

STEEL ~~STEAMER~~ or MOTORSHIP.

Received at London Office 21 MAY 1927

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

State if Report is sent on the Machinery of the Vessel 7/6.

Date of completion of report

7th April 1927.

Port of Kobe.

No. 5665.

Survey held at

Harima.

Date First Survey

15th January 1926.Last Survey 6th April

1927.

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

Single Screw Motorship

"CHOAN MARU."

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

Full Scantling.

State Type of Erections Poop, Bridge, Fore

TONNAGE under Tonnage Deck

1899

CLASS 100 A1

State if with freeboard as condition of Class No

Built at Harima.

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 284.50

Breadth (greatest moulded) B 45.50

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 23.00

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) 20.00

Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.37
Do. Long Bridge to top of keel 9.30

Draught Moulded 19.92

Launched 18/12/26 Yard No. 123.

Builders Kobe Steel Works Harima Dockyard.

Owners Osaka Shosen Kaisha.

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

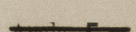


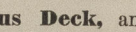
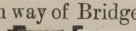

Residence Osaka.

Port of Registry Osaka.

If surveyed while building, afloat, or in dry dock

7/6.

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	7 1/2" x 3 1/2" x 36"	
" " from 1/2 length to Collision bulkhead	24"		" " Reversed Frame	7" x 3" x 36"	
" " in peaks	24"		" " Vertical Struts	- 40 -	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	36" x 46"	
Frame Amidships,  Holds 7 1/2" x 3" x 36" (8.42 in BUNKER) 10" x 3 1/2" x 50" 10" x 3 1/2" x 40"			" " top Angles	3" x 3" x 43"	
" " Extends up to 2 nd Deck.			" " bottom Angles	3 1/2" x 3 1/2" x 46"	
INTERMEDIATE FRAMES 1/2 L ABFT STEM ANGLE			Side Girders, No. each side and thickness	ONE: 34" x 38"	
Reversed Frame Amidships, Angle	5" x 3" x 30"		Margin Plate depth (excl. of flange) and thickness 25" x 40" 27" x 40" (ER)		
" " Extends up to 1 st Deck.			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3" x 3" x 34" x 38"	
Depth of Framing Girder	10" x 7 1/2"		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	5" x 5" x 36"	
Frames in Uppermost Continuous 'tween Decks, 	6" x 3" x 30"		" " Gussets, spacing and scantling abaft 1/4 len. from stem	3 3 34 Every 5 th FRAME	
" " Second 'tween Decks, Angle, [or [" " Gussets, spacing and scantling forward 1/4 len. from stem	3" x 3" x 36" Every 3 rd FRAME	
" " Third " " "			Tank Side Brackets, height above base line at toe of Frame and thickness	53 1/2"	
Framing in Peaks, 	6 1/2" x 3" x 30"		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" x 5 1/4"		Breadth and thickness of Middle Line Strake	46" x 1/2" x 36" (ENOS)	
State if Frame Joggled	YES.		Thickness of remainder in Holds	36" x 3/4" (ENOS)	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	STRANGERS + DEEP FRAMES. 9" x 3" x 44"		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & D.B. space and framing in Bunkers and Boiler Room?	YES.	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	SOLID FLOORS EVERY FRAME EX 3/4 L		BEAMS.		
SINGLE BOTTOM.			* Uppermost Continuous Deck, amidships in Wells, 	8" x 3" x 36" x 34"	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, 	8" x 3" x 38"	
Height of Brackets at side above base line at toe of frame			Spacing	48"	
Middle Line Keelson, on Floors, Angles, [or [Second Deck, amidships, 	7" x 3" x 34"	
" " Through Plate or Intercoastal Plate			Spacing	24"	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, [or [
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, [or [
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, [or [7" x 3" x 30"	
DOUBLE BOTTOM.			Spacing	48"	
Solid Floors, thickness and spacing	EVERY 3 rd FRAME IN HOLDS 34" " FRAME " ER.		Bridge Deck, Angle, [or [8" x 3" x 38"	
" " Are Frame and Reversed Frame joggled?	FRAME ONLY.		Spacing	48"	
Bracket Floors, breadth and thickness at middle line	27" x 34"		Forecastle Deck, Angle, [or [8" x 3" x 34"	
" " breadth and thickness at margin plate	- 40 -		Spacing	48"	

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.
PILLARS, No. of Rows.....									
" in 'tween Decks, Size and Spacing.....									
" " " " " "									
" in Holds " "									
" " " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing.....									
Plating, thickness of									
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	46"	54"	48"						
" " " " in way of Bridge	46"	34"							
" Angle in Wells	5"	5"	54"						
Thickness of Plating abreast Deck openings in way of Wells	34"	32"							
Thickness of Plating abreast Deck openings in way of Bridge	34"								
Thickness of Plating within line of openings...	30"								
If Sheathed, material and thickness	3" OP.								
Second Deck.									
Stringer Plate, breadth and thickness in Wells...	46"	34"							
Stringer Plate, breadth and thickness in way of Bridge	46"	34"							
Thickness of Plating abreast Deck openings in way of Wells	34"	32"							
Thickness of Plating abreast Deck openings in way of Bridge	34"								
Thickness of Plating within line of openings...	30"								
If Sheathed, material and thickness	3" OP.								
Third Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
Fourth Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness	28"	32"							
Plating, Sheathing, material and thickness	30"	3" OP.							
Bridge Deck.									
Stringer Plate, breadth and thickness.....	46"	34"							
Plating, Sheathing, material and thickness	30"	3" 21" OP.							
Forecastle Deck.									
Stringer Plate, breadth and thickness.....	28"	32"							
Plating, Sheathing, material and thickness	30"	3" OP.							

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	Spacing or, to cr.			Diam.	Spacing or, to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	45'	.60	.56	.56		DOUBLE	7/8"	3 1/16"	3	7/8"	3"	LAPPED.
" DBLG. (if any)						- do -	3/4"	3"	3	3/4"	2 5/8"	- do -
BOTTOM PLATING, No. of Strakes ... 3	66	.48	.48	.40		- do -	- do -	- do -	3 1/2	- do -	- do -	- do -
BILGE PLATING, No. of Strakes ... 2	60	.48	.62	.40		- do -	3/4"	- do -	- do -	3/4"	- do -	- do -
SIDE PLATING, No. of Strakes ... 7	65	.48	.62	.40		SINGLE	7/8"	3 7/16"	- do -	7/8"	3"	- do -
UPPER DECK, Sheer-strake in Wells.....	48	.62	.40	.40		DOUBLE	7/8"	3 7/16"	3	7/8"	3"	- do -
UPPER DECK, Sheer-strake in Bridge ...	48	.48	.40	.40		SINGLE	3/4"	3"	3	3/4"	2 5/8"	- do -
STRAKE BELOW SHEER-strake in Wells.....	48	.56	.40	.40		DOUBLE	7/8"	3 7/16"	3	7/8"	3"	- do -
STRAKE BELOW SHEER-strake in Bridge ...	48	.48	.40	.40		SINGLE	3/4"	3"	3	3/4"	2 5/8"	- do -
POOP SIDE PLATING34		- do -	5/8"	2 1/2"	1	5/8"	2 3/16"	- do -
BRIDGE SIDE PLATING48				- do -	3/4"	3"	3	3/4"	2 5/8"	- do -
FORECASTLE SIDE PLATING			.36			- do -	5/8"	2 1/2"	1	5/8"	2 3/16"	- do -

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c)..... 4

 " Deck next below

As per Rule..... 4

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	NO 82	30" x 28"	5' x 3' x 34"	36"	
" Second	NO 52	28" x 26"	5' x 3' x 34"	36"	
" Third	NO 82	42" x 30"	7' x 3' x 38 1/4"	29 1/2"	
" Holds	NO 52	34" x 30"	8' x 3' x 40 3/4"	32 1/2"	
COLLISION		44" x 36"	6' x 3' x 36"	24"	
AFTER PEAK		44" x 36"	5' x 3' x 36"	24"	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	FORGING	9" x 2 1/2"	K.S. Wks.	
STERN FRAME { Propeller Post	CAST STEEL	9" x 5 1/2"	- do -	
{ Rudder	"	8" x 5 1/2"		
RUDDER—A x D.....		257.0		
Speed of Vessel.....		13 KNOTS.		
RUDDER mainpiece at head	FORGING.	8" Diam	- do -	
" " heel		6" "		
" how constructed		BUILT.		
" 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) *Open Hearth.*
Kawasaki Dockyard Co. Yamata, - Doman Long, Steel Co of Scotland. Gutehoffnungshutte AG.

Has the Steel been tested as required by the Rules? *Yes.*

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.				
84	1st Bower ...	42	0	8				37	4	1	14	42	STOCKLESS	Kase ST. Wks.	K.S.W.P.H. 22/10/24 YJ.
21	2nd „ ...	42	0	5				37	2	2	0	42	do	do	27/10/26 "
85	3rd „ ...	36	1	17				33	8	3	0	35 1/2	do	do	8/11/24 "
	Collective weight.	120	2	2								119 1/2			
08	Stream	11	0	27	3	0	15	13	2	2	0	11	STOCK.	MURKHAM LTD.	O.P.H. 3/11/26 YJ.

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.	Statutory.	Break-ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
459	242	17/8	63½	88½	439.	1	17	425¼	240	17/8	STUD LINK.	OSAKA CHAIN WKS.	OTPH 29.11.26	45.	100	4"	53.7	100	4"
													21.12.26		90	3	27.93	90	2½
															90	2¾	25.93	90	2½
In Stream Chain or Steel Wire)	75	Cir. 4½	35.	63.56					75	Cir. 4½			OTPH 21.1.27.	400.		24-90	7"	Mainline.	
																24-90	6"	"	

Steering Gear, ~~Electro~~ { See deck certificate of 12/5/36.
Electro Hydraulic "Rapsom" T/PE. (Brown Edison) Steering Gear, Hand Black & Kaskli

Boats 446 20/4. 22 22/4. Steering Chains, Size and Test ✓ Windlass Electric. (Wheeler Chapman)

Ceiling in Holds, thickness and material 2 1/2" OP. Cargo Battens, thickness, material and spacing 6 x 2" OP x 13" center.

Cargo Hatchways, — (Upper Deck) *Steel plate + angles.* $\cdot 44" \times 2'-6"$ Thickness of Hatches $2\frac{1}{2}"$

Size of No. 1 Hatchway (Forward) $16' \times 14' \times 2'-6"$ No. 2 $22' \times 16' \times 2'-6"$ No. 3 $20' \times 16' \times 2'-6"$ No. 4 $16' \times 16' \times 2'-6"$ No. 5

Number of **Shifting Beams** and/or **Fore** and **Afters** 4 at 14" x .32. Angles $3\frac{1}{2} \times 3 \times .42$ "

Builder's Signature

J. McKinnis Steel Works

GENERAL DECLARATION. This vessel has been constructed under Special Survey & in accordance with the Rule requirements & approved plans, & the materials & workmanship are found to be good.

The Double Bottoms, Weather decks, Bulkheads & Tunnel plating have been tested according to Rule & found satisfactory.

The requirements of Section 35 of the Rules have been complied with & the vessel is in my opinion eligible for the notation fitted for oil fuel 4.27, (F.P. above 150°F). "pt cen", "Lays A & C.P." with the insertions "hullless" & "Electric light". to be made in the Register Book.

The amount of Entry Fee * : 60 : - ✓ } Fees applied for,

Special Survey Fee.....\$ 3080 : 50

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

Travelling Expenses, if any * 339 : 00

Received by me,

State whether the Vessel has been built under Special Survey

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate ~~to~~ be sent to

Date of issue

Committee's Minute

TUES. 24 MAY 1927

Character assigned

Lloyd's A.C.P.

4:24

C. L.

Oil Engines

L.B. 100 U.

ms

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Lloyd's Register
Foundation

W1327-0047 $\frac{2}{2}$

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.)

The plans "AS BUILT" will be forwarded immediately upon receipt from Builders.

Particulars of **Drop Test** of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	Head only	24.1.21.75.	884.	25.8.24.
2nd "	"	24.0.10.75.	921.	16.8.24.
3rd "	"	21.1.7.75.	885.	15.8.24.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28.67 ft., R.Q.D. ft., Bridge 100.0 ft., Forecastle 37.0 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

Official No. 31572

Signal Letters

T.K.C.H.

Is bottom of Vessel coated with cement *pt cement* if not

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	106.0	108.0	Fore peak tank,	13.0	24.0
Double bottom, under Engines and Boilers,	50.0	150.0	After peak tank,	10.0	13.0
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	76.0	205.0	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted, <i>at aft end of E.R. 2 in 40 each.</i>	8.0	72.0
Total capacity of double bottom		463.0	(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. 17

Date 4/2/26

Dates of Surveys held while building

1926: Feb. 15, 18, 19, 22, 24. March 11, 30. May 4. July 13, 15, 23. Aug. 9, 11, 23. Sept. 6, 8, 10, 20, 28. Oct. 4, 5, 7, 11, 19
1927: Jan. 6, 7, 10, 14, 17, 25, 28. Feb. 5, 9, 12, 21, 28. March 1, 3, 10, 17, 22, 23, 24, 25, 28, 29, 30, 31.
Apr. 1-6.

Total No. of Visits 73