

With or Without Disconnected Erections.

STEEL STEAMER.

MON. AUG. 14 1922

Received at London Office

State if Report is also sent on the Machinery of the Vessel ☒ Yes

Date of completion of report
Survey held at

19th May 1922

Port of

Kobe

Date, First Survey

23.5.21

Last Survey

May 10th

1922

On the (State if Single, Twin, or Triple Screw)

SINGLE SCREW STEAMER "KANJU MARU".

Rig

2. MASTS

TONNAGE under

5690.94

CLASS

100A1.

FEET.

Master

Do. between Tonnage Dk. and 3rd and 4th Dk.

Breadth (greatest moulded)

54.0

Year of appointment

(1) As Master in service of owner of present vessel:—19

Total under Upper Dk.

5690.94

Depth, at middle of length from top of keel to top of upper deck beams at side

33.0

Built at

ON. HARIMA.

Do. of Poop

319.06

Transverse Number

87.0

When built

1922

Launched

11-2-22

Do. of R.Q.Dk.

154.3

Length on deck from fore part of stem to after part of stern post

420.0

By whom built

Kobe Steel Works.

Do. of Bridge House

51.06

Longitudinal Number

36540.0

Owners

ASANI SEKIYU KAISHA.

Do. of Houses on Dk.

203.77

Depth "d," at middle of length (See Secs. 2 & 13)

12.73

Managers

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

Do. of excess of Hatchways

96.09

Proportions—Depths to Length—Upper Deck Beam at side to top of keel

12.73

Residence

Kobe.

Do. above Crown of Engine Room

6515.24

Long Bridge Deck Beam at side to top of keel

12.73

Port belonging to

Tokuyama.

Gross Tonnage

410.3

Destined Voyage

EUROPE.

If Surveyed while Building, Afloat, or in Dry Dock

BUILDING.

Less Crew Space

96.09

Less above Crown of Engine Room

2084.88

Less Navigation Spaces

165.03

BALL TANKS

7.85

Register Tonnage

3847.18

LENGTH on Deck as per Rule	Feet.	Inches	BREADTH Moulded	Feet.	Inches	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches	No. of Decks with flat laid	No. of Tiers of Beams
420	0		54	0		Do. do. do. do. do.	32	11 1/2	2	Long Form.

Dimensions of Ship per Register, Length	420.0	breadth	54.0	depth	32.95	Moulded depth, ft.	41	ins.	0	To Bridge Dk.	Round of Upper	13 1/2	ins.
						Moulded depth, ft.	33	ins.	0	To Upper Dk.	Dk. Beam, Actual		

FRAMING.				PILLARS.			
FRAME, Angles, or [or] Bars amidships	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Do. in peaks	APL 8 3 1/2 40	APL 8 3 1/2 40	APL 8 3 1/2 40	" " Hold			
Do. in way of Double Bottoms at Solid Floors	3 1/2 3 1/2 40	3 1/2 3 1/2 40	3 1/2 3 1/2 40	" " Quarter 'tween Dks.,			
" " at intermdt. Bkts.				" " in Hold			
Spacing of Frames from centre to centre amidships	27	27					
" " length to Collision bulkhead	24	24					
" " in peaks							
REVERSED FRAME, Angles	3 1/2 3 1/2 40	3 1/2 3 1/2 40	3 1/2 3 1/2 40				
Do. in way of Double Bottoms at Solid Floors	3 1/2 3 1/2 40	3 1/2 3 1/2 40	3 1/2 3 1/2 40				
" " at intermdt. Bkts.							
FRAMING, depth of girder	AVERAGE 9"	AVERAGE 9"					
FLOORS, depth and thickness of Floor Plate							
" at mid-line for 1/2 length amidships							
" in way of Engine and Boiler Spaces							
" thickness at the ends of vessel							
" depth at 1/2 the half breadth, as per Rule							
" height extended at the Bilges							
FLOORS in Cell. Double Bottoms	ES. 36 BS. 50	ES. 36 BS. 50					
" state if flanged (top & bottom)	No	No					
" Spacing of Solid floors	ES 28 1/2 BS 48 1/2	ES 28 1/2 BS 48 1/2					
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	66 7/8 x 46 1/2	66 7/8 x 46 1/2					
" Angles, Top	3 1/2 3 1/2 40	3 1/2 3 1/2 40					
" Bottom	3 1/2 3 1/2 40	3 1/2 3 1/2 40					
" to Floors	3 1/2 3 1/2 40	3 1/2 3 1/2 40					
" Brackets at intermdt. frmg., width & thcknss							
SIDE GIRDERS, number on each side & thickness							
" state if flanged (top and bottom)							
" Angles (top and bottom)							
" to Floors							
MARGIN PLATE, depth (exclusive of flange) and thickness							
" Angle to Outside Plating							
" Floors							
" Brackets at intermdt. frmg., width & thcknss							
Height of Outside Brackets above at bilge							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	ES 57 1/2 BS 60 1/2	ES 57 1/2 BS 60 1/2					
" in Engine and Boiler space							
" Remainder in Holds							
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel							
" In way of Long Bridge							
" Spacing							
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel							
" Spacing							
BEAMS, Third and Fourth Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel							
" Angles on upper edge							
" 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							

WEB FRAMES.

WEB-FRAMES, In Fore Body, No. and spacing
brth. & thickness

No. of Side Stringers

WEB-FRAMES, In E. & B. Space, No. and spacing
brth. & thickness

WEB-FRAMES, In After Body, No. and spacing
brth. & thickness

No. of Side Stringers

Size of Face Angles to Web-Frames

BRACKET PLATES to Stringers between
Web Frames, depth and thickness

BULKHEADS.

Number, Thickness, STIFFENERS, Single or Double Pannels, Height above state deck

OT. BULKHEADS

WT. CENTRE

COLLISION

PARTITION

LONGITUDINAL

Are the outside Plates doubled two spaces of Frames in length? No, LONG FRAMES

Are the Sluice Valves and Watertight Doors in efficient working order? None

FORGINGS or CASTINGS.

Inches in Ship, Inches per Rule, Or as Approved

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

for Propeller

RUDDER-A x D Table 22. Speed 12 knots

Main-Piece, diameter at head

at heel

RUDDER, how constructed

Thickness of Plates or 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.

CARGO FLEET CO. LTD.

MITSUBISHI SEITATSU KAISEI KAISHA.

LANANANA & LUMENS STEEL CO.

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

PLATING.

STRAKES.

AS IN SHIP.

PER RULE OR AS APPROVED.

EDGES.

BUTTS.

PLATE KEEL

GABBOARD OF A Strake

State actual thickness in way of Double Bottom.

C

D

E

F

G

H

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

U.D. SHEER

THICKNESS OF SHEER STRAKE

CLEAR OF LONG BRIDGE

DO. OF STRAKE BELOW

DECK OF Flat Plate Keel

Sheerstrakes

Length and thickness.

POOP SIDES

SHORT BRIDGE SIDES

FORECASTLE SIDES

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Stringer Plate

Butts, riveted for

Straps, single or overlapped for

Second Deck Stringer Plate

Butts, riveted for

Straps, single or overlapped for

Butts of Side Stringers

Tie Plates

Inner Bottom Plating, riveting of Edges

Centre Girder Butts, riveted

Keelson Butts, riveted

Frames, riveted through Plates with

Rivets, state whether Iron or Steel

FRAMES extend in one length from

REVERSED FRAMES on floors and frames extend from

MASTS, SPARS, &c.

Material, Total Length, DIAMETER AND THICKNESS, No. of Plates in round, ANGLES, RIVETING.

LOWER MASTS

Main

Mizen

Bowsprit

Topmasts, Yards and Running Ropes

Rigging, Material and Size, Shrouds

Sails

EQUIPMENT No. 37925-4

ANCHORS.

Number of Certificate, Anchors, WEIGHT, EX. STOCK, TEST, PER CERTIFICATE, WEIGHT REQUIRED BY TABLE 31, TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS

825 1st Bower 70 0 2 53 18 10 0 68 0 10

823 2nd 68 3 5 48 1 3 14 68 0 0

816 3rd 59 2 8 48 2 3 7 68 2 0

4th 191 1 15 194 2 0

880 Stream 19 3 1 4 3 22 20 10 12 14 19 0 0

821 Kedge 8 1 2 2 0 10 10 7 12 0 8 0 0

Particulars of Drop Test of Cast Steel Anchors, viz.:

Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 39 out 390 27 1/2 A.M. 825 17-5-21

2nd 39 1 26 823 6-6-21

3rd 34 1 14 816 29-4-21

4th

CHAIN CABLES.

Number of Certificate, Length and size supplied, Length, Diam., 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

1098 270 2 1/2 9 1/2 1 1/2 11:30 7:00 3:4 270 2 1/2 11:30 7:00 3:4 270 2 1/2 11:30 7:00 3:4

90 5 59 90 5

HAWSERS AND WARPS.

TOWLINE

HAWSERS & WARPS

Boats 4 LIFEBOATS & 1 DINGHY

Pumps, Number 1 DOWNPUMP & HAND PUMP FOR FORE PEAK

Windlass is STEAM DRIVEN, GOOD & EFFICIENT

Engine Room Skylights, How constructed? PLATES & ANGLES

Coal Bunker Openings, How constructed? DO DO

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 OFF EACH, ON EACH SIDE

Ceiling in Holds, thickness and material 2 1/2 IN CARGO HOLD FOR

Cargo Hatchways, How formed? PLATES & ANGLES

State size No. 1 Hatch (Forward) 9'0" x 15'0" No. 2 Hatch 9'0" x 19'6" No. 3 Hatch

No. 4 Hatch

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch ONE WEB TO EACH HATCH.

Number of Breasthooks 9 INCL. DECKS No. of Crutches

Bulwarks, height above deck and description 3'9" HIGH 26 STEEL PLATE Main Rail, material and size 6x3 SING ANGLE

The foregoing is a correct description.

Builder's Signature

Surveyor's Signature

Correspondence, State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)

Workmanship, Are the butts of plating planed or otherwise fitted? PLANED

Is the riveted work properly closed? YES

Are the liners between the frames and plates solid single pieces? LONG FRAMES BUTTS SCARFED

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 faying 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

State results of tests GOOD

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? YES

State results of tests GOOD

General Remarks (State quality of workmanship, &c.)

This vessel has been built under special survey according to the rules & modified approved plans, and the materials & workmanship are good.

The boiler has been fitted for burning either fuel oil or coal, and should have the notation in the Register Book "fitted for oil fuel" flash point above 150°F also notation part cement.

Plans of vessel as built, forwarded herewith.

SISTER VESSEL: Report No. 3296 - MANJU MARU

The Surveyor should state the Number of Report and Name of any Sister Vessel.

Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee Yen 150.00

Special Survey Fee Yen 81.99

Travelling Expenses, if any Yen 54.60

Fees applied for, May 11th 1922

Received by me, May 25th 1922

State whether the Vessel has been built under Special Survey YES

I am of opinion this Vessel should be Classed, 100 A.I. CARRYING PETROLEUM

With, or without Freeboard, as condition of Class WITHOUT

Committee's Minute

Character assigned

100 A.I. M/V

Carrying petroleum in bulk

2nd. O

3rd. O

4th. O

5th. O

6th. O

7th. O

8th. O

9th. O

10th. O

11th. O

12th. O

13th. O

14th. O

15th. O

16th. O

17th. O

18th. O

19th. O

20th. O

21st. O

22nd. O

23rd. O

24th. O

25th. O

26th. O

27th. O

28th. O

29th. O

30th. O

31st. O

32nd. O

33rd. O

34th. O

35th. O

36th. O

37th. O

38th. O

39th. O

40th. O

41st. O

42nd. O

43rd. O

44th. O

45th. O

46th. O

47th. O

48th. O

49th. O

50th. O

51st. O

52nd. O

53rd. O

54th. O

55th. O

56th. O

57th. O

58th. O

59th. O

60th. O

61st. O

62nd. O

63rd. O

64th. O

65th. O

66th. O

67th. O

68th. O

69th. O

70th. O

71st. O

72nd. O

73rd. O

74th. O

75th. O

76th. O

77th. O

78th. O

79th. O

80th. O

81st. O

82nd. O

83rd. O

84th. O

85th. O

86th. O

87th. O

88th. O

89th. O

90th. O

91st. O

92nd. O

93rd. O

94th. O

95th. O

96th. O

97th. O

98th. O

99th. O

100th. O

PARTICULARS OF LONGITUDINAL FRAMING.

KANJU MARN

MOBE STEEL WKS N°48

GENE

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.							
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spacing.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.					
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter.				
Framing of K, L & X		6	3	40	-	-	-	6	3	44	-	-	-	7	8	54	54				
Frames in Bridge 'tween Decks ...		8	3	38	8	3	38	7	3	38	7	3	38	"	"	"	"	7	7		
Frames from Uppermost Continuous Deck		No. 1	"	"	"	"	"	"	3 1/2	"	"	3 1/2	"	"	"	"	"	"	"		
Framing from Awning, Shelter or Upper Deck to Margin Plate.		" 2	"	"	"	"	"	"	3 1/2	"	"	3 1/2	"	"	"	"	"	"	"		
		" 3	8	3	45	8	3	40	8	3	44	8	3	40	"	"	"	"	"		
		" 4	8	3	48	8	3	45	"	"	"	8	3	44	"	"	"	8	"		
		" 5	9	3 1/2	45	"	"	"	9	3 1/2	40	"	"	"	"	3 1/2 FOR 9 RIVETS	"	"	"		
		" 6	9	3 1/2	46	9	3 1/2	45	9	3 1/2	46	9	3 1/2	40	"	"	"	"	"		
		" 7	10	3 1/2	46	9	3 1/2	46	10	3 1/2	44	9	3 1/2	46	"	"	"	10	"		
		" 8	"	"	"	10	3 1/2	46	10	3 1/2	46	10	3 1/2	44	"	"	3 1/2	"	"		
		" 9	10	3 1/2	52	"	"	"	10	3 1/2	50	10	3 1/2	46	"	"	"	"	"		
		" 10	10	3 1/2	56	10	3 1/2	52	10	3 1/2	56	10	3 1/2	50	"	"	"	16	"		
		" 11																"	"	"	
		" 12	3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40	"	"	3 1/2 FOR 9 RIVETS	"	"	"	
		" 13	14	30		14	30		14	30		14	30		"	"	IN DEEP TANK	12	"	"	
		" 14													"	"	2 NO 1 HOLD	"	"	"	
		" 15													"	"	RIVETS SPACED 3 1/2	"	"	"	
		Spacing of Longitudinal Frames		Amidships			At Ends			Amidships			At Ends								
		Double Bottoms		Tank Top Longitudinals			Bottom			Tank Top Longitudinals			Bottom								
X, L or X		DEEP TANK			8 3 38			4 BLR SPACE			8 3 38			7 8 54							
Spacing of Longitudinals		Amidships			At Ends			Amidships			At Ends										
		30			30			30			30										
Transverses.																					
In Bridge		Depth and Thickness			15 38			15 38			15 38										
'tween Decks		Face Angles			RANGED 5°			FLANGED 5°			FLANGED 5°										
		Lugs to Shell			3 1/2 3 1/2 40			3 1/2 3 1/2 40			3 1/2 3 1/2 40			7 8 3 1/2			JOGGLED				
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness			18 40 42			18 40 42			18 40			18 40							
		Face Angles			FLANGED 5°			FLANGED 5°			FLANGED 5°										
		Lugs to Shell			3 1/2 3 1/2 40			3 1/2 3 1/2 40			3 1/2 3 1/2 40			3 1/2 3 1/2 40							
In Hold.		Depth and Thickness			34 46 48			34 46			34 46			34 46							
		Face Angles			C SINGLE 6 3 54			6 3 54			6 3 54			6 3 54			L				
		Lugs to Shell			6 6 46			6 6 46			6 6 46			6 6 46			7 8 3 1/2				
		Brackets			ONE 46			46			46			46							
Spacing of Transverse Frames		9'0"			9'6" ES.			9'0"			9'6" ES.			8'0" B.S.			angles?				
		8'0" B.S.			8'0" B.S.			8'0" B.S.			8'0" B.S.			8'0" B.S.							
Longitudinal Beams of X, L or X		Bridge Deck			8 3 40			6 3 38			6 3 38			39							
		Aug. or Shlt. Dk.			7 3 40			6 3 40			7 3 38			7 3 38			30				
		Upper			8 3 38			7 3 40			8 3 38			8 3 38			30				
		Second TANK			7 3 40			7 3 40			8 3 38			8 3 38			30				
		Third																			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

5cA,18.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 116.5 ft., R.Q.D. " ft., Bridge 36.0 ft., Forecastle 34.5 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated NOT JOINED

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 it should appear in the Register Book) 2 STEEL DECKS LONGITUDINAL FRAMING

Official No. 28276; Signal Letters S.K.L.H.; State if Machinery is fitted aft YES
How are the surfaces preserved from oxidation? Inside PAINT CLEAR OF OIL TANKS CEMENT IN AFT PEAK & FEED TANK WER. Outside PAINT

PARTICULARS OF WATER BALLAST.				State whether the Double bottom is constructed on the cellular system or with girders on floors.			
Where Fitted.	*Length.	FRESH Water Capacity.	Where Fitted.	*Length.	SEA Water Capacity.	CELL SYSTEM UNDERBARS BLRS.	
	Feet.	Tons.		Feet.	Tons.		
Double bottom, aft,			Fore peak tank,				
Double bottom, under Engines and Boilers, RESERVE FEED	16	58.34	After peak tank,				
Double bottom, if under Engines only, FN.	38	97	Deep tank, aft,				
Double bottom, if under Boilers only, DRY TANK.	27	127	Deep tank, forward,	40.5	274.86		
Double bottom, forward,			Other tanks, if fitted, DRINKING WATER TANK.	9.6	FN 46		
Total capacity of double bottom		282.34	(If necessary, furnish further information by sketch.)				
* The wells are not to be included in the lengths of the tanks.				State whether the above have been tested as required by the Rules. YES.			

Order for Special Survey No.

Date

No. 48 in builder's yard.

DATES OF SURVEYS held while building

1921 May: 23, July 11, 13, 18, 20, 22, 27, 29; Aug. 10, 17, 29; Sept. 2, 5, 9, 11, 13, 16, 26, 28; Oct. 3, 10, 15, Oct. 19, 21; Nov. 2, 4, 9, 19, 23, 24, 28; Dec. 14, 19, 21, 23, 26, 28;
1922 Jan. 9, 11, 13, 16, 18, 20, 23, 25, 26, 27, 30; Feb. 1, 3, 4, 6, 8, 11, 20, 24, 27; Mar. 1, 3, 6, 13, 15, 24, 31 Apr. 14, 19, 25, 27; May 1, 3, 8, 10.

Surveyor's Signature

H. Buchanan

Lloyd's Register Foundation