

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office

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

Date of completion of report 30 Nov 1901 Port of Nagasaki No. 219
Survey held at Nagasaki Date, First Survey 26 June 1900 Last Survey 27 November 1901
On the Steel Twin Screw Steamer "Iyo Maru" Rig Two masts

Tonnage under Tonnage Deck 5386.21
Do. between Tonnage Dk. and 3rd and 4th Dk. 171.49
Total under Upper Dk. 5557.70
Do. of Poop 406.38
Do. of Bridge House 102.82
Do. of Forecastle 232.67
Do. of Houses on Dk. 6319.57
Do. of excess of Hatchways 379.17
Do. above Crown of Engine Room 5940.40
Gross Tonnage 2622.26
Less Crew Space 3918.14
Less above Crown of Engine Room 3918.14
Net Tonnage 3918.14
Net on Beam 3918.14

THREE DECKED VESSEL.
CLASS +100 A1
Half Breadth (moulded) 24.58
Depth from upper part of Keel to top of Upper Deck Beams 34.52
Girth of Half Midship Frame (as per Rule) 55.29
deduct 7 feet 7.00
1st Number 107.39
Length on deck from after part of stem to fore part of stern post 443.00
2nd Number 475.73
Proportions—Breadth to Length 9.0
Depth to Length—Upper Deck to top of Keel 12.83
Main Deck ditto 16.67
Destined Voyage Seattle

Master S. J. G. Parsons.
Year of appointment (1) As Master in service of owner of present vessel—18. (2) As Master of this vessel—18.
Built at Nagasaki
When built 1901 Launched 24 Aug 1901
By whom built Mitsui Bishi Olyd & Eng. Wks.
Owners Nippon Yusen Kaisha
Managers (Where necessary to be entered in Reg. Book.)
Residence Yokio
Port belonging to Yokio

TH on Deck 443 0 BREADTH—Feet. Inches. Moulded 49 2 DEPTH, ACTUAL—Feet. Inches. Top of Floors to top of Upper Dk. Beams 30 5 1/2 No. of Decks with flat laid Two
er Rule 443 0 Do. do. do. Main Dk. Beams 22 5 1/2 No. of Tiers of Beams Two
Dimensions of Ship per Register, Length 443.3 breadth 49.5 depth 30.4 Moulded depth, ft. 33 ins. 6 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.				FORGINGS or CASTINGS.			
	Inches in Ship	Inches in Ship	20ths in Ship		Inches in Ship	Inches per Rule Or as Approved.	
KE, Angles, or L, E or C Bars for 1/2 length amidships	6 1/2	3 1/2	11	KEEL, Bar or Side Plates, depth and thickness	Plate	Plate	
for 1/2 at each end			10	STEM, moulding and thickness	12 x 3 1/4	12 x 3 1/4	
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	11-10	STERN-POST for Rudder do. do.	12 1/2 x 7 3/4	12 1/2 x 7 3/4	
" " at intermdt. Bkts.	all solid		flum	" for Propeller	10 1/2	10 1/2	
Place of Frames from moulding edge to moulding edge, all fore and aft	30		30	MAIN PIECE of Rudder, diameter at head	5 1/4	5 1/4	
PERSED FRAME, Angles	7	3 1/2	11-10	" do. at heel			
P FRAMING, depth of girder	10 1/2		10 1/2	RUDDER, how constructed	Single plate, movable arms		
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				Can the Rudder be unshipped afloat?	Yes		
in way of Engines and Boilers				KEELSONS & STRINGERS.			
thickness at the ends of vessel	no plate		8	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate			
depth at 1/2 the half breadth, as per Rule				" Rider Plate			
height extended at the Bilges				" Bulb Plate to Intercostal Keelson			
ORS & BRACKETS in Cell Dble Bottoms	30		10-9	" Horizontal Plates on Floors			
Distance apart	48		11-9	" Angles			
TRE GIRDER, in Double bottom, depth and thickness	4	4	10	SIDE KEELSON, Angles			
" Angles, Top	6 1/2	4 1/2	10-9	" Bulb or Plate above floors, for lng.			
" Bottom	3 1/2	3 1/2	10	" Intercostal Plate, for length			
E GIRDERS, number on each side & thickness	40		11	" Attached to outside Plating with Angle			
" Angles	4	4	10	BILGE KEELSON, Angles			
GIN PLATE, depth (exclusive of flange) and thickness	36		11-9	" Bulb or Plate above floors, for lng.			
" Angles to Outside Plating	13/16 in B. Sp.		12/16 in B. Sp.	" Intercostal Plate for length			
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	10 1/2 x 20		9-8	" Attached to outside Plating with Angle			
" in Engine and Boiler space	11		11	BILGE STRINGER Angles			
" Remainder in Holds	6 10		10	" Bulb or Intercostal Plate, for lng.			
AMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	12		12	" Attached to outside plating with Angle			
" Angles on upper edge	6 11		11	Upper Deck Stringer Plates, br'dth & thickness	67 1/2 x 51 1/2	67 1/2 x 51 1/2	16-9
" Average space	60		60	" Angle on ditto	5 1/2	5 1/2	13-10
AMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6 11		11	" Tie Plates fore and aft, outside Hatchways			
" Angles on upper edge	60		60	" Deck * Iron or Steel, for whole lng.	9-8	9-8	9-8
" Average space	60		60	" Wood Deck. Material & thickness	Lead 3	Lead 3	9-8
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	12		12	Middle Deck Stringer Plate, br'dth & thickness	67 1/2 x 51 1/2	67 1/2 x 51 1/2	16-9
" Angles on upper edge	6 11		11	" Angles on ditto, No. Two	4 x 4	4 x 4	9-8
" Average space	60		60	" Tie Plates outside Hatchways			
AMS, Hold, or Orlop, Plate or Tee Bulb				" Diagonal Tie Plates on Bms, No. of prs.			
" Angles on upper edge				" Deck * Iron or Steel, for whole lng.	9-8	9-8	9-8
" Average space				" Wood Deck. Material & thickness			
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	9		9	Lower Deck Stringer Plate, br'dth & thickness	44 x 36	44 x 36	13-10
" Angles on upper edge	60		60	" Angles on ditto, No. Two	4 x 4	4 x 4	9-8
" Average space	60		60	" Tie Plates, outside Hatchways	9 x 3	9 x 3	13-8
AMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2		3	" Deck * Material and thickness	30 x 26	30 x 26	13-9
" Angles on upper edge	30		30	Hold, or Orlop Stringer Plate, br'dth & thckn's	4 x 4	4 x 4	9-8
" Average space	30		30	" Tie Plates outside Hatchways	9 x 3	9 x 3	13-8
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2		3	" Deck. Material and thickness			
" Angles on upper edge	30		30	Poop Deck Stringer Plate, breadth & thickness	38	38	9
" Average space	30		30	" Angle on ditto	4 x 4	4 x 4	10
LLARS, In 'tween Deck, size and spacing	3 x 3/4 in		3 x 3/4 in	" Tie Plates	14	14	9
" Hold 4 3/4 x 7/16	6 x 7/16 hollow		6 x 7/16 etc	" Deck. Material and thickness	Lead 9	Lead 9	9
" Quarter 'tween Dks.	3 x 3/4 in		3 x 3/4 in	Bridge Deck Stringer Plate, br'dth & thickness	48	48	11
" in Hold	6 x 7/16 hollow		6 x 7/16 hollow	" Angle on ditto	4 x 4	4 x 4	11
WEB-FRAMES, In Fore Body, No. and spacing	Three 26 11-10		Three 26 11-10	" Tie Plates	Plated over		
" br'dth. & thickness	alternately, with chds.			" Deck. Material and thickness	Lead 3	Lead 3	9
" No. of Side Stringers	Two		Two	Forecastle Deck Stringer Plate, br'dth & th'kns	38	38	9
WEB-FRAMES, In E. & B. Space, No. & spacing	One in B. Sp.		One in B. Sp.	" Angle on ditto	4 x 4	4 x 4	10
" br'dth. & thickness	26		26	" Tie Plates	3 1/2	3 1/2	7
WEB-FRAMES, In After Body, No. and spacing	Two		Two	" Deck. Material and thickness	Lead 9	Lead 9	9
" br'dth. & thickness	26		26	BULKHEADS.			
" No. of Side Stringers	Two		Two	Number. In Vessel. Per Rule.			
Size of Angles or Tee Bars to Web-Frames	6 4		6 4	W. T. BULKHEADS	7	7	
BRACKET PLATES to Stringers between Web Frames, depth and thickness	30 x 2 1/2		30 x 2 1/2	PARTITION	2	2	
				LONGITUDINAL			

PLATING.

STRAKES.	AS IN SHIP.						PER RULE OR AS APPROVED.		EDGES.				RIVETING.								BUTTS.			
	AMIDSHIP.			FORWARD.			AFT.	AMIDSHIP.			Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Breadth.	Thickness.	Inches.	Diam.			Spacing or to cr.	Diam.		Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.				
FLAT PLATE KEEL.....	36	20	15	15	36	20	15	Double	6	1	3 1/4	Treble	1	3 1/2	19	16-11	Butt & Str.							
(If Bar Keel, state Riveting)																								
GARBOARD OR A Strake ...	48	15	14	14	48	15	14	"	6	1	"	"	1	"	"	"	"	"						
State actual thickness in way of Double Bottom.																								
B "		13	11	11		13	11	"	"	"	"	"	"	"	"	"	"	"						
C "		14	12	12		14	12	"	6	1	"	"	"	"	"	"	"	"						
D "		16	13	13		16	13	"	"	"	"	"	"	"	"	"	"	"						
E "		17	14	14		17	14	"	6	1	"	"	"	"	"	"	"	"						
F "		16	13	13		16	13	"	6	1	"	"	"	"	"	"	"	"						
G "		15	12	12		15	12	"	"	"	"	"	"	"	"	"	"	"						
H "		14	11	11		14	11	"	"	"	"	"	"	"	"	"	"	"						
I "		15	12	12		15	12	"	"	"	"	"	"	"	"	"	"	"						
J "		14	11	11		14	11	"	"	"	"	"	"	"	"	"	"	"						
K "		15	12	12		15	12	"	"	"	"	"	"	"	"	"	"	"						
L "		14	11	11		14	11	"	"	"	"	"	"	"	"	"	"	"						
M "		15	12	12		15	12	"	"	"	"	"	"	"	"	"	"	"						
N "	54	19	11	11	54	19	11	"	6	"	"	"	"	"	"	"	"	"						
O "	49	21	12	12	49	21	12	"	6	"	"	"	"	"	"	"	"	"						
P "																								
Q "																								
R "																								
DOUBLING OF Flat Plate Keel		15	1/2	2		15																		
Length of Bilges																								
of Sheerstrakes.																								
of Strake below																								
POOP SIDES																								
BRIDGE SIDES	9x10				9x10																			
FORECASTLE SIDES																								

Write Sheer Strake opposite its corresponding letter.

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, etc.: *Steel Co. of Scot. South Darnham Iron & Steel Co. Connell Iron Co. O Colville & Co. Bolton Vaughan & Co. W Beardmore & Co. James McKinnon Steel Co. Glas. Iron & St. Co. Lyndal & Co. Burslem Forge & Works, Birkenhead, Lancs. Has the steel been tested as required by the Rules? Yes.*

Upper Deck Butts, treble riveted for whole length amidship.
Stringer Plate Straps, single, double or overlapped for whole length amidship.
Middle Deck Butts, treble riveted for whole length amidship.
Stringer Plate Straps, single, double or overlapped for whole length amidship.
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? *Not Done*
Inner Bottom Plating, riveting of Edges *Double* Butts *Double*
Centre Girder Butts, *Treble* riveted *Keelson Butts*, riveted
Frames, riveted through Plates with 1 1/8 in. Rivets, about 5 to 6 apart.
Rivets, state whether Iron or Steel. *Iron*

FRAMES extend in one length from *Tank margin* to upper deck, full carried up in erections.
REVERSED FRAMES on floors and frames extend from *the tank margin to the upper d.k. for half length amidships* and fore & aft of half length alternately to upper & main decks. Alteration to full main dks.

MASTS, SPARS, &c.

	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANULES.		RIVETING.	
			At Partners.	Heel.	Round.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	<i>Steel</i> 140' x 3"	24' x 7/16"	21' x 3/16"	22' x 1/2"	8' x 5/16"	Two	3	3 x 3 1/2"	Single	Treble
	Main	119' x 1 1/2"	25' x 7/16"	24' x 3/16"	21' x 1/2"	8' x 5/16"</					

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

M. 12.1.00

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? yes.

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 plating? No.

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. 23, par. 24)? yes.

State results of tests. Satisfactory.

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? yes.

State results of tests. Satisfactory.

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans & the requirements of the Rules. The workmanship is of good quality throughout. The steel used is certified to have been tested as required by the Rules.

The bulkheads & shaft tunnel have been tested by means of the water hose & found tight. The hand pumps & watertight doors are in good order.

The approved plans were forwarded with the report upon the sister vessel "Kaga Maru" (Mitsu Bishi Yd. No 123. Nag Rep. No 202)

The Surveyor should state the Number of Report and Name of any Sister Vessel. Kaga Maru. M. 13 No 123

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 56 ft., R.Q.D. or Break ft., Bridge Dk. 120 ft., F'castle 58 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 DPs (Stl. & U. teak sheathed)

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Cement & paint 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, Nos 6 & 7. 233 ft x 103 ft	142.5	336	Fore peak tank,		100
Double bottom, under Engines and Boilers,			After peak tank,		80
Double bottom, if under Engines only, No 5. 325	22.5	89	Midship deep tank,	28	490
Double bottom, if under Boilers only, No 4	30.0	118	Other tanks, if fitted, (Separate 7 Water tank 40 tons)		
Double bottom, forward, Nos 1, 2 & 3. 99 ft x 21 ft x 32 ft x 200 ft	63.5	635	(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

No. 125 in builder's yard.

Dates of Surveys held while building

26 June 1900 to 27 Nov. 1901

Continuous attendance.

Total No. of Visits

The amount of Entry Fee.....£ 5 : 0 : 0

Special Survey Fee ...£ 260 : 6 : 6

Travelling Expenses, if any £ : :

Fees applied for, 26.11.01

Received by me, 27.11.01

Certificate to be sent to Nagasaki Office

A. L. Jones

State whether the Vessel has been built under Special Survey. yes

I am of opinion this Vessel should be Classed +100 A1. Steel

With, or without Freeboard, as condition of Class. Without

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


Committee's Minute FRI. 10 JAN 1902

Character assigned 100 A1 Steel

Reported

+ 2 mch 11, 01

Signature

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