

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office **FRI 13 JAN 1922**

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

Date of completion of report **30th November, 1921.**

Port of **NAGASAKI.**

No. **1341**

Survey held at **NAGASAKI.**

Date, First Survey **3rd Sept. 1920.**

Last Survey **11th November, 1921/191.**

On the (State if Single, Twin, or Triple Screw) **Steel Twin Screw Steamer "HAKONE MARU"**

Rig **Schooner.**

TONNAGE under **8392.20**

Tonnage Deck **8392.20**

Do. between Tonnage Dk. and 3rd and 4th Dk. **573.67**

Total under Upper Dk. **8392.20**

Do. of Poop **591.19**

Do. of R.Q.Dk. **82.03**

Do. of Forecastle **963.77**

Do. of Houses on Dk. **19.96**

Do. of excess of Hatchways **10422.82**

Do. above Crown of Engine Room **618.35**

Gross Tonnage **9804.47**

Less Crew Space **3335.30**

Less above Crown of Engine Room **93.23**

TONNAGE FOR FEES **75.94**

Less Engine Room **6300.00**

Less Navigation Spaces **6300.00**

Less Peak Tanks **6300.00**

Register Tonnage **6300.00**

as cut on Beam **6300.00**

CLASS **100A1.**

FEET.

Master **T. Sekine.**

Year of appointment **(1) As Master in service of owner of present vessel: 191 (2) As Master of this vessel: 191**

Built at **Nagasaki, Japan.**

When built **1921** Launched **25th July 1921.**

By whom built **Mitsubishi Zosen Kaisha, Ltd.**

Owners **Nippon Yusen Kabushiki Kaisha.,**

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

Residence **Tokio, Japan.**

Port belonging to **Tokio, Japan.**

Breadth (greatest moulded) **62.0**

Depth, at middle of length from top of keel to top of upper deck beams at side **37.0**

Transverse Number **99.0**

Length on deck from fore part of stem to after part of stern post **495.0**

Longitudinal Number **49,005**

Depth "d," at middle of length (See Secs. 2 & 13) **23.0**

Proportions—Depths to Length—Upper Deck Beam at side to top of keel **13.38**

" " Long Bridge Deck Beam at side to top of keel **10.76**

Destined Voyage **United Kingdom.** If Surveyed while Building, Afloat, or in Dry Dock While building.

2.3 in No. 1, 3 & 4

No. of Decks with flat laid holds.

No. of Tiers of Beams ditto.

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.	Do.	Do.	Second Dk. Beams	Feet.	Inches.	No. of Decks with flat laid holds.	No. of Tiers of Beams ditto.
495	0	62	0	37	0	25	5	2	25	5	2	25	5	2	2

Dimensions of Ship per Register, Length **495.0** breadth **62.0** depth **37.0** Moulded depth, ft. **45** ins. **0** To Bridge Dk. Round of Upper Dk. Beam, Actual **15** ins. Moulded depth, ft. **37** ins. **0** To Upper Dk. Dk. Beam, Actual **15** ins.

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.
FRAME, Angles, or 12x3 1/2 x 3 1/2 B.A. amidships				PILLARS In 'tween Deck, size and spacing			
Do. in peaks	9	3 1/2	.44	Do. in peaks	9	3 1/2	.44
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	.50	Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	.50
" " at intermdt. Bkts.	9	3 1/2	.46	" " at intermdt. Bkts.	9	3 1/2	.46
Spacing of Frames from centre to centre amidships	36			Spacing of Frames from centre to centre amidships	36		
" " length to Collision bulkhead in peaks	27			" " length to Collision bulkhead in peaks	27		
" " to 2nd deck	3 1/2	3 1/2	.56	" " to 2nd deck	3 1/2	3 1/2	.56
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	.50	Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	.50
" " at intermdt. Bkts.	8	3 1/2	.46	" " at intermdt. Bkts.	8	3 1/2	.46
FRAMING, depth of girder	12			FRAMING, depth of girder	12		
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships			
" in way of Engine and Boiler Spaces				" in way of Engine and Boiler Spaces			
" thickness at the ends of vessel				" thickness at the ends of vessel			
" depth at 1/2 the half breadth, as per Rule				" depth at 1/2 the half breadth, as per Rule			
" height extended at the Bilges				" height extended at the Bilges			
FLOORS in Cell. Double Bottoms	49x46	.54BS	49x46	.54BS	FLOORS in Cell. Double Bottoms	49x46	.54BS
state if flanged (top & bottom) Yes	Yes		Yes		state if flanged (top & bottom) Yes	Yes	
Spacing of Solid floors	72		72		Spacing of Solid floors	72	
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.	49	.62	49	.62	CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.	49	.62
" Angles, Top	5	.62	5	.62	" Angles, Top	5	.62
" " Bottom	"	"	"	"	" " Bottom	"	"
" " to Floors	6	.56	6	.56	" " to Floors	6	.56
Brackets at intermdt. frmg., wdth & thknss	42	.50	42	.50	Brackets at intermdt. frmg., wdth & thknss	42	.50
SIDE GIRDERS, number on each side & thickness	Two	.46	Two	.46	SIDE GIRDERS, number on each side & thickness	Two	.46
" state if flanged (top and bottom) Yes	Yes		Yes		" state if flanged (top and bottom) Yes	Yes	
" Angles (top and bottom)	3 1/2	.50	3 1/2	.50	" Angles (top and bottom)	3 1/2	.50
" " to Floors	3" F.S.	Flg.	3" F.S.	Flg.	" " to Floors	3" F.S.	Flg.
MARGIN PLATE, depth (exclusive of flange) and thickness	48	.58	48	.58	MARGIN PLATE, depth (exclusive of flange) and thickness	48	.58
" Angle to Outside Plating	4	.54	4	.54	" Angle to Outside Plating	4	.54
" " Floors	3 1/2	.50	3 1/2	.50	" " Floors	3 1/2	.50
Brackets at intermdt. frmg., wdth & thknss	45	.50	45	.50	Brackets at intermdt. frmg., wdth & thknss	45	.50
Height of Outside Brackets above at bilge	59" & 54" where 3rd Dk				Height of Outside Brackets above at bilge	59" & 54" where 3rd Dk	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	49	.58	49	.58	INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	49	.58
" " in Engine and Boiler space	.60ES	.62BS	.60ES	.62BS	" " in Engine and Boiler space	.60ES	.62BS
" " Remainder in Holds	.52	.40	.52	.40	" " Remainder in Holds	.52	.40
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	3 1/2	.48	10	3 1/2	.48	
" In way of Long Bridge	"	"	"	"	" In way of Long Bridge	"	"
Spacing	36		36		Spacing	36	
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10x3 1/2 x 3 1/2	.46	10x3 1/2 x 3 1/2	.46	BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10x3 1/2 x 3 1/2	.46
" " to Floors	36		36		" " to Floors	36	
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10x3 1/2 x 3 1/2	.46	10x3 1/2 x 3 1/2	.46	BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10x3 1/2 x 3 1/2	.46
" " to Floors	11x3 1/2 x 3 1/2	.50	11x3 1/2 x 3 1/2	.50	" " to Floors	11x3 1/2 x 3 1/2	.50
Angles on upper edge	36		36		Angles on upper edge	36	
Spacing	9	3 1/2	.44	9	3 1/2	.44	
BEAMS, Poop Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9x3 1/2 x 3 1/2	.48	9x3 1/2 x 3 1/2	.48	BEAMS, Poop Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9x3 1/2 x 3 1/2	.48
" " to Floors	36		36		" " to Floors	36	
Angles on upper edge	36 & 48		36 & 48		Angles on upper edge	36 & 48	
Spacing	36		36		Spacing	36	
BEAMS, Bridge Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	3 1/2	.48	10	3 1/2	.48	
" " to Floors	"	"	"	"	" " to Floors	"	"
Angles on upper edge	36		36		Angles on upper edge	36	
Spacing	36		36		Spacing	36	
BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9x3 1/2 x 3 1/2	.48	9x3 1/2 x 3 1/2	.48	BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9x3 1/2 x 3 1/2	.48
" " to Floors	"	"	"	"	" " to Floors	"	"
Angles on upper edge	48 & 54		48 & 54		Angles on upper edge	48 & 54	
Spacing	48 & 54		48 & 54		Spacing	48 & 54	

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

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 93.8ft., R.Q.D. / ft., Bridge 186.0ft., Forecastle 55.5 (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 should appear in the Register Book) 2 dks (Stl-Uws) & 3rd dk (Stl) in Nos. 1, 3 & 4 holds—Electric Light and wireless
Official No. ; Signal Letters State if Machinery is fitted aft No.
How are the surfaces preserved from oxidation? Inside Paint and 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>147.0</u>	<u>545.2</u>	Fore peak tank,	<u>33.5</u>	<u>168.4</u>
Double bottom, under Engines and Boilers,	<u>90.0</u>	<u>543.6</u>	After peak tank,	<u>18.0</u>	<u>110.4</u>
Double bottom, if under Engines only,	/		Deep tank, aft,	/	
Double bottom, if under Boilers only,	/		Deep tank, forward,	/	
Double bottom, forward,	<u>178.5</u>	<u>788.0</u>	Other tanks, if fitted, <u>Two F.W. Tanks in E.R.</u>	<u>6.0</u>	<u>90.1</u>
	Total capacity of double bottom	<u>1876.8</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 4155

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

Order for Special Survey No. 68.

Date 30th July 1920.

No. 346. in builder's yard.

Dates of Surveys held while building

1920. Sept. 3, Oct. 28, 30. Nov. 22. Dec. 4, 11, 1921. Jany. 11, 14, 17, 26, 28
Feb. 3, 16, 22, 24, Mar. 1, 16, 18, 23, 24, 29, 31. Apr. 6, 13, 15, 25. May 5, 9, 13, 14
19. 20, 24, 27, 31. June 2, 6, 8, 22, 25, 27, 30. July 4, 8, 12, 14, 18, 21, 25, 26, 29
Sept. 1, 6, 24. Oct. 4, 6, 11, 18, 22. Nov. 2, 4, 8, 10, 11.

Total No. of Visits 64.

Surveyor's Signature

B. Crawford

© 2021

Lloyd's Register Foundation