

3 Decks.

IRON OR STEEL STEAMER.

WED. 24 FEB 1909

Received at London Office.

Date of completion of report 4th February 1909 Port of Kobe
Survey held at Kobe Date, First Survey 22nd June 1907 Last Survey 30th January 1909
On the Steel Twin Screw Steamer "Mishima Maru" Rig Fore and aft schooner.
TONNAGE under 6802.82
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk. 223.37
Do. of Poop 634.37
Do. of Bridge House 92.69
Do. of Forecastle 747.02
Do. of Houses on Dk.
Do. of excess of Hatchways
Do. above Crown of
Engine Room... 8500.27
Gross Tonnage 510.02
Less Crew Space
Less above Crown of
Engine Room... 7990.25
TONNAGE FOR FEES... 2720.09
Less Engine Room
Less Navigation Spaces
Register Tonnage 5270.16
as cut on Beam...
CLASS + 100 A 1
Half Breadth (moulded) 28.00
Depth from upper part of Keel to top of Upper Deck Beams (with the normal round up of beams) 35.67
Girth of Half Midship Frame (as per Rule) 123.24
deduct 7 feet... 116.24
1st Number 53809
Length on deck from after part of stem to fore part of stern post 462.92
2nd Number 8.27
Proportions—Breadth to Length 12.98
Depth to Length—Upper Deck to top of Keel 17.04
Main Deck ditto
Destined Voyage London
If Surveyed while Building, Afloat, or in Dry Dock Building
Master A. E. Moses
Year of appointment (1) As Master in service of owner of present vessel—1887
(2) As Master of this vessel—1907
Built at Kobe
When built 1909 Launched 18.4.08
By whom built Kawasaki Dockyard Co. Ltd.
Owners Nippon Yusen Kaisha
Managers do
(Where necessary to be entered in Reg. Book.)
Residence Kobe
Port belonging to Tokio

Dimensions of Ship per Register, Length 465.0 breadth 56.2 depth 31.5 Moulded depth, ft. 34 ins. 6 To Upper Dk. Dk. Beam, Actual 14 ins.
LENGTH on Deck as per Rule 462 11 BREADTH—Moulded 56 0 DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 34 6
Do. do. do. do. Main Dk. Beams 28 0 No. of Decks with flat laid Two
No. of Tiers of Beams Three
Round of Upper Dk. Beam, Actual 14 ins.

FRAMING.				FORGINGS OR CASTINGS.			
	Inches in Ship.	Inches in Ship.	16ths or 20ths per Rule Or as Approved.		Inches in Ship.	Inches per Rule Or as Approved.	
FRAME, Angles, or L or L Bars for 1/2 length amidships	4 3 1/2	10 4 3 1/2	10	KEEL, Bar or Side Plates, depth and thickness	Flat plate 12 x 3 3/8	12 x 3 3/8	
Do. for 1/2 at each end	6 1/2	3 1/2	9 6 1/2	STEM, moulding and thickness	13 x 8	13 x 8	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	10 3 1/2	STERN-POST for Rudder do. do.	11 1/4 x 11 1/2	11 1/4 x 11 1/2	
" " at intermdt. Bkts.	26	26	26	MAIN PIECE of Rudder, diameter at head	8 1/2	8 1/2	
Spacing of Frames from centre to centre	8 3/4	10 8 3/4	10	" " do. at heel	8 1/2	8 1/2	
REVERSED FRAME, Angles	11 1/2	11 1/2	8	RUDDER, how constructed	Single 22 steel plate. Six fitted arms		
DEEP FRAMING, depth of girder	11 1/2	11 1/2	8	Can the Rudder be unshipped afloat?	Yes.		
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	4 1/2	4 1/2	8				
" " in way of Engines and Boilers	4 1/2	4 1/2	8				
" " thickness at the ends of vessel	4 1/2	4 1/2	8				
" " depth at 1/2 the half breadth, as per Rule	4 1/2	4 1/2	8				
" " height extended at the Bilges	4 1/2	4 1/2	8				
FLOORS & BRACKETS in Cell Dble Bottoms	4 1/2	4 1/2	8				
" " state if flanged (top & bottom)	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
CENTRE GIRDER, in Double bottom, depth and thickness	4 1/2	4 1/2	8				
" " Angles, Top	4 1/2	4 1/2	8				
" " Bottom	4 1/2	4 1/2	8				
SIDE GIRDERS, number on each side & thickness	4 1/2	4 1/2	8				
" " state if flanged (top and bottom)	4 1/2	4 1/2	8				
" " Angles	4 1/2	4 1/2	8				
MARGIN PLATE, depth (exclusive of flange) and thickness	4 1/2	4 1/2	8				
" " Angles to Outside Plating	4 1/2	4 1/2	8				
" " Floors	4 1/2	4 1/2	8				
" " Height of Floors at the Bilges	4 1/2	4 1/2	8				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	4 1/2	4 1/2	8				
" " in Engine and Boiler space	4 1/2	4 1/2	8				
" " Remainder in Holds	4 1/2	4 1/2	8				
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb Channel	4 1/2	4 1/2	8				
" " Angles on upper edge	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
BEAMS, Middle Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb Channel	4 1/2	4 1/2	8				
" " Angles on upper edge	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
BEAMS, Lower Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb Channel	4 1/2	4 1/2	8				
" " Angles on upper edge	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
BEAMS, Hold, or Orlop, Plate or Tee Bulb	4 1/2	4 1/2	8				
" " Angles on upper edge	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
BEAMS, Poop Deck, Angle, Bulb, Angle, Plate or Tee Bulb	4 1/2	4 1/2	8				
" " Angles on upper edge	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
BEAMS, Bridge Deck, Angle, Bulb, Angle, Plate or Tee Bulb	4 1/2	4 1/2	8				
" " Angles on upper edge	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
BEAMS, Forecastle Deck, Angle, Bulb, Angle, Plate or Tee Bulb	4 1/2	4 1/2	8				
" " Angles on upper edge	4 1/2	4 1/2	8				
" " Spacing	4 1/2	4 1/2	8				
PILLARS, In 'tween Deck, size and spacing	4 1/2	4 1/2	8				
Measured " Hold	4 1/2	4 1/2	8				
under Quarter 'tween Dks., "Ends,"	4 1/2	4 1/2	8				
Bridge " in Hold	4 1/2	4 1/2	8				
WEB-FRAMES, In Fore Body, No. and spacing	4 1/2	4 1/2	8				
" " breadth & thickness	4 1/2	4 1/2	8				
" " No. of Side Stringers	4 1/2	4 1/2	8				
WEB-FRAMES, In E. & B. Space, No. & spacing	4 1/2	4 1/2	8				
" " breadth & thickness	4 1/2	4 1/2	8				
WEB-FRAMES, In After Body, No. and spacing	4 1/2	4 1/2	8				
" " breadth & thickness	4 1/2	4 1/2	8				
" " No. of Side Stringers	4 1/2	4 1/2	8				
" " Size of Angles or Tee Bars to Web-Frames	4 1/2	4 1/2	8				
BRACKET PLATES to Stringers between Web Frames, depth and thickness	4 1/2	4 1/2	8				

PLATING. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. Ordinary or Joggled. RIVETING. BUTTS. STRAKES. AMIDSHIP. FORWARD. AFT. AMIDSHIP. Single or Double. Rivets. Double or Treble and for what Length. Rivets. Spacing. Treble. Butts. If Lapped. For what Length. FEET. FLAT PLATE KEEL. (If Bar Keel, state Riveting.) GABBOARD OF A Strake. State actual thickness in way of Double Bottom. DOUBLING OF Flat Plate Keel. Length and thickness of Bilges. of Sheerstrakes. of Strake below POOP SIDES. BRIDGE SIDES. FORECASTLE SIDES. Manufacturer's name or trade mark of the Iron or Steel (tie process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Has the Steel been tested as required by the Rules? FRAMES extend in one length from REVERSED FRAMES on floors and frames extend from MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. EQUIPMENT No. 62233 LETTER ANCHORS. CHAIN CABLES. HAWSELS AND WARPS. Boats. Pumps. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward). Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. No. of Breasthooks. No. of Crutches. Bulwarks, height above deck and description. The above is a correct description. Builder's Signature (here only). Vice President.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*)
 16th Nov 1906 M. 8th Feb 1907 M. 14th Feb 1907 M. 9th March 1907 M.

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 the plating? No
Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes State results of tests Satisfactory
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 under special survey in accordance with the approved plans & the requirements of the Rules have been satisfactorily complied with. The workmanship throughout has been found good.

On trial the speed attained was over 16 knots, but 15 knots would be the speed for continuous steaming at sea. The guaranteed trial trip speed was $15\frac{1}{4}$ knots.

The approved Midship section & profile tracings are forwarded under separate cover. Duplicate copies of these were retained in the London office at the time of the submission of the plans for approval.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 61.7 ft., R.Q.D. or Break ☒ ft., Bridge Dk. 173.5 ft., F'castle 540 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 Decks Steel, Upper Deck sheathed. Web frames & deep traming. 3rd rule
part lower all steel
 Official No. 11593 ; Signal Letters LHCR State if Machinery is fitted aft No.
 How are the surfaces preserved from oxidation ? Inside Paint & Cement Outside Composition

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

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	136.5	432.38	Fore peak tank,		149.34
Double bottom, under Engines and Boilers,	84.5	371.66	After peak tank,		33.30
Double bottom, if under Engines only,			Deep tank, aft,	26-0	573.91
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	180.0	637.96	Other tanks, if fitted,		
	Total capacity of double bottom	1442.60	(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.

Order for Special Survey No.

Date _____

No. 291 in builder's yard.

From June 1904 to January 1909 continuous attendance

Total No. of Visits

The amount of Entry Fee	£ 50 ⁰⁰	5	-	-	Fees applied for,	29.1.1909
Special Survey Fee	£ 343	3	4		Received by me,	2.2.1909
Travelling Expenses, if any	£	:	:			

Certificate to be sent to Mrs. Office.

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

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

Committee's Minute
Character assigned

TUES. 2 MAR 1909

W
Lloyd and P.
Ames/Kohle

6-00512