

STEEL STEAMER or MOTORSHIP.

Received at London Office

16 FEB 1925

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 *24 December 1924* Port of *Kobe* No. *4710*Survey held at *Harima* Date First Survey *12 February 1924* Last Survey *23 December 1924*On the (State if Machinery fitted Aft and (if Single, Twin or Triple Screw) *Steel Twin Screw Motor Ship "FUKKO MARU"*State Type (Full Scantling, Complete Superstructure) *Full Scantling* State Type of Erections *Pop. Bridge and Forecastle*

TONNAGE under Tonnage Deck... <i>3385.06</i>	CLASS <i>+ 100 A1</i>	State if with freeboard as condition of Class <i>No.</i>	Built at <i>Harima</i>
Do. of space or spaces between Tonnage Dk. and Upper Dk. <i>3385.06</i>	Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) <i>L 350.0</i>	Launched <i>20 September 1924</i> Yard No. <i>93</i>	Builders <i>Kobe Steel Works Harima Dockyard</i>
Tonnage <i>3834.06</i>	Breadth (greatest moulded) <i>B 50.0</i>	Owners <i>Kobe Steel Works</i>	Managers <i>Suzuki & Co.</i>
Net Tonnage <i>2289.94</i>	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) <i>D 27.0</i>	Residence <i>Kyo-Machi Kobe</i>	Port of Registry <i>Kobe</i>
REGISTERED DIMENSIONS. FEET.	1st Longitudinal Number (L x D) <i>= 9450</i>	If surveyed while building, afloat, or in dry dock <i>Yes</i>	
<i>350.75</i>	2nd Numeral L x (B + D) <i>= 26950</i>		
<i>50.0</i>	Framing Depth "d," at middle of length. See Sec. 3 (1d) <i>23.93</i>		
<i>27.0</i>	Proportions—Depth to Length—Uppermost continuous deck to top of keel <i>12.96</i>		
	Do. Long Bridge to top of keel <i>10.14</i>		
	Draught Moulded <i>22.23</i>		

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	26 1/2"	/	Bracket Floors, Frame	BA	9 x 3 1/2 x 42
" from 1/2 length to Collision bulkhead	26 1/2"	/	" " Reversed Frame	BA	8 x 3 1/2 x 46
" in peaks	24	/	" " Vertical Struts	BA	8 x 3 1/2 x 46
FRAMING.			Centre Girder, depth and thickness amidships	40" x 50" b 40	ends.
Frame Amidships, []	10" x 3 1/2" x 50"	/	" " top Angles	Double	3 x 3 x 48 b 46 ends
" Extends up to	upper deck	/	" " bottom Angles	Double	4 x 4 x 54 b 50 ends
Reversed Frame Amidships, Angle	5 x 3 x 1/16 Hold	/	Side Girders, No. each side and thickness	one 40 b 36	ends.
" " Extends up to	upper deck	/	Margin Plate depth (excl. of flange) and thickness	33 x 46	/
Depth of Framing Girder	10 1/2"	/	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 x 6 x 40	app. plan 6 x 6 x 38
Frames in Uppermost Continuous 'tween Decks, Angle, [] or []	/	/	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	- ditto -	/ - ditto -
" Second 'tween Decks, Angle, [] or []	/	/	" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 x 3 1/2 x 38	every frame except mach. space
" Third " " " "	/	/	" " Gussets, spacing and scantling forward 1/2 len. from stem	46 plates at mts	/
Framing in Peaks, []	4 x 3 x 40"	/	Tank Side Brackets, height above base line at toe of Frame and thickness	62" x 3/8	app. plan .36
Diameter and Spacing of Rivets through Shell Plating	1/8" 3/8"	/	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	/	Breadth and thickness of Middle Line Strake	48" x 50 b 40	ends.
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	web frames + stringers	/	Thickness of remainder in Holds	40" b 3/8	(50" in mach. space)
STRENGTHENING OF BOTTOM FOR FORWARD. State Particulars	Solid floors every frame forward of 3/5 length.	/	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. Room?	Yes	/
DOUBLE BOTTOM.			BEAMS.		
Frames, Depth and thickness at mid-line in Holds	/	/	Uppermost Continuous Deck, amidships in Wells, []	10 x 3 1/2 x 50"	/
Height of Brackets at side above base line at toe of frame	/	/	" " in way of Bridge, []	ditto	/
Middle Line Keelson, on Floors, Angles, [] or []	/	/	Spacing	26 1/2"	/
" " Through Plate or Intercoastal Plate	/	/	Second Deck, amidships, Angle, [] or []	/	/
" " Foundation Plate on Floors	/	/	Spacing	/	/
" " Flat Plate Keel Angles	/	/	Third Deck, amidships, Angle, [] or []	/	/
Keelsons, No. each side	/	/	Spacing	/	/
" thickness of Intercoastal Plate	/	/	Fourth Deck, amidships, Angle, [] or []	/	/
" Angles	/	/	Spacing	/	/
DOUBLE BOTTOM.			Forecastle Deck, []	8 x 3 1/2 x 38	app. plan 7 x 3 x 40
Mid Floors, thickness and spacing	3/8 x 49 1/2"	app. plan .36	Spacing	24"	/
" Are Frame and Reversed Frame joggled?	Frame only	/	Bridge Deck, []	7 x 3 x 40"	/
Bracket Floors, breadth and thickness at middle line	34 1/2 x 3/8"	app. plan .36	Spacing	26 1/2"	/
" breadth and thickness at margin plate	34 1/2 x 3/8"	/	Forecastle Deck, []	8 x 3 1/2 x 38	app. plan 7 x 3 x 40
			Spacing	24"	/

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.....			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		
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge		
„ in Holds „ „			If Sheathed, material and thickness		
„ „ „ „ „			Third Deck.		
Centre Line Bulkhead.			Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing.....			If Plated, state thickness.....		
Plating, thickness of			Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	54" x .78" 6' 40"		Peop Deck.		
„ „ „ „ in way of Bridge	1.18 Break of Bridge		Stringer Plate, breadth and thickness	33" x 34"	
„ Angle in Wells	52" x 3/8"		Plating, Sheathing , material and thickness ..	Steel 5 1/16" + 3/8"	app. plan 30" x 38"
Thickness of Plating abreast Deck openings in way of Wells	6 x 6 + 25/32"	app. plan 6 x 6 + .78	Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	68" 6' 44"		Stringer Plate, breadth and thickness.....	52" x 4 1/16"	app. plan 52" x 44"
If Sheathed, material and thickness	34"		Plating, Sheathing , material and thickness ..	Steel 34"	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...			Stringer Plate, breadth and thickness.....	33" x 34"	
			Plating, Sheathing , material and thickness ..	5/16" + 13/32"	app. plan 32" x 40"

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>no.</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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	48	.46	.64	.64	app plan: .42 thickness	Double	1"	3-8"	Four.	1"	4"	Lapped.	
" DBLG. (if any)		✓											
BOTTOM PLATING, No. of Strakes4.....		9 1/16	7 1/16	7 1/16	✓	"	7/8"	3-3"	Three.	7/8"	3 1/8"	"	
BILGE PLATING, No. of Strakes2.....		9 1/16	7 1/16	7 1/16	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes3.....		9 1/16	7 1/16	7 1/16	app plan: .42 fwd + aft.	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells.....	60"	.48"	.42	.42	✓	Double	1"	3-8"	Two.	1 1/8"	4 1/2"	"	
UPPER DECK, Sheer-strake in Bridge ...	60"	9 1/16	1.18 Bridge Cleats	.42	✓	Double	7/8"	3-3"	Three.	7/8"	3 1/8"	"	
STRAKE BELOW Sheer-strake in Wells.....	60"	.66"	.42	.42	✓	Double	"	"	Two + Three.	7/8"	3 1/2 + 3 1/8"	"	
STRAKE BELOW Sheer-strake in Bridge ...	60"	9 1/16	.42	.42	✓	Double	"	"	Three.	7/8"	3 1/8"	"	
POOP SIDE PLATING				3/8"	✓	Single	3/4"	3"	Two.	3/4"	2 5/8"	"	
BRIDGE SIDE PLATING52"			✓	Double.	7/8"	3-3"	Three.	7/8"	3 1/8"	"	
FORE'TLE SIDE PLATING			.40		✓	Single.	3/4"	3"	Two.	3/4"	2 5/8"	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	6
„ Deck next below.....	✓
As per Rule.....	6.

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	Forging.	9" x 2 ³ / ₄	Kobe Steel Works.	
STERN FRAME { Propeller Post	C.S. Brackets	✓	" "	"
{ Rudder "	" "	8 ¹ / ₂ x 3 ¹ / ₂	✓	" "
RUDDER —A x D 112.24 x 34		382.6	✓	
Speed of Vessel 10 knots				
RUDDER mainpiece at head ...	Forging	9"	✓	" " "
" " heel ...	"	6 ³ / ₄ "	✓	" " "
" " how constructed	Bill		✓	
" " double or single plate	Single plate		✓	
" " coupling, vertical or horizontal.....	Horizontal		✓	

STEEL.

[illegible]

28007

16 FEB 1925

EQUIPMENT No. 26950

LETTER

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.	qrs.			
877	1st Bower ...	53	1	14	-	-	-	44	8	3	0	48 3/4	-	Halls Improved Stockless	Kobe Steel Wks	Kobe 31 3 24 Ydo.
878	2nd " ...	53	0	14	-	-	-	44	6	1	0	"	-	"	"	"
879	3rd " ...	44	2	25	-	-	-	39	1	3	14	"	-	"	"	" 3-4-54 "
	Collective weight.	151	1	0	-	-	-	-	-	-	-	139 (145)	-	Stock Admiralty type.	"	" 26-8-20 A.W.
	Stream	16	3	4	14	1	9	18	0	2	14	140	-	"	"	"

CHAIN CABLES.

HAWERS 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.		Supplied.	Per Rule.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.
1004	24 1/2	2 1/16	96 1/2	120 1/2	675 0 20	645 3/4	240	2 1/16	240	2 1/16	Osaka chain works.	Osaka 5-3-20-6 31-3-20-40	TOWLINE... HAWERS & WARPS	120	4 1/2	45	90	4"
														180	2 1/2	12 1/2	180	2 1/2
														180	7	16 1/2	180	6"

Electric Hydraulic: "Kale Shaw Martinson"

Steering Gear, Steam makers: Messrs Haskie Greenseck.

Steering Gear, Hand Screw type.

Boats 2 wood lifeboats
1 " Emma

Steering Chains, Size and Test

(DeLustr)

Windlass Electric motor

Ceiling in Holds, thickness and material 2 1/2" Oregon pine

Cargo Battens, thickness, material and spacing 2x6" OP 15" centres

Cargo Hatchways.-(Upper Deck) Steel plates + angles

Thickness of Hatches 3" (OP)

Size of No. 1 Hatchway (Forward) 39'-9" x 26'-0" No. 2 39'-9" x 26'-0" No. 3 39'-9" x 26'-0" No. 4 39'-9" x 26'-0" No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters 7 each hatch 18" x 36" with 4x3x1/16 PA

Builder's Signature

GENERAL DECLARATION This vessel has been constructed under Special Survey and in accordance with the Rule requirements and the approved plans.

The materials + workmanship are sound + good.

The requirements of section 35 of the Rules have been complied with and the vessel is in my opinion eligible for the notation "fitted for oil fuel 12-24" (F.P. above 150°) "1st class" and "Lloyd's A + CP".

Deep Tank, weather decks, tunnel, watertight bulkhead sides (see letter)
Reboard reinforced Club in (see letter)

The amount of Entry Fee £ ten : 86-00. Fees applied for,

Special Survey Fee..... £ " : 4924-00.

Travelling Expenses, if any £ " : 229-00

Received by me,

State whether the Vessel has been built under Special Survey

I am of opinion the Vessel should be Classed

+100A1

Subject to the Electric Welding Repairs to structural plates being examined at next docking.

Signature

Surveyor to Lloyd's Register of Shipping.

Full & Mch

Certificate to be sent to

Date of issue

Committee's Minute

FRI. 20 FEB 1925

Character assigned

100A1
subject

FRI. 20 FEB 1925

+L.M.B. 1224.C.L.
oil engines

Lloyd's A + CP

Lloyd's A + CP

TUES. 12 MAY 1925

FRI. 19 JUN 1925

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Lloyd's Register
Foundation

025972

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.)

Several small surface shrinkage cracks which appeared in the propeller spectacle piece have been cut out, electrically welded, and efficient compensation fitted as shown in the attached sketch.

These small fractures did not become visible till after the fitting of the propellers + shafting immediately prior to launching. A letter has been received from the Owners stating that they are willing to accept the above repairs, & in my opinion they may be accepted, by the Committee, subject to examination at the next docking. J. McNeillan.

Copies of Hullship Section + Profile Plans "as built" are forwarded herewith.

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

1st Bower	32 cwt 1 qr 18 lb	✓	10844	11.3.24
2nd "	32 " 0 " 2 "	"	848	11.3.24
3rd "	26 " 1 " 1 "	"	849	11.3.24

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.3 ft., R.Q.D. ✓ ft., Bridge 94.16 ft., Forecastle 35.0 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

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

1 Steel Deck. 1 Tier of Beams

Official No. 30509 ; Signal Letters S.T.Q.V

If bottom of Vessel has been coated Inside No.

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	128.0	360	Fore peak tank,	19.0	91
Double bottom, under Engines and Boilers,			After peak tank,	14.0	75
Double bottom, if under Engines only, F.W. only	13.26	47	Deep tank, aft,	28.5	855
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	139.0	407	Other tanks, if fitted,		
	Total capacity of double bottom	814	(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. 6

Date 15/5/24

Dates of Surveys held while building

12.2.24	5.3.24	5.5.24	4.6.24	10.7.24	5.8.24	21.8.24	2.9.24
14.2.24	12.3.24	15.5.24	10.6.24	18.7.24	6.8.24	25.8.24	10.9.24
18.2.24	17.3.24	22.7.24		29.5.24	12.8.24	27.8.24	12.9.24
26.2.24	31.3.24						15.9.24

16.9.24	8.10.24	3.11.24	2.12.24
18.9.24	16.10.24	13.11.24	12.12.24
19.9.24	18.10.24	14.11.24	19.12.24
20.9.24	24.10.24	28.11.24	23.12.24
24.9.24			

Lloyd's Register
Foundation

Total No. of Visits 44