

Awning or Shelter Deck, STEEL STEAMER.

or Pt. Awning Deck

No. 2484

Port of **YOKOHAMA** Date of completion of Report **26th MAY 1919** Received at London Office **WED. 9-JUL. 1919**
 Survey held at **TSURUMI** Date, First Survey **20th DEC. 1918** Last Survey **20th MAY 1919**

On the (State if Single, Twin, or Triple Screw) **TWIN SCREW STEAMER "KAIKYU MARU"** Rig **SCHOONER.**

TONNAGE under Tonnage Deck... **5967.55** CLASS **+100 RI. SHELTER DK.** FEET. **58'-0"** Master **OTOJIRO KUSANO**
 Do. between Tonnage Dk. and ... **5176.55** Breadth (greatest moulded) **40'-0"** Year of Appointment **1919**
 Total under Upper Dk. **7732.10** Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck **32'-0"** Built at **TSURUMI**
 Do. of Poop **320.17** Deduct height of 'tween deck when this does not exceed 8ft. **90.00** When built **5-19** Launched **15-4-19**
 Do. of R. Qr. Dk. **19.00** Transverse Number **445** By whom built **ASANO S. B. CO. LTD**
 Do. of Bridge House **63.01** Length on deck from fore part of stem to after part of sternpost **400.50** Owners **KATSUTA STEAMSHIP CO.**
 Do. of Forecastle **8134.28** Longitudinal Number **183-10-175** Managers
 Do. of Houses on Deck **330.63** Depth "d" at middle of length. See Secs. 2 & 13... **11.13** (Where necessary to be entered in Reg. Book.)
 Do. of excess of Hatchways **2602.97** Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel **13.91** Residence **KOBE.**
 Do. above Crown of Engine Room ... **123.70** " " " Upper Deck at side to top of keel
 Gross Tonnage **31.24** Destined Voyage **MITSUGAHAMA.**
 Less Crew Space **5045.74** If Surveyed while Building, Afloat, or in Dry Dock **BUILDING**
 Less above Crown of Engine Room
 Tonnage for Fees...
 Less Engine Room
 Less Navigation Spaces
 BALLAST TANK
 Register Tonnage as cut on Beam...

ENGTH on as per Rule **445** BREADTH Moulded **58** DEPTH, ACTUAL—Top of Floors to top of Shelter Dk. Beams **37-4** No. of Decks with flat laid **3**
 Length **445** breadth **58** depth **32** Upper Deck. Moulded depth, ft. **40** ins. **0** To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual ... **14 1/2** ins.

FRAMING.				PILLARS.			
ME, Angles, or [or L Bars, amidships ...	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS, In 'tween Deck, size and spacing	Inches in Ship.	Inches in Ship.	Inches in Ship.
in peaks ...	SEE BACK OF REPORT.			" " Hold			
in way of Double Bottoms at Solid Floors ...	4 1/2 x 4 1/2 to 4 1/2	D:		" " Quarter, 'tween Dks., "	SEE BACK OF REPORT.		
" " at intermdt. Bkts.	9 x 3 1/2 to 4 1/2	B.A.	D:	" " in Hold			
ing of Frames from centre to centre amidships	36"			KEELSONS AND STRINGERS.			
length to collision bulkhead ...	27"			CENTRE LINE KEELSON, Vertical Plate above			
of Frames from centre to centre in peaks...	24"			floors, Through Plate, or Intercoastal Plate			
VERSED FRAME, Angles...	NO SIDE REV. FRAMES.			Rider Plate			
o. in way of Double bottoms at Solid Floors...	3 1/2 x 4 1/2 to 4 1/2	54 B.S.	D:	" Flat Keel Plate Angles			
" " at intermdt. Bkts.	8 x 3 1/2 to 4	BA-50 BS	D:	" Horizontal Plates on Floors			
MING, depth of girder	12"		D:	" Angles or Bulb Angles			
ORS, depth and thickness of Floor Plate				SIDE KEELSONS, Number			
at mid-line for 1/2 length amidships ...				" Angles or Bulb Angles			
in way of Engine and Boiler spaces...				" Plate above floors, for	length		
thickness at the ends of vessel				" Intercoastal Plate, for	length		
depth at 1/2 the half-bdth. as per Rule				" Attached to outside plating with Angle...			
height extended at the Bilges				BILGE KEELSON, Angles			
ORS, in Cell Double Bottoms	42 to 38	52 BS	D:	" Intercoastal Plate, for	length		
state if flanged (top and bottom)	FLANGED ON TOP			" Attached to outside plating with Angle			
spacing of Solid	ALT. FRG. EXCEPT R.			SIDE STRINGERS, Number			
NTRE GIRDER, in Dbl. bottom, dpth. & thknss	46 x 56 to 46	62 BS		" " Angle			
" " Angles, Top	SINGLE 5 x 5 to 56	64 BS		" " Intercoastal Plate, for	length		
" " Bottom	DOUBLE 3 1/2 x 3 1/2 to 50	62 BS		" Attached to outside plating with Angle			
" " to Floors	SINGLE 6 x 6 to 54 BS	3 1/2 x 4 1/2	D:	Shelter Deck Stringer Plates, breadth and thickness			
Brackets at intermdt. frmg., wdth & thknss	39 x 46 to 42	52 BS	D:	" " Angle on ditto			
DE GIRDERS, number and thickness	TWO EACH SIDE		D:	" Tie Plates, fore and aft, outside Hatchways	INCREASED 0.4	D:	
state if flanged (top & bottom)	FLANGED ON TOP			" Deck. * Steel, for FULL lng.	48 to 36	D:	
Angles	BOTTOM	3 1/2 x 3 1/2 to 44 to 42	D:	" Wood Deck. Material & thickness	O.P. 3 OVER CREW SPACE	D:	
ARGIN PLATE, depth (exclusive of flange)	38 x 54 to 5	58 BS	D:	Upper Deck Stringer Plate, breadth and thickness	2 1/2 INSIDE HATCHES	D:	
and thickness	4 x 4 x 5		D:	" Angles on ditto, No. TWO	3 1/2 x 3 1/2 to 48 to 44	D:	
Angles to outside plating	3 1/2 x 3 1/2 to 44 to 42	D:		" Tie Plates, outside Hatchways	INCREASED 0.4	D:	
to floors	48 x 46 to 42	52 BS	D:	" Deck. * Steel, for FULL lng.	42 to 32	D:	
Brackets at intermdt. frmg., wdth & thknss	42 to 38		D:	" Wood Deck. Material & thickness	NO WOOD DK.		
Height of Brackets above at bilge	42 to 38		D:	Second Deck Stringer Plates, br'dth & thkn's	56 x 44 to 37 x 44	D:	
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	46 x 54 to 44	64 BS	D:	" Angles on ditto, No. TWO	4 FLANGES 3 1/2 x 3 1/2 to 44	D:	
thickness in Engine and Boiler space	56 BS	64 BS	D:	" Tie Plates, outside Hatchways	40	D:	
Remainder in Holds	48 to 38		D:	" Deck. * Material and thickness	32 to 30	D:	
EAMS, Awning or Shltr Dk, Single Angle	9 x 3 1/2 to 42	BA	D:	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness			
Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 to 42	BA	D:	" Angles on ditto, No.			
Spacing	EVERY FRAME		D:	" Tie Plates, outside Hatchways			
EAMS, Upper Deck, Single Angle, Bulb Angle	8 x 3 1/2 to 42	BA	D:	" Deck. Material and thickness			
Plate, Tee Bulb or Channel	8 x 3 1/2 to 42	BA	D:	Poop Deck Stringer Plate, breadth & thickness			
Spacing	EVERY FRAME		D:	" Angles on ditto			
EAMS, Second, Third & Fourth Deck, Single	10 x 3 1/2 to 46	BA	D:	" Tie Plates			
Angle, Bulb Angle, Plate, Tee Bulb or Channel	10 x 3 1/2 to 46	BA	D:	" Deck. Material and thickness			
Angles on upper edge	7 x 3 1/2 to 42	BA	D:	Bridge Deck Stringer Plate, br'dth & thickness			
Spacing	EVERY FRAME		D:	" Angle on ditto			
EAMS, Poop Deck, Angle, Bulb Angle, Plate,				" Tie Plates			
Tee Bulb or Channel				" Deck. Material and thickness			
Angles on upper edge				Forecastle Deck Stringer Plate, br'dth & th'kns			
Spacing				" Angle on ditto			
EAMS, Forecastle Deck, Angle, Bulb Angle,				" Tie Plates			
Plate, Tee Bulb or Channel				" Deck. Material and thickness			
Angles on upper edge							
Spacing							

[illegible]

EQUIPMENT No. 43235 LETTER CT						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.			
95	1st Bower ..	78	1	21	STOCKLESS	57	17	2	0	77	0	0	OUSHIMA TYPE	OUSHIMA STEEL WKS	D ^s	OUSHIMA 6-11-18 U.S.C.	
93	2nd ..	77	3	12	D ^s	57	13	2	0	77	0	0	D ^s	D ^s	D ^s	D ^s 4-11-18 U.S.C.	
94	3rd ..	76	3	9	D ^s	57	5	0	0	75	0	0	D ^s	D ^s	D ^s	D ^s 6-11-18 U.S.C.	
	Collective weight	232	3	14						219	2	0					
74	Stream	23	2	16	✓	6	0	2	23	13	3	0	22	0	0	ORDINARY.	
77	Kedge	11	3	4	✓	3	1	0	13	15	0	0	10	0	0	D ^s	
Particulars of Drop Test of Cast Steel Anchors, viz.:—																	
		1st Bower	95.	78-1-21	U.S.C.	6-11-18											
		2nd ..	93.	77-3-12	U.S.C.	4-11-18											
		3rd ..	94.	76-3-9	U.S.C.	6-11-18											
CHAIN CABLES.																	
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.				
			Supplied.	Per Rule.	Length. Diam.												
N° 569	91' 2½"	106% 149# 2900-10	300	2½"	STUD LINK OSANA	OSAKA 3-2-19 Ydo.				TOWLINE	130	6¾"	93				
568	151½'	2% 106% 149# 470-0-22			"	CHAIN WKS	" 28-12-18 Ydo.			HAWERS & WARPS	2000	3¼"	307				
Iron (Stream)	120'	4½"	59								2000	2¾"	263				
Steel Wire...																	
Boats 2 LIFEBOATS. 1 CUTTER. 1 TEMPA Steering Gear, Steam EFFICIENT Steering Gear, Hand EFFICIENT.																	
Pumps, Number ONE DOWNTOWN PUMP		Diameter of Barrel 5½"		State whether they are inefficient working order YES													
Windlass is EFFICIENT		Capstan EFFICIENT.															
Engine Room Skylights.—How constructed? STEEL		What arrangements for deadlights in bad weather? BULL'S EYES & SHUTTERS.															
Coal Bunker Openings.—How constructed? STEEL		How are lids secured? WOOD COVERS. Height above deck? 24"															
Number of Scupper, and numbers and dimensions of Freeing Ports, &c. NONE.		OPEN RAIL															
Ceiling in Holds, thickness and material 2½" PINE UNDER HATCHES		Cargo Battens, thickness and material 2" PINE. ✓															
Cargo Hatchways.—How formed? STEEL CORRUGATED		Hatches, If strong and efficient? YES.															
State size No. 1 Hatch (Forward) 24'9" x 20' x 2'		No. 2 Hatch 30' x 20' x 2'		No. 3 Hatch 21' x 20' x 2'		No. 4 Hatch 15' x 20' x 2'											
Number of Web Plates, Clifting Beams and Fore and Afters to each Hatch N° 2 13.76. 4 EACH		N° 3 13.76. 4 EACH		N° 4 Hatch 30' x 20' x 2'		N° 5 Hatch 30' x 20' x 2'											
N° 2 2-5. SEACH. N° 4. 2.		No. of Breasthooks 3.		No. of Crutches DEEP FLOORS.													
Bulwarks, height above deck and description NONE.		Main Rail and Stays, material and size OPEN RAIL.															
The foregoing is a correct description.		Surveyor's Signature James Brighton															
Builder's Signature (here only) Arthur Tomiyama		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 butts of plating planed or otherwise fitted? PLANED WHERE PRACTICABLE.																	
Is the riveted work properly closed? YES.																	
Are the liners between the frames and plates solid single pieces? FRAMES JOGGLED 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? 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, and in accordance with the Society's Rules and approved plans. The material and workmanship are good.																	
Wireless Installation fitted.																	
The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with P.E. Report showing vessel as built.																	
The amount of Entry Fee £ 50 Fees applied for, 21-5 1919																	
Special Survey Fee..... £ 3430 Received by me, 28-5 1919																	
Travelling Expenses, if any £ : 20																	
Certificate to be sent to Date of issue 22.7.19																	
State whether the Vessel has been built under Special Survey Yes																	
I am of opinion this Vessel should be Classed +100 A.I. SHELTER DK.																	
With, or without Freeboard, as condition of Class WITH FREEBOARD.																	
Committee's Minute 21 JUL 18 1919																	
Character assigned Good																	
Phicker DK with pld. 22 July 19																	
C.A.B.P.																	
Lloyd's Register of Shipping																	

GENERAL REMARKS—(continued).

MAIN FRAME. 12*3½*3½*44 CHANNEL. TO SHELTER & UPPER DKS. ALTERNATELY. ✓
 INTERMEDIATE FRAME 7*3½*4 BULB ANGLE. SPACING 36" C.T. ✓
 FROM ⅔ LEN. FOR² TO COLLISION BULK² 10*3½*56 BULB ANG ✓
 TO SHELTER AND UPPER DKS. ALTERNATELY. INTERMEDIATE
 FRAME 7*3½*44 ANGLE. SPACING 27" C. TO C. ✓

FRAME IN TUNNEL RECESS 7*3½*5 DOUBLE ANGLES. FRAME ABOVE
 TUNNEL RECESS 10*3½*3½*42 CHANNEL TO SHELTER & UPPER DKS. ALT ✓
 INTERMEDIATE FRAME 7*3½*4 BULB ANGLE. 36" CEN. TO CEN. ✓

AFT PEAK FRAME 6½*3½*4 ANGLE WITH REV. FRAME 3*3½*4 ANGLE ✓
 FORMING T GIRDER. REV. FRG. EXTEND TO UPPER & SHELTER DKS. ALT ✓
 FORE PEAK MAIN FRAME 7½*3½*46 B.A. TO SHELTER & UPPER DKS. ALT ✓
 INTERMEDIATE FRAME 6½*3½*4 ANGLE. 24" SPACING ✓
 BOSS FRAMES 6½*3½*4 DOUBLE ANGLES. ✓

PILLARS. SHELTER DK. TUBULAR. 6*4. 6½*4. 7*4. 7½*4. 8*4. ✓
 UPPER DK. TUBULAR. 9*44. 10*44. 11*5. 12*54. 13*54. ✓
 SECOND DK. TUBULAR. 13*6. 15*6. 16*6. 17*6. 18*7 ✓
 TUNNEL RECESS TOP TUBULAR. 6*4. ✓
 PILLARS SPACED AS PER. APPROVED PLANS.

DESCRIPTION	MARK	MATERIAL	WHERE MADE	WHERE TESTED	DATE	SURVEYOR
SPECTACLE FRAME	A.B.7.	CAST STEEL	OSHIMA STEEL WKS.	OSHIMA	24-9-18	J.S.C.
RUDDER HEAD	A.R.4.	FORGING (STEEL)	D°	D°	D°	J.S.C.
" MAIN PIECE	A.R.7.	FORGED STEEL	D°	D°	11-10-18	J.S.C.
STERN POST.	A.F.2.	CAST STEEL.	D°	D°	6-8-18	J.S.C.
UPPER STEM	A.S.21.	FORGED STEEL	D°	D°	20-8-18	J.S.C.
LOWER STEM	A.S.22	D°	D°	D°	5-9-18	J.S.C.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle .
 (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) **3 DKS. STL. 3 TIERS OF BEAMS. SHELTER DK. PARTIALLY COVERED WITH**
 Official No. **24965** ; Signal Letters **R.L.M.N.** State if Machinery is fitted aft **AMIDSHIPS.**
 How are the surfaces preserved from oxidation? Inside **CEMENT. BUNKERS BITUMASTIC.** Outside **PAINT.** ✓

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

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	141	422	Fore peak tank,	22	84
Double bottom, under Engines and Boilers,	63	279	After peak tank,	16	34
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	185.3	667	Other tanks, if fitted,		
	Total capacity of double bottom	1368	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. **1918. DEC. 20 + 24. 1919. JAN. 10. 17. 23. 31. FEB. 3. 7. 13. 19. 22. 25. 2**
 Date **16-4-17.** **MARCH. 3. 6. 12. 18. 21. 25. 26. 31.**
APRIL. 2. 7. 8. 11. 16. 23.
MAY. 2. 6. 9. 14. 20
 No. **16** in builder's yard.

Surveyor's Signature

James Brickton

Total No. of Visits **32**

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