

With or Without  
Disconnected Erections.

STEEL STEAMER.

Received at London Office 12 1916  
1916

Date of completion of report 11<sup>th</sup> July 1916 Port of Nagasaki No. 1075  
Survey held at Nagasaki Date, First Survey Sept 13-1915 Last Survey 8 July 1916  
On the (State if Single, Twin, or Triple Screw) S.S. "YAMAGATA MARU" Rig Schooner

TONNAGE under  
Tonnage Deck...  
Do. between Tonnage Dk. and 3rd and 4th Dk.  
Total under Upper Dk. 3462.85  
Do. of Poop 98.41  
Do. of R.Q.Dk.  
Do. of Bridge House 50.17  
Forecastle 53.33  
Houses on Dk. 102.80  
Excess of Hatchways 23.95  
Above Crown of  
Engine Room 3791.76  
Crew Space 199.77  
Above Crown of  
Engine Room 3591.76  
AGE FOR FEES...  
Engine Room 1213.29  
Navigation Spaces 23.60  
Peak Tank 8.00  
Net Tonnage 2346.87  
Destined Voyage Bombay

CLASS +100 A-1.  
Breadth (greatest moulded) 50.00  
Depth, at middle of length from top of keel to top of upper deck beams at side 29.08  
Transverse Number 79.08  
Length on deck from fore part of stem to after part of stern post 345.00  
Longitudinal Number 27282.60  
Depth "d," at middle of length (See Secs. 2 & 13) 17.50  
Proportions—Depths to Length—Upper Deck Beam at side to top of keel 11.86  
Long Bridge Deck Beam at side to top of keel  
Master K. Kudo  
Year of appointment (1) As Master in service of owner of present vessel—1916  
(2) As Master of this vessel—1916  
Built at Nagasaki  
When built 1916 Launched 3 May 1916  
By whom built Nippon Yusen Kaisha  
Owners Nippon Yusen Kaisha  
Managers  
Residence Yokohama  
Port belonging to Yokohama

Dimensions of Ship per Register. Length 345' breadth 50' depth 29'-1"  
Moulded depth, ft. 29 ins. 1 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 1/2 ins.  
Moulded depth, ft. 29 ins. 1 To Upper Dk.

FRAMING.						PILLARS.								
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.			
AME, Angles, or E or L Bars amidships	10 1/2	3 1/2	52	10 1/2	3 1/2	52	PILLARS, In 'tween Deck, size and spacing					2 Row wide space		
Do. in peaks	7	3 1/2	42	7	3 1/2	42	"	"	Hold	"	"			
Do. in way of Double Bottoms at Solid Floors	4	3 1/2	38	4	3 1/2	38	"	"	Quarter 'tween Dks.,	"	"			
" " at intermdt. Bkts.	8	3 1/2	46	8	3 1/2	46	"	"	in Hold	"	"			
acing of Frames from centre to centre amidships		33			33		KEELSONS & STRINGERS.							
" " length to Collision bulkhead		27			27		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate							
" " in peaks		24			24		"	Rider Plate						
VERSED FRAME, Angles	3 1/2	3 1/2	38	3 1/2	3 1/2	38	"	Flat Plate Keel Angles						
Do. in way of Double Bottoms at Solid Floors	flanged	7 1/2	3 1/2	46	7 1/2	3 1/2	46	"	Horizontal Plates on Floors					
" " L at intermdt. Bkts.		10 1/2			10 1/2			"	Angles or Bulb Angles					
AMING, depth of girder								SIDE KEELSONS, Number						
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships							"	Angles or Bulb Angles						
in way of Engine and Boiler Spaces		E-38	B-48		E-38	B-48	"	Plate above floors, for length						
thickness at the ends of vessel			38			38	"	Intercostal Plate, for length						
depth at 1/2 the half breadth, as per Rule							"	Attached to outside Plating with Angle						
height extended at the Bilges		60			60		BILGE KEELSON, Angles							
DOORS in Cell. Double Bottoms		41	38		41	38	"	Intercostal Plate for length						
state if flanged (top & bottom)		66			66		"	Attached to outside Plating with Angle						
Spacing of Solid floors		41	50		41	50	SIDE STRINGERS, Number 2 flanging					33 27 42		
VTRE GIRDER, in Dbl. bottom, dpth. & thcknss.		4 1/2	4 1/2	12/20	4 1/2	4 1/2	58	"	Angle					3 1/2 3 1/2 46
" " Angles, Top		4 1/2	4 1/2	58	4 1/2	4 1/2	58	"	Intercostal Plate, for whole length					42
" " Bottom		5	5	52	5	5	52	"	Attached to outside plating with Angle					5 5 54
" " to Floors		27	40		27	40		Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)					53 54 53 54	
Brackets at intermdt. frmg., wdth & thcknss		2	36		2	36		" " br'dth & thickness (in way of Bridge)					5 x 5 56 4 1/2 x 4 1/2 56	
E GIRDERS, number on each side & thickness		3 1/2	3 1/2	38	3 1/2	3 1/2	38	" " Angle (clear of Bridge)						
state if flanged (top and bottom)		3 1/2	3 1/2	38	3 1/2	3 1/2	38	" " Tie Plate at sides of Hatchways						
" " Angles (top and bottom)		33	46		33	46		Deck. * Iron or Steel, for whole lng.					42 42	
" " to Floors		3 1/2	3 1/2	38	3 1/2	3 1/2	38	" " Thickness (clear of Bridge)					42 42	
RGIN PLATE, depth (exclusive of flange) and thickness		3 1/2	3 1/2	44	3 1/2	3 1/2	44	" " (in way of Bridge)					42 42	
" " Angle to Outside Plating		5	3 1/2	38	5	3 1/2	38	" " Wood Deck. Material & thickness none						
" " Floors		27	40		27	40		Second Deck Stringer Plate, br'dth & thickness					46 44 46 44	
Brackets at intermdt. frmg., wdth & thcknss		41	48		41	48		" Angles on ditto, No. 3 1/2 flanges						
Height of Outside Brackets above at bilge		23			23			" Tie Plates outside Hatchways					32 32	
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake		E-48	B-54		E-48	B-54		" Deck. * Iron or Steel, for whole lng.						
" " in Engine and Boiler space			42			42		" Wood Deck. Material & thickness none						
" " Remainder in Holds		7 1/2	3 1/2	42	7 1/2	3 1/2	42	Third Deck Stringer Plate, br'dth & thickness						
MS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel								" Angles on ditto, No.						
In way of Long Bridge								" Tie Plates outside Hatchways						
Spacing		33			33			" Deck. Material and thickness						
MS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel		8 1/2	3	50	8 1/2	3	50	Fourth and Fifth Deck Stringer Plate, breadth & thickness						
Spacing		33			33			" " Angles on ditto, No.						
MS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel								" " Tie Plates outside Hatchways						
Angles on upper edge								" " Deck. Material & thickness						
Spacing								Poop Deck Stringer Plate, breadth & thickness					33 34 33 34	
MS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		8 1/2	3	50	8	3	42	" Angle on ditto					3 1/2 x 3 1/2 34 3 1/2 x 3 1/2 34	
Angles on upper edge								" Tie Plates					9 34 9 34	
Spacing		48-33			48-33			" Deck. Material and thickness 0. Pm					3" 3" 38 40	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		7	3	44	7	3	44	Bridge Deck Stringer Plate, br'dth & thickness					38 40 38 40	
Angles on upper edge								" Angle on ditto					3 1/2 x 3 1/2 40 3 1/2 x 3 1/2 40	
Spacing		33			33			" Tie Plates						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		8	3 1/2	46	8	3	46	" Deck. Material and thickness 5/16 x 5/8					3" 30 3" 30	
Angles on upper edge								Forecastle Deck Stringer Plate, br'dth & th'kns					33 34 33 34	
Spacing		54-48			54-48			" Angle on ditto					3 1/2 x 3 1/2 34 3 1/2 x 3 1/2 34	
								" Tie Plates						
								" Deck. Material and thickness 5/16 x 5/8					3" 0 P 26 3" 26	

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

Lloyd's Register

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



[illegible]

EQUIPMENT No. 28361				LETTER W.				ANCHORS.				TONNAGE U.K. OR TONNAGE NO. FOR RAILWAYS				FOR TRAWLERS			
Number of Certificate	Anchors	WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31		Description of Anchor	Makers	Where and when tested and Superintendent							
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwt.					qrs.	lbs.	Cwts.	qrs.	lbs.	
45263	1st Bower ...	51	0	21				43	1	2	7	52	2	0	Nello paton	Jos. Wright	Sept. 11/10/15 Penno		
45264	2nd " ...	50	3	0				42	16	3	14	52	2	0	" "	"	" 8/10/15 "		
45264	3rd " ...	50	0	14				42	9	0	7	44	2	0	" "	"	" 12/10/15 "		
	4th " ...																		
	Collective weight,	152	0	7								149	2	0					
45268	Stream .....	14	0	18	3	3	0	15	14	2	21	14	0	0	ordinary	-	Sept. 13/10/15 Penno		
45269	Kedge.....	6	0	13	1	2	11	8	7	2	0	6	0	0	"	"	" " "		

  

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate	Length and size supplied		Test per Certificate	WEIGHT OF CHAIN CABLE		Length and Size per Table 31	Description	Makers of Cables	Where and when tested, and Superintendent	Material	Length and Size supplied		Breaking Test of Steel Wire Towline	Length and Size per Table 31					
	Fathoms.	Inches.		Supplied.	Per Rule.						Fathoms.	Inches.		Fathoms.	Inches.				
47807	270	2 1/2	76.5	10.2	10.5	85-112	673	3/4	270	2 1/2	Stud	M.N.Parker	Sept. 13/10/16 Penno	TOWLINE S.W. 120 11 1/2 47.5	120 12 0 47.5				
														HAWSERS & WARPS S.W. 90 3 3/4 22.7	90 3 3/4 22.7				
														S.W. 90 2 1/2 15.7	90 2 1/2 15.7				
														Mainila 90 7	90 7				
														90 7	90 7				

**Boats** 3      **Steering Gear, Steam** Mutsutische      **Steering Gear, Hand** screw ✓  
**Pumps, Number** 1 Downton, 1 hand 6 fore peak      **Diameter of Barrel** 5 1/2      **State whether they are in efficient working order** yes ✓  
**Windlass** is Steam. Mitsutische Co.      **Capstan** ✓  
**Engine Room Skylights**.—How constructed? steel & bulls eyes      What arrangements for deadlights in bad weather? none.  
**Coal Bunker Openings**.—How constructed? steel coamings      How are lids secured? lion bands      Height above deck? 18 below bridge.  
**Number of Scuppers**, and numbers and dimensions of Freeing Ports, &c. 4 scuppers fore & 4 aft each side. Pnts for 3 at 5' 1" x 1' 4". Aft 8'.  
**Ceiling in Holds**, thickness and material 2 1/2 Pine      **Cargo Battens**, thickness and material 2" pine ✓  
**Cargo Hatchways**.—How formed? steel coamings & solid covers      **Hatches**, If strong and efficient? yes.  
**State size No. 1 Hatch (Forward)** 27-6 x 18      **No. 2 Hatch** 33 x 18      **No. 3 Hatch** 30-3 x 18      **No. 4 Hatch** 27-6 x 18  
**Number of Web Plates, Shifting Beams and Fore and Afters** to each Hatch N°1=5. N°2=7 N°3=6. N°4=5.  
**No. of Breasthooks** 8      **No. of Crutches** 3  
**Bulkheads**, height above deck and description 3'-8" steel 6" bulk plate stays      Main Rail, material and size 6 x 3 lb. Angle.  
The foregoing is a correct description. **MITSUBISHI DOCKYARD & ENGINE WORKS.**      Surveyor's Signature G. D. Aitken.  
Builder's Signature (here only) J. Kishida General Manager.      Surveyor to Lloyd's Register of Shipping.

**Correspondence**.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case).  
1915 Nov. 13 May. M. 18 May. M. 17 June.

**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 of Sections, Profile Longings, Bottom strengthening, Poop str + wide spaced girders, will be sent under separate cover.

Sister vessel to "Akita Maru" Regt N°1065  
The Surveyor should state the Number of Report and Name of any Sister Vessel.  
Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee ..... £ 5 : 0 : 0	Fees applied for, 10/7 1916	Certificate to be sent to Nagasaki Date of issue 22/8/16.
Special Survey Fee.... £ 179 : 13 : 10	Received by me. 11th July 1916	
Travelling Expenses, if any £ :		

State whether the Vessel has been built under Special Survey yes  
I am of opinion this Vessel should be Classed +100 A.1  
With, or without Freeboard, as condition of Class without

G. D. Aitken  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 22. AUG. 1916  
Character assigned 100A.1.  
Lloyd's A.C.L. + L.M.C 7.16 F.D.



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33 ft., R.Q.D. 1 ft., Bridge 74 ft., Forecastle 40 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 sks. (steel)

Official No. later; Signal Letters later State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Paint & Cement. Pumpers Bit-solvent Outside Paint  
Boiler tank floors bit-enamel. Tank top under 6 1/2" bit

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,	107	250	Fore peak tank,		
Double bottom, under Engines and Boilers,	52	172	After peak tank,	10	27
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	135	350	Other tanks, if fitted,		
	Total capacity of double bottom	772	(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 18 May 1915

No. 253 in builder's yard.

DATES of Surveys held while building

1915  
Sept. 13-17. Oct. 23. Nov. 1-2. 18-23. 24-29. Dec. 3-13. 15-16. 22-24. 27. Jan. 7-10. 11-15.  
18-20. 25-29. 31. Feb. 2-3. 10-22. 28. Mar. 12-3. 4-13. 15-18. 22-24. 25-27. 28-29. 30-31.  
Apr. 6-11. 12-14. 21-22. 25-28. May. 3-15. 16-31. June. 8-12. 13-14. 15-19. 30.  
July. 3-4-8.

Total No. of Visits 67

Surveyor's Signature G. D. Aitken