

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 March, 1927.

Port of **NAGASAKI.**

No. 1580

Survey held at NAGASAKI. Date First Survey 19th June, 1926. Last Survey 1st March, 1927. 19

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Screw Motor Vessel "C H O J O M A R U".

On the (State if Machinery fitted with and if Single, Twin or Triple Screw) Steel Screw Motor Vessel C.H.S.V.S. M.A.S.V.S.

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling Vessel. State Type of Erections Poop, Bridge, & Forecastle.

TONNAGE under Tonnage Deck...	1897.99	CLASS <b>✚100A1.</b>	State if with freeboard as condition of Class	No.	Built at <b>NAGASAKI.</b>
				FEET.	

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. 8 (1a)	L 284.50	Launched	1887 Dec. 1888. Tada No. 1
			45 50	Builders	Nagasaki Works, Mitsubishi Zosen Kaisha, Ltd.

<b>Total</b>	1897.99	<b>Breadth (greatest moulded)</b>	45.00	<b>Owners</b>	Osaka Shosen Kabushiki Kaisha.
		<b>Depth at middle of length from top of keel to top</b>	23.00		

[illegible]

Net Tonnage 1391.34 1st Longitudinal Number (L x D) 6543.50 = 6543.50 Managers " " " "  
(Where necessary to be entered in Reg. Book.)

2nd Numeral  $L \times (B + D) \dots\dots\dots = 19488.25$   
 12.25 (2nd Dk) *Residence* Osaka. Japan.

<b>REGISTERED DIMENSIONS.</b>	Framing Depth "d," at middle of length. See	20.00 (No 2nd Dk)	Ossaka	Jansen
FEET.	Sec. 3 (1d) .....			

Length	284.50	Proportions—Depth to Length—Uppermost continuous deck to top of keel .....	12.37	Port of Registry	Osaka. Japan.
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<b>Breadth</b>	45.50	Do.	Long Bridge to top of keel	9.25	If surveyed while building, afloat, or in dry dock
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23.00	Draught Moulded 19'-10 <sup>3</sup> / <sub>4</sub> "	While building.
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## 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.	
Spacing amidships .....		24				Bracket Floors, Frame .....		B.A.	7	3	.44
" from 1/2 length to Collision bulkhead.....}		24				" " Reversed Frame .....		B.A.	7	3	.34
" in peaks.....		24				" " Vertical Struts .....		B.A.	7	3	.34
LAMING.						Centre Girder, depth and thickness amidships			36	.46-	.38
Amidships, Angle <del>xx</del> [		10	3 1/2	.40	B.A.	" " top Angles .....		Double	3	3	.42-.40
" Extends up to Upper dk.						" " bottom Angles .....		Double	3 1/2	3 1/2	.48-.46
Sed Frame Amidships, Angle .....		/				Side Girders, No. each side and thickness .....		One	.34	.38	where flgd
" Extends up to...		/				Margin Plate depth (excl. of flange) and thickness .....		25 1/2	.40		
of Framing Girder .....		8	3	.36	B.A.	" " Vertical Angle to Tank side		3	3	.34	In way of 2nd dk.
s in Uppermost Continuous 'tween Decks, Angle <del>xx</del> [		5	3	.34	A.alty.	" " Bracket abaft 1/2 len. from stem .....		5	5	.38	where no 2nd dk
" Second 'tween Decks, Angle, <del>xx</del> [		/				" " Vertical Angle to Tank side		3	3	.34	5x5x.38 dk
" Third " " " "		/				" " Bracket forward 1/2 len. from stem .....		96sp:3x3x.34	where 2nd		
ng in Peaks, Angle <del>xx</del> [		6 1/2	3	.30	B.A.	" " Gussets, spacing and scantling abaft 1/2 len. from stem .....		72sp:5x5x.38	where no 2nd dk		
eter and Spacing of Rivets through Shell Plating .....		3/4	5 1/2			" " Gussets, spacing and scantling forward 1/2 len. from stem .....		48sp:3x3x.34 & 5x5x.38	where 2nd dk.		
if Frame Joggled .....		Yes				Tank Side Brackets, height above base line at toe of Frame and thickness		54	.38	.40	where no 2nd dk.
G ARRANGEMENTS (Sec. 7), state system and particulars		Deep Frame Arrgt. Frs 9x3x.44BA to 2nd & U.dk alty. fw.dk frs. 6x3x.30 B.A.alty.				INNER BOTTOM PLATING.					
STRENGTHENING OF BOTTOM FOR. RD. State Particulars .....		One additional side girder fitted. spaced 48" apart.				Breadth and thickness of Middle Line Strake ...		45	.42-	.36	
BOTTOM.						Thickness of remainder in Holds .....			.36-	.34	
s, Depth and thickness at mid-line in Holds .....						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			
Height of Brackets at side above base line at toe of frame .....											
le Line Keelson, on Floors, Angles, [ or [ .....											
" " Through Plate or Intercostal Plate... ..											
" " Foundation Plate on Floors .....											
" " Flat Plate Keel Angles .....						BEAMS.					
Keelsons, No. each side .....						Uppermost Continuous Deck, amidships in Wells, Angle <del>xx</del> [		8 1/2	3	.36	
" thickness of Intercostal Plate...						" " in way of Bridge, Angle, <del>xx</del> [		8	3	.38	
" Angles .....						Spacing .....				.48	
LE BOTTOM.						Second Deck, amidships, Angle <del>xx</del> [		8 1/2	3	.48	
l Floors, thickness and spacing .....		.34 sp. 72" .42 at WTR.				Spacing .....		9	3 1/2	.46	
" Are Frame and Reversed Frame joggled?.....		Frames on Bkt Fls only.				Third Deck, amidships, Angle, [ or [					
cket Floors, breadth and thickness at middle line.....		27	.34			Spacing .....					
" breadth and thickness at margin plate.....		28	.34			Fourth Deck, amidships, Angle, [ or [					
						Spacing .....					
						Poop Deck, Angle <del>xx</del> [		8 1/2	3	.40	
						Spacing .....				.48	
						Bridge Deck, Angle <del>xx</del> [		8	3	.38	
						Spacing .....				.48	
						Forecastle Deck, Angle <del>xx</del> [		5 1/2	3	.30	
						Spacing .....		8 1/2	3	.38	
										.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.
<b>PILLARS, No. of Rows</b> .....				<b>Widely Spaced</b>	Stringer Plate, breadth and thickness in way of Bridge .....	<b>44</b>	<b>.38</b>		
„ in 'tween Decks, Size and Spacing.....				<b>Pillars.</b>	Thickness of Plating abreast Deck openings in way of Wells .....		<b>.34</b>		
„ „ „ „ „					Thickness of Plating abreast Deck openings in way of Bridge .....		<b>.34</b>		
„ in Holds „ „					If Sheathed, material and thickness	<b>Not sheathed</b>			
„ „ „ „ „					<b>Third Deck.</b>				
<b>Centre Line Bulkhead.</b>					Stringer Plate, breadth and thickness.....				
Stiffeners and Spacing.....					If Plated, state thickness.....				
Plating, thickness of .....					<b>Fourth Deck.</b>				
					Stringer Plate, breadth and thickness.....				
					If Plated, state thickness .....				
<b>STRINGERS AND DECKS.</b>					<b>Poop Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness .....	<b>28</b>	<b>.32</b>		
Stringer Plate, breadth and thickness in Wells	<b>62</b>	<b>.56</b>			Plating, Sheathing, material and thickness ...	<b>.30</b>	<b>3" O.P.</b>		
„ „ „ „ in way of Bridge	<b>62</b>	<b>.34</b>							
„ Angle in Wells .....	<b>5</b>	<b>5</b>	<b>.56</b>		<b>Bridge Deck.</b>				
Thickness of Plating abreast Deck openings in way of Wells .....	<b>.34</b>				Stringer Plate, breadth and thickness.....	<b>48</b>	<b>.42</b>		
Thickness of Plating abreast Deck openings in way of Bridge .....	<b>.30</b>				Plating, Sheathing, material and thickness ...	<b>.30</b>	<b>2½" OP inside. 3" O.P. where exposed.</b>		
If Sheathed, material and thickness	<b>2½" OP inside 3" OP where exposed</b>				<b>Forecastle Deck.</b>				
					Stringer Plate, breadth and thickness.....	<b>28</b>	<b>.32</b>		
<b>Second Deck.</b>					Plating, Sheathing, material and thickness ...	<b>.30</b>	<b>3" O.Pine.</b>		
Stringer Plate, breadth and thickness in Wells...	<b>44</b>	<b>.38</b>							

## 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.	Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	<b>45</b>	<b>.60</b>	<b>.56</b>	<b>.56</b>		<b>Double</b>	<b>7/8</b>	<b>3½</b>	<b>3 - 3</b>	<b>7/8</b>	<b>3½</b>	<b>Lapped</b>
„ DBLG. (if any)		/										
BOTTOM PLATING, No. of Strakes <b>TWO</b> .....		<b>.48</b>	<b>.40</b>	<b>.40</b>		<b>Double</b>	<b>3/4</b>	<b>3</b>	<b>3 - 2</b>	<b>3/4</b>	<b>2 5/8</b>	<b>Lapped</b>
BILGE PLATING, No. of Strakes <b>TWO</b> .....		<b>.48</b>	<b>.40</b>	<b>.40</b>		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes .....						"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....	<b>48</b>	<b>.62</b>	<b>.40</b>	<b>.40</b>	<b>.93 at Brid Ends</b>	"	<b>7/8</b>	<b>3½</b>	<b>4 - 3 - 2</b>	<b>7/8</b>	<b>3½ &amp; 3/4</b>	"
UPPER DECK, Sheer-strake in Bridge ...		<b>.48</b>								<b>3/4</b>	<b>2 5/8</b>	
STRAKE BELOW Sheer-strake in Wells.....		<b>.56</b>	<b>.40</b>	<b>.40</b>		<b>Double</b>	<b>7/8</b>	<b>3½</b>	<b>3 - 2</b>	<b>7/8</b>	<b>3½</b>	<b>Lapped</b>
STRAKE BELOW Sheer-strake in Bridge ...		<b>.48</b>				"	<b>3/4</b>	<b>3</b>		<b>3/4</b>	<b>2 5/8</b>	"
POOP SIDE PLATING .....				<b>.34</b>		<b>Single</b>	<b>5/8</b>	<b>2½</b>	<b>1</b>	<b>5/8</b>	<b>2½</b>	"
BRIDGE SIDE PLATING ...		<b>.48</b>				"	<b>3/4</b>	<b>3</b>	<b>3</b>	<b>3/4</b>	<b>2 5/8</b>	"
FORECASTLE SIDE PLATING			<b>.36</b>			"	"	"	<b>1</b>	"	"	"

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c) <b>Four</b>					
Deck next below <b>/</b>					
As per Rule <b>Four</b>					
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Tween decks	8	.26	5x3x.30	A 30.	
"	.52-56	"	"	"	28.
"	.82-85	"	"	"	32
"	.134	"	"	"	24
"	"				
"	"				
"	"				
"	.52-56	.44-.28	9x3½x.44	BA 24	
"	"	"	7x3x.38	BA 30	
"	Holds 82-85	"	7x3x.38	BA 32½	
COLLISION	(in Hold) .134	.44-.30	6x3x.36	24	
AFTER PEAK	.8	"	"	"	"

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	/			
STEM Rolled steel.		9 x 2½		
STERN FRAME { Propeller Post	C.Stl.	9 x 5½	Mitsubishi Z.K. Nagasaki.	
{ Rudder „	C.Stl.	8 x 5½		
RUDDER—A×D.....	257			
Speed of Vessel.....	13 knots			
RUDDER mainpiece at head ...	F.S.	8	Kobe Steel Wks. Kobe.	
„ „ heel ...	F.S.	6		
„ how constructed .....	Single Plate, Forged Stl Main piece & C.S.Arms.			
„ double or single plate coupling, vertical or horizontal.....		1.00		
		22 5/8 x 18		

## STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) **Lanarkshire Steel Co.; Dorman, Long & Co.; The Steel Co. of Scotland; David Colville & Sons Ltd; Thyssen-Hütte; Phoenix Düsseldorf; Open Hearth**

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



EQUIPMENT No. 21094.60												LETTER t	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.				
746	1st Bower ...	41	3	14	Stockless			37	0	3	21	Cwts.	Union Stockless.	Dortmunder Dortmund.	14-7-26. J.Q.
745	2nd " ...	41	2	20	"			36	19	1	14		"	"	" "
744	3rd " ...	41	2	15	"			36	19	1	14		"	"	" "
	Collective weight.	125	0	21								119-10-0-0			
747	Stream .....	11	0	9	2	3	3	13	0	0	0	11-0-0	Ordinary Stock. (CS)	"	" "

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.	
			Statu- tory.	Break- ing.	Supplied.	Per Rule.		Length.	Diam.	Length.					Cir.	Length.		Cir.	
237	246	17	63.25	448-1-15	425-1-0	240	17	S.L. Carl Schlieper	Grune	12-7-26 J.Q.	TOWLIN	75	42	36					
		8	68.5				8												
Iron Stream } Chain } Steel Wire }	100	4	33								Tokio Seiko. Kokura	24-12-26							
											Makers Certificate.								

Steering Gear, Steam 1 set- "Williams Janney Brown" Electro-Hydraulic.
Steering Gear, Hand None.

Boats 4- 26 ft. Lifeboats.
2- 22 ft. Lifeboats.
Steering Chains, Size and Test /
Windlass Clarke, Chapman & Co. Electric Windlass.

Ceiling in Holds, thickness and material 2½" Pine laid on 2" Pine Battens.
Cargo Battens, thickness, material and spacing 2" O.Pine, 15" spacing.

Cargo Hatchways.-(Upper Deck) Plates & Angles & Wood Covers.
Thickness of Hatches 3" O.Pine.

Size of No. 1 Hatchway (Forward) 16'-0"x14'-0" No. 2 22'-0"x16'-0" No. 3 20'-0"x16'-0" No. 4 16'-0"x16'-0" No. 5 / No. 6 /

Number of Shifting Beams and/or Fore and Afters No.1 Hatch = 2. No.2 = 3. No.3 = 3. No.4 = 2.

Builder's Signature

NAGASAKI WORKS, MITSUBISHI ZOSEN KAISHA LTD.  
GENERAL MANAGER.

GENERAL DECLARATION This vessel has been built in accordance with the approved plans & instructions as well as with the printed rules: The materials and workmanship are good:
The Freeboard has been verified and the Freeboard Marks have been "cut in" on the vessel's side:
The Fore & After Peak Tanks, Double Bottom Tanks, Fresh Water Tanks, Weather Decks & Gutterways, & W.T.Bulkheads have been satisfactorily tested.
Plans sent under separate cover of:- Midship Section; Construction Profile & Deck Plans (2 in No.)
Alteration of W.S.P. & Girders and Web Beams; W.T.Bulkheads: Stern frame: Rudder: Engine Seating (2 in No.): Air & Sounding Pipe & Pumping Plan; and Fuel Oil Service Tank; also certificates of Castings and Forgings.

The amount of Entry Fee ..... ¥ 60:00
Special Survey Fee.... ¥ 3070:75
Measuring Ref.Cargo Space, ¥ 50:00
Travelling Expenses, if any £ : :

Fees applied for, 2. 3. 1927
Received by me, 10. 3. 1927

I am of opinion the Vessel should be Classed \*100A1.
Signature H. Crawford.
Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey Yes.
Certificate to be sent to Nagasaki.
Date of issue 3-27.

Committee's Minute FRI. 22 APR 1927
Character assigned 100 A1.
Lloyd's A.C.P.
Oil Engines

The surveyor's report must be written on or below the Committee's Minute.



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.)

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

1st Bower	Head:—	26-3-20	K.H.	746	21-6-26.
	Shank:—	14-3-22	K.H.	746	"
2nd "	Head:—	26-2-20	"	745	"
	Shank:—	15-0-0	"	"	"
3rd "	Head:—	26-2-13	"	744	"
	Shank:—	15-0-3	"	"	"
Stream Anchor:—		11-0-9	"	747	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28.7 ft., R.Q.D. -- ft., Bridge 100 ft., Forecastle 36.0 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated /

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 dks (Stl-u-ws)  
2 tiers of Beams.

Official No. 31568. ; Signal Letters T.K.C.B. If bottom of Vessel has been coated Inside / give  
particulars of composition Fore & After Peak Tanks, F.W.Tanks, Cofferdams & Wells cement washed.  
Fuel Oil Tanks not coated.

PARTICULARS OF WATER BALLAST.— All salt water in tons. except F.W.Tanks in E.Room.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	78.0	99.02	Fore peak tank,	15.8	24.7
Double bottom, under Engines and Boilers,			After peak tank,	16.7	14.0
Double bottom, if under Engines only,	50.0	142.21	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	106.0	196.73	Other tanks, if fitted, F.W.Tanks p & s in E.R.	8.0	38.1
	Total capacity of double bottom	437.96	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.  
234.0

Order for Special Survey No. 75.

Date 10th March 1926  
London.

Dates of Surveys held while building

1926.

June 19.23. July 1.2.23.28. Aug. 11.14.18.23.25.26.27. Sep. 4.15.23.30. Oct. 25.27. Nov. 1.8.12.19.26.27. Dec. 6.8.10.14.16.18.21.

1927. Jan. 19.20.27. Feb. 12.14.16.24.28. Mar. 1.

Total No. of Visits 41.