

STEEL STEAMER or MOTORSHIP.

Received at London Office 20 NOV 1928

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

YES.

Date of completion of report

24th OCTOBER 1928. Port of YOKOHAMA

No. 4231.

Survey held at

URAGA

Date First Survey

12th JAN. 1928.

Last Survey

11th OCT. 1928

On the

SINGLE SCREW STEAMER "CANTON MARU"

State Type

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

FULL SCANTLING.

No

State Type of Erections

POOP BR. + FOLE.

TONNAGE under Tonnage Deck...

2178.81

CLASS

+100 A.I.

State if with freeboard

YES

Built at

URAGA

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

632.51

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

L 300' 0"

Launched

30.7.1928

Yard No.

329

Total

2811.32

Breadth (greatest moulded)

B 45' 0"

Builders

URAGA DOCK CO.

Gross Tonnage

2811.32

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

D 24' 9"

Owners

OSAKA SHOSSEN KAISHA.

Register Tonnage

1613.75

1st Longitudinal Number (L x D).....= 7425

Managers

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

2nd Numeral L x (B + D).....= 20925

Residence

OSAKA

REGISTERED DIMENSIONS.

FEET.

Length

300'

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

14.25

Breadth

45'

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

12.12

Port of Registry

OSAKA.

Depth

24.75'

Do. Long Bridge to top of keel

24' 9"

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	27"		Bracket Floors, Frame	BUL. ANGLE. 7' 3" x 4"	
" " from $\frac{1}{2}$ length to Collision bulkhead.....	23"		" " Reversed Frame.....	B.A. 7' 3" x 3"	
" " in peaks.....	24"		" " Vertical Struts.....	B.A. 7' 3" x 3"	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	36" x 46"	
Frame Amidships, Angle, E or [.....	8' 3" x 36" 8' 3" x 34"	APPROVED.	" " top Angles.....	DOUBLE 3' 3" x 44"	
" " Extends up to.....	SECOND DECK		" " bottom Angles.....	DOUBLE 3½' 3½" x 5"	
THICKEN DK			Side Girders, No. each side and thickness	ONE 34"	
Reversed Frame Amidships, Angle	B.A. 6' 3" x 28"		Margin Plate depth (excl. of flange) and thickness.....	26" x 44"	
" " Extends up to.....	ALL TO UPPER DK + ALTERNATELY TO SUPERSTRUCTURES.		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem.....	3½' 3½" x 34"	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem.....	3½' 3½" x 34"	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	34 EVERY 4 th FR.	
" " Second 'tween Decks, Angle, [or [" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....	34 EVERY 2 th FR.	
" " Third " " " "			Tank Side Brackets, height above base line at toe of Frame and thickness	4' 7" x 4"	
Framing in Peaks, Angle, [or [.....	6' 3" x 3"		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 64		Breadth and thickness of Middle Line Strake	47" x 42"	
State if Frame Joggled	FRS JOGGLED		Thickness of remainder in Holds	38	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	HEB FRAMES PANTING STRINGERS.		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.	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	FRS FOR 15' 6". 8' 3" x 36" A. BOTTOM PLS. A-C MAINTAIN 2" THICK. TO COLL. BHD. ADDITIONAL ½" DEPTH SIDE GIRDER FITTED.		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or [.....	6' 3" x 38"	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or [6' 3" x 34"	
Height of Brackets at side above base line at toe of frame			Spacing	EVERY FRAME.	
Middle Line Keelson, on Floors, Angles, [or [.....			Second Deck, amidships, Angle, E or [.....	7' 3" x 36" 6' 3" x 34"	
" " Through Plate or Intercoastal Plate...			Spacing	EVERY FRAME.	
" " 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, E or [.....	8' 3" x 38"	
DOUBLE BOTTOM.			Spacing	ALTERNATE FRS.	
Solid Floors, thickness and spacing	36" EVERY 3 rd FRAME EVERY FR. E. & B. 36" 15' 6" 15' 6" 15' 6"		Bridge Deck, Angle, E or [.....	8' 3" x 42"	
" " Are Frame and Reversed Frame joggled?.....	FRS JOGGLED.		Spacing	ALTERNATE FRS.	
Bracket Floors, breadth and thickness at middle line	27" x 36"		Forecastle Deck, Angle, E or [.....	8' 3" x 38"	
" " breadth and thickness at margin plate.....	42" AT TANK TOP 36"		Spacing	ALTERNATE FRS.	

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.....	<i>WIDE SPACED</i>		Stringer Plate, breadth and thickness in way of Bridge	<i>44" x 4"</i>	✓
" in 'tween Decks, Size and Spacing.....	<i>PILLARS</i>		Thickness of Plating abreast Deck openings in way of Wells	<i>.30</i>	✓
" " " " "	<i>GIRDERS</i>		Thickness of Plating abreast Deck openings in way of Bridge	<i>.30</i>	✓
" in Holds " " "	<i>AS PER APPROVED PLANS.</i>		Thickness of Plating within line of openings...	<i>.30</i>	✓
" " " " "			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.	✓		Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	✓		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	<i>47" x .46</i>	<i>.68 AT BR ENDS</i>	If Plated, state thickness	✓	
" " " " in way of Bridge	<i>47" x .34</i>		Poop Deck.		
" Angle in Wells	<i>5" x 5" x .46</i>		Stringer Plate, breadth and thickness	<i>29" x .32</i>	✓
Thickness of Plating abreast Deck openings in way of Wells	<i>.36</i>		Plating, Sheathing, material and thickness ...	<i>.30 5" x 3" O.P.</i>	
Thickness of Plating abreast Deck openings in way of Bridge	<i>.30</i>		Bridge Deck.		
Thickness of Plating within line of openings...	<i>.32</i>		Stringer Plate, breadth and thickness.....	<i>47" x .40</i>	✓
If Sheathed, material and thickness	<i>5" x 3" OREGON PINE</i>		Plating, Sheathing, material and thickness ...	<i>.36 x .30</i> <i>5" x 3" O.P.</i>	✓
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	<i>44" x .34</i>		Stringer Plate, breadth and thickness	<i>32" x .32</i>	<i>29" x .32</i> <i>APPROVED.</i>
			Plating, Sheathing, material and thickness ...	<i>.30 5" x 3" O.P.</i>	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>NO.</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or. to or.		Diam.	Spacing or. to or.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	47	.60	.56	.56		DOUBLE	7/8	3 1/2	TREBLE	7/8	3 3/8	LAPPED	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes <i>THREE</i>	76	.50	.42	.42		DOUBLE	7/8	3 1/2	TREBLE	7/8	3 3/8	LAPPED	
BILGE PLATING, No. of Strakes <i>ONE</i>	72	.50	.42	.42		DOUBLE	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes <i>TWO</i>	76	.50	.40	.40		DOUBLE	"	"	3 RT to 2R	"	"	"	
UPPER DECK, Sheer- strake in Wells.....	48	.60	.40	.40		DOUBLE	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Bridge ...	48	.50	.74	AT BRIDGE ENDS		DOUBLE	"	"	"	"	"	"	
STRAKE BELOW Sheer- strake in Wells.....	72	.54	.40	.40		DOUBLE	"	"	"	"	"	"	
STRAKE BELOW Sheer- strake in Bridge ...	72	.50				DOUBLE	"	"	"	"	"	"	
POOP SIDE PLATING34		SINGLE	3/4	3	SINGLE	3/4	2 5/8	"	
BRIDGE SIDE PLATING46				DOUBLE	"	"	TREBLE	"	"	"	
FOREC'TLE SIDE PLATING			.38			SINGLE	"	"	SINGLE	"	"	"	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)..... **FIVE** 6

„ Deck next below..... **ONE**

As per Rule..... **FIVE.**

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	FLAT PLATE.			
STEM	ROLLED STEEL	8" x 2 1/2"		
STERN FRAME {	Propeller Post	CAST STL 9" x 5 1/2"	KOBE S.W.	
	Rudder	CAST STL 8 1/4" x 5 1/2"		
RUDDER—A x D ..	27 3/8 x 57"			
Speed of Vessel ..	13 1/2 KNOTS.			
RUDDER mainpiece at head ...	FORGING	8 1/2" DIA.	KOBE S.W.	
" " heel ...	"	6 1/2" DIA.		
" how constructed	C.S. ARMS KEYED TO MAIN PIECE			
" 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) <i>OPEN HEARTH</i>
	<i>MANNESEMAN ROHRENWERKE. VEREINIGTE STAHLWERKE G.M.B.H. (THYSSEN PHOENIX RHEINSTAHL)</i> <i>PERSE & PARTNERS LTD. STEEL CO OF SCOTLAND FRIDITHAM IRON & STEEL CO. MATHERWELL IRON & STEEL</i> Has the Steel been tested as required by the Rules? <i>YES.</i> <i>CONSBITT IRON CO. D. COLVILLE & SONS. DORTON LONG & BOLCEON SAUGHAN & CO. SCOTTISH IRON & STEEL CO.</i> <i>KAWASAKI DR. YARD CO. (FUKUI NIPPON)</i>

EQUIPMENT No. <u>22371</u>										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.	Cwts.			
<u>17</u>	1st Bower ...	<u>41</u>	<u>1</u>	<u>0</u>	<u>STOCKLESS</u>			<u>36</u>	<u>13</u>	<u>1</u>	<u>6</u>		<u>STOCKLESS</u>	<u>OSHIMA S.W.</u>	<u>OSHIMA 27-6-28 J. Crichton.</u>
<u>18</u>	2nd " ...	<u>41</u>	<u>0</u>	<u>23</u>				<u>36</u>	<u>13</u>	<u>1</u>	<u>6</u>		<u>D:</u>	<u>D:</u>	<u>D:</u>
<u>19</u>	3rd " ...	<u>41</u>	<u>0</u>	<u>20</u>				<u>36</u>	<u>13</u>	<u>1</u>	<u>6</u>		<u>D:</u>	<u>D:</u>	<u>D:</u>
	Collective weight,	<u>123</u>	<u>2</u>	<u>15</u>								<u>✓ 119½ CWTs.</u>			
<u>20</u>	Stream	<u>11</u>	<u>0</u>	<u>10</u>	<u>2</u>	<u>3</u>	<u>10</u>	<u>13</u>	<u>0</u>	<u>0</u>	<u>8</u>	<u>11 CWTs.</u>	<u>STOCK</u>	<u>D:</u>	<u>OSHIMA 2-7-28 J. Crichton.</u>

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.	Statury. Break-ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.
1580	245 1/8	63 1/2 88 1/2	447-3-2	425 3/4	STUD LINK	OSAKA CHAINWORKS CO. Y.J.	OSAKA 1-8-28	TOWLINE... S.F.S.W.	100	4	52.97
								HAWSERS & WARPS	2c90	7	13 1/2
									2c90	6	9.9
Iron Stream Chain or Steel Wire	75 1/4	57				S.F.S.W. TOKYO SEIKO KAISHA					

Steering Gear, Steam

EFFICIENT

Steering Gear, Hand

EFFICIENT

Boats 6 LIFEBOATS.

8 LIFE RAFTS

Steering Chains, Size and Test

NO CHAINS.

Windlass

STEAM EFFICIENT.

Ceiling in Holds, thickness and material

2 1/2" SOFT WOOD.

Cargo Battens, thickness, material and spacing

6" x 2" O.P. 7" APART.

Cargo Hatchways. (Upper Deck)

27" x 44" COAMINGS.

Thickness of Hatches

3" O.P.

Size of No. 1 Hatchway (Forward)

15' 9" x 15' 0"

No. 2

20' 3" x 15' 0"

No. 3

18' 0" x 15' 0"

No. 4

15' 9" x 15' 0"

No. 5

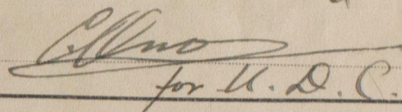
Number of Shifting Beams

and for Fore and Afters

THREE EACH TO NOS 1, 3 & 4

* TWO TO NO 2.

Builder's Signature



for U.D.C.

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel
an oil tanker, is fitted for carrying oil as cargo

(b) whether the vessel, not being
The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

All double bottom tanks, fore & after peak tanks and deep tank were tested to Rule Requirements and found satisfactory.

All weather decks, watertight bulkheads, and bridge front bulkhead were tested to Rule Requirements and found satisfactory.

The vessel was constructed as per approved plans.

The workmanship and materials are good.

Copies of Anchor, forging & casting Certificates enclosed herewith.
A copy of midship section of vessel as built is enclosed herewith.

The amount of Entry Fee £ YEH. 65
FREEBOARD " " 170
Special Survey Fee £ " 3450
Travelling Expenses, LOCAL 115
KOBE EXS. 20

Fees applied for, 15-10 19 28.
Received by me, 3.1.29

I am of opinion the Vessel should be Classed + 100 A.I.
WITH FREEBOARD.

State whether the Vessel has been built under Special Survey

YES.

Signature

Jas. Crichton
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

yka

Date of issue

27/11/28

Committee's Minute

TUE. 27 NOV 1928

Character assigned

+ 100 A.I.
with freeboard

+ 100 A.I.

27.11.28

Inspector

Lloyd's agent

27.11.28



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Lloyd's Register
Foundation

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	26.96 CWTs.	J. C.	Nº 17	27-6-28
	2nd "	26.87 CWTs.	J. C.	Nº 18	27-6-28
	3rd "	26.84 CWTs.	J. C.	Nº 19	27-6-28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30 ft., R.Q.D. ✓ ft., Bridge 108 ft., Forecastle 35.8 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 DKS (STL. U.W.S.)

Official No. 33608 ; Signal Letters T.Q.W.B. Is bottom of Vessel coated with cement YES if not give particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capac.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	85.5	156	Fore peak tank,	14.5	29
Double bottom, under Engines and Boilers,	65.25	198	After peak tank,	9.5	17
Double bottom, if under Engines only,	"		Deep tank, aft,	15.75	54
Double bottom, if under Boilers only,	"		Deep tank, forward,		
Double bottom, forward,	105.75	205	Other tanks, if fitted,		
	Total capacity of double bottom	559	(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. 7TH NOV. 1927. Dates of Surveys held while building 1928. JAN. 12TH MARCH 31ST APRIL 9. 13. 20. 30 MAY 14. 16 JUNE 18. 20. 25. 29. JULY 2. 6. 17. 20. 25. AUG. 8. 14. 21. 23. 31. SEP. 1. 5. 14. 20. 26. OCT. 1. 2. 9. 11.

Lloyd's Register
Foundation
Total No. of Visits 31