

STEEL STEAMER or MOTORSHIP.

20 JUL 1936

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **YES**State if Report is sent on the Machinery of the Vessel **YES**Date of completion of report **3/7/1936**Port of **KOBE**No. **9607**Survey held at **TAMA**Date First Survey **27/9/1935**

Last Survey

1/6/1936On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **Steel Single Screw motor ship CANBERRA MARU.**State Type (Full Scantling, Complete Superstructure with or without Tonnage Opening) **Complete Superstructure without Tonnage Opening.** State Type of Erections **Forecastle**TONNAGE under Tonnage Deck... **5830.91**CLASS **100 A 1.**State if with freeboard as condition of Class **YES**Built at **Mitsui Bussan Kaisha, Tama.**

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 128.00**Launched **12/3/36** Yard No. **216**

Total

Breadth (greatest moulded) **B 17.50**Builders **Mitsui Bussan Kaisha.**Gross Tonnage **6477.23**Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 11.00**Owners **Osaka Shosen Kaisha.**Register Tonnage **3857.71**1st Longitudinal Number (L x D) = **1408**Managers
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) = **3648**

Residence

REGISTERED DIMENSIONS.

Length **424.7** **129.47**Breadth **57.41** **17.50**Depth **36.09** **11.00**

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

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

11.64Port of Registry **Osaka.**

If surveyed while building, afloat, or in dry dock

while 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.
FRAMES, Spacing amidships	760		Bracket Floors, Frame	8 x 3 1/2 x 45	✓
" " from 3/4 length to Collision bulkhead	680		" " Reversed Frame	200 x 75 x 10	✓
" " in peaks	610		" " Vertical Struts	300 x 90 x 90 x 1/8 x 5.5	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1.100 x 14.5	
Frame Amidships, Angle E or C	9 x 3 1/2 x 475	✓	" " top Angles	100 x 100 x 13	✓
" " Extends up to	2nd 3rd 4th	✓	" " bottom Angles	130 x 130 x 15	✓
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	ONE 10.5	✓
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	890 x 14	✓
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	130 x 130 x 12	✓
Frames in Uppermost Continuous 'tween Decks, Angle E or C	8 x 3 1/2 x 45	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	130 x 130 x 12	✓
" " Second 'tween Decks, Angle E or C	9 x 3 1/2 x 475	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous	✓
" " Third " " "	8 x 3 1/2 x 45	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	ditto	✓
Framing in Peaks, Angle E or C	200 x 75 x 10	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	2000 x 11.5	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 1/4 160 for 145 "	Bottom pl. Side "	INNER BOTTOM PLATING.		
State if Frame Joggled	YES	✓	Breadth and thickness of Middle Line Strake	1650 x 13	✓
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars			Thickness of remainder in Holds	11.	✓
TRENGTHENING OF BOTTOM FORWARD. State Particulars			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?	See plan	✓
INGLE BOTTOM. Wing Tanks.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	1100 x 10.5	✓	Uppermost Continuous Deck, amidships in Wells, Angle E or C	8 x 3 1/2 x 45	✓
Height of Brackets at side above base line at toe of frame	NONE	✓	" " in way of Bridge, Angle, C or E	9 x 3 1/2 x 475	✓
Middle Line Keelson, on Floors, Angles	90 x 90 x 13	✓	Spacing	every fr.	✓
" " Through Plate or Intercoastal Plate	11.5	✓	Second Deck, amidships, Angle E or C	200 x 75 x 10	✓
" " Foundation Plate on Floors	11.	✓	Spacing	2 every fr.	✓
" " Flat Plate Keel Angles	130 x 130 x 15	✓	Third Deck, amidships, Angle C or E	9 x 3 1/2 x 475	✓
Side Keelsons, No. each side	NONE	✓	Spacing	every fr.	✓
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle C or E		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle C or E		
Solid Floors, thickness and spacing	10.5 every 3rd fr.	✓	Spacing		
" " Are Frame and Reversed Frame joggled?	YES.	✓	Bridge Deck, Angle E or C	150 x 75 x 8	✓
Bracket Floors, breadth and thickness at middle line	1350 x 10.5	✓	Spacing	760	✓
" " breadth and thickness at margin plate	850 x 10.5	✓	Forecastle Deck, Angle C or E	8 x 3 1/2 x 45	✓
			Spacing	every fr.	✓

PILLARS AND DECKS.

		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS. No. of Rows.....	Two			Stringer Plate, breadth and thickness in way of Bridge			✓
„ in 'tween Decks, Size and Spacing.....				Thickness of Plating abreast Deck openings in way of Wells	9.5		
„ „ „ „ „				Thickness of Plating abreast Deck openings in way of Bridge			
„ in Holds „ „				Thickness of Plating within line of openings...			
„ „ „ „ „				If Sheathed, material and thickness			
Centre Line Bulkhead...	NONE			Third Deck.			✓
Stiffeners and Spacing.....				Stringer Plate, breadth and thickness.....	1750x8.5		
Plating, thickness of				If Plated, state thickness.....	7.5		✓
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	1750x17			If Plated, state thickness			
„ „ „ „ in way of Bridge				Poop Deck.			
„ Angle in Wells	150x150x19			Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells	13.5			Plating, Sheathing, material and thickness ..			
Thickness of Plating abreast Deck openings in way of Bridge				Bridge Deck.			
Thickness of Plating within line of openings...				Stringer Plate, breadth and thickness.....	1900x8		
If Sheathed, material and thickness	NONE			Plating, Sheathing, material and thickness T.E. 1300x8			60.0.P. enclosed 75. - exposed
Second Deck.				Forecastle Deck.			✓
Stringer Plate, breadth and thickness in Wells...	1800x10.5			Stringer Plate, breadth and thickness.....	890x9.		
				Plating, Sheathing, material and thickness ...	8.5		nosheathing

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.									
FLAT PLATE KEEL	21	19	18.5	20" Forward Strake.	double	25	100	4	25	100	Lapped		
" Bilg. (if any)													
BOTTOM PLATING, No. of Strakes	15.5	14	12.5		do	22	90	4	22	90	"		
BILGE PLATING, No. of Strakes	15.5	12.5	12.5		do	22	90	4	22	90	"		
SIDE PLATING, No. of Strakes	15.5	11.5	11.5		do	22	90	3	22	80	"		
UPPER DECK, Sheer-strake in Wells	19	11.5	11.5		do	25	100	4	25	100	"		
UPPER DECK, Sheer-strake in Bridge													
STRAKE BELOW Sheer-strake in Wells	17.5	11.5	11.5		do	22	90	4	22	90	"		
STRAKE BELOW Sheer-strake in Bridge													
POOP SIDE PLATING													
BRIDGE SIDE PLATING					double	3/4	76				Bridge recorded or reported		
FOREC'TLE SIDE PLATING		10.5			Single.	3/4	75	2	19	65	"		

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— eight.

Extending to Upper Deck (Sec. 3 c) all to upper deck.

„ Deck next below NONE

As per Rule Seven.

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Elect. furnace.		Mitsui Bussan	See approved Plans.
STEM	Cast steel		Kaisha, Tama.	
STERN FRAME {				
Propeller Post			Kobe steel	
Rudder "	Cast steel	✓	Wks. LTD. Kobe.	
RUDDER—A × D	1625	✓		
Speed of Vessel	under 16 ³ / ₄ knots	✓	Kobe steel	
RUDDER mainpiece at head	Forged stock	315	Wks. LTD. Kobe.	
" " heel	Cast steel.	✓		
" how constructed	Ortho Rudder.			
" double or single plate	13 mm.	✓		
" coupling, vertical or horizontal	Scaphes	8-88 bolts		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULK'D,	Upper tween decks	65-7	150.75	85	762	
"	" Second "	75-8	180.75	95	762	
"	" Third "					
"	" Holds	9-11.5	9.3½	475	814	8m See plan
COLLISION	" (in Hold)	9-13.5	200.75	105	610	See plan.
AFTER PEAK	" "	85-15	150.75	55	610	See plan.

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth Process.*
Nippon Seitetsu Kabushiki Kaisha ; Asano Shipbuilding Co. ;
Kawasaki Dockyard Co, Ltd., Fukui plate & sheet mills.
 Has the Steel been tested as required by the Rules? *YES.*

Has the Steel been tested as required by the Rules?

YES.

Open hearth Process

Lloyd's Register
Foundation

EQUIPMENT No. 3770 M.												LETTER a.f.		ANCHORS.		
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.				
1167	1st Bower ...	69	3	18				53	15	0	0	68	72 1/2	stockless	The Kobe Steel Works Ltd A877H	KSWPH 29.1.36 C.M.
1166	2nd „ ...	69	3	23				"	"	"	"			"	" B2850H	" " "
1168	3rd „ ...	70	1	14				54	0	0	0			"	" B2829E	" " "
	Collective weight.	210	0	27								194.5	207			
1169	Stream	20	3	8	5	1	26	21	10	1	17	19	20 1/2	stock	" A834D	" 31.1.36 "

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.				
	Fathoms.	Diam.	Ins.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Diam.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
2160	315 1/2	2 3/8	10 1/2	142 1/2	952.3	22	720 3/4	270	2 5/8	J26 E. 3.	The Osaka Chain Works Ltd. 7.11.35 11.11.35 14.11.35	TOWLINE	240 40.5	220 121					
												HAWSERS & WARPS	185 28.0	2x165 56 dia					
													4-183 650	2x165 64					
Iron Stream Chain or Steel Wire	225	127						165	127										

Steering Gear, ~~Steam~~ Electric (Yutani Kosakusho, Osaka) Steering Gear, Hand *Wheel*.

Boats *2-life Boats* Steering Chains, Size and Test _____ Windlass Electric (Yutani Kosakusho, Osaka)

2-under decked Boats

Ceiling in Holds, thickness and material *65 mm O.P. on 50 mm sleeper.* Cargo Battens, thickness, material and spacing *150 mm x 50 mm O.P. 180 apart.*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles 12 mm Plates Coam.* Thickness of Hatches *75 mm O.P.*

Size of No. 1 Hatchway (Forward) *6120x5400* No. 2 *11400x6100* No. 3 *6080x6100* No. 4 *5320x6100* No. 5 *11400x6100* No. 6 *5320x5400*

Number of Shifting Beams *and/or Fore and Afters* 4 7 4 3 7 3

Builder's Signature *PER PRO MITSUBI BUSSAN* *Sub-Manager Shipbuilding Dept.*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans and instructions as well as with the Rules. The materials have been tested as required by the Rules. The workmanship is good. The freeboard assigned by the Japanese Government has been marked and verified. The double bottom tanks, wing tanks, peak tanks, wells & cofferdams, bulkheads, tunnel, scuppers, W.T. doors, & Taapaulins have been tested as required by the Rules. The requirements of Section 20. of the Rules have been complied with and oil fuel is to be carried in the double bottom and wing tanks, flash point above 150°F.

In my Opinion the vessel is entitled to the notations: "fitted for oil fuel 6.36 F.P. above 150°F," "Lloyds A + C.P." "Cruise Stern" "Wireless Telegraph" "Electric light."

The amount of Entry Fee £ 10 : 0 : 0 Fees applied for, *129/5/1926*

Special Survey Fee.... £452 : 8 : 1 Received by me, *25-8-36*

incl. Machinery Travelling Expenses, if any £ *489* *25/8*

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

Certificate to be sent to *Builders.* Date of issue *30/7/36*

I am of opinion the Vessel should be Classed *+100A1 with Free board*

Signature *S. J. Loso.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 24 JUL 1936

Character assigned *+100A1*

With freeboard

Lloyd's A + C.P. + incl. 5.36 S.B. 1000

Oil fuel

Write up

Bank

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.)

The following plans & documents are forwarded with this report:—

- ① Midship Section as built.
- ② Profile & Weels
- ③ Steel Advice notes.
- ④ Copies of forging & Casting Certificates.

	weight	Surveyor	No of Ceti.	Date
Particulars of Drop Test of Cast Steel Anchors, viz.:—				
Weight, Surveyor's Initials, Number of Certificate, Date of Test.				
1st Bower	39.1.8.	C. M.	1167	14.11.35
2nd "	39.1.20.	"	1166	"
3rd "	39.2.21.	"	1168	"
Stock Anchor	19.0.23	"	1169	18.10.35

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 39.3 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) 3 decks, steel, 3rd deck omitted in No 3 hold.

Official No. 41765 ; Signal Letters J.P.L.K. Is bottom of Vessel coated with cement NONE if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, Fr. 28 to 69	102.2	284.5	Fore peak tank, 164 to fore end	23	40.2
Double bottom, under Engines and Boilers, 69 to 93	59.9	167.8	After peak tank, 10 to aft end	11.3	14.3
Double bottom, if under Engines only, 93 to 162	165	487	Deep tank, aft, fr. 20-28	19.9	83.15
Double bottom, if under Boilers only, 93 to 162	165	487	Deep tank, forward,		
Double bottom, forward, 93 to 162	165	487	Other tanks, if fitted,		
* Excluding small tanks within the double bottom.		Total capacity of double bottom 939.5	(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. 53

Date 18.4.35

Dates of Surveys held while building

Sept/35. 27. Oct/35. 25. Nov/35. 18.25.27. Dec/35. 10.12. Jan/36. 8.15.28

Feb/36. 7.13.14.15.19.20.21.24.27. Mar/36. 2.5.7.9.10.26.28.30 April/36. 7.16.

May/36. 5.18.21.22.26.27.28. June/36. 1.

Total No. of Visits 38

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