

Rpt. 1.

## STEEL STEAMER or MOTORSHIP.

Received at London Office 8 MAR 1937

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

16-2-37

Port of KOBE

No.

9952

Survey held at

TAMA

Date First Survey

28-4-36

Last Survey

15-1-1937

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

STEEL SINGLE SCREW MOTORSHIP "OMROSAN MARU" (misch aft)

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

LONGITUDINAL FRAMED TANKER

State Type of Erections LONG POOP &amp; FORECASTLE

TONNAGE under Tonnage Deck

8097.60

CLASS 100A 1

State if with freeboard as condition of Class

✓

Built at TAMA

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)

FEET.

L 488

Launched 17-10-36

Yard No. 212

Total

8097.60

Breadth (greatest moulded)

B 65

Builders MITSUI BUSSAN KAISHA

Gross Tonnage

9205

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

D 36

Owners MITSUI BUSSAN KAISHA

Register Tonnage

5288

1st Longitudinal Number (L x D) = 17568

Managers

✓

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

2nd Numeral L x (B + D) = 49288

Residence

✓

## REGISTERED DIMENSIONS.

FEET.

Length

491.44

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

17.75

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

11.09

Breadth

65

Do. Long Bridge to top of keel

13.55

Port of Registry KOBE

Depth

36

Draught Moulded

28'-5 3/16"

If surveyed while building, afloat, or in dry dock

WHILE BUILDING.

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	LONG. FRAMING.		Bracket Floors, Frame	—	
" " from 1/2 length to Collision bulkhead	SEE RPT. 1* ON BACK.		" " Reversed Frame	—	
" " in peaks	96, 24" BEFORE 96.	✓	" " Vertical Struts	—	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	48" .61"	✓
Frame Amidships, Angle, [ or ]	24" 33" IN E.R.	✓	" " top Angles	90.90.13	✓
" " Extends up to	2ND. DECK	✓	" " bottom Angles	150.150.15	✓
Reversed Frame Amidships, Angle [ or ]	250.90.90.14.5	✓	Side Girders, No. each side and thickness	THREE 90.85.52	✓
" " Extends up to	2ND DK.	✓	Margin Plate depth (excl. of flange) and thickness	68" .56	✓
Depth of Framing Girder	9' 3 1/2" .475	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	150.150.12	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	—	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	DITTO	✓
" " Second 'tween Decks, Angle, [ or ]	—	✓	ANGLE TO SHELL (Gussets, spacing and scantling) abaft 1/2 len. from stem	150.150.15	✓
" " Third " " " "	—	✓	ANGLE TO FLOORS (Gussets, spacing and scantling) forward 1/2 len. from stem	150.150.15	✓
Framing in Peaks, Angle or [ or ]	9' 3 1/2" .475	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	51 IN ENG.; 50 FORD	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	—	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	YES	✓	Breadth and thickness of Middle Line Strake	110" x .56"	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	—	✓	R.F.D. TANK TOP FORD. Thickness of remainder in Holds	.42"	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	—	✓	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?	—	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	46" x .46	✓	Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	8.3 1/2" .45	✓
BOTTOM TRANSVERSERS	250.90.90.14.5	✓	" " in way of Bridge, Angle, [ or ]	9.3 1/2" .475	✓
Height of Brackets at side base line at toe of frame	150.150.12.4.90.13 SHELL ANGLES.	✓	Spacing	—	✓
Middle Line Keelson, on Floors, Angles, [ or ]	39 x 39 x 46 + 81 x 81 x .50	✓	Second Deck, amidships, Angle, [ or ]	9.3 1/2" .475	✓
" " Through Plate or Intercoastal Plate	46	✓	Spacing	DITTO	✓
" " TOP ANGLES Foundation Plate on Floors	90 90 13 JL	✓	B.R. FLAT	—	✓
" " Flat Plate Keel Angles	130 130 12	✓	Third Deck, amidships, Angle, [ or ]	9.3 1/2" .475	✓
Side Keelsons, No. each side	2 O.T. BHD.	✓	Spacing	EVERY FRAME	✓
" " thickness of Intercoastal Plate	—	✓	Fourth Deck, amidships, Angle, [ or ]	—	✓
" " Angles	—	✓	Spacing	—	✓
DOUBLE BOTTOM. IN ENG. ROOM.			Poop Deck, Angle, [ or ]	8.3 1/2" .45	✓
Solid Floors, thickness and spacing	50" x .56" @ 33"	✓	Spacing	THROUGH.	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	" " HALF.	9.3 1/2" .475	✓
Bracket Floors, breadth and thickness at middle line	—	✓	EVERY FRAME	—	✓
" " breadth and thickness at margin plate	—	✓	Bridge Deck, Angle, [ or ]	200.75.10	✓
			Spacing	27 1/2"	✓
			Forecastle Deck, Angle, [ or ]	9.3 1/2" .475	✓
			Spacing	EVERY FRAME	✓



# 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>	ONE ROW F.D. WITH 3 ROW GIRDESS		Stringer Plate, breadth and thickness in way of Bridge .....	.34	FORE HOLD ✓
" in 'tween Decks, Size and Spacing.....	2 ROW IN ENG. RM. ✓		Thickness of Plating abreast Deck openings in way of Wells .....	.36	ENG. RM. ✓
" " " " " "	SEE APPD PLANS.		Thickness of Plating abreast Deck openings in way of Bridge .....		
" in Holds " " " "			Thickness of Plating within line of openings...		
" " " " " "			If Sheathed, material and thickness .....	NO.	✓
<b>Centre Line Bulkhead.</b>			<b>Third Deck. BOILER ROOM ONLY</b>		
Stiffeners and Spacing.....	2 LONG. O.T.B. ✓		Stringer Plate, breadth and thickness.....	.42	✓
Plating, thickness of .....			If Plated, state thickness.....	.42	✓
<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	78 x .84 ✓		If Plated, state thickness .....		
" " " " in way of Bridge			<b>Poop Deck.</b>		
" Angle in Wells .....	200 200 20 ✓		Stringer Plate, breadth and thickness .....	68" x .64 ✓	
Thickness of Plating abreast Deck openings in way of Wells .....	.76 + .80 SEE PLAN ✓		Plating, Sheathing, material and thickness ...	.64, 1 1/2 O.P. IN ACCOMMODATION.	
Thickness of Plating abreast Deck openings in way of Bridge .....			<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....	.36 ✓	
If Sheathed, material and thickness .....	NO ✓		Plating, Sheathing, material and thickness ...	.30, 2" O.P. IN ACCOMMODATION	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	51" x .38 FORE HOLD. .40 ENG. RM. ✓		Stringer Plate, breadth and thickness.....	36 x .38 ✓	
			Plating, Sheathing, material and thickness ...	36, NONE ✓	

# SHELL PLATING.

SCANTLINGS.						RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled? NO.		No. of Rows of Rivets.		RIVETS.	
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.		SINGLE OR DOUBLE.	RIVETS. Diam. Inches. Spacing cr. to cr. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.
FLAT PLATE KEEL .....	55	.92	.82	.82	✓	DOUBLE	1" 4"	✓	5	1"	4 1/2
" DBLG. (if any)	-	-	-	-		-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes ...4.....	A.C.D. B	.74 .82	.58 .52 .58	.54 .56	✓	DOUBLE	7/8 3 1/2	✓	5	1"	4 1/2
BILGE PLATING, No. of Strakes ...2.....	E.F.	.74	.52	.54	✓	"	7/8 3 1/2	✓	5	1"	4 1/2
SIDE PLATING, No. of Strakes ...3.....	G.H.J	.66	.50	.52 .50	✓	F-G TREBLE G-H H-J	7/8 3 1/2	✓	4	7/8	3 1/2
UPPER DECK, Sheer-strake in Wells.....	54"	1.12	.62	.50	✓	DOUBLE	1 1/8 4 1/2	✓	5	1 1/8	5 1/6
UPPER DECK, Sheer-strake in Bridge ...											
STRAKE BELOW Sheer-strake in Wells.....	72"	.92	.50	.50	✓	DOUBLE	1" 4"	✓	5	1"	4 1/2
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING .....		.66		.42	✓	DOUBLE	7/8 3 1/2	✓	4	7/8	3 1/2
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING			.44		✓	SINGLE	3/4 3	✓	2	3/4	2 5/8

# WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 10 O.T.B. (EX. EXTRA COFF. B.HDS. 2 W.T.B. ✓)

Extending to Upper Deck (Sec. 3 c) — ALL ✓

" Deck next below — 12 B.H. ✓

As per Rule. EIGHT. ✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Uppertween decks					
" " Second "		OIL TIGHT BULKHEADS. ✓			
" " Third "		SEE APPROVED PLAN			
" " Holds .....					
COLLISION " (in Hold) .....	26-52	150.76.85	9.3 1/2 47.5	24	SEE PLAN ✓
AFTER PEAK " " .....	28-52	250.90.90 1/45	8 3/2 45	24	SEE PLAN ✓

# FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>	-			
<b>STEM .....</b>	CAST STEEL + FASHION PLATE SEE PLAN ✓		MITSUBI BUSSAN KAISHA.	
<b>STERN FRAME</b> { Propeller Post .....	CAST STEEL		JAPAN STEEL WORKS	
{ Rudder " .....	SEE APPD. PLANS. ✓			
<b>RUDDER—A x D.....</b>	551 ✓			
<b>Speed of Vessel.....</b>	16 KNOTS. ✓			
<b>RUDDER</b> mainpiece at head ...	C.S. SEE APPD. PLAN ✓		JAPAN STEEL WORKS.	
" " heel ...				
" how constructed .....	OERTZ TYPE ✓			
" double or single plate	DOUBLE PLATE ✓			
" coupling, vertical or horizontal .....	SCARPH ✓			

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH.

STEEL. ASANO SHIPBUILDING & PLATE MILL CO., KAWASAKI DOCKYARD CO. LTD. FUKUI PLATE & SHEET MILL, THE NIPPON STEEL TUBE CO. & NIPPON SEITETSU KABUSHIKI KAISHA.

Has the Steel been tested as required by the Rules? YES.

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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.)

Rpt. 1\*.

PARTICULARS OF LONGITUDINAL FRAMING. "OMROSAN MARU"  
TAMA S. NO. 212

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. Spacing.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter. Inches.
Framing of $\frac{1}{2}$ , L & C																
Frames in Bridge 'tween Decks...																
Frames from Uppermost Continuous Deck																
No. 1	8	3 1/2	45 5	✓									7/8 5 1/4	5 1/4"	8	7/8
" 2	"	80		✓									80	"	80	
" 3	"	80		✓									80	"	80	
" 4	9	3 1/2	47.85	✓									80	"	9	7/8
" 5	230	90 90	10 5	✓									80	"	10	"
" 6	250	90 90	10 5	✓									7/8 5 1/2	10 RIVETS 4"	11	"
" 7	"	80		✓									80	80	11	"
" 8	"	80		✓									80	80	80	
" 9	"	80		✓									80	80	80	
" 10	300	90 90	10.5 13	✓									80	10 RIVETS 3/8	12	7/8
" 11	"	80		✓									80	80	80	
" 12	"	80		✓									80	80	80	

J.E.S. CHANNELS

TRANSVERSE SYSTEM.

ITIED AS APPROVED

TRANSVERSE SYSTEM

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	57	57	45	18
Qu.	1	2	1	1
LBS	8	17	27	27
SURVEYOR	C. M.	C. M.	C. M.	C. M.
NO. OF CERT.	1159	1158	1164	1165
DATE OF TEST.	10-9-35	22-8-35	20-11-35	15-6-35

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 150.1 ft., R.Q.D. ft., Bridge ft., Forecastle 42.4 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book). 1 DECK & 2ND DECK CLEAR OF OIL TANKS.

Official No. 42630 ; Signal Letters J. G. R. L Is bottom of Vessel coated with cement PART. CEM. if not give particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,		35 cu ft/ton	Fore peak tank,	27	100
Double bottom, under Engines and Boilers,	19~53	93	After peak tank,	20	71
Double bottom, if under Engines only,		283	Deep tank, aft, F.O. TANKS. 53~55	18	1133
Double bottom, if under Boilers only,			Deep tank, forward, RES. F.O.T. 96~112	32	132
Double bottom, forward,			Other tanks, if fitted, DITTO 85~96	25	184
* INCLUDES F.O. & FEED WATER TANKS BUT EXCLUDES ALL SMALL TANKS.			(If necessary, furnish further information by sketch.)		
Total capacity of double bottom			283		

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 37

Date 17-11-34

Dates of Surveys held while building

1936:- APRIL 28. MAY 28. JUNE 10, 22 JULY 28, 29 AUG. 6, 10, 12, 22,  
SEPT. 7, 11, 14, 18, 22, 24, 25, 28, 29, 30, OCT. 1, 2, 3, 5, 7, 8, 12, 13,  
14, 15, 28, NOV. 17, DEC. 22, 26.  
1937:- JANU. 8, 12, 15.

Total No. of Visits 37



Rpt. 1\*.

## PARTICULARS OF LONGITUDINAL FRAMING. "OMROSAN MARU"

TAMA S.No. 212

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. Ins. Ins.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.			
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Number.	Diameter. Inches.						
Framing of <del>E, L &amp; E</del> <sup>4</sup> <del>E</del> .....																			
Frames in Bridge 'tween Decks ...																			
Frames from Uppermost Continuous Deck																			
No. 1		8	3 1/2	45	✓									7/8 5/4	5 1/4"	✓	8 7/8		
" 2		"	80		✓									80	"	✓	80		
" 3			80		✓									80	"	✓	80		
" 4		9	3 1/2	47.8	✓									80	"	✓	9 7/8		
" 5		230	90 90	10 5	✓									80	"	✓	10 "		
" 6		250	90 90	10 6 5	✓									7/8 5/2	10 RIVETS 4"	✓	11 "		
" 7			80		✓									80	80	✓	11 "		
" 8			80		✓									80	80	✓	80		
" 9			80		✓									80	80	✓	80		
" 10		300	90 90	10 5 13	✓									80	10 RIVETS 3 1/8	✓	12 7/8		
" 11			80		✓									80	80	✓	80		
" 12			80		✓									80	80	✓	80		
" 13		300	90 90	12 15 5	✓									80	80	✓	80		
" 14																			
" 15																			
" 16																			
Spacing of Longitudinal Frames		Amidships			At Ends														
		3 1/2"			✓			✓			✓								
Double Bottoms		Tank Top Longitudinals																	
<del>E, L &amp; E</del>		Bottom						AS FITTED											
Spacing of Longitudinals		380			100			13			20								
		32 1/2			✓														
Transverses.																			
In Bridge		Depth and Thickness			TRANSVERSE SYSTEM														
'tween Decks		Face Angles																	
		Lugs to Shell*																	
In Upper 'tween Decks.		Depth and Thickness																	
		Face Angles																	
		Lugs to Shell*																	
In Hold.		Depth and Thickness			37x.46														
		Face Angles			9+3 1/2 +47 5/5														
		Lugs to Shell*			150 150 12 +														
		Brackets			90 90 13 BACK ANGLE														
Spacing of Transverse Frames		37x.42 +.44 TOP																	
		45x.45 +.46 BOT																	
		9'-3"																	
		* State if joggled or liners.																	
Longitudinal Beams of		Bridge Deck																	
<del>E, L &amp; E</del>		Upper			8x3 1/2 +.45 BH			TRANSVERSE			AS FITTED			Transverse Beams.					
		Second												31"x.44 9.3 1/2 .475 B.H.					
		Third												AS FITTED					