

STEEL STEAMER or MOTORSHIP.

Received at London Office

23 AUG 1928

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

25-7-28

Port of

Kobe.

No.

6195.

Survey held at

Yama.

Date First Survey

16-7-27

Last Survey

24-7-

1928

On the (State if Machinery fitted Aft and

(Engines aft.) Steel Single Screw Motorship "TATSUTASAN MARU"

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

CLASS #100A1.

State if with freeboard as condition of Class

No.

Built at Yama.

Do. 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

1st Longitudinal Number (L x D) = 5786

2nd Numeral L x (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'-2"

Launched 10-3-28 Yard No. 134.

Builders Mitsui Bussan Kaisha.

Owners Mitsui Bussan Kaisha.

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

Residence Kobe.

Port of Registry Tokio.

If surveyed while building, afloat, or in dry dock

Building.

REGISTERED DIMENSIONS.

FEET.

275.5

40.75

21.00

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.
FRAMES, Spacing amidships	30		Bracket Floors, Frame	180% 75% 90%	
" from 1/2 length to Collision bulkhead	27		" " Reversed Frame	180% 75% 86%	
" in peaks	24		" " Vertical Struts	180% 75% 86%	
FRAMING.			Centre Girder, depth and thickness amidships	35 44 36	
Amidships, Angle	230% 90% 11%		" " top Angles	5 5 42-40	
" Extends up to	Upper Dk. one F. to B.Dk. @ ends of B.		" " bottom Angles	90% 90% 12% 11%	
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	3 3 9%	
Angles in Uppermost Continuous 'tween Decks, Angle, [or]	- - -		" " Bracket abaft 1/2 len. from stem	5 5 40	
" Second 'tween Decks, Angle, [or]	- - -		" " Vertical Angle to Tank side	5 5 40	
" Third " " " "	- - -		" " Bracket forward 1/2 len. from stem	5 5 40	
Framing in Peaks, Angle	150% 70% 30%		" " Gussets, spacing and scantling abaft 1/2 len. from stem	90% 90% 10% Every 3RD F.	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" 6 dia. 5 1/2 dia. in peak F.		" " Gussets, spacing and scantling forward 1/2 len. from stem	90% 90% 10% Aft. F.	
State if Frame Joggled	Yes		Tank Side Brackets, height above base line at toe of Frame and thickness	57	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	280% 90% 11% frames 100% 90% 42% rev. ad. side str.		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	As per Rule.		Breadth and thickness of Middle Line Strake	45 40 34	
DOUBLE BOTTOM.			Thickness of remainder in Holds	42	
Keelsons, Depth and thickness at mid-line in Holds	- - -		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	
" Height of Brackets at side above base line at toe of frame	- - -		BEAMS.		
Middle Line Keelson, on Floors, Angles, [or]	- - -		Uppermost Continuous Deck, amidships	180% 75% 86%	
" " " Through Plate or Intercoastal Plate	- - -		" " " in Wells, Angle	180% 75% 105%	
" " " Foundation Plate on Floors	- - -		" " " in way of Bridge, Angle	180% 75% 105%	
" " " Flat Plate Keel Angles	- - -		Spacing	30	
Keelsons, No. each side	- - -		Second Deck, amidships, Angle, [or]	- - -	
" thickness of Intercoastal Plate	- - -		Spacing	- - -	
" Angles	- - -		Third Deck, amidships, Angle, [or]	- - -	
DOUBLE BOTTOM.			Spacing	- - -	
Solid Floors, thickness and spacing	33" every F. in ER. 3RD F. stiffeners.		Fourth Deck, amidships, Angle, [or]	- - -	
" " Are Frame and Reversed Frame joggled?	No.		Spacing	- - -	
Bracket Floors, breadth and thickness at middle line	27 37		Poop Deck, Angle, [or]	130% 65% 34	
" " breadth and thickness at margin plate	27 37		Spacing	30	
			Bridge Deck, Angle, [or]	5 3 40	
			Spacing	30	
			Forecastle Deck, Angle, [or]	180% 75% 91% 54" space	
			Spacing	54 48	

PILLARS AND DECKS.

		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....	<i>Wide spaced pillars as per approved plan.</i>				
" in 'tween Decks, Size and Spacing.....					
" " " " "					
" in Holds " "	<i>as per plan</i>				
" " " " "					
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 Wells37				
Thickness of Plating abreast Deck openings) in way of Bridge37				
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"OP in accommodation.				
Forecastle Deck.					
Stringer Plate, breadth and thickness.....	26 34				
Plating, Sheathing, material and thickness ..	34				

SHELL PLATING.

SCANTLINGS.					RIVETING. <i>Amidships.</i>								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	45	58	50	54		Double.	7/8	3/8	Three	7/8	3/8	Lapped	
„ DELG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes <i>THREE</i> ...	66	52	48	46 & 50		Double.	7/8	3/2	Three	7/8	3/8	"	
BILGE PLATING, No. of Strakes ... <i>ONE</i> ...	66	52	40	46		Double.	7/8	3/4	Three	7/8	3/8	"	
SIDE PLATING, No. of Strakes <i>THREE</i> ...	66-67	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	"	
	30		52 Doubling @ ends of B.										
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		32				Single.	5/8	2 1/2	One	5/8	2 1/4	"	
	46 & 48												
BRIDGE SIDE PLATING ...		34				Single.	5/8	2 1/2	One	5/8	2 1/4	"	
FOREC'TLE SIDE PLATING		34				Single.	5/8	2 1/2	One.	5/8	2 1/4	"	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.		Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c) <i>Four.</i>										
" Deck next below <i>✓</i>										
As per Rule <i>Four.</i>										
		Plating Thickness.	STIFFENERS.							
			VERTICAL.		HORIZONTAL.					
			Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKH'D, Upper tween decks		-	-	-	-	-				
"	"	Second	"	-	-	-				
"	"	Third	"	-	-	-				
"	"	Holds	26-36	200x75 13 1/2" x 7	27	-	-			
COLLISION		"	(in Hold)	46-30	200x75 10" x 7	24	-	-		
AFTER PEAK		"	"	50-30	180 75 8 1/2" x 7	24	-	-		

		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		-	-	-	-
STEM		Forging	7 3/4 x 2 1/8	Mitsui B.K.	
STERN FRAME	Propeller Post	C.S.	7 1/4 x 5 1/2	Sumitomo	
	Rudder	C.S.	8 1/4 x 5 1/2	Stl. Wks.	
RUDDER—A x D		240-95			
Speed of Vessel		Under	12 KNTS.		
RUDDER mainpiece at head		Forging	7 1/2	Sumitomo	
" " heel			5 1/2	Stl. Wks.	
" how constructed		Built.			
" double or single plate		Single	1"		
" coupling, vertical or horizontal		Vertical	2 1/2 x 17 1/2		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
YAMATA STEEL WORKS, KAWASAKI STEEL WORKS, PHOENIX BRASS & IRON WORKS, AUGUST THYSSEN, HOTT

Has the Steel been tested as required by the Rules? YES

EQUIPMENT No. 17.828										LETTER R		ANCHORS. 3B. 1S			
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.	Cwts.			
17234	1st Bower ...	39	3	0	-	-	-	35.6	-	-	-	35 1/2	BYER'S TYPE.	?	CARDIFF 17-1-28 A.J.
17235	2nd „ ...	37	3	14	-	-	-	34.4	-	-	-	35 1/2		?	
17192	3rd „ ...	36	3	0	-	-	-	33.6	-	-	-	35 1/2		?	
	Collective weight.	114	1	14								106 1/2	101	?	6-12-27
17236	Stream	10	0	14	2	2	7	12-1	-	-	-	9 1/4	COMMON W.L.	?	

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Fathoms.	Cir.		Fathoms.	Cir.	Fathoms.	Cir.
1541	Fathoms. 242	1 1/8	Tons. 10	Lbs. 82 1/2	Cwts. 414	qrs. 0	lbs. 27	370.5	240	1 1/8	STUD LINK	OSAKA CHLKS.	OSAKA 8-2-28 J.	TOWLINE...	90	3 1/2	45	90	3 1/2
Iron Stream Chain or Steel Wire	75	Cir. 4	WIRE ROPE		-	-	-	-	75	Cir. 4			OSAKA 23-4-28 HDB.	HAWSERS & WARPS	90	7		90	6
			"	90										7		90	6		
			"	120										6		90	5		
			"	120										6		90	5		

Steering Gear, Steam *J. Hasties Electric Hydraulic.*
Steering Gear, Hand *J. Hasties'*

Boats *Two 22'-0" x 6'-9" x 3'-0"*
Steering Chains, Size and Test ☒
Windlass *Clarke Chapman.*

Ceiling in Holds, thickness and material *O.P. 12' x 2 1/2" on 1 1/2 x 1/2 batts.*
Cargo Battens, thickness, material and spacing *6" x 2" O.P. 8" spacing.*

Cargo Hatchways.-(Upper Deck) *Four*
Thickness of Hatches *3/8" steel. 44. 44. 44. 44.*

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 hatch.*

Builder's Signature *J. Ukai.*

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 the Rules & 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 7-28 (F.P. above 150° F.) "pt. cen" A.T.P.C. "4 B.H." with the insertions "wireless & Electric Light" in the Register Book.

The amount of Entry Fee *YEN : 53:-*
Special Survey Fee *2801:-*
Travelling Expenses, if any *178:-*

Fees applied for, 19
Received by me, 19

State whether the Vessel has been built under Special Survey *YES.*

Certificate to be sent to *Kbe*
Date of issue *27/9/28*

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

Signature *W. Kimber.*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 31 AUG 1928*

Character assigned *1- 100 A1*

Lloyds ascp
thine 7.28
DB-8016
oil Engines

Engine

W 1142-0082

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.)

- (1) Midship Section.
 - (2) General arrangement.
 - (3) Construction, Profile, Decks, & Inner Bottom.
- M/V. "TAKAMISAN MARU" Report No. 6143. sister vessel.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	22-1-7	A.J.	5483	14-1-28
	2nd "	19-0-21	A.J.	5484	14-1-28
	3rd "	21-1-7	A.J.	5465	3-12-27

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. (STL)

Official No. 336440 : Signal Letters T.N.V.K. Is bottom of Vessel coated with cement ^{Nos 1, 2, 3 & F & A, PEAKS} 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	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. 21.

Date 16-3-27.

Dates of Surveys held while building

1927. JULY. 16. Aug. 6, 11, 17, 23, 29. Sept. 5, 12, 16, 22, 29. Oct. 4, 13, 19, 21, 31. Nov. 7, 8, 14, 17, 25, 29. Dec. 5, 9, 15, 20, 26. 1928. JAN. 13, 17, 18, 24, 31. FEB. 14, 28. MAR. 1, 9, 19. APR. 4, 24. MAY. 4. JUNE. 4, 12, 19, 26. JULY. 4, 13, 20, 24.

Lloyd's Register Foundation

Total No. of Visits 46.