

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office **MED 20 APR 1921**

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

Date of completion of report

Survey held at **Yokohama (Uruga)**

Port of **Yokohama**

No. **2783**

Date, First Survey **27-8-21**

Last Survey **21-2-**

1921

On the (State if Single or Double Screw)

Steel Single Screw Steamer Sunghwan Maru Rig **Schooner.**

TONNAGE under

CLASS

100A

FEET.

Master **Genichi Kawamura**

Tonnage Deck

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

Breadth (greatest moulded)

42.5

Year of appointment

(1) As Master in service of owner of present vessel—19

Total under Upper Dk.

1967.65

Depth, at middle of length from top of keel to top of upper deck beams at side

23.0

Built at **Uruga**

Do. of Poop

71.85

Transverse Number

65.5

When built **1921**

Launched **28-12-20**

Do. of Bridge House

235.92

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

284.5

By whom built **Uruga Dock Co Ltd**

Do. of Forecastle

54.25

Longitudinal Number

18634.75

Owners **Nissin Kisen Kaisha Kaisha**

Do. of Houses on Dk.

128.40

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

11.75

Managers

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

Do. of excess of Hatchways

45.84

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

12.87

Residence

Do. above Crown of Engine Room

25.99

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

9.85

Port belonging to **Tokyo**

Gross Tonnage

2529.69

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock Building

Less Crew Space

809.50

Less above Crown of Engine Room

40.97

TONNAGE FOR FEES

14.05

Less Engine Room

1503.26

Less Navigation Spaces

14.05

REGISTER Tonnage as cut on Beam

1503.26

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
	284	6		42	6		20	9 1/2	2
						Do. do. do. do. do. Second Dk. Beams	12	9 1/2	2

Dimensions of Ship per Register. Length	284.5	breadth	42.63	depth	23.0	Moulded depth, ft. 30 ins. 6	To Bridge Dk. Round of Upper Dk. Beam, Actual	10 3/4 ins.
						Moulded depth, ft. 23 ins. 6	To Upper Dk.	

FRAMING.						PILLARS.					
	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship		Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or \square or \angle Bars amidships	7	3	42	17	3	PILLARS In 'tween Deck, size and spacing	3 1/2 x 3 1/2	36	38	40	
Do. in peaks	6	3	38	20	42	" " " " " " " " " " " "	4 1/2 x 4 1/2	50	54	56	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	34	"	"	" " " " " " " " " " " "	5 x 5	50	54	56	
" " " " at intermdt. Bkts.	5	3 1/2	38	"	"	" " " " " " " " " " " "	6 x 6	50	54	56	
Spacing of Frames from centre to centre amidships	24			"	"	KEELSONS & STRINGERS.					
" " " " from $\frac{1}{2}$ length to Collision bulkhead	24			"	"	CENTRE LINE KEELSON, Vertical Plate above					
" " " " in peaks	24			"	"	floors, Through Plate, or Intercoastal Plate					
REVERSED FRAME, Angles	3	3	32	"	"	Rider Plate					
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	34	"	"	Flat Plate Keel Angles					
" " " " at intermdt. Bkts.	3 1/2	3	34	"	"	Horizontal Plates on Floors					
FRAMING, depth of girder	7			"	"	" Angles or Bulb Angles					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	3 1/2	3 1/2	34	"	"	SIDE KEELSONS, Number					
" in way of Engine and Boiler Spaces	3 1/2	3	34	"	"	" Angles or Bulb Angles					
thickness at the ends of vessel	3 1/2	3	34	"	"	" Plate above floors, for length					
depth at $\frac{1}{2}$ the half breadth, as per Rule	3 1/2	3	34	"	"	" Intercoastal Plate, for length					
height extended at the Bilges	34	44	BR	DO		" Attached to outside Plating with Angle					
FLOORS in Cell, Double Bottoms	NO					BILGE KEELSON, Angles					
state if flanged (top & bottom)	NO					" Intercoastal Plate for length					
Spacing of Solid floors	ALT FR. EXCEPT UNDER EXID. FOR 3/4					" Attached to outside Plating with Angle					
CENTRE GIRDER, in Dbl. bottom, dpth & thknss	37 x 46	58				SIDE STRINGERS, Number					
" " Angles, Top	37 x 46	58	DO			" Angle					
" " Bottom	44 x 54	50	"			" Intercoastal Plate, for length					
" " to Floors	3 1/2	3 1/2	"			" Attached to outside plating with Angle					
Brackets at intermdt. frmg., wdth & thknss	24 x 34	44	"			Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	48 x 74	9 1/2	48	32	DO
SIDE GIRDERS, number on each side & thickness	2 x 34	44	"			" " " " br'dth & thickness (in way of Bridge)	48 x 74	9 1/2	48	32	"
state if flanged (top and bottom)	FLANGED ON TOP		"			" " " " Angle (clear of Bridge)	44 x 44	54	54	54	"
" " Angles (top and bottom)	3 1/2	3 1/2	34	"		" " Tie Plate at sides of Hatchways	36				"
" " to Floors	3	3	34	"		Deck * Steel , for FULL lng.	WOOD SHEATHED				"
MARGIN PLATE, depth (exclusive of flange) and thickness	37 x 40	58	"			" Thickness (clear of Bridge)	36	32			"
" " Angle to Outside Plating	6 x 34	40	58	"		" (in way of Bridge)	34	30			"
" " Floors	STR. 1/4" x 2" x 3"		"			Wood Deck, Material & thickness	FULL	2 1/2	3	O.P.	"
Brackets at intermdt. frmg., wdth & thknss	48 x 34	44	"			Second Deck Stringer Plate, br'dth & thickness	44 x 45	44	40	38	"
Height of Outside Brackets above at bilge	33		"			" Angles on ditto, No.	3 1/2 x 3 1/2	40	38	38	"
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	37 x 44	36	52	BR		" Tie Plates outside Hatchways	34				"
" " in Engine and Boiler space	42	55	52	BR		Deck * Steel , for FULL lng.	32	30			"
" " Remainder in Holds	36	56				Wood Deck, Material & thickness					
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	33	44	40		Third Deck Stringer Plate, br'dth & thickness					
" In way of Long Bridge	DEEP. TK. TOP	7	3	40		" Angles on ditto, No.					
Spacing	ALT FR.					" Tie Plates, outside Hatchways					
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	31	40	6 3/4	40	Deck * Material and thickness					
" Spacing	EVERY FRAME					Poop Deck Stringer Plate, breadth & thickness	28 x 32				DO
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	6 3/4	40	" Angle on ditto	3 x 31 x 32				"
" Angles on upper edge	ALT FRAMES					" Tie Plates	576				"
Spacing	ALT FRAMES					" Deck, Material and thickness	STEEL WOOD SHEATHED	3	O.P.		
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	6 3/4	40	Bridge Deck Stringer Plate, br'dth & thickness	42 x 48				DO
" Angles on upper edge	ALT FRAMES					" Angle on ditto	5 x 5 x 60				"
Spacing	ALT FRAMES					" Tie Plates	34	30			"
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	46	DO		" Deck, Material and thickness	STEEL WOOD SHEATHED	3	O.P.		
" Angles on upper edge	ALT FRAMES					Forecastle Deck Stringer Plate, br'dth & th'kns	28 x 32				DO
Spacing	ALT FRAMES					" Angle on ditto	3 x 31 x 32				"
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	46	DO		" Tie Plates	34	26			"
" Angles on upper edge	ALT FRAMES					" Deck, Material and thickness	STEEL WOOD SHEATHED	3	O.P.		
Spacing	ALT FRAMES										

Form No. 1A. WEB FRAMES. FORGINGS or CASTINGS. BULKHEADS. PLATING. RIVETING. STRAKES. THICKNESS OF SHEET PILE. UPPER DECK. SECOND DECK. FRAMES. REVERSED FRAMES. MASTS, SPARS, &c. LOWER MASTS. BOWSPRIT. TOPMASTS, YARDS AND REMAINDER OF SPARS. RIGGING, MATERIAL AND SIZE, SHROUDS. SAILS.

EQUIPMENT No. 19962.25 LETTER S. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Pumps. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds. Cargo Hatchways. State size No. 1 Hatch. Number of Web Plates. Correspondence. Workmanship. Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? General Remarks. This vessel has been built under special survey and in accordance with the Society's Rules and approved plans the materials and workmanship are good and the vessel is eligible in our opinion to have record of 100A1 in the Register Book with date of build 2-21-1921. Committee's Minute. Character assigned. 100A1. + L.H. 2.21. H.D. C.L.

GENERAL REMARKS—(continued).

Special framing fore of 1/8" sq. between hull frames 3x3x32. angles extend to 2nd DK
3x1/2 half round chafing strips fitted on shell strake edges fore, secured
by countersunk cap bolts secured through shell plating + nuts fitted
for protection

DEEP TANK AFT. Extends for 9 FR spaces fore of AFT peak. hullhead mark plate
fitted in middle of Tank 7/16 TH. Stiffeners 5x3x32 spaced 24
apart extends full depth of Tank. Hatch to deep tank 74x6
fitted steel W.T. covers

CARGO PORTS 1800 ship sides to 2nd DK. Cargo space + coal ports in bridge
side plating 2'-9" x 2'-9"
8 Ports stiffened with 3 1/2 x 3 1/2 x .50 angle frame fitted around
opening 1/2 doubler 8' long on top.

CASTINGS & FORGINGS

DESCRIPTION.	MARK	MATERIAL	WHERE MADE	WHERE TESTED	DATE SURV.
STEM . U.	U.V.S.	F.S.	OSHIMA S.W.	OSHIMA S.W.	2.4.20 A.
" . L.	U.L.S.	F.S.	"	"	2.4.20 A.
STERN FRAME.	U.S.F.	C.S.	"	"	2-11-20 A.
QUADRANT.	U.Q.	C.S.	"	"	28.9.20 A.
TILLER.	U.T.	F.S.	"	"	5.10.20 A.
RUDDER ARMS	U.A.R.	"	"	"	9.11.20 A.
"	U.B.B.	"	"	"	DO
"	U.C.R.	"	"	"	DO
"	U.D.R.	"	"	"	DO
"	U.E.R.	"	"	"	DO
RUDDER STOCK.	U.F.R.	"	"	"	24.11.20 A.
" MAIN PIECE.	U.R.M.	"	"	"	DO

Seaming in Peaks Depth 5" angle frame 5x3x32 extend to Poop + Forels Dks.
reverse frame angles 3x3x32. extend to Up + Forels Dks.
alternately in way of Forels and to Up. DK in way
poop. Frames in forepeak tank 6x3x38 B.A. floor
plate .34.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 36.66 ft., R.Q.D. x ft., Bridge 100 ft., Forecastle 36.
(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
should appear in the Register Book) 2 Steel Decks 2 Tiers of Beams (Upper deck wood decked)
Official No. 28098 ; Signal Letters SGLF. State if Machinery is fitted aft Amundship
How are the surfaces preserved from oxidation? Inside Cement + Bitumastic Outside Paint

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, NO 5.	65	167.15	Fore peak tank,	14.5	38.1
Double bottom, under Engines and Boilers, NO 3	20	58.52	After peak tank,	14.	15.0
Double bottom, if under Engines only, NO 4	20	60.58	Deep tank, aft,	18.	208.
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward, NO 1 + 2.	124	295.48	Other tanks, if fitted,		
	Total capacity of double bottom	580.03	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 229

State whether the above have been tested as required by the Rules. YES.

Order for Special Survey No. 22

Date 12.11.19.

No. 176. in builder's yard.

DATES of Surveys held while building

Aug 27. Sept 3-7-8-16-17-21-22-27-28 Oct 4-5-6-11-16-18-20-22-25-27-29. Nov 2-3-5-8-12-15-17-19-24-26-29 Dec 6-9-10-15-17-21-28-24-27-28 Jan 6-10-18-26 Feb 10-14-19-21

Surveyor's Signature

J. G. Bell

Total No. of Visits 52 SUP

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