

STEEL STEAMER or MOTORSHIP.

11 JUL 1928

Received at London Office

6143

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YES

Date of completion of report

9-6-28

Port of

Kobe

No.

6143

Survey held at

Lama

Date First Survey

16-6-27

Last Survey

9-6-

1928

On the

(State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Single Screw Motorship TAKAMISAN MARU (Engines Aft)

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling

State Type of Erections

B. P.F.

TONNAGE under Tonnage Deck

1650.61

CLASS \times 100 A.I.

State if with freeboard as condition of Class

No.

Built at Lama

of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 275.00

Breadth (greatest moulded)

B 40.75

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 21.04

Gross Tonnage

1992.34

Net Tonnage

1099.22

1st Longitudinal Number (L \times D) = 57862nd Numeral L \times (B + D) = 16992

Framing Depth "d," at middle of length. See Sec. 3 (1d)

18.13

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.07

Do. Long Bridge to top of keel

Draught Moulded

18.16

Launched

Yard No. 133

Builders Mitsui Bussan Kaisha

Owners Mitsui Bussan Kaisha

Managers

(Where necessary to be entered in Reg. Book.)

Residence Kobe

Port of Registry Tokyo

If surveyed while building, afloat, or in dry dock

Building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
AMES, Spacing amidships	30	✓			Bracket Floors, Frame	5	180 ^{1/2}	75 ^{1/2} 9 ^{1/2}	✓
" " from 1/2 length to Collision bulkhead.....}	27	✓			" " Reversed Frame	5	180 ^{1/2}	75 ^{1/2} 8 ^{1/2}	✓
" " in peaks.....	24	✓			" " Vertical Struts	5	180 ^{1/2}	75 ^{1/2} 8 ^{1/2}	✓
DE FRAMING.					Centre Girder, depth and thickness amidships	35	44	36	✓
Frame Amidships, Angle, E or F	230 ^{1/2}	90 ^{1/2}	11 ^{1/2}	✓	" " top Angles	5	5	42 ^{1/2} 40	✓
" " Extends up to	Upper Dk. one F to Bdk @ ends of B.			✓	" " bottom Angles	90 ^{1/2}	90 ^{1/2}	12 ^{1/2} 11 ^{1/2}	✓
Reversed Frame Amidships, Angle	-	-	-		Side Girders, No. each side and thickness	One	33	36	✓
" " Extends up to...	-	-	-		Margin Plate depth (excl. of flange) and thickness	33	42		✓
Depth of Framing Girder.....	-	-	-		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3	3	9 ^{1/2}	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F.....	-	-	-		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5	5	40	✓
" " Second 'tween Decks, Angle, E or F	-	-	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	90 ^{1/2}	90 ^{1/2}	10 ^{1/2}	Every 3rd F ✓
" " Third " " " "	-	-	-		" " Gussets, spacing and scantling forward 1/2 len. from stem.....	90 ^{1/2}	90 ^{1/2}	10 ^{1/2}	ALT. F. ✓
Framing in Peaks, Angle, E or F	150 ^{1/2}	70 ^{1/2}	30 ^{1/2}	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	57			✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" 6 dia. 5 1/2" dia in Peak, F.			✓	INNER BOTTOM PLATING.				
State if Frame Joggled	YES			✓	Breadth and thickness of Middle Line Strake	45	40	34	✓
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	230 ^{1/2}	90 ^{1/2}	11 ^{1/2}	D.F. ✓	Thickness of remainder in Holds	42			✓
	100 ^{1/2}	90 ^{1/2}	42 ^{1/2}	REV. F. ✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?.....	YES			✓
	ad. side str.			✓					
STRENGTHENING OF BOTTOM FORWARD. State Particulars	As per rule.			✓	BEAMS.				
ANGLE BOTTOM.					Uppermost Continuous Deck, amidships in Wells, Angle, E or F	80 ^{1/2}	75 ^{1/2}	8 ^{1/2}	✓
Floors, Depth and thickness at mid-line in Holds	-	-	-		" " in way of Bridge, Angle, E or F	80 ^{1/2}	75 ^{1/2}	10 ^{1/2}	✓
Height of Brackets at side above base line at toe of frame	-	-	-		Spacing	30			✓
Middle Line Keelson, on Floors, Angles, E or F	-	-	-		Second Deck, amidships, Angle, E or F	-	-	-	
" " Through Plate or Intercostal Plate...	-	-	-		Spacing.....	-	-	-	
" " Foundation Plate on Floors	-	-	-		Third Deck, amidships, Angle, E or F	-	-	-	
" " Flat Plate Keel Angles	-	-	-		Spacing.....	-	-	-	
Side Keelsons, No. each side	-	-	-		Fourth Deck, amidships, Angle, E or F	-	-	-	
" " thickness of Intercostal Plate...	-	-	-		Spacing.....	-	-	-	
" " Angles	-	-	-		Poop Deck, Angle, E or F	130 ^{1/2}	65 ^{1/2}	34	REV. ANG. 8 1/2 Every 3rd F ✓
DOUBLE BOTTOM.					Spacing.....	30			✓
Solid Floors, thickness and spacing	33" every 3rd F			✓	Bridge Deck, Angle, E or F	5	3	13 1/2	✓
" " Are Frame and Reversed Frame joggled?.....	No			✓	Spacing.....	30			✓
Bracket Floors, breadth and thickness at middle line.....	27	37		✓	Forecastle Deck, Angle, E or F	180 ^{1/2}	75 ^{1/2}	9 ^{1/2}	✓
" " breadth and thickness at margin plate.....	27	37		✓	Spacing	54	48	34	✓

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
in 'tween Decks, Size and Spacing.....	-	-	-	wide spaced as per app. plan.		-	-	-	
" " " " " "	-	-	-			-	-	-	
in Holds " " " "	-	-	-	as per plan.		-	-	-	
" " " " " "	-	-	-			-	-	-	
Centre Line Bulkhead.									
Stiffeners and Spacing.....	-	-	-			-	-	-	
Plating, thickness of	-	-	-			-	-	-	
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	45	44	70	✓		-	-	-	
" " " " in way of Bridge	45	70		✓		-	-	-	
" Angle in Wells	5	5	56	✓		-	-	-	
Thickness of Plating abreast Deck openings in way of Wells	37			✓		-	-	-	
Thickness of Plating abreast Deck openings in way of Bridge	37			✓		-	-	-	
Thickness of Plating within line of openings...	34			✓		-	-	-	
If Sheathed, material and thickness	✓	-	-			-	-	-	
Second Deck.									
Stringer Plate, breadth and thickness in Wells...	-	-	-			-	-	-	
Stringer Plate, breadth and thickness in way of Bridge	-	-	-			-	-	-	
Thickness of Plating abreast Deck openings in way of Wells	-	-	-			-	-	-	
Thickness of Plating abreast Deck openings in way of Bridge	-	-	-			-	-	-	
Thickness of Plating within line of openings...	-	-	-			-	-	-	
If Sheathed, material and thickness	-	-	-			-	-	-	
Third Deck.									
Stringer Plate, breadth and thickness.....	-	-	-			-	-	-	
If Plated, state thickness.....	-	-	-			-	-	-	
Fourth Deck.									
Stringer Plate, breadth and thickness.....	-	-	-			-	-	-	
If Plated, state thickness	-	-	-			-	-	-	
Poop Deck.									
Stringer Plate, breadth and thickness	26	32-34		✓		-	-	-	
Plating, Sheathing, material and thickness	32-34			✓		-	-	-	
Bridge Deck.									
Stringer Plate, breadth and thickness.....	35	34		✓		-	-	-	
Plating, Sheathing, material and thickness	32	2" O.P.N.E. in accommodation.		✓		-	-	-	
Forecastle Deck.									
Stringer Plate, breadth and thickness.....	26	34		✓		-	-	-	
Plating, Sheathing, material and thickness	34			✓		-	-	-	

SHELL PLATING.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	RIVETING. Amidships.					
	AMIDSHIPS.		FORWARD.	AFT.		EDGES.		BUTTS.			
	Breadth.		Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Inches.	Inches.	Inches.	Inches.					Diam.	Spacing or to cr.	
FLAT PLATE KEEL	45	58	50	54		Double	7/8 3/8	Three	7/8	3/8	
" DELG. (if any)	-	-	-	-		-	-	-	-	-	
BOTTOM PLATING, No. of Strakes THREE...	66	52	48	46-50		Double	7/8 3/2	Three	7/8	3/8	
BILGE PLATING, No. of Strakes ONE...	66	52	40	46		Double	7/8 3/4	Three	7/8	3/8	
SIDE PLATING, No. of Strakes THREE...	67	52	40	40		Single	7/8 3/4	Three	7/8	3/8	
UPPER DECK, Sheer-strake in Wells.....	47	-	62-52	62-58		Single	7/8 3/2	Three	7/8	3/8	
UPPER DECK, Sheer-strake in Bridge ...	47	62				Double	7/8 3/4	Four	7/8	3/2	
STRAKE BELOW Sheer-strake in Wells.....	66	-	56-48	56		Single	7/8 3/2	Three	7/8	3/8	
STRAKE BELOW Sheer-strake in Bridge ...	66	56				Single	7/8 3/4	Three	7/8	3/8	
POOP SIDE PLATING	46	32				Single	5/8 2 1/2	One	5/8	2 1/4	
BRIDGE SIDE PLATING ...	48	34				Single	5/8 2 1/2	One	5/8	2 1/4	
FORECASTLE SIDE PLATING	-	34				Single	5/8 2 1/2	One	5/8	2 1/4	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	Four ✓
" Deck next below	✓
As per Rule	Four ✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	-				
" " Second "	-				
" " Third "	-				
" " Holds	26-36	200 x 75	32 1/2	27	
COLLISION " (in Hold)	46-30	200 x 75	32 1/2	24	
AFTER PEAK " "	50-30	200 x 75	32 1/2	24	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	-	-	-	-
STEM	Forging	7 1/4 x 2 1/8	Mitsui Bussan K.	
STERN FRAME {	Propeller Post	Cast S. 7 1/4 x 5 1/2	Sumitomo S. Wks.	
	Rudder	" 8 1/4 x 5 1/2		
RUDDER—A x D.		240-95		✓
Speed of Vessel		Under 12 knots		✓
RUDDER mainpiece at head ...	Forging	7 1/2		✓
" " heel ...		5 1/2		✓
" how constructed	Built			
" double or single plate	Single	1"		
" coupling, vertical or horizontal	Vertical	2 1/2 x 1 1/2		✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *O.L. Steel*
Yawata S.K. Wks. Kawasaki S. Wks. Phoenix Abt. Boarder Verein. August Thyssen - Lütte.
 Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No. 17,828										LETTER R		ANCHORS. 3 B. 1 S.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
17237	1st Bower ...	39	3	7	-	-	-	35 5/8				35 1/2	Byers Type	?	Cardiff. 17/1/28 A.J.
17231	2nd „ ...	39	0	0	-	-	-	35 5/8				35 1/2	„	?	„ 16/1/28 A.J.
17233	3rd „ ...	38	2	0	-	-	-	34 8				35 1/2	„	?	„ 17/1/28 A.J.
	Collective weight.	117	1	7								10 1/2			
17238	Stream	10	0	14	2	3	0	12 1				9 1/4	Common	?	„ 17/1/28 A.J.

CHAIN CABLES.										HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.		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 53.	
	Length.	Diam.	Statury.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
1515	243	1 13/16	59 1/8	82 3/4	413 . 0 . 0	370 1/2	240	1 1/2	Stud Link	Osaka Chkter.	Osaka. 11-11-27	TOWLINE	90	3 1/2	58 1/8	90	3 1/2
Iron Stream Chain or Steel Wire	75	4	68	62	57.5	-	75	4			Osaka 6-3-28 H.D.B.	HAWSERS & WARPS	120	6"		90	5"
												"	120	6"		90	5"
												"	90	7"		90	6"
												"	90	7"		90	6"

Steering Gear, ~~Electric~~ *Self Shaw Type Elect. - Hyd.*

Steering Gear, Hand *Self Shaw.*

Boats *one Emma 17'-0"*

Steering Chains, Size and Test *O.P.M.*

Windlass *Clarke Chapman.*

Ceiling in Holds, thickness and material *12"x2 1/2" on 1/2"x2 1/2" batten*

Cargo Battens, thickness, material and spacing *6"x2" O.P.M. 8" spacing.*

Cargo Hatchways. (Upper Deck) *Four.*

Thickness of Hatches *Steel 3/8" . 44 no bms*

Size of No. 1 Hatchway (Forward) *30'5" x 18'* No. 2 *30' x 18'* No. 3 *30' x 18'* No. 4 *30' x 18'* No. 5 *-* No. 6 *-*

Number of Shifting Beams *and/or Fore and Afters Five per hatchway.*

Builder's Signature

J. W. Kar

GENERAL DECLARATION *This vessel has been constructed under special survey & in accordance with the Rule requirements & approved plans. The materials & workmanship are sound & good. The Double Bottom, weather deck, bulkheads & tunnel plating have been tested according to Rule & found satisfactory.*

The requirements of Sect 35 of the Rules have been complied with & the vessel, in my opinion, is eligible for the notation — Fitted for oil fuel 6-28 (F.P. above 150°F) "pt cem" "A.C.P.C." "A.B.H." with the insertions "Wireless & Electric Light" in the Register Book.

The amount of Entry Fee *75* : - :

Fees applied for,

JUNE 11th 1928

Special Survey Fee.... *2736* : - :

Received by me,

Travelling Expenses, if any *276* : - : *including machinery.*

I am of opinion the Vessel should be Classed *+ 100 A1.*

State whether the Vessel has been built under Special Survey *Yes*

Signature

H. Kimber.

Certificate to be sent to *Kbe*

Date of issue

13/7/28 (see cable)

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 13 JUL 1928

Character assigned

+ 100 A1

+ L.M.C. 6-28

Oil engines

With 2x6.

July



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Lloyd's Register Foundation

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Plans:- Midship Section.
Construction profile, decks & inner bottom.
General arrangement.

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

1st Bower	Cwt. 23-3-7	A.J.	5485	14-1-28
2nd "	" 23-1-0	A.J.	5480	13-1-28
3rd "	" 20-3-21	A.J.	5482	14-1-28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 64 ft., R.Q.D. ✓ ft., Bridge 27.5 ft., Forecastle 33.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 dk. (skl.)

Official No. 33627 ; Signal Letters T.N.F.N.

No. 1, 2, 3. & F. & A. PEAKS.
Is bottom of Vessel coated with cement YES if not give particulars of composition Cement.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	82.0	223.	Fore peak tank,	19	104
Double bottom, under Engines and Boilers,	31.5	32.5	After peak tank,	13	36
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	99	215	Other tanks, if fitted,	-	-
Total capacity of double bottom		470.5	(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. 20

Date 16-3-27

Dates of Surveys held while building

1927 JUNE 16, 23. JULY 1, 5, 8, 15. AUG. 6, 11, 17, 23, 29. SEPT. 12, 16, 22, 29. OCT. 4, 13, 19, 21, 31. NOV. 7, 14, 17, 21, 25, 29. DEC. 5, 9, 14, 20, 26. 1928 JAN. 13, 17, 24, 30, 31. FEB. 6, 28. MAR. 1, 9, 15, 19, 28. APRIL 4, 24. MAY 1, 4, 8, 16, 23, 30, 31. JUNE 4, 7, 9. —

Total No. of Visits 56.