

STEEL STEAMER OR MOTORSHIP.

18 DEC 1953

Received at London office

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

State if Report is sent on the Machinery of the Vessel

Date of completion of report **9 DEC 1953** Port of **Kobe** No. **1770**
Survey held at **Kobe** Date First Survey **8th April 1953** Last Survey **24th October, 1953.**

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **Single Screw Motor Ship "HIYEHARU MARU"**

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **Full scantling vessel** State Type of Erections **Flush decker with F'cle.**

TONNAGE under } **6878.09**
Tonnage Deck... }

CLASS **+ 100A1** State if with freeboard } **No**
as condition of Class } FEET

Built at **Kobe**
Launched **28th July, 1953** Yard No. **855**
Kobe Shipyard & Eng., Wks.
Builders **Shin Mitsubishi Heavy Ind. Ltd.**

Displacement or spaces } **7846.39**
Tonnage Dk. }
Net Dk. }

Length from fore part of stem to after part of stern } **L 439.63**
post on summer L.W.L. See Sec. 3 (1a) }
Breadth (greatest moulded) **B 60.69**
Depth, at middle of length from top of keel to top } **D 37.40**
of beam at side of uppermost continuous }
deck. See Sec. 3 (1c) }

Owners **Shin Nihon Kisen K.K.**
Managers
(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS. FEET
448.82
60.70
37.40

1st Longitudinal Number (L x D) =
2nd Numeral L x (B + D) =
Framing Depth "d," at middle of length. See }
Sec. 3 (1d) }
Proportions — Depth to Length — Uppermost con- }
tinuous deck to top of keel }
Do. Long Bridge to }
top of keel }
Draught Moulded **J.G. assigned S.** **27.98**

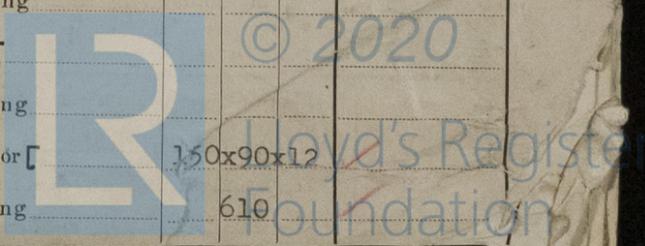
Residence
Port of Registry **Nishinomiya, Japan**
If surveyed while building, afloat, or in dry dock **Yes, undocked 7-10-53.**

FRAMES, DOUBLE BOTTOM AND BEAMS.

	SCANTLING IN SHIP.		Any Departure from Approved Plans to be Noted.	SCANTLING IN SHIP.		Any Departure from Approved Plans to be Noted.
	m	m		m	m	
SPACING, Spacing amidships	830					
" from 1/3 length amidships to Collision bulkhead	685					
" in peaks	610					
FRAMING. built up	28-51 (A) 100x16					
" 53-69 350x13						
" 71-92 90x13						
" 94-113 100x16						
" Extends up to 2nd Deck 115-124 330x12						
" 90x15						
" 230x10						
" 100x16						
" 350x13						
FRAMING GIRDERS						
" in Uppermost Continuous 'tween Decks, Angle, [or]	FR 3/51 200x90x8/13.5					
" Second 'tween Decks, Angle, [or]	53/113 200x10 B.P.					
" Third 'tween Decks, Angle, [or]	115/161 200x90x8/13.5					
" from 1/3 len. for'd. to 15% len. from Stem	100x8 350x13 90x13					
" in peaks, Angle or [or]	230x150 all AP					
" after and Spacing of Rivets through Frame and Shell Plating amidships	230x90x11 AP 100x16 W.B.L. 92-132					
" if Frame Joggled	Yes for Riveting					
" the scantlings and arrangements in the Framing Area in accordance with the Rules and/or as approved?	Yes					
" the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes					
DOUBLE BOTTOM.						
" Girders, Depth and thickness at mid-line in Holds	---					
" Height of Brackets at side above base line at toe of frame	---					
" Middle Line Keelson, on Floors, Angles, [or]	---					
" " Through Plate or Inter-costal Plate	---					
" " Foundation Plate on Floors	---					
" " Flat Plate Keel Angles	---					
" Side Keel each side	---					
" Character assigned	10.53 Ko.					
" every frame	Lloyds A+C.					
" errated						
BRACKET FLOORS, Frame	---					
" Reversed Frame	---					
" Vertical Struts	---					
Centre Girder, depth and thickness amidships	1190x13.5					
" top Angles	---					
" bottom Angles	---					
Side Girders, No. each side and thickness	One 9.5					
Margin Plate depth (excl. of flange) and thickness	13.5					
" Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	---					
" Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	12.5					
" Gussets, spacing and scantling abaft 1/4 len. from stem	continuous					
" Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	continuous					
Tank Side Brackets, height above base line at toe of Frame and thickness	2000x12.5					
INNER BOTTOM PLATING.	1400x13					
" Breadth and thickness of Middle Line Strake	11.5 at ends					
" Thickness of remainder in Holds	11.5					
" Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	Yes					
BEAMS.						
" Uppermost Continuous Deck, amidships in Wells, Angle, [or]	200x90x8/13.5					
" " in way of Bridge, Angle, [or]	200x90x8/13.5					
" Spacing	830					
" Second Deck, amidships, Angle, [or]	200x90x8/13.5					
" Spacing	830					
" Third Deck, amidships, Angle, [or]	---					
" Spacing	---					
" Fourth Deck, amidships, Angle, [or]	---					
" Spacing	---					
" Poop Deck, Angle, [or]	---					
" Spacing	---					
" Bridge Deck, Angle, [or]	---					
" Spacing	---					
" Forecastle Deck, Angle, [or]	150x90x12					
" Spacing	610					

Write Kob. (M.)

R.M.C. 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).

Sister Ship:— No. of Report Kobe Office Nos. 1108 and 1324.

Name "MUKOHARU MARU" and "ASOHARU MARU" Kobe Shipyard & Eng., Works, Shin Mitsubishi Heavy Ind., Ltd. Approved plans previously forwarded.

The Freeboard has been assigned by the Japanese Government, Freeboard verification form attached herewith. The steering gear and windlass have been tested with satisfactory result O.F. flash point above 150°F can be carried in Nos. 1,2,3,5,6 & 7 D.B. tanks and deep tanks A, B, C, & D tanks.

The following plans accompany this report:—

As Built:— Stern frame,	As Fitted:— General Arrangement,
Stem,	Midship Section,
Shell expansion and framing plan,	Profile and decks,
Rudder,	Capacity plan,
Bow Construction,	
Stern Construction,	
Double Bottom,	
Deep Tank,	
W/T Bulkhead,	
Wing Tank and shaft tunnel,	

The following Certificates accompany this report:—

Stern frame, Rudder stock, Rudder frame scupper and lower tiller.

P 403 steel details herewith.

PARTICULARS OF ELECTRIC WELDING (if employed) Shell butts, beams, girders, etc., D.B. & T. Top plating, bulkhead, E. Casing and deck house are electrically welded using electrodes approved by the Society for each purpose and methods approved by and to the satisfaction of the undersigned.

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

Cruiser stern, Lloyd's A & C.P. D.F. Gys. E.S. W/T part electrically welded, carriage O.F. flash above 150°F or vegetable oil in deep tanks (No.4 H).

RADAR Equipment (State if fitted Yes) Mariner's path finder State Type or Pattern No. 1404 type. Name of Supplier Raytheon (U.S.A.) Nihon Kikai Boeki K.K. To

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "	Stream	cwt	qrs	lbs	Y	26-6-53	K.Nakano
					49	0	22	4743		
					49	0	22	4741		
					49	0	0	4742		
					23	1	19	4744		

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop --- ft., R.Q.D. --- ft., Bridge --- ft., Forecastle 44.3 (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 70180 Signal Letters J B C W Extreme Breadth over Belting --- Over all Length 475 (Circ. 1611) (Circ. 1703)

No. and Material of Decks Two, steel Parts of Bottom of Vessel coated with cement or approved composition Water tank cement coated

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,	130.7	495.5	Fore peak tank,	---	82.8
Double bottom, under Engines and Boilers,	26.5	---	After peak tank,	---	136.8
Double bottom, aft, under Engines and Boilers only	---	---	Deep tank, aft, C. (S.S.)	27.2	728.8
Double bottom, aft, under Boilers only	---	---	Deep tank, forward, D. (P.S.)	27.2	697.8
Double bottom, forward,	171.4	600.85	Other tanks, if fitted,	---	---
Total length (if continuous) and Capacity	351	1096	(If necessary furnish further information by sketch)	---	---

Order for Special Survey No.	R.I. 23/6	1096 38 1048
Date	G.G.Y. 14 Oct/1953.	
	T.F.N. 27 May	
	K.U. 8, 27, 29/May. 3, 15, 20, 25, 27, 29, 30/June. 14, 6, 9, 10, 13, 15, 16, 18, 24, 28/July. 6/Aug. 13, 16, 17, 19, 23/Oct. 1953.	
	Y.K. Total No. of Visits 31	
	K.T.	

No S.S.O.F. available.

