

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office WED OCT 28 1914

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

Date of completion of report *21st Sept 1914*

Port of *Nagasaki*

No. *938*

Survey held at *Nagasaki*

Date, First Survey *March 22 1913*

Last Survey *12 Sept 1914*

On the *Y.S.S. "SUWA MARU"*

Rig *Schooner*

TONNAGE under
Tonnage Deck
Do. between Tonnage Dk.
and 3rd and 4th Dk.
Total under Upper Dk. *9146.94*
Do. of Poop *447.17*
Do. of R.Q.Dk. *770.44*
Do. of Bridge House *120.56*
Forecastle *1272.57*
Houses on Dk. *11757.68*
Excess of Hatchways *705.16*
Crew Space *11052.22*
Engine Room *3762.46*
Navigation Spaces *7289.76*

CLASS *+100 A.1.*

FEET.

Breadth (greatest moulded) *63.50*

Depth, at middle of length from top of keel to top of upper deck beams at side *37.50*

Transverse Number *101.00*

Length on deck from fore part of stem to after part of stern post *505.00*

Longitudinal Number *51.005*

Depth "d." at middle of length (See Secs. 2 & 13) *23.87*

Proportions—Depth to Length—Upper Deck Beam at side to top of keel *13.47*

" " Long Bridge Deck Beam at side to top of keel *11.10*

Master *Y. Murai*

Year of appointment *1914*

Built at *Nagasaki*

When built *1914*

Launched *29 March 14*

By whom built *Nitoku Kishi Dockyard, Yokohama*

Owners *Nippon Yusen Kaisha*

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

Residence *Tokyo*

Port belonging to *Tokyo*

Destined Voyage *London*

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

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	No. of Tiers of Beams
<i>505.0</i>	<i>505</i>	<i>0</i>	<i>63.6</i>	<i>63</i>	<i>6</i>	<i>37.5</i>	<i>37</i>	<i>5</i>	<i>2</i>	<i>2</i>

Moulded depth, ft. *45* ins. *6* To Bridge Dk. Round of Upper Dk. Beam, Actual *16* ins.

Moulded depth, ft. *37* ins. *6* To Upper Dk.

Japanese measurements

Dimensions of Ship per Register, Length *516.0* breadth *62.6* depth *34.95*

FRAMING.

FRAME, Angles, or Bars amidships

Do. in peaks

Do. in way of Double Bottoms at Solid Floors

at intermdt. Bkts.

Spacing of Frames from centre to centre amidships

" " length to Collision bulkhead

" " in peaks

REVERSED FRAME, Angles

FRAMING, depth of girder

FLOORS, depth and thickness of Floor Plate

at mid-line for $\frac{1}{2}$ length amidships

" in way of Engine and Boiler Spaces

" thickness at the ends of vessel

" depth at $\frac{1}{2}$ the half breadth, as per Rule

" height extended at the Bilges

FLOORS & BRACKETS in Cell Dble Bottoms

state if flanged (top & bottom)

" Spacing

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

" Angles, Top

" " Bottom

" " to Floors

SIDE GIRDERS, number on each side & thickness

state if flanged (top and bottom)

" Angles

MARGIN PLATE, depth (exclusive of flange)

and thickness

" Angles to Outside Plating

" Floors

" Height of Brackets above at bilge

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake

" in Engine and Boiler space

" Remainder in Holds

BEAMS, Upper Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

" Angles on upper edge

" Spacing

BEAMS, Second Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

" Angles on upper edge

" Spacing

BEAMS, Third or Fourth Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

" Angles on upper edge

" Spacing

BEAMS, Fourth or Fifth Deck, Plate, Tee

Bulb, or Channel

" Angles on upper edge

" Spacing

BEAMS, Poop Deck, Angle, Bulb Angle, Plate

Tee Bulb, or Channel

" Angles on upper edge

" Spacing

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate

Tee Bulb, or Channel

" Angles on upper edge

" Spacing

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate

Tee Bulb, or Channel

" Angles on upper edge

" Spacing

PILLARS, In 'tween Deck, size and spacing

" Hold

" Quarter 'tween Dks., " "

" in Hold

WEB-FRAMES, In Fore Body, No. and spacing

brdth. & thickness

" No. of Side Stringers

WEB-FRAMES, In E. & B. Space, No. & spacing

brdth. & thickness

" "

WEB-FRAMES, In After Body, No. and spacing

brdth. & thickness

" No. of Side Stringers

" Size of Face Angles to Web-Frames

BRACKET PLATES to Stringers between

Web Frames, depth and thickness

FORGINGS or CASTINGS.

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

for Propeller

RUDDER—A x D Table 22

Main-Piece, diameter at head

" " at heel

RUDDER, how constructed

Can the Rudder be unshipped afloat?

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

2 SIDE STRINGERS, Number

" Angle

" Intercoastal Plate, for whole length

" Attached to outside plating with Angle

Upper Deck Stringer Plate, br'dth & thickness

(clear of Bridge)

" " " (in way of Bridge)

" " Angle (clear of Bridge)

" " Tie Plate at sides of Hatchways

" Deck, * Iron or Steel, for whole lng.

" " Thickness (clear of Bridge)

" " (in way of Bridge)

" " Wood Deck, Material & thickness

Second Deck Stringer Plate, br'dth & thickness

" Angles on ditto, No. 2

" Tie Plates outside Hatchways

" Deck, * Iron or Steel, for whole lng.

" " Wood Deck, Material & thickness

Third Deck Stringer Plate, br'dth & thickness

" Angles on ditto, No. 2

" Tie Plates, outside Hatchways

" Deck, * Material and thickness

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

" Angles on ditto, No. 2

" 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 & thickness

" Angle on ditto

" Tie Plates

" Deck, Material and thickness

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

BULKHEADS.

W. T. BULKHEADS

COLLISION

PARTITION

LONGITUDINAL

STIFFENERS.

Horizontal.

Vertical.

Size.

Spacing.

Single or Double Frames.

Height up.

Number.

Thickness.

Per Rule.

Feet.

Inches.

Feet.

Inches.

Feet.

Inches.

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	PLATING.										RIVETING.													
	AS IN SHIP.						PER RULE OR AS APPROVED.				UPPER EDGES. Ordinary or joggled? ordinary				BUTTS.									
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.				SINGLE OR DOUBLE.		BREADTH OF LAP.		RIVETS.		DOUBLE OR TREBLE FOR WHAT LENGTH.		RIVETS.		STRAIPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Diam.	Spacing or cr. to cr.	Diam.	Spacing or cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.		
FLAT PLATE KEEL	51	86	86	86	✓	51	86	2.	6	1	3 7/8	7.5	1	3 1/2	19	86	—	—	—	—	—	—	—	
(If Bar Keel, state Riveting.) GARBOARD OR A STRAKE ...	64	76	54	76	✓	64	76	"	"	"	"	2. 1r.	1	4	✓	14	87	—	—	—	—	—		
State actual thickness in way of Double Bottom. B " "	67	76	54	86	✓	67	76	"	"	"	"	"	1	✓	"	"	"	"	"	"	"	"		
C " "	66	76	54	86	✓	66	76	"	"	"	"	"	1	✓	"	"	"	"	"	"	"	"		
D " "	66	76	54	86	✓	66	76	"	"	"	"	"	1	✓	"	"	"	"	"	"	"	"		
E " "	66	76	60	86	✓	66	76	"	"	"	"	"	1	✓	"	"	"	"	"	"	"	"		
F " "	68	76	60	86	✓	68	76	2 x 3	6.8 1/2	"	"	"	1	✓	"	"	"	"	"	"	"	"		
G " "	68	74 1/2	50	86	✓	68	74	"	"	"	"	2. 1/2	1	✓	"	"	"	"	"	"	"	"		
H " "	69	74 1/2	50	72	✓	69	74	"	"	"	"	"	1	✓	"	"	"	"	"	"	"	"		
J " "	69	74 1/2	50	72	✓	69	74	2	6	"	"	"	1	✓	"	"	"	"	"	"	"	"		
K " "	72	74 1/2	50	50	✓	72	74	2	6	"	"	"	1	✓	"	"	"	"	"	"	"	"		
L " "	71	72 1/2	50	50	✓	71	72	"	"	"	"	"	1	✓	"	"	"	"	"	"	"	"		
M " "	60	72 1/2	50	50	✓	60	72	"	"	"	"	2. Substep 1	"	✓	"	"	"	"	"	"	"	"		
N " "	60	72 1/2	50	50	✓	60	72	"	"	"	"	"	1	✓	"	"	"	"	"	"	"	"		
O " "	48 1/2	84	46	42	✓	48 1/4	84	"	6 1/4	1 1/2	4 1/2	"	1	✓	"	"	"	"	"	"	"	"		
P " "	59	98	46	42	✓	59	98	"	"	"	"	7. Bridge	1 1/2	4 1/2	2 1/2	62.0	62.1	—	—	—	—	—		
R " "																								
S " "																								
DOUBLING OF Flat Plate Keel	.76	for 3/8 in.	✓																					
" Sheerstrakes	1/2 in	except in way of bridge = 60 ft off of bridge and 48 ft from . = 90 - 84 ✓																						
Length and thickness.																								
POOP SIDES42	✓																						
SHORT BRIDGE SIDES54 - .98																							
FORECASTLE SIDES46																							
*Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.																								
Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. ? <i>Siemens Martin.</i>												Upper Deck (Butts, riveted for whole ✓ length amidship. Stringer Plate (Straps, single, double or overlapped for whole length amidship. Second Deck (Butts, riveted for whole length amidship. Stringer Plate (Straps, single or overlapped for whole length amidship. Butts of Side Stringers <i>Tie Plates</i> riveted. Tie Plates <i>Double</i> riveted. Inner Bottom Plating, riveting of Edges <i>Dr. S.</i> Butts <i>S. D.</i> Centre Girder Butts, riveted <i>Keelson Butts, riveted.</i> Frames, riveted through Plates with " in. Rivets, about 5" apart. Rivets, state whether Iron or Steel <i>Steel.</i>												
<i>Colville, Consell, Steel Co of Scotland, Glasgow.</i>																								
<i>Glasgow &</i>																								

Workmanship. Are the butts of plating planed or otherwise fitted? *planed*
Is the riveted work properly closed? *yes*
Are the liners between the frames and plates solid single pieces? *jagged frames* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes* Do any rivets break into or through the seams or butts of the plating? *a few*
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes*
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *yes* State results of tests *Satisfactory*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *yes* State results of tests *Satisfactory*
General Remarks (State quality of workmanship, &c.)

The workmanship & materials are good.

This vessel has been built in accordance with the approved plans and in conformity with the Rules for the class contemplated.

Plans sent under separate cover. - 1 Profile. 1 Altered profile
1 Section 1 " section
1 Logging &c. Casting reports
1 Boiler space. 1 " "

The Surveyor should state the Number of Report and Name of any Sister Vessel. *None.*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 98½ ft., R.Q.D. ft., Bridge 121 ft., Forecastle 56.25 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

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 Dks (Stl) U.S. 3rd Dk (Stl) in No. 1 and 4 Holes

Official No. 6447 : Signal Letters 6447 State if Machinery is fitted aft no

How are the surfaces preserved from oxidation? Inside Paint and cement. Boiler floors Outside Paint

Asbestos cement. Boiler tank & rivets

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

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft.	157	612	Fore peak tank,	26	148
Double bottom, under Engines and Boilers,	92	566	After peak tank,	14	57
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	193	878	Other tanks, if fitted,		
	Total capacity of double bottom	2056	(If necessary, furnish further information by sketch.)		

* The wells 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.

Date *21 Nov. 1912*

No. 236 in builder's yard.

Total No. of Visits 127

The amount of Entry Fee	Rs. 49.00	:	0
Special Survey Fee	Rs. 48.16	:	0
Travelling Expenses, if any	Rs. 436.50	:	0

Fees applied for, 21/9/1944
 Received by me, 22nd Sept. 1944

Certificates to be sent to *Nagasaki*

2/11/14.

State whether the Vessel has been built under Special Survey.....*Yes*

I am of opinion this Vessel should be Classed **+ 100 A.I.**

With, or without Freeboard, as condition of Class without

G. D. Cushman
Surveyor to Lloyd's Register of British and Foreign Ships

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. OCT. 30. 1914

Character assigned

1000

Lloyd A.D.C.P.

* Lm. 6. 9. 14
F. D.

Miss Key.

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