

## STEEL STEAMER OR MOTORSHIP.

21 MAY 1951

Received at London office

RECEIVED

29 MAY 1951

State if Report has been sent on the Freeboard of the Vessel Yes

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

Date of completion of report 27th April 1951

Port of Kobe

No. 341

Survey held at INNOSHIMA

Date First Survey 11th February 1951

6th March 19 51

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW "TUKU MARU" (MACHINERY AFT)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

FULL SCANTLING

State Type of Erections POOP &amp; FORECASTLE

TONNAGE under 1485.60  
Tonnage Deck...Do. of space or spaces  
between Tonnage Dk.  
and Upper Dk.

Total

Tonnage 1843.20

Tonnage 1038.55

REGISTERED DIMENSIONS.  
FEET

82.82

12.20

6.20

CLASS

State if with freeboard  
as condition of Class metersLength from fore part of stem to after part of stern  
post on summer L.W.L. See Sec. 3 (1a)

L 82.3

Breadth (greatest moulded)

B 12.2

Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c)

D 6.2

1st Longitudinal Number (L x D)

= 5431

2nd Numeral L x (B + D)

= 16.281

Framing Depth "d," at middle of length. See  
Sec. 3 (1d)Proportions — Depth to Length — Uppermost con-  
tinuous deck to top of keel

13.3

Do. Long Bridge to  
top of keel

Draught Moulded

5.347

Built at OSAKA

Launched 1938 Yard No. 5

Builders OSAKA SHIPYARD LTD.

Owners NITTO SHOSEN K.K.

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

Residence

Port of Registry TOKYO

If surveyed while building, afloat, or in dry

dock IN DRYDOCK

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. m/m	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. m/m	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	610	✓	Bracket Floors, Frame	125x75x9	✓
" " from 1/2 length amidships to Collision bulkhead	610	✓	" " Reversed Frame	125x75x9	✓
" " in peaks	610	✓	" " Vertical Struts	100x75x9.5	✓
MID FRAMING.			Centre Girder, depth and thickness amidships	800x11	✓
Frame Amidships, Angle, [ or ]	200x80x11	✓	" " top Angles	75x75x9	DA ✓
" " Extends up to	upper deck	✓	" " bottom Angles	90x75x9	DA ✓
Reversed Frame Amidships, Angle	None	✓	Side Girders, No. each side and thickness	1 at 8	✓
" " Extends up to	--	✓	Margin Plate depth (excl. of flange) and thickness	700x11	✓
Depth of Framing Girder	200	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	75x75x9	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	--	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	75x75x9	✓
" " Second 'tween Decks, Angle, [ or ]	--	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	90x90x10	Every 2nd Fr. ✓
" " Third " " " "	--	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	90x90x10	Every 2nd Fr. ✓
" " from 1/2 len. for'd. to 15% len. from Stem	200x90x13.5	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1240x9	✓
" " in peaks, Angle, [ or ]	150x75	11 ✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	19 at 130	✓	Breadth and thickness of Middle Line Strake	1360x11	✓
State if Frame Joggled	Yes	✓	Thickness of remainder in Holds	9	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and fram- ing in Bunkers and Boiler Room?	Yes	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓		125x75x7	7.5 ✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	200x80x11	7.5 ✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [ or ]	200x80x7.5	11 ✓
Middle Line Keelson, on Floors, Angles, [ or ]			Spacing	610	✓
" " Through Plate or Inter- costal Plate			Second Deck, amidships, Angle, [ or ]		✓
" " Foundation Plate on Floors			Spacing		✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [ or ]		✓
Side Keelsons, No. each side			Spacing		✓
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [ or ]	150x75x6.5	10 ✓
" " Angles			Spacing	125x75x9	6.0 ✓
DOUBLE BOTTOM.			Spacing		✓
Solid Floors, thickness and spacing	9	✓	Bridge Deck, Angle, [ or ]		✓
" " Are Frame and Reversed Frame joggled?	Yes	✓	Spacing	150x90x9	✓
Bracket Floors, breadth and thickness at middle line	690x9	✓	Forecastle Deck, Angle, [ or ]	125x75x9	610 ✓
" " breadth and thickness at margin plate	710x9	✓	Spacing		✓



PILLARS AND DECKS.											
			INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.				INCHES IN SHIP.		Any Departure Approved Plans to be Noted.
			m	mm							
<b>PILLARS, No. of Rows</b>				✓						✓	
" in 'tween Decks, Size and Spacing				✓						✓	
" " " " "				✓						✓	
" in Holds " " "			180x10	Dia	✓					✓	
" " " " "				✓						✓	
<b>Centre Line Bulkhead.</b>				✓						✓	
Stiffeners and Spacing				✓						✓	
Plating, thickness of				✓						✓	
<b>STRINGERS AND DECKS.</b>											
<b>Uppermost Continuous Deck.</b>											
Stringer Plate, breadth and thickness in Wells			152x15	✓						✓	
" " " " in way of Bridge										✓	
" Angle in Wells			130x130x15	✓						✓	
Thickness of Plating abreast Deck openings in way of Wells			14	✓	✓					7 & 9	✓
Thickness of Plating abreast Deck openings in way of Bridge			--		✓						
Thickness of Plating within line of openings			9	✓	✓						
If Sheathed, material and thickness			--		✓						
<b>Second Deck.</b>											
Stringer Plate, breadth and thickness in Wells			--		✓						
Stringer Plate, breadth and thickness in way of Bridge											
Thickness of Plating abreast Deck openings in way of Wells											
Thickness of Plating abreast Deck openings in way of Bridge											
Thickness of Plating within line of openings											
If Sheathed, material and thickness											
<b>Third Deck.</b>											
Stringer Plate, breadth and thickness										✓	
If Plated, state thickness										✓	
<b>Fourth Deck.</b>											
Stringer Plate, breadth and thickness										✓	
If Plated, state thickness										✓	
<b>Poop Deck.</b>											
Stringer Plate, breadth and thickness			1070x11x9	✓	✓						
Plating, Sheathing, material and thickness			7 & 9	✓	✓						
<b>Bridge Deck.</b>											
Stringer Plate, breadth and thickness											
Plating, Sheathing, material and thickness											
<b>Forecastle Deck.</b>											
Stringer Plate, breadth and thickness			700x9	✓	✓						
Plating, Sheathing, material and thickness			7	✓	✓						

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.			SINGLE OR DOUBLE.	RIVETS.		No. OF Rows OF RIVETS.	RIVETS.		STRAPPED LAPPED.
	Breadth.	Thickness.	Thickness.	AFT.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.								
Flat Plate Keel	1228	16	14	14		Double	22	80	3	22	90	Lapped
„ Dblg. (if any)												
Bottom Plating, No. of Strakes	4	12	13	10		Double	19	70	3	19	70	"
Bilge Plating, No. of Strakes	1	12	10.5	11.5		"	19	70	3	19	70	"
Side Plating, No. of Strakes	2	12	10	10		"	19	70	3	19	70	"
Upper Deck, Sheer-strake in Wells	1	19	17	10		"	22	100	4	22	90	"
Upper Deck, Sheer-strake in Bridge	--											
Strake below Sheer-strake in Wells	1	1508	13	10		"	19	87	3	22	90	"
Strake below Sheer-strake in Bridge	--											
Poop side Plating				8.11		Single	16	75	1	16	75	"
Bridge Side Plating				--								
Forecastle Side Plating			8			Single	16	75	1	16	75	"

WATERTIGHT BULKHEADS.						FORGINGS AND CASTINGS.							
<b>Total No. of W.T. BULKHEADS in Vessel—</b>						<b>Casting or Forging.</b>	<b>Scautlings.</b>	<b>Maker's Name.</b>	<b>Any Defects from A Plans to</b>				
Extending to Upper Deck (Sec. 3c) _____						(5)	4	Forwards					
Deck next below _____													
As per Rule _____						3							
STIFFENERS.													
Plating Thickness.	VERTICAL..		HORIZONTAL..										
	Scautlings.	Spacing.	Scautlings.	Spacing.									
MIDSHIP BULKHD., Upper 'tween decks													
" " Second "													
" " Third "													
" " Holds	11-7	200x90			610/725								
COLLISION " (in Hold)	11-7	200x80x7.5/11	610										
AFTER PEAK " "	11-7	200x80x7.5/11	610										
						<b>KEEL, Bar</b>	--						
						<b>STEM</b>	194x54 To 4M 12m/r Plate						
						<b>STERN FRAME</b>	{ Propeller Post As approved Rudder Cast Steel ✓						
						<b>Speed of Vessel</b>	11 ✓						
						<b>RUDDER—Type</b>	Semi Balanced						
						" A x D							
						" Diam. of head	150 ✓						
						" Mainpieces at top pintle	--						
						" heel							
						" how constructed	Plates & angles						
						" double or single plate coupling, vertical or horizontal	Double ✓ Vertical ✓						
						<b>STEEL.</b>							
						Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)  							
						Has the Steel been tested as required by the Rules?  							

Number of specimens	Anchors	Weight Ex. Stock		Weight of Stock		Test per Certificate				WEIGHT REQUIRED BY TABLE 53	Description of Anchor	ANCHORS.		
		Wgt.	qrs.	Wgt.	qrs.	lbs.	Tons.	cwts.	qrs.			lbs.	Makers	Where and when tested, and Superintendent.
1st	Bower	35	3	4	✓						35.5	Stockless	Tokyo Chuko SHO	Nippon Kaiji Kyokai Surveyor Tested Sep. 1948 Tokyo ✓
2nd	"	35	2	25	✓						35.5			
3rd	"	35	2	23	✓						30.0			
Collective weight		07	0	24							101.0			
Stream		9	1	7	✓	2	1	10	✓		9.25	Stock		

Number of Cable.	Length and also supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size per Table 53.		Description.	Make of Cable.	Where and when laid, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.		Length and Size per Table 53.	
	Length.	Diam.	Statio- nary.	Break- ing.	Supplied.	Per Rife.	Length.	Diam.					Length.	Cir.	Length.	Cir.	Length.	Cir.
	Fathoms.	Inch.	Tons.	Dis.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Inch.					Fathoms.	Inch.	Tons.	Cwts. qrs. lbs.	Fathoms.	Inch.
	253	13 1/4	54	75 1/2	396-0-0	370 1/2	240	1 1/16		Koyo Seisa K.K.	Osaka, Jap. 1948.		91	3 1/2	25.7	90 1/2	3 1/2	
										Nippon Kaiji Kyokai			91	2 1/2		90	2 1/2	
													91	2 1/2		90	2 1/2	
													91	2 1/2		90	2 1/2	
													91	6 1/2	Manila	20	5"	

Steering Gear, Type (Power or hand) Steam ✓ Alternative Means of Steering Hand ✓  
 Steering Chains (Size and Test) 22m/m ✓ Windlass Steam ✓ Bcats 2(Wood) ✓  
 Lifting in Holds, thickness and material 65 W.P. on Bearers ✓ 230x25 WP  
 Cargo Hatchways. - (Upper Deck) Steel Plates and Angles ✓ Thickness of Hatches 65 Sugi  
 No. of Hatchways No. 1 (Fwd) 10.980x6.40 ✓ No. 2 26.200x6.40 ✓ No. 3 26.200x6.40 ✓ No. 4 \_\_\_\_\_ No. 5 \_\_\_\_\_ No. 6 \_\_\_\_\_  
 Number of Shifting Beams 7 ✓ and/or Fore and Afters 19 ✓  
 Builder's Signature \_\_\_\_\_

**GENERAL DECLARATION.** It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel.....  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo.....  
be indicated, together with the flash point (where required to be inserted in the Notation).  
The positions in which oil is carried as fuel or cargo should

This vessel has been examined and the scantlings and arrangements are in accordance with and  
ivalent to the Society's Rules and Regulations. The material and workmanship upon examination  
re found to be good. All the double bottom tanks, deep tanks and peaks have been tested as  
quired by the rules and found satisfactory. The hand pump has been tested and found satisfactory.  
windlass, steering gear and auxiliary gear have been tried under working conditions and found  
isfactory. The provisional freeboard assigned has been marked on the vessel's sides and  
tried.

amount of Entry Fee 235,872- Fees applied for, \_\_\_\_\_  
 Special Survey Fee £ : : \_\_\_\_\_ 19  
 Travelling Expenses, if any £ : : \_\_\_\_\_ 19

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed 100A1

whether the Vessel has been built under Special Survey \_\_\_\_\_ No \_\_\_\_\_

ificate to be sent to Kobe **in TRIPLICATE** Date of issue 2/8/51. Signature J. G. Young  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 24 JUL 1951  
 Character assigned 100A1

3.51 *Imm.*  
S.S. *Imm* 3.51  
Classed 3.51  
LMC 3.51  
S (C.L.) 2.51 *Am?*  
F.D.  
2 SB 200%  
White Koth (ham).

CLASSIFICATION  
CERTIFICATES WRITTEN

Lloyd's Register  
Foundation

0050  $2\frac{1}{2}$



**GENERAL REMARKS**—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied).

**PARTICULARS OF ELECTRIC WELDING** (if employed)

None

**SPECIAL NOTATIONS** :—Either as part of the vessel's class or for record in the Register Book

D.F. Cement in all tanks

**RADAR** Equipment (State if fitted)

State Type or Pattern No. ---

State } Maker  
Name } and/or  
of } Supplier

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

1st Bower -----  
2nd „ -----  
3rd „ -----

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 84.3 ft, R.Q.D. ✓ ft, Bridge ✓ ft, Forecastle 30.6 ft  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 44792 Signal Letters J.M.P.M. Extreme Breadth over Belting Over all Length 285.2  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 Steel

Parts of Bottom of Vessel coated with cement or approved composition All D.B. Tanks cemented  
F & A.P. cemented Bilges cemented

Particulars of composition (if fitted) and of approval

**PARTICULARS OF WATER BALLAST** :—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	5.49	45.14
Double bottom, under Engines and Boilers, 48.07	14.64	106.5	After peak tank,	3.66	39.6
Double bottom, if under Engines only, 20.03			Deep tank, aft,	10.1	
Double bottom, if under Boilers only, 172.09	52.46	209.6	Deep tank, forward,	3.05	75.3
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity 67.10		316.1	(If necessary furnish further information by sketch)		

Order for Special Survey No.

Date

Dates of Surveys  
held while building

FEB. 11. 12. 13. 14. March 5. 6.



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Foundation

Total No. of Visits 6.