

## STEEL STEAMER or MOTORSHIP.

Received at London Office 25 JUL 1927

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

Port of

KOBE

No. 5767

Survey held at

OSAKA

Date First Survey

JULY 7<sup>TH</sup> 1926

Last Survey

JUNE 18<sup>TH</sup> 1927

On the

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

SINGLE SC. MOTORSHIP "CHOKO MARU"

(MACH<sup>Y</sup> AMIDSHIPS)

State Type

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

FULL SCANTLING

State Type of Erections

P.B.F

TONNAGE under Tonnage Deck

1904.89

CLASS  $\times$  100 A.I.

State if with freeboard as condition of Class

No

Built at OSAKA

(SAKURAJIMA YARD)

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)

L 284.5

Breadth (greatest moulded)

B 45.5

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

D 23.0

Total

1904.89

Gross Tonnage

2613.47

Register Tonnage

1375.43

1st Longitudinal Number (L x D) = 6543.50

2nd Numeral L x (B + D) = 19488.25

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

12.35 IN HOLD 20.0 IN ER.

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

12.37

Do. Long Bridge to top of keel

9.25

Draught Moulded

19.88

Launched 7/4/27

Yard No. 1095

Builders OSAKA IRON WORKS LTD

Owners OSAKA SHOSSEN KAISHA

Managers

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

Residence OSAKA

Port of Registry OSAKA

If surveyed while building, afloat, or in dry dock

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	24"	✓	Bracket Floors, Frame	6"x31/2"x3"x437"	7"x31/2"x42BA
" " from 1/2 length to Collision bulkhead	24"	✓	" " Reversed Frame	6"x31/2"x3"x437"	61/2"x3"x42BA
" " in peaks	24"	✓	" " Vertical Struts	6"x31/2"x3"x437"	7"x3"x34BA
SIDE FRAMING.			Centre Girder, depth and thickness amidships	36"x46"-38"	✓
Frame Amidships, Angle, [ or ]	180 75 105 7"x3"x42BA	✓	" " top Angles	DOUBLE 3" 3" 7/16"	3"x3"x42"-40"
" " Extends up to	UPPER Dk. IN HOLDS ER	✓	" " bottom Angles	DOUBLE 3 1/2" 3 1/2" 1/2"	3 1/2"x3 1/2"x48-44"
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	ONE 34" TWO ADDITIONAL ER	✓
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	27"x40" IN ER 25"x40" IN HD	✓
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2" 3 1/2" 7/16"	3 1/2"x3 1/2"x42
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2" 3 1/2" 7/16"	3 1/2"x3 1/2"x42
" " Second 'tween Decks, Angle, [ or ]			" " Gussets, spacing and scantling abaft 1/2 len. from stem	37 PLATE EVERY 5 <sup>TH</sup> FRAME	✓
" " Third " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	37 PLATE EVERY 3 <sup>RD</sup> FRAME	✓
Framing in Peaks, Angle, [ or ]	FORE & AFT 6"x31/2"x3"x437"	6"x3"x44BA	Tank Side Brackets, height above base line at toe of Frame and thickness	54"x37"	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/4" (see note on page 2)	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	YES	✓	Breadth and thickness of Middle Line Strake	46"x42"-36"	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	SIDE STRINGER & DEEP FRAMES	✓	Thickness of remainder in Holds	36"-34"	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	SOLID FLOORS EVERY FR. FOR 3/4 L	✓	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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	200 75 12-9.5 8"x3"x34"-46"	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [ or ]	200 75 10.5 9.5 8"x3"x34"-42"	
Middle Line Keelson, on Floors, Angles, [ or ]			Spacing	ALTERNATE FR'S	✓
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [ or ]	200 75 13 12.5 9"x3"x52"	
" " Foundation Plate on Floors			Spacing	ALTERNATE FR'S	✓
" " 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 ]	200 75 9.5-12 160 70 8.5 6 1/2"x3"x36"	
Solid Floors, thickness and spacing	42 W.T. FLOORS 34 EVERY 3 <sup>RD</sup> FR	✓	Spacing	ALTERNATE FR'S	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	Bridge Deck, Angle, [ or ]	200 75 9.5 10.2 8"x3"x34"-40"	
Bracket Floors, breadth and thickness at middle line	27"x34"	✓	Spacing	ALTERNATE FR'S	✓
" " breadth and thickness at margin plate	27"x34"	✓	Forecastle Deck, Angle, [ or ]	200 75 9.5 8"x3"x38"	
			Spacing	ALTERNATE FR'S	✓

W1331-0050 1/2



## 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>							
"    in 'tween Decks, Size and Spacing.....							
"    "    "    "    "    "							
"    in Holds    "    "							
"    "    "    "    "    "							
<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	46"	54"	✓				
"    "    "    "    in way of Bridge	46"	34"	✓				
"    Angle in Wells .....	130	130	13.5	5" x 5" x 54"			
Thickness of Plating abreast Deck openings in way of Wells .....	34"		✓				
Thickness of Plating abreast Deck openings in way of Bridge .....	30"		✓				
Thickness of Plating within line of openings...	34" x 30"		✓				
If Sheathed, material and thickness .....	3" O.P.		✓				
<b>Second Deck.</b>							
Stringer Plate, breadth and thickness in Wells...	70"	38"	✓				
Stringer Plate, breadth and thickness in way of Bridge .....	70"	38"	✓				
Thickness of Plating abreast Deck openings in way of Wells .....	34"		✓				
Thickness of Plating abreast Deck openings in way of Bridge .....	30"		✓				
Thickness of Plating within line of openings...	34" x 30"		✓				
If Sheathed, material and thickness .....	3" O.P.		✓				
<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 .....	28"	32"	✓				
Plating, Sheathing, material and thickness ...	30 PLATE	3" WOOD SH	✓				
<b>Bridge Deck.</b>							
Stringer Plate, breadth and thickness.....	46"	40"	✓				
Plating, Sheathing, material and thickness ...	34 PLATE	3" WOOD SH	✓				
<b>Forecastle Deck.</b>							
Stringer Plate, breadth and thickness.....	28"	32"	✓				
Plating, Sheathing, material and thickness ...	30 PLATE	3" WOOD SH	✓				

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	45	60	60	56	✓	DOUBLE	2" 8	3 1/2	3	7 8	3 1/8	LAPPED	
„ DBLG. (if any)					✓								
BOTTOM PLATING, No. } of Strakes ...3.....		48	48	40	✓	DOUBLE	3/4	3	3 TO 2	3/4	2 5/8	LAPPED	
BILGE PLATING, No. of } Strakes .....1.....		48	48	40	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of } Strakes .....2.....		48	40	40	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer- } strake in Wells...1.	76	62	40	40	✓	"	7/8 3/4	3 1/2 3	4 TO 2	7/8	3 1/8	✓	"
UPPER DECK, Sheer- } strake in Bridge ...	76	82 ENDS			✓	"	3/4 1" 21	3 1/4	3 TO 4	3/4 1	2 5/8 4	✓	"
STRAKE BELOW Sheer- } strake in Wells.....	76	48	40	40	✓	"	3/4	3	3 TO 2	3/4	2 5/8	✓	"
STRAKE BELOW Sheer- } strake in Bridge ...	76	48			✓	"	3/4	3	3 TO 2	3/4	2 5/8	✓	"
POOP SIDE PLATING .....				34	✓	SINGLE	5/8	2 1/2	1	5/8	2 1/4	✓	"
BRIDGE SIDE PLATING ...		48			✓	DOUBLE	3/4	3	3	3/4	2 5/8	✓	"
FOREC'TLE SIDE PLATING			36		✓	SINGLE	5/8	2 1/2	1	5/8	2 1/4	✓	"

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c) .....	4
"    Deck next below .....	1
As per Rule .....	4

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D, Upper tween decks</b>	26	54 x 3 1/2"	27-30	✓	✓
"    "    Second .....					
"    "    Third .....					
"    "    Holds .....	FR. 82	42 x 28	6 x 3 x 30 CHANNEL	29 1/2	✓
<b>COLLISION</b> .....		38 x 30	6 1/2 x 3 x 42	24	✓
<b>AFTER PEAK</b> .....		56 x 30	6 x 3 x 36	24	✓

## 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>	UPPER FS LOWER CS	8 x 24	FS. B.H.O.I.W. CS. BY SUMITOMO S.W.	
<b>STERN FRAME</b> { Propeller Post .....	CAST	9 x 5 1/2	SUMITOMO	✓
{ Rudder .....	STEEL	8 x 5 1/2	STEEL WKS	✓
<b>RUDDER—A x D .....</b>		257.0		✓
<b>Speed of Vessel .....</b>		13 KNOTS		✓
<b>RUDDER mainpiece at head ...</b>	FORGING	8" dia	O.I.W.	✓
"    "    heel ...	"	6" dia	O.I.W.	✓
how constructed .....		BUILT UP	WITH ARMS SURUNKY KEYS	
double or single plate		SINGLE		
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)

Yawata Steel Co Japan. Steel Co of Scotland, Mannesmannröhrenwerke G.m.b.H. Steel Phoenix A.G., Hoerder Verein, &amp; A. Thyssen Hütte, Hamborn Germany

Has the Steel been tested as required by the Rules?

Yes

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Lloyd's Register Foundation



EQUIPMENT No. 21,177										LETTER <u>E</u>		ANCHORS.							
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.				
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.								
88506	1st Bower	42	2	7				37	11	3	14		HALL'S C.S. HEAD	N. HINGLEY & SONS LTD	L.P.H.-N. 23-9-26 L.H.W.				
88505	2nd "	42	2	0				37	10	0	0		" "	" "	" " " "				
88501	3rd "	36	1	7				33	7	0	21		" "	" "	" " 30-9-26 H.G.				
	Collective weight.	121	1	14								119.5							
88511	Stream	11	0	18	2	3	16	13	2	2	0	11.	ORDINARY F.W.I.	" "	" " 30-9-26 L.H.				
CHAIN CABLES.												HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Stations.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.					Length.	Ins.		Length.	Ins.
1474	241	1 7/8	63-25	88.5	434-1-2	425-25	240	1 7/8	17	STD LINK	OSAKA CH. WORKS	O.T.P.H. OSAKA 3/2/27. Y.J.	TOWLINE	100	4"	56	100	4"	
													HAWSERS & WARPS	90	3"				
														90	2 3/4"				
														90	6"				
														90	7"				
Iron Stream Chain or Steel Wire	75	4 1/4		59				75	4 1/4	SPEC FLEX	TOKIO SEIKOKU OSAKA P.H.								
Steering Gear, Steam <u>ELECTRIC HYDRAULIC MADE BY BROWN &amp; EDWARDS</u> Steering Gear, Hand <u>BLOCK &amp; TACKLE</u>																			
Boats <u>4 @ 26'0" x 2 @ 22'0"</u> Steering Chains, Size and Test <u>✓</u> Windlass <u>ELECTRIC (CLARK CHAPMAN)</u>																			
Ceiling in Holds, thickness and material <u>2 1/2" O.P.</u> Cargo Battens, thickness, material and spacing <u>6 x 2" WOOD x 13" SPACING</u>																			
Cargo Hatchways.-(Upper Deck) <u>STEEL PLATE &amp; ANGLES 44 PLATE x 27" DEPTH</u> Thickness of Hatches <u>2 1/2" WOOD</u>																			
Size of No. 1 Hatchway (Forward) <u>16'0" x 14'0"</u> No. 2 <u>22'0" x 16'0"</u> No. 3 <u>20'0" x 16'0"</u> No. 4 <u>16'0" x 16'0"</u> No. 5 <u>✓</u> No. 6 <u>✓</u>																			
Number of Shifting Beams <u>Two in No. 1 &amp; 4 HATCHES &amp; THREE in No. 2 &amp; 3 HATCHES.</u> <u>3 x 3 ANGLE 4 x 2 1/2" 33 PLATE x 15 1/2" AT CENTRE</u>																			
OKAKA IRON WORKS, LTD., Builder's Signature <u>[Signature]</u>																			
GENERAL DECLARATION This vessel has been constructed under special survey, in accordance with Rule requirements & amended approved plans. The materials have been tested found efficient, & the workmanship throughout is good. All double bottom, peak & fresh water tanks & cofferdams have been tested with a head of water to weather decks, decks, bulkheads, & shaft tunnel have been hose tested, & found good & tight. Downton pump, & hand pumps to peak stores tested & found good & efficient. The requirements of section 35 of the Rules have been complied with. This vessel is, in my opinion, eligible for the notation "Fitted for oil fuel 6-27 (F.P. above 150°F)" "part exempt" & Lloyd's A.C.P. & date of build 6-27 in the Register Book.																			
The amount of Entry Fee ..... <u>£63-</u> Fees applied for, <u>18-6-1927</u> Special Survey Fee.... <u>£3228 00</u> Received by me, <u>[Signature]</u> <u>FREE BOARD Fee £120 00</u> <u>8.10.27</u> Travelling Expenses, if any <u>£270.-</u> INCLUDING MACH. <u>500</u> State whether the Vessel has been built under Special Survey <u>YES</u> Signature <u>A.D. Buchanan</u> Certificate to be sent to <u>Kobe</u> Date of issue <u>29/7/27</u> Surveyor to Lloyd's Register of Shipping.																			
Committee's Minute <u>FRI. 29 JUL 1927</u> Character assigned <u>+ 100 A.I.</u> <u>Lloyd's A.C.P.</u> <u>Oil Engines</u> <u>DB 100 lb.</u> <u>[Signature]</u>																			



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 Vessel M.S. "CHOAN MARU" Kobe Report N<sup>o</sup> 5665.  
Plans forwarded herewith:- (1) Midship Section of ship as built  
(2) Construction profile & deck plan.  
also copies of the principal forging & casting certificates forwarded herewith

Particulars of Drop Test of Cast Steel Anchors, viz. :- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 23-3-22, D.D.W. 88506 20/7/26
	2nd " 23-3-20, D.D.W. 88505 20/7/26
	3rd " 21-1-24, D.D.W. 88501 16/9/26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28.6 ft., R.Q.D. ☒ ft., Bridge 102 ft., Forecastle 35.84 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) 2 STEEL DKS.

Official No. 32737 ; Signal Letters T. K. C. W. Is bottom of Vessel coated with cement *part cement* 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,	78 ✓	108.5 W.	Fore peak tank,	15.2	24.15 F.W.
Double bottom, under Engines and Boilers,	50 ✓	149.5 W.	After peak tank,	11.1 <del>10.0</del>	12.10 F.W.
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	106 ✓	121.28 SW.	Other tanks, if fitted, <i>At aft end of E.R. F.W. Tks</i>	8.0	75.4 F.W.
		Total capacity of double bottom 378.28	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 18

Date 23/2/26

Dates of Surveys held while building

July 7, 13, Oct 6, Nov 4, Dec 2, 6, 8, 15, 22, 23. — 1926  
Jan 11, 18, 20, 22, 24, 26, 28 Feb 1, 3, 5, 9, 15, 18, 23, 25, March 1, 2, 4, 7, 8, 10, 12, 15, 17, 19, 22, 23, 28, 31.  
April, 2, 4, 7, 12, 15, 22, May 2, 4, 5, 6, 10, 12, 14, 16, 23, 27, 30, June, 1, 7, 9, 13, 14, 15, 18 — 1927

Total No. of Visits 63