

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 2780.

Port of Kobe Date of completion of Report 10th April Received at London Office TUE. MAY. 25 1920
Survey held at Kobe Date, First Survey Oct. 25th 1919 Last Survey April 6th 1920
On the (State if Single, Twin, or Triple Screw) Steel Single Screw Steamer "SWEDEN MARU" Rig 2 masts.

TONNAGE under Tonnage Deck... 4195.11 CLASS 100A1. AWNING DK. FERT. Master B. Fukuya
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:—1911 (2) As Master of this vessel:—1911
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 201.64 Deduct height of 'tween deck when this does not exceed 8ft. 28.00 When built 1920 Launched 5th Febr. 1920
Do. of R. Qr. Dk. 23.94 Transverse Number 79.00 By whom built Kawasaki Dockyard Co.
Do. of Bridge House 54.17 Length on Deck from fore part of stem to after part of sternpost 385.00 Owners Kawasaki Kisen Kaisha, Ltd.
Do. of Forecastle 5869.86 Longitudinal Number 16.0 Managers (Where necessary to be entered in Reg. Book.)
Gross Tonnage 5869.86 Depth "d" at middle of length. See Secs. 2 & 13 10.7 Residence Kobe
Less Crew Space 1147.02 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 13.7 Port belonging to Kobe
Less above Crown of Main Room 390.87 Upper Deck at side to top of keel 13.7
4266.26 Destined Voyage Building If Surveyed while Building, Afloat, or in Dry Dock Building

Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Awn. or Shelter Dk. Beams	No. of Decks with flat laid
385	00	Moulded	51	00	Do.	Upper Deck Beams	3
per Register,			36	00	Awn. or Shelter Dk.	Moulded depth, ft. 36 ins. 0	To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual <u>123</u> ins.
th 385'	breadth	51'	depth	28	00	Upper Deck.	Moulded depth, ft. 28 ins. 0 To Upper Dk.

FRAMING.				PILLARS.				KEELSONS AND STRINGERS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
9	3 1/2	52	19	3 1/2	52	7	3 1/2	18	7	3 1/2	18
F. Pk. 8 x 3 1/2 x 40	A. Pk. L6	3 1/2	7/8	L6	3 1/2	36	"	"	"	"	"
Double Bottoms at Solid Floors	L3 1/2	3 1/2	40	L3 1/2	3 1/2	40	"	"	"	"	"
" at intermdt. Bkts.	L8	3 1/2	17 1/2	L7 1/2	3 1/2	40	"	"	"	"	"
Names from centre to centre amidships	25 1/2		25 1/2				"	"	"	"	"
" to collision bulkhead	24		24				"	"	"	"	"
Names from centre to centre in peaks	A. P. 3 1/2	3	36	3 1/2	3	36	"	"	"	"	"
FRAME, Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	"	"	"	"	"
of Double bottoms at Solid Floors	L7	3 1/2	15 1/2	L7	3 1/2	40	"	"	"	"	"
" at intermdt. Bkts.	6		6				"	"	"	"	"
depth of girder	A. P. 6		6				"	"	"	"	"
depth and thickness of Floor Plate							"	"	"	"	"
mid-line for 1/2 length amidships							"	"	"	"	"
way of Engine and Boiler spaces							"	"	"	"	"
thickness at the ends of vessel							"	"	"	"	"
depth at 1/2 the half-bdth. as per Rule							"	"	"	"	"
height extended at the Bilges							"	"	"	"	"
in Cell Double Bottoms	40-36		40-36				"	"	"	"	"
state if flanged (top and bottom)	No		No				"	"	"	"	"
spacing of Solid. 24 in Pks.	25 1/2 + 51		24	25 1/2 + 51			"	"	"	"	"
GIRDER, in Dbl. bottom, dpth. & thickness	42	50	40	42	50	40	"	"	"	"	"
" Angles, Top Double	3 1/2	3 1/2	50	3 1/2	3 1/2	50	"	"	"	"	"
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	"	"	"	"	"
" " to Floors Sing	5	5	56	5	5	56	"	"	"	"	"
Brackets at intermdt. frmg., wdth & thkns	36	40-36	36	40-36			"	"	"	"	"
GIRDERS, number and thickness	Two 38-36		Two 38-36				"	"	"	"	"
" state if flanged (top & bottom)	Top 3 1/2 FLANGE		Top 3 1/2 FLANGE				"	"	"	"	"
Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	"	"	"	"	"
MAIN PLATE, depth (exclusive of flange)	38-32	46	38-32	46			"	"	"	"	"
and thickness	3 1/2	3 1/2	46	3 1/2	3 1/2	46	"	"	"	"	"
Angles to outside plating	3 1/2	3 1/2	40	3 1/2	3 1/2	40	"	"	"	"	"
" to floors	30	40-36	30	40-36			"	"	"	"	"
Brackets at intermdt. frmg., wdth & thkns	24		24				"	"	"	"	"
Height of Brackets above at bilge	42	50-40	42	50-40			"	"	"	"	"
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	E 48	B 56	E 48	B 56			"	"	"	"	"
" thickness in Engine and Boiler space	40-34		40-34				"	"	"	"	"
" Remainder in Holds	L8	3 1/2	40	L7	3	42	"	"	"	"	"
AMS, Awning or Shelter Dk. Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	25 1/2		25 1/2				"	"	"	"	"
Spacing	L8	3 1/2	40	L9	3 1/2	56	"	"	"	"	"
AMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	25 1/2		51				"	"	"	"	"
Spacing	L8	3 1/2	46	L11	3 1/2	56	"	"	"	"	"
AMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel							"	"	"	"	"
Angles on upper edge	25 1/2		51				"	"	"	"	"
Spacing							"	"	"	"	"
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							"	"	"	"	"
Angles on upper edge							"	"	"	"	"
Spacing							"	"	"	"	"
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							"	"	"	"	"
Angles on upper edge							"	"	"	"	"
Spacing							"	"	"	"	"
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							"	"	"	"	"
Angles on upper edge							"	"	"	"	"
Spacing							"	"	"	"	"

Form No. 1B.

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.

W.T. BULKHEADS

COLLISION PARTITION

LONGITUDINAL

Are the double plates doubled two spaces of Frames in length?
Are the and Watertight Doors in efficient working order?

PLATING.

AS IN SHIP.

PER RULE OR AS APPROVED.

STRAKES.

FLAT PLATE KEEL
GARBOARD OR A STRAKE
State actual thickness in way of Double Bottom.

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

EDGES.

ORDINARY OR JOGGLED?

DOUBLE OR TIE PLATE

STRAPS.

IF LAPPED.

Butts of Side Stringers

Tie Plates

Inner Bottom Plating, riveting of Edges OTHERS- SINGLE Butts REST- II- I

Centre Girder Butts, TREBLE riveted. Keelson Butts, riveted.

Frames, riveted through Plates with in Rivets, about 7" dia. apart.

Rivets, state whether Iron or Steel

FRAMES extend in one length from Bilge to UPR DK to 2nd DK. alternately
REVERSED FRAMES on floors and frames extend from Keel to Upper deck in A.P.

MASTS, SPARS, &c.

DIAMETER AND THICKNESS.

No. of Plates in round.

ANGLES.

RIVETING.

LOWER MASTS.

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

FORGINGS or CASTINGS.

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

for Propeller

RUDDER-A&D

Main-Piece, diameter at head

at heel

RUDDER, how constructed

Thickness of Single Plate

Can the Rudder be unshipped afloat?

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. Lakawanna Stl. Co.
Mitsubishi Kenjiho Stl. Co. a Kawasaki (Yogo) Stl.
Works for stern frames. Rudder frames.
Has the Steel been tested as required by the Rules?

EQUIPMENT No. 33259 LETTER "Y"

ANCHORS.

Number of Certificate

Weight, Ex. Stock

Weight of Stock

Test, per Certificate

Weight Req. by Table 31

Description of Anchor

Makers

Where and when tested and Superintendent

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

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

Boats 2 LIFE BOATS—28'-0" x 8'-6" x 5'-7", GIG—19'-0" x 5'-0" x 3'-0" Steering Gear, Steam By Builders Steering Gear, Hand Scr. by Builders
Pumps, Number 2 Double + 1 small P.F. PK. 1 TEMMA
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' Rways.
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 No. 2 + 4 6 Webs.
No. 1 + 5 5 Webs No. 3 3 Webs
No. of Breasthooks 7 with Decks No. of Crutches Deep floors
Buttresses, height above deck and Kawasari Dockyard Co. Ltd. 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.
Builder's Signature (here only) P. Ota Kano
Surveyor's Signature Alexander Watt.
Secretary 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)
"M" 16th Feb. + 10th May, 1916 and "M" 28th Feb. 8th Mar. + 16th 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
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 facing 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
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 built under Special Survey in accordance with the approved plans + the materials + workmanship are good.
Photo prints of Midship section and of Profile and Decks are forwarded.
Sister vessels are the s/s. War Queen (Koh Rpt. No. 2009). s/s. "Argonne" (Rpt. No. 1941). s/s. "Naples Maru" (Rpt. No. 2587). s/s. "Karachi Maru" (Rpt. No. 2599). s/s. "Cape Town Maru" (Rpt. No. 2622). s/s. "Scotland Maru" (Rpt. No. 2632). s/s. "Italy Maru" (Rpt. No. 2633). s/s. "France Maru" (Rpt. No. 2647). s/s. "England Maru" (Rpt. 2609). s/s. "Eastern Moon" (Koh Rpt. No. 2685). s/s. "Spain Maru" (Rpt. No. 2686). "Denmark Maru" (Rpt. No. 2715). s/s. "Eastern Ocean" (Rpt. No. 2710). s/s. "Eastern Planet" (Rpt. No. 2730). s/s. "Eastern Dawn" (Rpt. No. 2750). s/s. "HOLLAND MARU" (Koh Rpt. No. 2721).

The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with P.E. Report showing vessel as built.

The amount of Entry Fee Yen : 50.-
Special Survey Fee 3000.-
Travelling Expenses, if any £ : 30.-
STEEL CASTINGS : 60.-
State whether the Vessel has been built under Special Survey yes
I am of opinion this Vessel should be Classed 100A1. AWNING DECK
With, or without Freeboard, as condition of Class WITH FREEBOARD.

Committee's Minute
Character assigned
FRI. JUN. 11 1920
100A1. Hoisting KK. with freeboard
Lloyd's A.C.P. + L.M.C. 4:20 P.M.

Alexander Watt.
Surveyor to Lloyd's Register of Shipping.

W668-0083

GENERAL REMARKS—(continued).

WEB FRAMES

FRAMES, In Fore Body,

No. of Side Stringers

FRAMES, In E. & B. Sp

No. of Side Stringer

Size of Face Angles to

CKET PLATES to St

ch Frames, depth and th

ALKHEADS.

BULKHEADS

" 42

" 69

" 93

" 142

" 172

OLLISION "

RTITION "

IGITUDINAL "

the outside Plates do

the None an

STRAKES.

AT PLATE KEEL.

11 Bar Keel, state Riveting

ARBOARD OF A St

ate actual

ickness in

y of Double

Bottom.

B

C

D

E

F

G

H

J

K

I

AWNING DECK

THICKNESS

CLEAR OF I

DO. OF

DBLG. OF

"

Length

POOP SH

SHORT B

FORECAST

AWNING

Shelt

Strin

Upper

Strin

FR

RE

No. 494

in builder's yard.

DATES of Surveys

held while building

1919

Oct 25; Nov 7, 17, 18, 20, 21, 22, 24, 25, 26, 27, 28, 29; Dec 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 23, 24, 27; Jan 4, 8, 9, 10, 13, 14.

1920

Jan 15, 16, 19, 21, 22, 26, 27, 28, 29; Feb 2, 3, 4, 5, 6, 11, 21; Mar 10, 12, 15, 17, 18, 20, 26, 30; Apr 6.

Surveyor's Signature

Alexander Watt.

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

Suit of

Sails, and the following spare sails.

Surveyor's Signature

Alexander Watt.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. R.Q.D. ft. Bridge ft. Forecastle ft.

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 should appear in the Register Book) **2 DECKS (STEEL) & AWNING DECK (STEEL)**

Official No. **26210**; Signal Letters **R.S.M.G.**

How are the surfaces preserved from oxidation? Inside **Cement + Paint** State if Machinery is fitted aft **No** Outside **Paint**

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	116.9	342	Fore peak tank,		
Double bottom, under Engines and Boilers,	44.6	182	After peak tank,		
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,		
		1118	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. _____

Date _____

No. **494** in builder's yard.

DATES of Surveys held while building

1919
Oct 25; Nov 7, 17, 18, 20, 21, 22, 24, 25, 26, 27, 28, 29; Dec 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 23, 24, 27; Jan 4, 8, 9, 10, 13, 14.

1920
Jan 15, 16, 19, 21, 22, 26, 27, 28, 29; Feb 2, 3, 4, 5, 6, 11, 21; Mar 10, 12, 15, 17, 18, 20, 26, 30; Apr 6.

Surveyor's Signature **Alexander Watt.**

Total No. of Visits **68.**

Rpt. 4

Date of writing

No. in Reg. Book

Master

Engines

Boilers

Registered

Nom. Horse

ENGINE

Dia. of Cy

Is the screw

in the prop

between the

liners are

Dia. of Tur

collars

No. of Fe

No. of Bil

No. of Don

In Engine

No. of Bilg

Are all the

Are all con

Are they fa

Are they ea

What pipes

Are all Pi

Are the Bil

Is the Sere

BOILER

Total Hea

Working

Can each b

each boiler

Smallest dis

Thickness

long, seams

Per centages

Size of comp

Length of p

Working pr

Pitch of sta

Material of

Material

Area at sn

Thickness

Diameter of

Pitch acro

thickness of

Working pr

Diameter

Pitch of rie

SUPERH

Date of Test

Diameter of