

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office

THU. 1 MAY. 1924

State if Report is also sent on the Machinery of the Vessel *Yes*

Date of completion of report
Survey held at

12th April 1924
Osaka

Port of *Kobe*

Date, First Survey *6th August 1923* Last Survey *19th March 1924*

On the (State if Single, Twin, or Triple Screw)

Single Screw Steamer *"KOAN MARU"* Rig *2 masts*

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

CLASS *F/100 A1*

FEET.

Breadth (greatest moulded)

Depth, at middle of length from top of keel to top of upper deck beams at side

Transverse Number

Length on deck from fore part of stem to after part of stern post

Longitudinal Number

Depth "d" at middle of length (See Secs. 2 & 13)

Proportions—Depths to Length—Upper Deck Beam at side to top of keel

Long Bridge Deck Beam at side to top of keel

Destined Voyage

Built at *Osaka*

When built *1924* Launched *18th Feb. 1924*

By whom built *Osaka Iron Works*

Owners *Hiroumi Shoji Kabushiki Kaisha*

Managers (Where necessary to be entered in Reg. Book.)

Residence *Osaka*

Port belonging to *Kobe*

If Surveyed while Building, Afloat, or in Dry Dock *Building*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
<i>305</i>	<i>0</i>		<i>43</i>	<i>9</i>		<i>24</i>	<i>11</i>	<i>3</i>	<i>2</i>	<i>2</i>

Dimensions of Ship per Register, Length *305.0* breadth *43.9* depth *24.95* Moulded depth, ft. *24* ins. *3* To Bridge Dk. Round of Upper Dk. Beam, Actual *10 3/4* ins.

FRAMING.				PILLARS.			
FRAME, Angles, or [or] 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.
Do. in peaks	<i>7 3 1/2</i>	<i>40</i>	<i>6 1/2</i>	" " Hold	<i>10 3/4 x 3 1/2</i>	<i>10 3/4 x 3 1/2</i>	<i>10 3/4 x 3 1/2</i>
Do. in way of Double Bottoms at Solid Floors	<i>in after peak only</i>						
" " at intermdt. Bkts.				" " Quarter 'tween Dks.	<i>8 3/4 x 3 1/2</i>	<i>8 3/4 x 3 1/2</i>	<i>8 3/4 x 3 1/2</i>
Spacing of Frames from centre to centre amidships				" " in Hold	<i>11 3/4 x 3 1/2</i>	<i>11 3/4 x 3 1/2</i>	<i>11 3/4 x 3 1/2</i>
" " from 1/2 length to Collision bulkhead							
" " in peaks							
REVERSED FRAME, Angles	<i>See long. framing</i>						
Do. in way of Double Bottoms at Solid Floors							
" " at intermdt. Bkts.							
FRAMING, depth of girder							
FLOORS, 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 breadth, as per Rule							
" height extended at the Bilges							
FLOORS in Cell. Double Bottoms	<i>34</i>	<i>8.5</i>	<i>44</i>				
" state if flanged (top & bottom)	<i>No</i>		<i>No</i>				
" Spacing of Solid floors	<i>6'-0" x 4'-0"</i>	<i>6'-0" x 4'-0"</i>	<i>6'-0" x 4'-0"</i>				
CENTRE GIRDER, in Dbl. bottom, dpth & thkness	<i>38 x 48</i>	<i>38</i>	<i>38 x 48</i>				
" " Angles, Top	<i>3 1/2</i>	<i>3 1/2</i>	<i>44</i>				
" " Bottom	<i>4</i>	<i>4</i>	<i>56</i>				
" " to Floors	<i>5</i>	<i>5</i>	<i>48</i>				
" Brackets at intermdt. frmg., wdth & thkness							
SIDE GIRDERS, number on each side & thickness	<i>1</i>	<i>34</i>	<i>1</i>				
" state if flanged (top and bottom)	<i>No</i>		<i>No</i>				
" Angles (top and bottom)	<i>3 1/2</i>	<i>3 1/2</i>	<i>36</i>				
" to Floors	<i>3</i>	<i>3</i>	<i>34</i>				
MARGIN PLATE, depth (exclusive of flange) and thickness	<i>30 x 40</i>	<i>30</i>	<i>40</i>				
" Angle to Outside Plating	<i>3 1/2</i>	<i>3 1/2</i>	<i>40</i>				
" Floors	<i>5</i>	<i>3 1/2</i>	<i>40</i>				
" Brackets at intermdt. frmg., wdth & thkness							
" Height of Outside Brackets above at bilge	<i>Flank to Flank top</i>						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	<i>38</i>	<i>44</i>	<i>36</i>				
" " in Engine and Boiler space	<i>44</i>	<i>35</i>	<i>52</i>				
" " Remainder in Holds	<i>36</i>	<i>32</i>	<i>36</i>				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>6</i>	<i>3</i>	<i>40</i>				
" In way of Long Bridge	<i>in after peak only</i>						
" Spacing	<i>24 1/2</i>		<i>24 1/2</i>				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>6</i>	<i>3 1/2</i>	<i>5 1/2</i>				
" Spacing	<i>in after peak only</i>						
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" Angles on upper edge							
" Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>8 1/2</i>	<i>3</i>	<i>50</i>				
" Angles on upper edge	<i>with one row of pillars</i>						
" Spacing	<i>48 1/2</i>		<i>24 1/2</i>				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" Angles on upper edge							
" Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" Angles on upper edge							
" Spacing							

WEB FRAMES. In Fore Body, No. and spacing. No. of Side Stringers. WEB FRAMES, In E. & B. Space, No. & spacing. WEB FRAMES, In After Body, No. and spacing. BRACKET PLATES to Stringers between Web Frames, depth and thickness.

BULKHEADS. Total No. of W.T. BULKHEADS. In Ship 5 Per Rule 5. SCANTLING MIDSHIP BHDS. COLLISION. AFT PEAK. PARTITION. LONGITUDINAL.

FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D* Table 22. Speed 10 knots. Main-Piece, diameter at head. Thickness of Plates or Single Plate. Can the Rudder be unshipped afloat? 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. Has the Steel been tested as required by the Rules?

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS.

Upper Deck. Butts of Side Stringers. Inner Bottom Plating, riveting of Edges. Centre Girder Butts. Frames, riveted through Plates with. Rivets, state whether Iron or Steel.

FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from.

MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remainder of Spars. Riggers, Material and Size, Shrouds for each mast. Sails.

EQUIPMENT No. 22639. LETTER. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS.

Particulars of Drop Test of Cast Steel Anchors, viz.: Weight, Surveyor's Initials, Number of Certificate, Date of Test.

CHAIN CABLES. Number of Certificate. Length and size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Description. Makers of Cables. Where and when tested, and Superintendent.

HAWSERS AND WARPS. Number of Certificate. Length and size supplied. Test per Certificate. Description. Makers of Cables. Where and when tested, and Superintendent.

Boats 2 lifeboats 25'0" x 7'3" x 3'0" and 20'0" x 5'5" x 1'7". Steering Gear, Steam 8" x 8" by Builders Steering Gear, Hand Screw type. Pumps, Number 1 Down 1 Up for peaks. Diameter of Barrel 2 1/2". State whether they are in efficient working order. Windlass is made by Builders. Capstan. Engine Room Skylights. How constructed? Coal Bunker Openings. How constructed? Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Hatchways. How formed? State size No. 1 Hatch (Forward) No. 2 Hatch (Forward) No. 3 Hatch No. 4 Hatch. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. No. of Breasthooks. No. of Crutches. Main Rail, material and size. Bulwarks, height above deck and description. The foregoing is a correct description. Builder's Signature. Surveyor's Signature. Correspondence. State dates and initials of letters passing in 1924. Workmanship. Are the butts of plating planed? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Do any rivets break into or through the seams or butts of the plating? Are the butts of Plating, Stringers, &c., properly shifted and strapped? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks. This vessel has been built under special survey in accordance with the requirements of the Rules and the approved plans. The materials and workmanship are good. Sister vessels: "Peking Maru" (Kobe rpt. 1498), "Hankow Maru" (1520), "Kine Maru" (2404), "Leikai Maru" (3051). The following plans are forwarded: Midship Section, Structural Arrangement, W.T. Bulkheads.

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, and list of plans should be embodied in report.

The amount of Entry Fee. Special Survey Fee. Travelling Expenses, if any. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With, or without Freeboard, as condition of Class. Committee's Minute. Character assigned.

Fees applied for. Received by me. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With, or without Freeboard, as condition of Class. Committee's Minute. Character assigned.

18966

S.S. KODAI MARU PARTICULARS OF LONGITUDINAL FRAMING.

GENERAL 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. Speng.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.					
																Number.	Diameter. Inches.				
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.								
Framing of \angle , L or Σ																					
Frames in Bridge 'tween Decks...		6 1/2	3 1/2	36				6	3 1/2	40	6	3 1/2	36	7/8	5 1/4	5 1/4	5	7/8	✓		
Frames from Uppermost Continuous Deck		7	3 1/2	36	7	3 1/2	36	6	3 1/2	40	6	3 1/2	36	7/8	5 1/4	5 1/4	5	7/8	✓		
Framing from Awning, Shelter or Upper Deck to Margin Plate.		No. 1	7	3 1/2	36	7	3 1/2	36	6	3 1/2	40	6	3 1/2	36	7/8	5 1/4	5 1/4	5	7/8	✓	
		" 2	7	3 1/2	36	7	3 1/2	36	6	3 1/2	40	6	3 1/2	36	7/8	5 1/4	5 1/4	5	7/8	✓	
		" 3	7	3 1/2	40	7	3 1/2	36	7	3 1/2	40	7	3 1/2	36	7/8	5 1/4	5 1/4	6	7/8	✓	
		" 4	8	3 1/2	7/16	7 1/2	3 1/2	40	7 1/2	3 1/2	44	7	3 1/2	40	7/8	5 1/4	4 3/8 for 10 rivets	6	7/8	✓	
		" 5	9 1/2	3 1/2	3/8	8 1/2	3 1/2	40	8 1/2	3 1/2	44	8 1/2	3 1/2	40	7/8	5 1/4	4 3/8 " 10 "	7	7/8	✓	
		" 6	9	3 1/2	44	8 1/2	3 1/2	44	9	3 1/2	44	8 1/2	3 1/2	44	7/8	5 1/4	3 1/2 " 10 "	7	7/8	✓	
		" 7	9	3 1/2	50	9	3 1/2	46	9	3 1/2	50	9	3 1/2	46	7/8	4 3/8	3 1/2 " 10 "	8	7/8	✓	
		" 8	10	3 1/2	17/32	9 1/2	3 1/2	52	9 1/2	3 1/2	56	9 1/2	3 1/2	52	7/8	4 3/8	3 1/2 " 10 "	8	7/8	✓	
		" 9	9 1/2	3 1/2	52	7	3 1/2	36	7	3 1/2	40	7	3 1/2	36	7/8	5 1/4	3 1/2 " 4 "	6	7/8	✓	
		" 10	10	3 1/2	1/2	7	3 1/2	36	7	3 1/2	40	7	3 1/2	36	7/8	5 1/4	3 1/2 " 4 "	6	7/8	✓	
		" 11																			
		" 12																			
		" 13																			
		" 14																			
		" 15																			
		" 16																			
Spacing of Longitudinal Frames		Amidships					30					30						
		At Ends					27					27						
Double Bottoms \angle , L or Σ		Tank Top Longitudinals		7	3	50	7	3	36	7	3	40	7	3	36	3/4	4 1/2	3 3/4 for 4 rivets			
		Bottom		7 1/2	3 1/2	40	7	3 1/2	13/32	7 1/2	3 1/2	40	7	3	40	7/8	5 1/4	3 1/2 " 4 "			
				Amidships			30					30							
Spacing of Longitudinals		At Ends...			30					30									
Transverses.														Rivets in Lugs to Shell Diam. Speng.							
In Bridge 'tween Decks		Depth and Thickness		14	x	38				14	x	38									
		Face Angles		7	3 1/2	48				7	3 1/2	48									
		Lugs to Shell*		3 1/2	3 1/2	38				3 1/2	3 1/2	38				7/8	4 3/8	at half beams 5 1/2 x 3" x 36 B.A.			
In Awnings, Shelter or Upper 'tween Decks.		Depth and Thickness		16	x	38	16	x	38	16	x	38	16	x	38						
		Face Angles		8	3 1/2	64	8	3 1/2	64	8	3 1/2	64	8	3 1/2	64				at half beams 6 x 3 1/2 x 36 B.A.		
		Lugs to Shell*		3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	7/8	4 3/8				
In Hold.		Depth and Thickness		23	x	48	23	x	48	23	x	48	23	x	48						
		Face Angles		9	3 1/2	58	9	3 1/2	58	9	3 1/2	58	9	3 1/2	58				Shell lugs joggled. Double for 4 spaces above bilge & to 2nd deck in fore hold.		
		Lugs to Shell*		6	6	46	6	6	46	6	6	46	6	6	46	7/8	4 3/8				
Brackets																					
Spacing of Transverse Frames		12'-0"			12'-0" to 8'-0"			12'-0"			12'-0" to 8'-0"										
* State if joggled or liners.																					
Longitudinal Beams of \angle , L or Σ		Bridge Deck		6 1/2	3 1/2	36				6	3	36				Spacing.		36"	✓		
		Awg. or Shltr. Dk.		✓						✓						✓		Transverse	✓		
		Upper		7	3	38	7	3	36	6 1/2	3	40	6 1/2	3	36	40"	✓	Beams.	✓		
		Second		7	3	44	7	3	44	7	3	40	7	3	36	42"	✓	✓	✓		
		Third		✓			✓			✓			✓			✓		✓	✓		
					</																

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.

5c2,30.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 19 ft., R.Q.D. ✓ ft., Bridge 82 ft., Forecastle 3 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

2 decks (steel) 8 web frames.

Longitudinal framing.

Official No. 29810 : Signal Letters S.P.N.G.

State if Machinery is fitted aft

If bottom of Vessel has been coated Inside

Yes

Outside

Yes

give particulars of paint or other composition

paint.

D.B.—can

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

Cellular

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water
Double bottom, aft,	84.5	134	Fore peak tank,	16.2	
Double bottom, under Engines and Boilers,	32.7	91	After peak tanks, {lower tank 19.8 tons F.W. } upper " 44.1 " S.W. }	14.8	
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	138.0	293	Other tanks, if fitted,		
	Total capacity of double bottom	518	(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

Order for Special Survey No. ✓

Date 20th June 1923.

No. 1057 in builder's yard.

DATES OF SURVEYS held while building

1923. Aug. 6, 15, 20, 24, 30. Sept. 6, 8, 11, 13, 19, 25, 27. Oct. 3, 4, 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30. Nov. 2, 6, 8, 10, 15. Dec. 8, 19, 20, 25, 26, 27. 1924. Jan. 12, 17, 19, 25. Feb. 2, 9, 22. Mar. 8, 19

Total No. of Visits

Surveyor's Signature

L. H. G. Young

Lloyd's Register Foundation