. 1056 in builder's yard.

DATES of Surveys held while building

1924 June 23 July 5-24, Aug 9, 26, Sept 17, 25, Nov 3, 11, 18, Dec 8, 16, 29.
 1925 Jan. 14, 22, 27, Feb. 2, 3, 14, 18, 25, March 3, 9, 25, April 10, 16, 29, May 5, 12, 15, 18, 20, 25, 30.
 June 4th, 13, 26 July 7, 10, 17, Aug. 12, 17, Sept 9, 11, 18, 24, Oct. 1, 6, 10, 13, 19, 23, 24, 29, 30.

Total No. of Visits 55

Surveyor's Signature

H.D. Buchanan

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SS. ITIYO MARU "RPT N° 5051.

1*.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.						
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spang.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.				
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter. Inches.			
Framing from Deck ^{Upper Deck} to Margin Plate.	No. 1	7	3½	36	✓			7	3½	36	✓			7/8	5¼	✓	5	7/8		
	" 2	7	3½	36	✓			7	3½	36	✓			7/8	5" 5¼"	✓	5	7/8		
	" 3	"	"	"	✓	7	3½	36	✓	"	"	"	"	"	"	✓	5	"		
	" 4	7½	3½	40	✓	7½	"	"	7½	3½	40	✓	7½	3½	36	"	✓	6	7/8	
	" 5	8	"	40	✓	"	"	40	8	"	"	✓	"	40	"	✓	6	"		
	" 6	8½	"	42	✓	8	"	42	8½	"	42	✓	8	3½	42	"	✓	7	"	
	" 7	9	"	"	✓	8½	"	"	9	"	"	✓	8½	"	"	"	✓	7	"	
	" 8	9½	"	"	✓	9	"	"	9½	"	"	✓	9	"	"	4 3/8	3½" FOR 10 RIVETS.	8	"	
	" 9	9½	"	46	✓	9½	"	"	"	"	46	✓	9½	"	"	"	"	8	"	
	" 10																			
	" 11																			
	" 12																			
	" 13																			
	" 14																			
	" 15																			
	" 16																			
Spacing of longitudinal frames		30"			24"			30"			24"									
Tank Top Longitudinals	Bottom	7	3	38	✓	7	3	38	✓	7	3	38	✓	6½	3	38	✓	7/8	5¼	4 3/8" FOR 4 RIVETS
	"	7½	3½	38	✓	7½	3½	38	✓	7½	3½	38	✓	7	3½	38	✓	7/8	5¼	3½" FOR 4 RIVETS
Spacing of Longitudinals		30"			21"			30"			21"									
Bridge Deck	Depth and Thickness	15	x	38	✓			15	x	38	✓									
	Face Angles	4	3½	44	✓			4	3½	44	✓									
	Lugs to Shell*	3½	3½	38	✓			3½	3½	38	✓			7/8	4 3/8	✓	LOGGLED			
	Depth and Thickness	16	x	40	✓	16	x	40	✓	16	x	40	✓	16	x	40	✓			
	Face Angles	8	3½	46	✓	8	3½	46	✓	8	3½	46	✓	8	3½	46	✓			
	Lugs to Shell*	3½	3½	40	✓	3½	3½	40	✓	3½	3½	40	✓	3½	3½	40	✓	7/8	4 3/8	LOGGLED
	Depth and Thickness	19	x	48	✓	27	x	48	✓	19	x	48	✓	27	x	48	✓			
	Face Angles	8	3½	68	✓	8	3½	68	✓	8	3½	68	✓	8	3½	68	✓			
	Lugs to Shell*	6	6	46	✓	6	6	46	✓	6	6	46	✓	6	6	46	✓	7/8	4 3/8	LOGGLED
	Brackets	11'-0"				12'-0"				11'-0"				12'-0"						
Spacing of Transverse Frames		SWELL LUGS			LOGGLED			SWELL LUGS			LOGGLED									
Longitudinal Beams of	Bridge Deck	6	3½	36	✓	6	3	32	✓	6	3	36	✓	6	3	32	✓	36		
	Upper	6	3	38	✓	6	3	34	✓	6	3	38	✓	6	3	34	✓	40-34		
	Second	7½	3	38	✓	7½	3	38	✓	7½	3	38	✓	7	3	38	✓	45-40		
	Third																			
Transverse Beams		11x38			8x3½x34			11x38			8x3½x34			11x38						
Transverse Beams		13x38			8x3½x38			13x38			8x3½x38			13x38						
Transverse Beams		13½x45			8x3½x38			13½x45			8x3½x38			13½x45						
Transverse Beams		2 BARK BAR			2 BARK BAR			2 BARK BAR			2 BARK BAR			2 BARK BAR						
Transverse Beams		4x3½x30			4x3½x30			4x3½x30			4x3½x30			4x3½x30						

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

230.—T.

compartment to another **YES** Is the Screw Shaft Tunnel watertight **YES** Is it fitted with a watertight door **YES** worked from **YES**