

DISCLOSED

SECTION

No. 807 B

No. 1528

2nd August, 1952 *Last Survey* 8th April.

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

Full Scantling

State Type of Erections.....Poop Bridge & F'cle.

TONNAGE under } 6575.73
Tonnage Deck ... }

CLASS 100A1

State if with freeboard } No
as condition of Class }

Built at.....Tamano.

of space or spaces	}	0
etween Tonnage Dk.		
nd Upper Dk.		

Length from fore part of stem to after part of stern } L 133.000
post on summer L.W.L. See Sec. 3 (1a) }

Launched 17th Jan., 1953 Yard No. 575

Mitsui Shipbuilding & Eng.,
Builders Co., Ltd.

Builders Co., Ltd.

Owners Nakamura Kisen Co., Ltd.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry..... Kobe.

If surveyed while building, afloat, ~~xxx~~ in dry dock

Yes Undocked 20/3/53.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	mm.	IN SHIP.	Any Departure from Approved Plans to be Noted.		mm.	IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	740	/		Bracket Floors, Frame	200x90x10	BA ✓	
" " from ½ length amidships to Collision bulkhead.....}	680	/		" " Reversed Frame..... Two	200x10	BP ✓	
" " in peaks	610	/		" " Vertical Struts One	200x90x10	BA ✓	
SIDE FRAMING.				" " "	200x10	BP ✓	
Frame Amidships, Angle [or]	300	90	10/15.5 Chans	Centre Girder, depth and thickness amidships	1170 x 13.5	/	
" " Extends up to.....	2nd Dk.	/		" " top Angles	180x12 welded FB	/	
Reversed Frame Amidships, Angle				" " bottom Angles.....	200x14 welded FB	/	
" " Extends up to ...				Side Girders, No. each side and thickness.....	One 10	/	
Depth of Framing Girder.....	300	/		Margin Plate depth (excl. of flange) and thickness	970 x 13	/	DISCL
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	200	90	10 BA /	" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	EW direct	/	SECT
" " Second 'tween Decks, Angle, [or]				" " Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area	EW direct	/	No. 8
" " Third " " " "	300	90	10/15.5 Channel wt	" " Gussets, spacing and scantling abaft ¼ len. from stem.....	continuous 13	/	
" " from ½ len. for'd. to 15% len. from Stem	75x10	rider plate	/	" " Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area	continuous 13	/	
" " in Peaks, Angle or [.....	230	90	11 BA /	Tank Side Brackets, height above base line at toe of Frame and thickness	1950x12	/	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 ; 143	/		INNER BOTTOM PLATING.			
State if Frame Joggled.....	Above 2nd deck only	/		Breadth and thickness of Middle Line Strake..	1400 13	/	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ?	Yes	/		Thickness of remainder in Holds	11.5	/	
Are the scantlings and arrangements in way of the Bottom Forward 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. End space under keelsons, Bulkheads and Boiler Room ?	Yes	/	
SINGLE BOTTOM.				BEAMS.			
Floors, Depth and thickness at mid-line in Holds.....				Uppermost Continuous Deck, amidships in Wells, Angle, [or]	230x11	BP ✓	
Height of Brackets at side above base line at toe of frame.....				" " in way of Bridge, Angle, [or]	200x10	BP ✓	
Middle Line Keelson, on Floors, Angles, [or]				" " Spacing	Every frame	/	
" " Through Plate or Inter-costal Plate				Second Deck, amidships, Angle, [or]	230x11	BP ✓	
" " Foundation Plate on Floors				" " Spacing	Every frame	/	
" " Flat Plate Keel Angles				Third Deck, amidships, Angle, [or]			
Side Keelsons, No. each side.....				" " Spacing.....			
" " thickness of Intercoastal Plate....				Fourth Deck, amidships, Angle, [or]			
" " Angles				" " Spacing.....			
DOUBLE BOTTOM.				Poop Deck, Angle, [or]	180x9.5	BP ✓	
Solid Floors, thickness and spacing	10.5 Every third frame	/		" " Spacing.....	Every frame	/	
" " via tank top & rivetted, to bottom shell.		/		Bridge Deck, Angle, [or]	230x11	BP ✓	
" " via welded flat bar, to bottom shell.		/		" " Spacing.....	Every frame	/	
Bracket Floors, breadth and thickness at middle line	950x10.5	/		Forecastle Deck, Angle, [or]	200x10	BP ✓	
" " breadth and thickness at margin plate.....	950x10.5	/		" " Spacing.....	Every frame	/	

PILLARS AND DECKS.

	AS IN SHIP. mm.	Any Departure from Approved Plans to be Noted.	AS IN SHIP. mm.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	One		Stringer Plate, breadth and thickness in way of Bridge	1600x7.5 ✓
„ in 'tween Decks, Size and Spacing	row of pillars widely spaced as approved ✓		Thickness of Plating abreast Deck openings in way of Wells	9.5 ✓
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge	7.5 ✓
„ in Holds „ „ „			Thickness of Plating within line of openings...	9 & 7.5 ✓
„ „ „ „ „			If Sheathed, material and thickness	-
Centre Line Bulkhead. Stiffeners and Spacing	None		Third Deck. Stringer Plate, breadth and thickness	
Plating, thickness of	-		If Plated, state thickness	
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	1600x25 ✓		Fourth Deck. Stringer Plate, breadth and thickness	
„ „ „ „ in way of Bridge	1600x14 ✓		If Plated, state thickness	
„ Angle in Wells	200x200x25 ✓		Poop Deck. Stringer Plate, breadth and thickness	7.5 ✓
Thickness of Plating abreast Deck openings in way of Wells	24 ✓		Plating, Sheathing, material and thickness ...	no sheathing
Thickness of Plating abreast Deck openings in way of Bridge	14 & 10 ✓		Bridge Deck. Stringer Plate, breadth and thickness	1600x15 ✓
Thickness of Plating within line of openings...	9.5 ✓		Plating, Sheathing, material and thickness ...	14; 65mm. Oregon Pin ✓
If Sheathed, material and thickness	-		Forecastle Deck. Stringer Plate, breadth and thickness	9 breadth variable
Second Deck. Stringer Plate, breadth and thickness in Wells	1600x10.5 ✓		Plating, Sheathing, material and thickness...	8 no sheathing

SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	Upper EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	No		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.			State if jogged?	RIVETS.		Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.
	XXXX	XXXX	XXXX	XXXX										
	mm.	mm.	mm.	mm.										
Flat Plate Keel.....	1400	21.5	21.5	21.5		Welded	-	-						
„ Dblg. (if any)	-	-	-	-		Welded	-	-						
Bottom Plating, No. of Strakes		18.5	14	14		(E) Double	22	93						
Bilge Plating, No. of Strakes	F	17	14	14		Double	22	93						
Side Plating, No. of Strakes	F	16	12	12		Welded	-	-						
Upper Deck, Sheer- strake in Wells L...	1900	23	12	12		-	-	-						
Upper Deck, Sheer- strake in Bridge L...	2000	16	-	-		Double	22	93						
Strake below Sheer- strake in Wells ...K		16	12	12		Double	22	93						
Strake below Sheer- strake in Bridge K		16	-	-		Double	22	93						
Poop Side Plating.....	-	-	-	9.5		Welded	-	-						
Bridge Side Plating...M	N	17	-	-		Welded	-	-						
Forecastle Side Plating	M	16	-	-		Welded	-	-						

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	7
Extending to Upper Deck (Sec. 3 c)	1
„ Deck next below	7
As per Rule	

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	6.5	100x75x10	725		
„ „ Second „					
„ „ Third „	10.5	300x90x			
„ „ Holds	7.5	10/15.5	725	610x9	
„ „ (in Hold)	13.5	150x90x	610	75 Fl.	1800
COLLISION „	7.5	9 IOA		610x9	
AFTER PEAK „	7.5	150x90x	600	75 Fl.	1700

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	-			
STEM	Plate stem			
STERN FRAME { Propeller Post Rudder „	Steel as casting appr.		Sumitomo	
Speed of Vessel	14.6 knots service			
RUDDER—Type	Simplextype; contra-flow			
„ „ „	Total A 16.524 m ²			
„ Diam. of head	FS 280		Sumitomo	
„ Mainpiece at top pintle	FS 260		Sumitomo	
„ „ heel				
„ how constructed	Welded plates			
„ double or single plate	Double			
„ coupling, vertical or				
„ horizontal	Horizontal			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth
 Fuji Iron & Steel Co., Yawata Iron & Steel Co., Kawasaki Steel Corp.
 Has the Steel been tested as required by the Rules? Yes.

Lloyd's Register
Foundation

CHAIN CABLES. HAWSERS AND WARPS.

HAWSERS AND WARPS.

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$$8 \times 8 = 7000 \quad 12850 \times 7000 \quad 11810 \times 7000 \quad 13320 \times 7000 \quad 11100 \times 7000$$

Latchways No. 1 (Fwd.) 8,840x7000 No. 2 13850x7000 No. 3 11840x7000 No. 4 13320x7000 No. 5 11100x7000 No. 6

Builder's Signature.....NEERING CO., LTD., TAMANO WORKS.

Builder's Signature.....NEERING CO., LTD., TAMANO WORKS.

Senior Managing Director

ship has been built under Special Survey in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements of the ship are as given in the report and as shown on the "As Built" and "Approved" plans now forwarded. All modifications and alterations to the original approved arrangements made during construction have been indicated on the plans and have been approved as being in accordance with, or by standards equivalent to, the requirements. The plans of Midship Section and Profile & Decks showing the ship as built, forwarded herewith, have been checked with the approved arrangements and found in order. The materials and workmanship are good. All double bottom tanks, peak tanks, deep tanks and transverse bulkheads have been tested as required by the Rules and found satisfactory. The weather decks, watertight bulkheads, tunnel, and watertight doors have been satisfactorily tested. The machinery, including the main engine, auxiliary engines, pumps, and steering gear have been tried under working conditions and found satisfactory. Oil may be carried in Nos. 1, 2, 3, 4 double bottom tanks and in the tunnel tanks. Water ballast may be carried in the Fore & After Peak tanks, midship deep tank, tanks in way of tunnel and in Nos. 2 & 5 double bottom tanks.

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

I am of opinion the Vessel should be Classed..... *** 100A1**

For G.G. YOUNG & Self

Signature G. J. Kainby &

Surveyors to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey

Yes.

Certificate to be sent to Kobe in Triplicate Date of issue 20/10/53

Committee's Minute

~~TUESDAY 22 SEP 1953~~

Character assigned

+100 A1

3.53 Tamano

Lloyds A & C.

+LMC 4.53 Oil Eng

DB 100 cl. CL.

Note for SRL.

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.)

This vessel, which is a sister ship to the same Builder's "KENYO MARU" Yard No.574 (Rpt.No. 1340A), is classed also with the Japanese Classification Society Nippon Kaiji Kyokai.

Freeboards have been assigned by the Japanese Government. A report C12(b) of verification of freeboard markings is attached.

The following "As Built" plans are forwarded herewith:-

Midship Section	Double Bottom in E.R.(2 sheets)	Fore End Framing.
Profile & Decks	OT & WT Bulkheads	After End Framing
Shell Expansion	Stem	P.403 Steel
Capacity Plan	Sternframe & Rudder	

The following Forging and Casting Certificates are now forwarded:-

Cert. Nos.	Description
11938	Stern Frame
11937	Rudder Stock
11939	Rudder Post

Other certificates attached:- Cert. No. ^{Rpt.10}FE-14319 ; Derrick Test Cert. No. MS-14223

PARTICULARS OF ELECTRIC WELDING (if employed) All shell butts; shell seams except bilge and upper deck sheerstrake; bulkhead plating and stiffeners including Boundaries; deck beams, deck seams and butts; casings; deckhouses; inner bottom seams & butts; floors to tank top except at middle line strake.

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book
Lloyd's A & CP; DF; ESD; Gy.C; Radar; Cruiser stern; pt.Elec.
Welded; pt.cem.

RADAR Equipment (State if fitted) Yes
State Type or Pattern No. Mark II
State Name of Maker and/or Supplier Sperry

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	45.2.6	KN	Y-4270	5-12-52	✓
	2nd "	45.1.1	KN	Y-4269	5-12-52	✓
	3rd "	45.0.7	KN	Y-4271	5-12-52	✓
		21.0.6	KN	Y-4272	5-12-52	✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30.1 ft., R.Q.D. — ft., Bridge 85.0 ft., Forecastle 41.5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 69783 Signal Letters JGGH Extreme Breadth over Belting — Over-all Length 463.94
(Circ. 1611) (Circ. 1703)

No. and Material of Decks Two ; Steel

Parts of Bottom of Vessel coated with cement or approved composition F & A Peaks Bilges, F.W. Tank in D.B.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, FW or WB f37-65	68.0	229.6	Fore peak tank, FW or WB		
Double bottom, under Engines only, LB;FO;FW			After peak tank, FW or WB		
Double bottom, if under Engines only, LB;FO;FW	60.7	-	Deep tank, aft,		
Double bottom, XXXXXX			Deep tank, forward,	29.13	1024
Double bottom, forward, Nos.1&2 FO or WB	194.3	451.0	Other tanks, if fitted, Tunnel Wing Tanks	51.0	406
Total length (if continuous) and Capacity	323.0	680.6	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building

GGY 1952 25th Sept.,13th Oct.,28th Oct., 11th Dec.,17th Dec;
1953 8th,16th & 17th Jan.

MH 1952 25th Oct.,22nd,25th,26th,28th Nov., 1st,10th,13th,16th,19th,23rd,
25th,26th,27th Dec.; 1953 6th,7th,10th Jan., 24th,27th,28th Mar.,
2nd,8th Apr.

TFM 16th Jan.,5th Feb.,16th Feb.,13th Mar.,1953.

Total No. of Visits 34