

ar, ~~Awning~~ Dk. ~~IRON OR~~ STEEL STEAMER.

No. 171

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

THUR. 23 SEP 1897

Date of completion of Report 3/8/97

Received at London Office

Date, First Survey 6/6/96

Last Survey 23/7

1897

of *Nagasaki*
y held *Awning deck screw str. Miyajima Maru*
he *Ste* Rig *Pole mast (2)*

VAGE under
mag Deck
tween To name Dk.
3rd At
ning Dk.

l under Upper Dk.

f Poop

f Bridge House

f Forecasts

f Houses on Deck

f excess of Hatchways

bove Crown of

ine Room ..

ss Tonnage

Crew Space

above Crown of

ine Room ..

VAGE FOR FEES...

Engine Room

Navigation Spaces

ister Tonnage

cut on Beam....

SPAR, ~~AWNING OR PART AWNING DECKED VESSEL,~~

or a Vessel having a continuous Shade Deck.

CLASS 100A.1.

FEET.

Half Breadth (moulded)

Depth from upper part of keel to top of Main Deck Beams

Girth of Half Midship Frame (as per Rule)

1st Number

Length

2nd Number

Proportions—Breadths to Length.....

Depths to Length—Main Deck to top of Keel

Destined Voyage

Master

Year of Appointment

Built at *Nagasaki*

When built 1896-7 Launched 9/14/97

By whom built *Nag. Dock & Bu. Wks.*

Owners *Osaka Shosen Kaisha*

Managers

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

Residence

Port belonging to *Osaka*

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

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, top of Floors to Spar	Feet.	Inches.	Power of	Horse.	No. of Decks with flat laid
as per Rule.....	256	59	Moulded.	34	00	do.	20	6 1/2	Engines	160	2.
Dimensions of Ship per Register, Length 245.42 breadth 34.00 depth 13.55 Spar or Awn. Dk. Moulded depth, ft. 15 ins. 9 To Main Dk. Round up of Beam, Main Dk. 8 1/2 ins.							13	6 1/2			

FRAMING.	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or a	Inches per Rule per Rule	16ths or 20ths per Rule
NAME, Angles, or Bars, for 1/2 length amidships	4	3	7/20			
Do. for 1/2 at each end	4	3	6/20			
Do. in way of Double Bottoms at Solid Floors ..	4	3	7/20			
at intermdt. Bkts.	4	3	7/20			
Distance of Frames from moulding edge to moulding edge, all fore and aft	23					
EVERSED FRAME, Angles.....	3	3	6/20			
DEEP FRAMING, depth of girder	35		7/20			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships			5/20 9/20			
in way of Engines and Boilers.....			7/20			
thickness at the ends of vessel	23					
depth at 1/2 the half-bdth. as per Rule ..	21					
height extended at the Bilges	21					
FLOORS & BRACKETS, in Cell Dble Bottoms Distance apart.....	23					
ENTRE GIRDER, in Double bottom, depth and thickness	43		7/20 9/20			
Angles, Top	4	4	5/20 9/20			
Bottom.....						
SIDE GIRDERS, number and thickness.....	20		7/20			
Angles	3	3	7/20			
MARGIN PLATE, depth (exclusive of flange) and thickness	21		7/20 9/20			
Angles	3 1/2	3 1/2	5/20 9/20			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake ..	35		8/20			
thickness in Engine and Boiler space ..			5/20 10/20			
Remainder in Holds			7/20			
BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6 1/2		7/20			
Angles on upper edge	3	3	5/20			
Average space	46					
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7/20			
Angles on upper edge	23					
Average space						
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
Angles on upper edge						
Average space						
BEAMS, Hold, or Orlop, Plate or Tee Bulb ..						
Angles on upper edge						
Average space						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
Angles on upper edge						
Average space						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	7/20			
Angles on upper edge						
Average space	46					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	6		6/20			
Angles on upper edge	2 1/2	2 1/2	5/20			
Average space	46					
BEAMS, In tween Deck, size and spacing	2 1/2	46	6/20			
Hold	3 1/2	46	6/20			
Quarter, tween Dks., ..						
in Hold ..						
WEB FRAMES, In Fore Body, No. and spacing	6	5.7	8/20			
brdth. & thickness ..	15		7/20			
No. of Side Stringers ..	2					
WEB FRAMES, In E. & B. Space, No. and spacing	3	5.6	8/20			
brdth. & thickness ..	15		7/20			
WEB FRAMES, In After Body, No. and spacing	15	15	7/20			
brdth. & thickness ..	3	3	6/20			
No. of Side Stringers ..	30					
Size of Angles or Tee Bars to Web Frames	3					
BRACKET PLATES to Stringers between Web Frames, depth and thickness	30	21	7/20			

FORGINGS AND CASTINGS.		Inches in Ship.		Inches per Rule. Or as Approved.				
KEEL, Bar or Side Plates, depth and thickness		8" x 1"						
STEM, moulding and thickness		7 1/2 x 2 3/8						
STERN-POST for Rudder do. do.		8 x 4 3/4						
" " for Propeller.....		6 1/4						
MAIN PIECE of Rudder, diameter at head ..		3 1/4						
do. at heel ..								
RUDDER, how constructed <i>Scup iron frame & two plates.</i>								
Can the Rudder be unshipped afloat? <i>Yes.</i>								
KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as	Inches per Rule Appro	16ths or 20ths in Ship.	
CENTRE LINE KEELSON, Vertical Plate above } floors, Through Plate, or Intercoastal Plate }								
" Rider Plate								
" Bulb Plate to Intercoastal Keelson								
" Horizontal Plates on Floors								
" Angles								
SIDE KEELSON, Angles.....								
" Bulb or Plate above floors, for lng.								
" Intercoastal Plate, for length								
" Attached to outside plating with Angle....								
BILGE KEELSON, Angles.....								
" Bulb or Plate above floors, for lng.								
" Intercoastal Plate, for length								
" Attached to outside plating with Angle ..								
BILGE STRINGER Angles.....		3	3	6/20				
" Bulb Plate, for length								
" Intercoastal Plate, for 1/2 length		15		7/20				
" Attached to outside plating with Angle ..		3 1/2	3 1/2	7/20				
SIDE STRINGER Angles		3	3	6/20				
" Bulb or Intercoastal Plate, for 1/2 lng.		15		7/20				
" Attached to outside plating with Angle		3 1/2	3 1/2	7/20				
Spar, or Awning Deck Stringer Plates, } breadth and thickness		4 1/2	2 1/2	7/20 9/20				
" Angle on ditto		4	4	8/20				
" Tie Plates, fore and aft, outside Hatchways		12		9/20 7/20				
" Diagonal Tie Plates, No. of prs.								
" Deck * Iron or Steel, for lng.								
" Wood Deck. Material & thickness <i>Dragon pine</i>				6 x 3 1/2				
Main Deck Stringer Plate, breadth & thickness		36	2 1/2	14/20 9/20				
" Angles on ditto, No. <i>Iron</i>		4 1/2	4 1/2	9/20				
" Tie Plates, outside Hatchways		12		10/20				
" Diagonal Tie Plates, No. of prs.								
" Deck * Iron or Steel, for <i>whole</i> lng.				7/20				
" Wood Deck. Material & thickness								
Lower Deck Stringer Plates, br'dth & thckn's								
" Angles on ditto, No.								
" Tie Plates, outside Hatchways								
" Deck * Material and thickness								
Hold, or Orlop Stringer Plate, br'dth & thckn's								
" Angles on ditto, No.								
" Tie Plates, outside Hatchways								
" Deck. Material and thickness.....								
Poop Deck Stringer Plate, breadth & thickness								
" Angles on ditto.....								
" Tie Plates								
" Deck. Material and thickness.....								
Bridge Deck Stringer Plate, br'dth & thickness		35		7/20				
" Angle on ditto		3 x 3		7/20				
" Tie Plates		12		7/20				
" Deck. Material and thickness <i>Dragon pine</i>				6 x 3 1/2				
Forecastle Deck Stringer Plate, br'dth & th'kns		35		7/20				
" Angle on ditto		3 x 3		7/20				
" Tie Plates		12		7/20				
" Deck. Material and thickness <i>Dragon pine</i>				6 x 3 1/2				
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.								
BULKHEADS.		Number.	Thickness.	STIFFENERS.			Single or Double Frames.	Height up.
		In Vessel.	Per Rule.	Horizontal.	Vertical.	Spacing		
			16ths or 20ths.	Inches.	Inches.	Inches.		
W. T. BULKHEADS		65	4	9/20	4 x 3 1/2	4 x 3 1/2	2 x 6	2
PARTITION								
LONGITUDINAL								
Are the outside Plates doubled two spaces of Frames in length? <i>Yes.</i>								

PLATING.										RIVETING.																																																																																																																																			
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.																																																																																																																																		
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.	Double or Treble or for what Length.	RIVETS.		STRAPS.		IF LAPPED.																																																																																																																														
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.					Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.																																																																																																																													
FLAT PLATE KEEL (If Bar Keel, state Riveting)																																																																																																																																													
GARBOARD OR A Strake	35	11	10	10-11			Double	5 1/2	7/8	3 1/2	Double	3 1/4	2 7/8																																																																																																																																
State actual thickness in way of Double Bottom.	B	39 1/2	10	8	8		"	4 1/2	7/8	3 1/2	"	7/8	3 1/2																																																																																																																																
C	47 1/2	9	8	8			"	4 1/2	7/8	3 1/2	"	"	"																																																																																																																																
D	39 1/2	10	8	8			"	"	"	"	"	"	"																																																																																																																																
E	47	10	8	8			"	5 1/2	7/8	4	Double	7/8	"																																																																																																																																
F	45 1/2	10	8	8			"	4 1/2	7/8	3 1/2	"	"	"																																																																																																																																
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J	47 1/2	10	8	8			"	"	"	"	"	"	"																																																																																																																																
Main Plate	K	32	13	13	9		"	"	"	"	Double	7/8	3 1/2																																																																																																																																
L	44 1/2	8	8	6			"	"	"	"	Double	3 1/4	2 7/8																																																																																																																																
Spar	M	38	11	11	8		"	"	"	"	Double	7/8	3 1/2																																																																																																																																
N	37	6	6	6			Single	2 1/2	3/4	3 1/2	Double	7/8	2 1/4																																																																																																																																
O	48	6	6	6			"	"	"	"	"	"	"																																																																																																																																
P							"	"	"	"	"	"	"																																																																																																																																
Q							"	"	"	"	"	"	"																																																																																																																																
DOUBLING OF Flat Plate Keel																																																																																																																																													
(of Bilges)	Main		Spar																																																																																																																																										
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POOP SIDES																																																																																																																																													
BRIDGE SIDES	48 3/4	6	6	6																																																																																																																																									
FORECASTLE SIDES	48	6	6	6																																																																																																																																									
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. Siemens Martin process.										Spar or Awning Butts, treble riveted for half length amidship.																																																																																																																																			
Cuscutt, Iron Works, S. Colville & Sons										Stringer Plate (Straps, single, double or overlapped for length amidship.																																																																																																																																			
Jas. Muller & Co. Lancashire Steel Co.										Main Stringer Butts, treble riveted for (Cap) half length amidship.																																																																																																																																			
Clyde Bridge Steel Co.										Plate (Straps, single, double or overlapped for length amidship.																																																																																																																																			
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										Frames, riveted through Plates with 3/4 in. Rivets, about 3 1/4 apart.																																																																																																																																			
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FRAMES extend in one length from bilge to fore deck. In bridge & forecabin to three decks.																																																																																																																																													
REVERSED FRAMES on floors and frames, extend from bilge to main and spar decks alternately. In way of bridge & forecabin they are carried up right through.																																																																																																																																													
MASTS, SPARS, &c.																																																																																																																																													
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Boats. Two life boats. Two Cutters. One gig. One launch. All new complete.																																																																																																																																													
Pumps, Number one to each compartment. Diameter of Barrel and Tail Pipe 5" barrels; 2 1/2" pistons paper.																																																																																																																																													
Windlass is steam. Emerson & McKim patent. Capstan driven by engine and hand.																																																																																																																																													
Engine Room Skylights. How constructed? 17 steel plate with 6 flies, having 6 glass bullseyes in each 7' 10"																																																																																																																																													
What arrangements for deadlights in bad weather?																																																																																																																																													
Coal Bunker Openings. How constructed? Small hatches. How are lids secured? Lugs. Height above deck? 1' 9 1/2"																																																																																																																																													
Number of Scuppers, and number and dimensions of Freeing Ports, &c. Four 4" scuppers. Open bulwarks.																																																																																																																																													
Ceiling in Holds, thickness and material 2" Jap. Cedar. Ceiling 'tween Decks, thickness and material 2" Jap. Cedar.																																																																																																																																													
Cargo Hatchways. How formed? Plate channel 24" high in spar 1 1/2" on main Hatches. If strong and efficient? Yes.																																																																																																																																													
State size No. 1 Hatch (Forward) 15' 6" x 12' 0". No. 2 Hatch 19' 0" x 12' 0". No. 3 Hatch 15' 6" x 12' 0". No. 4 Hatch 15' 6" x 12' 0".																																																																																																																																													
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. 1 shifting beam and 3 fore and afters.																																																																																																																																													
No. of Breasthooks 2. No. of Crutches 4.																																																																																																																																													
Bulwarks, height above deck and description Open. 3' 0" above deck. Main Rail, material and size Steel 2 1/2" x 2 1/2"																																																																																																																																													
The above is a correct description. M. Sugitani																																																																																																																																													
Builder's Signature (M. Sugitani) Surveyor's Signature J. H. Green																																																																																																																																													
Surveyor to Lloyd's Register of British & Foreign Shipping.																																																																																																																																													

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

Letter M. 4/12/96 & E. 22/4/97. Since 13/10/96 & 4/3/97.

Workmanship. Are the butts of plating planed or otherwise fitted? Yes.

Is the riveted work properly closed? Yes.

Are the liners between the frames and plates solid single pieces? Yes.

Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes.

Do any rivets break into or through the seams or butts of plating? No.

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes.

General Remarks (State quality of workmanship, &c.) The trifling alterations called for in the scantlings, as submitted, have been carried out. The material is of the best throughout, by the makers given. I have examined the testpieces and the certificates furnished, which were quite satisfactory. The work generally is good, the time and labor expended being such as is unknown in any yard in Great Britain. The anchors, chains and other portions of the equipment are in excess of the requirements generally, and I have compared the marks with those given in the certificates and found them to agree. There were, however, no certificates for the wires (steam and towline) and the builders assure me that they were made with these. They are said to be Haggies make and are evidently excellent.

The Surveyor should state the Number of Report and Name of any Sister Vessel. P. S. Lima. No 107.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. or Break ft., Bridge Dk. 55.5 ft., Forecastle 39.3 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) Spar deck wood: Main deck steel.

Official No. ; Signal Letters

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 Yes.

Where fitted.	Length.		Water Capacity.	Where fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft.	53' 8"	57	Fore peak tank,	17' 0"	65		
Double bottom, forward.	94' 7"	115	After peak tank,	9' 5"	27		
Double bottom, under Engines and Boilers,			Midship deep tank,				
Double bottom, if under Engines only,	19' 2"	37	Other tanks, if fitted,				
Double bottom, if under Boilers only,	24' 11"	45	(If necessary, furnish further information by sketch.)				

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

Order for Special Survey No. 6.7.8.9.27.28.29/6/96-5.6.7.19.20.21/7/96

Date

Order for Ordinary Survey No. 10.11.12.19.20.21.29.30.31/8-18.19.20/9-3.4.5

Date

No. in builder's yard

1st. On the several parts of the frame, when in place, and before the plating was wrought 6.7.8.9.27.28.29/6/96-5.6.7.19.20.21/7/96

2nd. On the plating during the process of riveting 10.11.12.19.20.21.29.30.31/8-18.19.20/9-3.4.5

3rd. When the beams were in and fastened, and before the decks were laid 30.31/10-1.2.15.16/11-19.20.21.22/12/96-9.10.11.23

4th. When the ship was complete, and before the plating was finally coated or cemented 24.25/1-13.14.15/2-6.7.8.29.30/3-1.2/4-17.18.19/4

5th. After the ship was launched and equipped 9.10.11/5-12.13.14/6-14.15.16.26.27/7/97 Total No. of Visits 71.

The amount of Entry Fee £ 4 : 0 : 0

Special Survey Fee £ 650.00

Travelling Expenses, if any £ 375.00

Fees applied for, 2/8 18

Received by me, 9/6 1897

I am of opinion this Vessel should be Classed + 100. A.1.

With, Freeboard, as condition of Class.

Committee's Minute FRI, 31 DEC 1897

Character assigned 2 A.1. 100A.1. Spar dk with fob. 55' 8 1/2 subject

WG 2.90 + NB 10.88 } filled 97

NB 83

1 Str (Stk) + Web frames + Spar dk.

Lloyd's Register Foundation