

## STEEL STEAMER OR MOTORSHIP.

DISCLOSED

DAY 10

Received at London Office

AUG - 2 1938

State if Report has been sent on the Freeboard of the Vessel No

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

Date of completion of report 14th June 1938

Port of SHIMONOSEKI.

No. 2370

Survey held at NAGASAKI.

Date First Survey 31st October 1936 Last Survey 26th May 1938. 19

On the (State if Machinery fitted Aft and Single, Twin or Triple Screw) Single Screw Steamer "MINRYO MARU", ex "CONSOLIDATE"

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

Full Scantlings

State Type of Erections P.B.S.

TONNAGE under Tonnage Deck... 1,768.78

CLASS \*100A1.

State if with freeboard as condition of Class No

Built at Nagasaki.

Do. of space or spaces between Tonnage Dk. and Upper Dk.

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

Metres.

Launched 20th Oct. 1937 Yard No. 108

Total 1,768.78

Breadth (greatest moulded)

B 12.80

Builders Koyagijima Zosensho, Kawaminami Kogyo K.K.

Gross Tonnage 2,194.59

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

D 7.00

Owners Kawaminami Kogyo K.K.

Register Tonnage 1,162.42

1st Longitudinal Number (L x D) = 542.71

Managers /

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

2nd Numeral L x (B + D) = 1535

Residence Nagasaki.

## REGISTERED DIMENSIONS. Metres

length 257.1 78.38

Framing Depth "d," at middle of length. See Sec. 3 (1d) 6.16

Port of Registry Osaka.

breadth 40.4 12.30

Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.08

If surveyed while building, afloat, or in dry dock

depth 23.0 7.00

Do. Long Bridge to top of keel 8.34

Building. ✓

Draught Moulded 6.17

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	m/m or INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		m/m or INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	620	✓ As approved	Bracket Floors, Frame	Ch. 180x70x10.5	✓ As approved
" " from 3/8 length to Collision bulkhead	455	✓	" " Reversed Frame	Ch. " " "	✓
" " in peaks	Aft 610	✓	" " Vertical Struts	Ch. " " "	✓
IDE FRAMING.			Centre Girder, depth and thickness amidships	890x10.5-9	✓
Frame Amidships, <del>230x90x13.5</del>	230x90x13.5	✓	" " top Angles	DA 75 75 10.5	✓
" " Extends up to	Upp. dk.	✓	" " bottom Angles	DA 90 90 10.5	✓
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One 8 BR 11 Two 8.5 BR	✓
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	735x10 BR 12.5	✓
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	90 90 10.5 BR 12.5	✓
Frames in Uppermost Continuous 'tween Decks, <del>230x90x13.5</del>	230x90x13.5	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	" " "	✓
" " Second 'tween Decks, Angle, [ or [			" " Gussets, spacing and scantling abaft 1/2 len. from stem	650x8.5 BR 11 every 4th BR Alt.	✓
" " Third " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	8.5 Continuous	✓
Framing in Peaks, <del>180 75 9.5</del>	180 75 9.5	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1395x9.5 BR 12	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 Dia x140	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Joggled		Breadth and thickness of Middle Line Strake	BR 12.5	✓
ANTING ARRANGEMENTS (Sec. 7), state system and particulars	Solid floor at every ft. Add: side Girder & panting Strg. fitted.	✓	Thickness of remainder in Holds	8.5	✓
TRENGTHENING OF BOTTOM FORWARD. State Particulars	Bottom plating increased Thks from 1/2 L. ford.	✓	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	✓
INGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells <del>150 75 10</del>	150 75 6.5 10	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, <del>150 75 10</del>	" " "	✓
Middle Line Keelson, on Floors, Angles, [ or [			Spacing	Every Fr.	✓
" " Through Plate or Intercostal Plate			Second Deck, amidships, <del>150 75 10</del>	150 75 6.5 10	✓
" " Foundation Plate on Floors			Spacing	Every Fr.	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [ or [		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [ or [		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, <del>150 90 9</del>	150 90 9	✓
Solid Floors, thickness and spacing	8.5 & 11 in BR. at every fr. in BR. and ford 3/5 L. Amid. Others every 4th E.R.	✓	Spacing	Every Fr	✓
" " Are Frame and Reversed Frame joggled?	Frame only	✓	Bridge Deck, <del>150 75 8</del>	150 75 8	✓
Bracket Floors, breadth and thickness at middle line	770x8.5-11 BR.	✓	Spacing	Every Fr	✓
" " breadth and thickness at margin plate	770x8.5-11 BR.	✓	Forecastle Deck, <del>150 75 10</del>	150 75 6.5 10	✓
			Spacing	Every Fr.	✓



## PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows....</b> 2 Rows Widely Spaced.		As Approved	Stringer Plate, breadth and thickness in way of Bridge	1090x8.5	As Approved
„ in 'tween Decks, Size and Spacing	200x80x7.5	✓	Thickness of Plating abreast Deck openings in way of Wells	7.5	✓
„ „ „ „ „	D.ch.	✓	Thickness of Plating abreast Deck openings in way of Bridge	7.5	✓
„ in Holds	D.ch. 300x90x9/13	✓	Thickness of Plating within line of openings...	7.5	✓
„ „ „ „ „			If Sheathed, material and thickness	Not Sheathed	✓
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of .....			If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	1145x12-11	✓	If Plated, state thickness .....		
„ „ „ „ in way of Bridge	1090x8.5	✓	<b>Poop Deck.</b>		
„ Angle in Wells .....	130 130 12	✓	Stringer Plate, breadth and thickness .....	660x7.5	✓
Thickness of Plating abreast Deck openings in way of Wells .....	7.5	✓	Plating, Sheathing, material and thickness ..	O.P. Wood 65 on Stl Dk 7	✓
Thickness of Plating abreast Deck openings in way of Bridge .....	7.5	✓	<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	7.5	✓	Stringer Plate, breadth and thickness.....	1120x8.5	✓
If Sheathed, material and thickness .....	Wood 65 O.P.	✓	Plating, Sheathing, material and thickness ..	O.P. Wood 65 Stl Dk 7.5	✓
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	1090x8.5	✓	Stringer Plate, breadth and thickness.....	660x8	✓
		97	Plating, Sheathing, material and thickness ..	O.P. Wood 65 Stl Dk 7.5	✓

## SHELL PLATING.

SCANTLINGS.						RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		No		RIVETS.		RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	State if jogged?	Diam.	Spacing or to cr.	No. of Rows of Rivets.	Strapped or LAPPED.
FLAT PLATE KEEL .....	1120	16	✓ 14	✓ 14	As Approved	Double		22	78	✓ 3	22 78 B Strapped
„ DBLG. (if any)											
BOTTOM PLATING, No. of Strakes .....		12	✓ 18	✓ 14	✓	„		19	78	✓ 3	19 67 Lapped
BILGE PLATING, No. of Strakes .....		12	✓ 18	✓ 14	✓	„		19	78-89	✓ 3	19 67 „
SIDE PLATING, No. of Strakes .....		15	✓ 18	✓ 14	✓	„		22	89	✓ 3	22 78 „ strakes B.S.
UPPER DECK, Sheer-strake in Wells.....	1195	14	✓ 10	✓ 10	✓	„		22	89	✓ 3	22 78 Lapped
UPPER DECK, Sheer-strake in Bridge ...		12 (21 at Br: Ends)	✓	✓	✓	„		19	89-108	✓ 3-4	19 67 „
STRAKE BELOW Sheer-strake in Wells.....		14 to 19	✓ 10	✓ 10	✓	„		22	19	✓ 3	22 78 „
STRAKE BELOW Sheer-strake in Bridge ...		16	✓		✓	„		22	89	✓ 3	22 78 „
POOP SIDE PLATING .....				8	✓	Single		16	64	✓ 1	16 56 „
BRIDGE SIDE PLATING ...		11	✓		✓	„		19	78	✓ 3	19 67 „
FORECASTLE SIDE PLATING			8.5	✓	✓	„		16	64	✓ 1	16 56 „

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c)	7
„ Deck next below	7
As per Rule	5

## STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	7.6.5.	125x75x7A	750						
„ „ Second „									
„ „ Third „									
„ „ Holds	Fr: 63	10.5-180x75x	750						
„ „ „		11-180x75x	10.5ch. 750						
<b>COLLISION</b> „ (in Hold)		7.5 & 65x65x6A	610						
<b>AFTER PEAK</b> „ „		7.5 150x75x8BA	610						

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	Flat plate.			As Approved
<b>STEM</b> .....	CS Var: Sect:			✓
<b>STERN FRAME</b> { Propeller Post .....	CS 230x145	✓		„
{ Rudder „ .....	CS 205x145	✓		„
<b>Speed of Vessel</b> .....	12.5 knots	✓		
<b>RUDDER—Type</b> .....	Ordinary	✓		
„ A x D .....	606	✓		„
„ Diam. of head .....	NS 215	✓		„
„ Mainpiece at top pintle	CS 215	✓		„
„ „ heel ...	CS 165	✓		„
„ how constructed .....	CS Frames & Steel plate	✓		„
„ double or single plate	Sing: 22 m/m	✓		„
„ coupling, vertical or horizontal .....	Vertical.	✓		„

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **Open Hearth Process.** ✓  
**Nakayama Steel Works, Ltd., Osaka: Amagasaki Steel Works, Ltd., Osaka:**  
**Carnegi-Illinois Steel Corporation. U.S.A.**  
 Has the Steel been tested as required by the Rules? **Yes** ✓







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.)

Seams and butts of shell plating forward of 3/5 Length fitted with inside butt straps from second strakes below sgeerstrake down to below light load draft, shell plating also rabbit jointed as ste ~~eam~~ Vessel specially constructed and strengthened for the Navigation in Ice. ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. \*100AI. Strengthened for Navigation in Ice: ✓ 2 Dks: ✓ Cruiser stern: Lloyd's A & C.P: ✓ D.F: E.B.D: Wirelless: Cement: ✓

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	22- 0- 5 ✓	S.H.	1414	13-12-37
	2nd "	21- 3-11 ✓	"	1413	"
	3rd "	22- 0- 5 ✓	"	1415	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop <sup>23'</sup> 6.97 M. R.Q.D. - ft., Bridge <sup>77'</sup> 23.56 M. Forecastle <sup>31'</sup> 9.42 M. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated Not joined. ✓

No. and Material of Decks 2 Dks: ✓ Steel: 2 Tier Beams: Over-all Length 82.17 269.6

Official No. 44567 ; Signal Letters J I L L. Is bottom of vessel coated with cement Yes ✓ if not give particulars of composition /

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Metres	Water Capacity. Tons.	Where Fitted.	*Length. Metres	Water Capacity. Tons.
Double bottom, aft,	19.22 ✓	111.50	Fore peak tank,	6.82	150.73 ✓
Double bottom, under Engines and Boilers,	12.40 ✓	118.22	After peak tank,	3.66	13.55 ✓
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	32.545 ✓	194.13	Other tanks, if fitted,		
	Total capacity of double bottom	423.85	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 132

Date 12-10-36 (Nag)

Dates of Surveys held while building

1936:- Oct 31 Dec:7.9.  
1937:- Jan 6.21.25 Feb 4.15 Mar 1.15.17.22.23.23.30 Apr 5.8.12.13.20.23.24  
30 May 3.4.7.11.14.17.18.22.25.31 June 2.3.4.7.9.10.14.16.18.21.23.  
July 5.7.9.19.20.21.22.23.24.26.27.29.30 Aug 2.3.4.5.6.10.12.13.16.  
17.18.20.23.25.30.31 Sep.1.2.6.7.8.9.13.18.20.24.27.30 Oct 1.2.4.5.  
6.9.15.20.21.23.25.26 Nov 2.11.12.25.29.30 Dec 1.7.8.23  
1938:- Jan 10.24.25.28 Feb 10.23.24.28 Mar 7.11.14.16.18.22.24.25. Apr 9.  
11.12.14 May 3.10.21.26.

Total No. of Visits 133