

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 2908

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

Port of Kobe Date of completion of Report 8th July 1920 Received at London Office FRI AUG. 6 1920

Survey held at Kobe Date, First Survey Feb. 27 1920 Last Survey June 18 1920

On the (State if Single, Twin, or Triple Screw) Steel Single Screw Steamer INDIA MARU Rig 2 masts

TONNAGE under Tonnage Deck... 4195 GLASS 100A Awning Dk. 100A Master K. Ogura

Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 1395.00 Breadth (greatest moulded) 51.00 Year of Appointment (1) As Master in service of owner of present vessel: 191 (2) As Master of this vessel: 191

Total under Upper Dk. 5590.11 Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 36.00 Built at Kobe

Do. of Poop 1264.68 Deduct height of 'tween deck when this does not exceed 8ft. 28.00 When built 1920 Launched 19th Apr. 1920

Do. of R. Qr. Dk. 23.93 Transverse Number 79.00 By whom built Kawasaki Dockyard Co., Ltd.

Do. of Bridge House 54.17 Length on deck from fore part of stem to after part of sternpost 385.00 Owner Kawasaki Kisen Kaisha, Ltd.

Do. of Forecastle 5872.89 Longitudinal Number 304.80 Managers Kaisha

Do. of Houses on Deck 4253.84 Depth "d" at middle of length. See Secs. 2 & 13. 16.0 Residence Kobe

Do. of excess of Hatchways 54.17 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 10.7 Port belonging to Kobe

Do. above Crown of Room ... 13.7 Upper Deck at side to top of keel

Destined Voyage India If Surveyed while Building, Afloat, or in Dry Dock Building

On Rule	Ft.	Ins.	BREADTH —	Ft.	Ins.	DEPTH, ACTUAL —	Ft.	Ins.	No. of Decks with flat laid
			Moulded ..			Do.			No. of Tiers of Beams
Ship per Register,	length	385	00			36	00		3
						28	00		3

FRAMING.						PILLARS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.
Plating, Bars, amidships	9 3/4	52	9 3/4	52	52	PILLARS, In 'tween Deck, size and spacing	6 3/4	40	6 3/4	40	13 1/2
Plating, F.P. 8" x 3 1/2" x 40"	6 3/4	36	6 3/4	36	36	" Hold	5 5/8	36	5 5/8	36	"
Plating, of Double Bottoms at Solid Floors	3 1/2	40	3 1/2	40	40	" Quarter, 'tween Dks.,	5 5/8	36	5 5/8	36	"
" at intermdt. Bkts	8 3/4	40	7 1/2	32	40	" in Hold	6 3/4	40	6 3/4	40	"
Frames from centre to centre amidships	25 1/2	25 1/2				KEELSONS AND STRINGERS.					
Plating, to collision bulkhead	24	24				CENTRE LINE KEELSON, Vertical Plate above					
Plating, frames from centre to centre in peaks	24	24				floors, Through Plate, or Intercoastal Plate					
FRAME, Angles, In. A.P.K.	3 1/2	36	3 1/2	36	36	" Rider Plate					
Plating, of Double bottoms at Solid Floors	3 1/2	40	3 1/2	40	40	" Flat Keel Plate Angles					
" at intermdt. Bkts	7 3/4	40	7 3/4	40	40	" Horizontal Plates on Floors					
depth of girder	6	6				" Angles or Bulb Angles					
depth and thickness of Floor Plate						SIDE KEELSONS, Number					
mid-line for 1/2 length amidships						" Angles or Bulb Angles					
Plating, of Engine and Boiler spaces						" Plate above floors, for					
thickness at the ends of vessel						" Intercoastal Plate, for					
Plating, at 1/2 the half-bdth. as per Rule						" Attached to outside plating with Angle					
Plating, at extended at the Bilges						BILGE KEELSON, Angles					
Cell Double Bottoms	40-36	40-36				" Intercoastal Plate, for					
Plating, if flanged (top and bottom)	No	No				" Attached to outside plating with Angle					
Plating, of Solid	24 in. Pls.	25 1/2	51	24	25 1/2	SIDE STRINGERS, Number	Two in No. 1 Hold	Two in No. 1 Hold			
Plating, RIDER, in Dbl. bottom, dpth. & thickness	42	50	40	42	50	" Angle	7 3/4	36	6 1/2	3 1/2	50
" Angles, Top	3 1/2	36	50	3 1/2	50	" Intercoastal Plate, for No. 1 Hold	42	42			
" Bottom	4 1/2	42	60	4 1/2	60	" Attached to outside plating with Angle	FLANGED 3 1/2	FLANGED 3 1/2			
" to Floors	5	5	56	5	56						
Plating, at intermdt. frmg., width & thkness	36	40-36	36	40-36	36						
Plating, ERS, number and thickness	Two	38-36	Two	38-36	36						
Plating, state if flanged (top & bottom)	Top 3 1/2	FLANGE	Top 3 1/2	FLANGE	40						
Plating, plates	3 1/2	3 1/2	40	3 1/2	3 1/2						
Plating, PLATE, depth (exclusive of flange)	38-32	46	38-32	46	46						
Plating, plates to outside plating	3 1/2	3 1/2	46	3 1/2	3 1/2						
Plating, to floors	3 1/2	3 1/2	40	3 1/2	3 1/2						
Plating, at intermdt. frmg., width & thkness	30	40-36	30	40-36	36						
Plating, height of Brackets above at bilge	24	24									
Plating, TOM PLATING, breadth and	42	50	40	42	50						
Plating, thickness of Middle Line Strake	48	56	48	56	56						
Plating, thickness in Engine and Boiler space	40-34	40-34									
Plating, Remainder in Holds	40-34	40-34									
Plating, Awning or Shlter Dk, Single Angle,	7 3/4	42	7 3/4	42	42						
Plating, Angle, Plate, Tee Bulb or Channel	25 1/2	25 1/2									
Plating, r Deck, Single Angle, Bulb Angle,	10 3/4	47 1/2	9 3/4	56	56						
Plating, Tee Bulb or Channel	51	51									
Plating, d, Third & Fourth Deck, Single	10 3/4	57 1/2	11 3/4	56	56						
Plating, Angle, Plate, Tee Bulb or Channel	51	51									
Plating, angles on upper edge	51	51									
Plating, Spacing											
Plating, BEAMS, Poop Deck, Angle, Bulb Angle, Plate,											
Plating, Tee Bulb or Channel											
Plating, Angles on upper edge											
Plating, Spacing											
Plating, BEAMS, Bridge Deck, Angle, Bulb Angle, Plate,											
Plating, Tee Bulb or Channel											
Plating, Angles on upper edge											
Plating, Spacing											
Plating, BEAMS, Forecastle Deck, Angle, Bulb Angle,											
Plating, Plate, Tee Bulb or Channel											
Plating, Angles on upper edge											
Plating, Spacing											

WEB FRAMES.

WEB-FRAMES, In Fore Body, No. and spacing
brdth. & thickness
No. of Side Stringers

WEB-FRAMES, In E. & B. Space, No. and spacing
brdth. & thickness

WEB-FRAMES, In After Body, No. and spacing
brdth. & thickness
No. of Side Stringers

Size of Face Angles to Web-Frames
BRACKET PLATES to Stringers between
Web Frames, depth and thickness

BULKHEADS. Number, 6
Vessel, Per Rule, Thickness, Horizontal, Vertical, Single or Double, Height up state deck.

W.T. BULKHEADS No. 14
42
69
93
143
172

COLLISION
PARTITION
LONGITUDINAL

Are the outside Plates doubled two spaces of Frames in length? No (Bracketed)
Are the Sluice Valves and Watertight Doors in efficient working order? yes

PLATING.

STRAKES
AS IN SHIP
PER RULE OR AS APPROVED

FLAT PLATE KEEL
GARBOARD OR A Strake
B
C
D
E
F
G
H
J
K
L
M
N
O
P
Q
R
S
T
U
V
W

THICKNESS OF SHEET
CLEAR OF LONG BRIDGE
DO. OF STRAKE BELOW
Dble. of Flat Plate Keel
Sheerstrakes
Length and thickness
POOP SIDES
SHORT BRIDGE SIDES
FORECASTLE SIDES

FORGINGS or CASTINGS.

KEEL, Bar, depth and thickness
STEEL, moulding and thickness
STERN-POST for Rudder do.
for Propeller
RUDDER, 22. Speed
Main-Piece, diameter at head
at heel

RUDDER, how constructed
Cast steel frame
Can the Rudder be unshipped afloat? yes

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.
Open Hearth Carnegie Stl. Co.
Inland Stl. Co. Midvale Stl. Co. Lakeland Stl. Co.
Eastern Stl. Co. Mitsubishi Kenjiro Stl. Co.
Kawasaki Hyogo Stl. Works for Rudder stern frames.
Has the Steel been tested as required by the Rules?

RIVETING.

EDGES, Ordinary or jogged? ORDINARY
BUTTS, Rivets, Straps, If Lapped

DOUBLE
AB
TREBLE
QUAD
TREBLE
QUAD
TREBLE
QUAD

Awning or Shelter Deck
Stringer Plate
Upper Deck
Stringer Plate

Butts, riveted for HALF length amidship.
Butts, riveted for HALF length amidship.
Butts, riveted for HALF length amidship.

FRAMES extend in one length from Bilge to Upper Deck alternately
REVERSED FRAMES on floors and frames extend from Keel to Upper Deck in A.P.

MASTS, SPARS, &c.

LOWER MASTS
Bowsprit
Topmasts, Yards and Remainder of Spars
Rigging, Material and Size, Shrouds
Sails.

Fore
Main
Mizen

Steel
63'-0"
66'-0"

26 x 44
24 x 44
20 x 30
22 x 40
20 x 40
17 x 30

Two
3 BA 3x6x42
3 A 3x3x40

ANGLES
Number, Size
3 BA 3x6x42
3 A 3x3x40

RIVETING
Butts, Rivets, Straps, If Lapped

Single
Double
TREBLE
QUAD
TREBLE
QUAD
TREBLE
QUAD

Awning Deck
100 A1 Awning Deck
With, or without Freeboard, as condition of Class

Committee's Minute
Character assigned

FRID. AUG. 13 1920
100 A1 Awning Deck with freeboard

Surveyor's Signature
A. Watt

Surveyor to Lloyd's Register of Shipping

EQUIPMENT No. 33259 LETTER "Y" ANCHORS.

Number of Certificate, Anchors, Weight, Ex. Stock, Weight of Stock, Test, Per Certificate, Weight Req. by Table 31, Description of Anchor, Makers, Where and when tested and Superintendent.

0204 1st Bower 60 2 24 48 15 0 0 56 3 10
0202 2nd 59 2 16 48 2 3 7 56 3 9
0211 3rd 59 1 14 47 19 2 21 56 3 9
0247 Stream 17 0 21 18 8 3 0 16 1 0
0176 Kedge 6 2 2 8 15 0 0 7 0 0

Particulars of Drop Test of Cast Steel Anchors, viz.:
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 60-2-24 J.B.C. 0204 23-4-1919
2nd 59-2-16 " 0202 28-4-1919
3rd 59-1-14 " 0211 28-4-1919
Stream (Head) 17-0-21 (Stem) 4-1-19 " 0247 8-5-1919
Kedge 6-2-2 " 2-0-6 " 0176 1-5-1919

CHAIN CABLES.

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, Length and size per Table 31.

268 68 270 2 1/2 26 1/2 5 1/2 3 6 1/2 3 9 270 2 1/2 26 1/2 5 1/2 3 6 1/2 3 9
90 4 1/2 6550 90 4 1/2 6550

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, Length and size per Table 31.

268 68 270 2 1/2 26 1/2 5 1/2 3 6 1/2 3 9 270 2 1/2 26 1/2 5 1/2 3 6 1/2 3 9
90 4 1/2 6550 90 4 1/2 6550

Boats 2 LIFE BOATS: 28' 6" x 8' 6" x 5' 7" 616-19-0 x 5' 0" x 3' 0"
Pumps, Number DOWNTON + 1 small P.P. Pk.
Windlass is By Builders
Engine Room Skylights—How constructed? Plates + Angles
Coal Bunker Openings—How constructed? Plates + Angles
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 2 a side open rails except in Way Centre Houses
Ceiling in Holds, thickness and material 2 1/2" Pine "U" ways.
Cargo Hatchways—How formed? Plates + Angles
State size No. 1 Hatch (Forward) 27' 7 1/2" x 18' 0" No. 2 Hatch 31' 10 1/2" x 18' 0" No. 3 Hatch 12' 9" x 16' 0" No. 4 Hatch 31' 10 1/2" x 18' 0"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Nos. 2 + 4 6 Webs
Nos. 1 + 5 5 Webs No. 3 3 Webs
No. of Breasthooks 7 with decks. No. of Crutches Deep floors.
Bulwarks, height above deck and description Open rails amid 3' 6" x 26 plate Main Rail and Stays, material and size amid 5" x 2 1/2" x 34 B.A.
The foregoing is a correct description. Kawasaki Dockyard Co., Ltd. Surveyor's Signature A. Watt.
Builder's Signature (here only) S. Ota Kane Surveyor to Lloyd's Register of Shipping.

Correspondence. State dates and initials of letters respecting vessel (Reference should be made in any correspondence connected with the case)
"M" 16 Feb. + 10 May 1916 and "M" 28 Feb. 8 Mar. + 16 Mar. 1917.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed or chipped fair
Is the riveted work properly closed? yes
Are the liners between the frames and plates solid single pieces? Jogged framing
to plate, &c., conform well to each other? yes
from the faying surfaces? yes
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
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? yes
General Remarks (State quality of workmanship, &c.)
This vessel has been made under Special Survey in accordance with the approved plans + the materials + workmanship are good.
Photo prints of Midship section + of Profile + Decks are forwarded.
Sister vessels are the S/s. "Argonne" (Koh. Rpt. No. 1941) S/s. "Naples Maru" (Koh. Rpt. No. 2587) S/s. "Italy Maru" (Koh. Rpt. No. 2633) S/s. "France Maru" (Koh. Rpt. No. 2647) S/s. "England Maru" (Koh. Rpt. No. 2669) S/s. "Eastern Moon" (Koh. Rpt. No. 2685) S/s. "Denmark Maru" (Koh. Rpt. No. 2715) S/s. "Eastern Dawn" (Koh. Rpt. No. 2750) S/s. "Holland Maru" (Koh. Rpt. No. 2721) S/s. "Sweden Maru" (Koh. Rpt. No. 2780) S/s. "China Maru" (Koh. Rpt. No. 2803) S/s. "Norway Maru" (Koh. Rpt. No. 2808) S/s. "Belgium Maru" (Koh. Rpt. No. 2836) S/s. "OHIO MARU" (Koh. Report No. 2859).

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 50-
Special Survey Fee 3000-
Travelling Expenses if any 25-
STEEL CASTINGS 60-
Fees applied for, June 29 1920
Received by me, July 5 1920
Certificate to be sent to Kobe
Date of issue 13 18 20
92398

State whether the Vessel has been built under Special Survey yes
I am of opinion this Vessel should be Classed 100 A1 Awning Deck
With, or without Freeboard, as condition of Class With, FREEBOARD

Committee's Minute
Character assigned

FRID. AUG. 13 1920
100 A1 Awning Deck with freeboard

Surveyor's Signature
A. Watt

Surveyor to Lloyd's Register of Shipping

[illegible][illegible]

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 should appear in the Register Book) 2 DECKS (steel) & AWNING DECK (steel)
Official No. 26813; Signal Letters R.W.P.L. State if Machinery is fitted aft No
How are the surfaces preserved from oxidation? Inside CEMENT + PAINT. Outside PAINT.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Tons.
Double bottom, aft,	116.9	342	Fore peak tank,		12
Double bottom, under Engines and Boilers,	44.6	182	After peak tank,		9
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	172.1	594	Other tanks, if fitted,		
	Total capacity of double bottom	1118.	(If necessary, furnish further information by sketch.)		

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

No. 499 in builder's yard.

DATES of Surveys held while building

1920
Feb. 2, 3, 4, 5, 6, 7, 9, 10, 12, 13, 16, 17, 18, 19, 20, 23, 24, 25, 27; Mar. 1, 2, 4, 5, 6, 9, 11, 12, 15, 16, 17, 18, 22, 26, 30; Apr. 1, 5, 7, 9,
Apr. 15, 16, 17, 19, 21, 30; May 5, 26; June 5, 9, 10, 18.

A. Watt

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Foundation