

With or Without  
Disconnected Erections.

STEEL STEAMER.

Received at London Office, 22 AUG. 1919

State if Report is also sent on the Machinery of the Vessel YES

Date of completion of report 12-7-19  
Survey held at Uraga

Port of Yokohama

No. 2499

Date, First Survey 19-12-78

Last Survey 26-6-1919

On the (State if Single, Twin, or Triple Screw)

Steel Single Screw Steamer Koyo Maru

Rig Schooner

TONNAGE under Tonnage Deck... 5036.46

CLASS 100 A1

Master Natsukichi Otsu

Year of appointment (1) As Master in service of owner of present vessel: 1919 (2) As Master of this vessel

Do. between Tonnage Dk. and 3rd and 4th Dk. INCL PEAKS

Breadth (greatest moulded) 53' 0"

Built at Uraga

When built 6-19 Launched 5-5-19

By whom built Uraga Dock Co.

Owners Toyo Kisen Kaisha

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

Residence

Port belonging to Yokohama

Do. of Poop 114.59

Depth, at middle of length from top of keel to top of upper deck beams at side 32' 0"

Do. of R.Q.Dk. "

Transverse Number 85

Do. of Bridge House 56.54

Length on deck from fore part of stem to after part of stern post 400

Do. of Forecastle 66.79

Longitudinal Number 34000

Do. of Houses on Dk. 44.24

Depth "d," at middle of length (See Secs. 2 & 13) 15.8-9 17.11

Do. of excess of Hatchways 18.52

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.50

Do. above Crown of Engine Room 21.79

" " Long Bridge Deck Beam at side to top of keel 10.56

Gross Tonnage 5436.93

Destined Voyage

Less Crew Space 341.61

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.50

Less above Crown of Engine Room "

" " Long Bridge Deck Beam at side to top of keel 10.56

TONNAGE FOR FEES.. 7746.86

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.50

Less Engine Room 74.72

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.50

Less Navigation Spaces 8.37

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.50

Register Tonnage 3267.37

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.50

as cut on Beam

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.50

LENGTH on Deck as per Rule 400

BREADTH Moulded 53

DEPTH, ACTUAL—Top of Upper Dk. Beams 29 3/4

Do. do. do. do. Second Dk. Beams 20 0 1/2

Dimensions of Ship per Register, Length 400 breadth 53 depth 32

Do. do. do. do. Second Dk. Beams 20 0 1/2

FRAMING.

Do. do. do. do. Second Dk. Beams 20 0 1/2

FRAME, Angles, or [ or [ Bars amidships

Do. do. do. do. Second Dk. Beams 20 0 1/2

Do. in peaks

Do. do. do. do. Second Dk. Beams 20 0 1/2

Do. in way of Double Bottoms at Solid Floors

Do. do. do. do. Second Dk. Beams 20 0 1/2

" " at intermdt. Bkts.

Do. do. do. do. Second Dk. Beams 20 0 1/2

Spacing of Frames from centre to centre amidships

Do. do. do. do. Second Dk. Beams 20 0 1/2

" " from 1/2 length to Collision bulkhead

Do. do. do. do. Second Dk. Beams 20 0 1/2

" " in peaks

Do. do. do. do. Second Dk. Beams 20 0 1/2

REVERSED FRAME, Angles

Do. do. do. do. Second Dk. Beams 20 0 1/2

Do. in way of Double Bottoms at Solid Floors

Do. do. do. do. Second Dk. Beams 20 0 1/2

" " at intermdt. Bkts.

Do. do. do. do. Second Dk. Beams 20 0 1/2

FRAMING, depth of girder

Do. do. do. do. Second Dk. Beams 20 0 1/2

FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships

Do. do. do. do. Second Dk. Beams 20 0 1/2

" in way of Engine and Boiler Spaces

Do. do. do. do. Second Dk. Beams 20 0 1/2

" thickness at the ends of vessel

Do. do. do. do. Second Dk. Beams 20 0 1/2

" depth at 1/2 the half breadth, as per Rule

Do. do. do. do. Second Dk. Beams 20 0 1/2

" height extended at the Bilges

Do. do. do. do. Second Dk. Beams 20 0 1/2

FLOORS in Cell. Double Bottoms

Do. do. do. do. Second Dk. Beams 20 0 1/2

" state if flanged (top & bottom)

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Spacing of Solid floors

Do. do. do. do. Second Dk. Beams 20 0 1/2

CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Angles, Top

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Bottom

Do. do. do. do. Second Dk. Beams 20 0 1/2

" to Floors

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Brackets at intermdt. frmg., wdth & thknss

Do. do. do. do. Second Dk. Beams 20 0 1/2

IDE GIRDERS, number on each side & thickness

Do. do. do. do. Second Dk. Beams 20 0 1/2

" state if flanged (top and bottom)

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Angles (top and bottom)

Do. do. do. do. Second Dk. Beams 20 0 1/2

" to Floors

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Brackets at intermdt. frmg., wdth & thknss

Do. do. do. do. Second Dk. Beams 20 0 1/2

MARGIN PLATE, depth (exclusive of flange) and thickness

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Angle to Outside Plating

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Floors

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Brackets at intermdt. frmg., wdth & thknss

Do. do. do. do. Second Dk. Beams 20 0 1/2

Height of Outside Brackets above at bilge

Do. do. do. do. Second Dk. Beams 20 0 1/2

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake

Do. do. do. do. Second Dk. Beams 20 0 1/2

" in Engine and Boiler space

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Remainder in Holds

Do. do. do. do. Second Dk. Beams 20 0 1/2

BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel

Do. do. do. do. Second Dk. Beams 20 0 1/2

" In way of Long Bridge

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Spacing

Do. do. do. do. Second Dk. Beams 20 0 1/2

BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Spacing

Do. do. do. do. Second Dk. Beams 20 0 1/2

BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Angles on upper edge

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Spacing

Do. do. do. do. Second Dk. Beams 20 0 1/2

BEAMS, Bridge Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Angles on upper edge

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Spacing

Do. do. do. do. Second Dk. Beams 20 0 1/2

BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Angles on upper edge

Do. do. do. do. Second Dk. Beams 20 0 1/2

" Spacing

Do. do. do. do. Second Dk. Beams 20 0 1/2

ALT FRG

Do. do. do. do. Second Dk. Beams 20 0 1/2

PILLARS.

PILLARS in 'tween Deck, size and spacing

" " Hold

Quarter 'tween Dks.

" " in Hold

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate

" Rider Plate

" Flat Plate Keel Angles

" Horizontal Plates on Floors

" Angles or Bulb Angles

SIDE KEELSONS, Number

" Angles or Bulb Angles

" Plate above floors, for length

" Intercoastal Plate, for length

" Attached to outside Plating with Angle

BILGE KEELSON, Angles

" Intercoastal Plate for length

" Attached to outside Plating with Angle

SIDE STRINGERS, Number

" Angle

" Intercoastal Plate, for length

" Attached to outside plating with Angle

Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)

" " " br'dth & thickness (in way of Bridge)

" " " Angle (clear of Bridge)

" " " Tie Plate at sides of Hatchways

" Deck, \* Iron or Steel, for FULL lng.

" " " Thickness (clear of Bridge)

" " " (in way of Bridge)

" Wood Deck, Material & thickness

Second Deck Stringer Plate, br'dth & thickness

" Angles on ditto, No. 3 1/2 x 3 1/2 x 4 at ENDS FLANGED

" Tie Plates outside Hatchways

" Deck, \* Iron or Steel, for FULL lng.

" Wood Deck, Material & thickness

Third Deck Stringer Plate, br'dth & thickness

" Angles on ditto, No.

" Tie Plates outside Hatchways

" Deck, \* Material and thickness

Fourth and Fifth Deck Stringer Plate, br'dth & thickness

" Angles on ditto, No.

" Tie Plates outside Hatchways

" Deck, Material & thickness

Poop Deck Stringer Plate, breadth & thickness

" Angle on ditto

" Tie Plates

" Deck, Material and thickness

Bridge Deck Stringer Plate, br'dth & thickness

" Angle on ditto

" Tie Plates

" Deck, Material and thickness

Forecastle Deck Stringer Plate, br'dth & th'kns

" Angle on ditto

" Tie Plates

" Deck, Material and thickness

SHEATHED WITH 3" O.P.

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.







GENERAL REMARKS—(continued).

Frames at 33" spacing 10x.54x3 1/4 x.53 I intermediate frame 7x3 7/16 x 3/8  
 " " 27 " 10x3 1/2 x.53 B.A. " 7x3 1/2 x.4 A  
 " " 24 " Peaks 8x3 1/2 x 3/8 B.A. " 7x3 1/2 x 3/8  
 " Tunnel Recess 9x3 1/2 x.48 B.A. " 7x3 1/2 x.4 A

Extension of main frame in way of Forecastle to Forecastle and Upper Dk Alt. 24  
 " " " " Bridge to Upper Dk and 2<sup>nd</sup> Deck " "  
 " " " " and to bridge OK as approved. " "  
 " " " " in after peak all to upper deck. " "  
 " elsewhere to upper deck and 2<sup>nd</sup> Deck alternately

PILLARS. Upper deck 5x5x.4 - 4 angles to 4x4x3/8 - 4 angles under spacing  
 second " 12x1/2x3/8x.62 D.I. with face plates  
 13x.56 to 6x6x.7 - 4 angles to 6x6x.54 4 angles under spacing

DESCRIPTION	MARK	MATERIAL	WHERE MADE	WHERE TESTED	DATE	SURVEYOR
RUDDER GUADRANT	U 3	C.S.	OSHIMA	S.W. OSHIMA	7-3-19	J.S.C.
" HEAD	U 4	F.S.	"	"	11-10-18	J.S.C.
" MAIN R	U M 5	F.S.	"	"	14-10-18	J.S.C.
STERN FRAME	U.F.A	C.S.	"	"	17-9-18	J.S.C.
STEM UPPER	U 2	F.S.	"	"	1-10-18	J.S.C.
" LOWER	U 1	F.S.	"	"	1-10-18	J.S.C.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.5 ft., R.Q.D. X ft., Bridge 23.7 ft., Forecastle 45 ft.  
 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated NO

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 STEEL DECKS UNCOVERED 2 TIERS OF BEAMS  
 Official No. 25837; Signal Letters R & F J. State if Machinery is fitted aft NO  
 How are the surfaces preserved from oxidation? Inside BUNKERS BITUMASTIC PAINT CELLULAR D.B. & BILGES CEMENT Outside PAINT

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. CELLULAR

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	115	264	Fore peak tank,	24	
Double bottom, under Engines and Boilers,			After peak tank,	16	28
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	63-3	218	Deep tank, forward,		
Double bottom, forward,	61-2	103	Other tanks, if fitted, FEED.T. UNDER ENG.	24-9	93
	71-6	225	(If necessary, furnish further information by sketch.)		
NOTE: TANK UNDER BOILER NO 2 TANK.					
FITTED FOR FUEL OIL					
		810			

The tanks are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules YES.

Order for Special Survey No. DEC. 19-23. JAN 6-22 FEB. 7-19-24 MAR. 3-10-18-20-25 APR. 1-9-14  
 Date 13-6-18 17-22-28-30. MAY 3-26-28 JUN 2-12-16-18-19-20-26

No. 146 in builder's yard. DATES OF SURVEYS held while building

Surveyor's Signature

J.S. McAllister Lloyd's Register Foundation

Total No. of Visits 29