

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office: 2383

TUE 25 FEB. 1919

Date of completion of report 11 Jan'y 1919
Survey held at Osaka

Port of Kobe
Date, First Survey 24 Aug. 1918
Last Survey 27 Dec. 1918

No.

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

Single screw "TAIHO MARU"

Rig Schooner

TONNAGE under

CLASS + 100 A.I.

Master N. Saito

Year of appointment

(1) As Master in service of
(2) As Master of this
vessel 191

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

Breadth (greatest moulded) 50.83

Total under Upper Dk. 5170.54

Depth, at middle of length from top of keel to top of upper deck beams at side 32.58

Do. of Poop 89.66

Transverse Number 83.41

Do. of R.Q.Dk.

Length on deck from fore part of stem to after part of stern post 407.25

Do. of Bridge House 443.66

Longitudinal Number 33968

Do. of Forecastle 86.45

Depth "d," at middle of length (See Secs. 2 & 13) 19.65

Do. of Houses on Dk. 134.80

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.5

Do. of excess of Hatchways 57.78

" " Long Bridge Deck Beam at side to top of keel 10.1

Do. above Crown of Engine Room 114.40

Gross Tonnage 6097.29

Less Crew Space 182.90

Less above Crown of Engine Room 114.40

TONNAGE FOR FEES 5799.99

Less Engine Room 1343.86

Less Navigation Spaces 83.09

Peak Tanks 33.81

Register Tonnage 4453.63

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock Building

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
407	3		50	10		Do. do. do. Second Dk. Beams	30	0	2
							20	4	No. of Tiers of Beams 2

Dimensions of Ship per Register. Length 407.25 breadth 50.83 depth 32.58 Moulded depth, ft. 40 ins. 4 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 3/4 ins. Moulded depth, ft. 32 ins. 7 To Upper Dk. Dk. Beam, Actual

FRAMING.				PILLARS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved
FRAME, Angles, $\frac{1}{2}$ Bars amidships				PILLARS In 'tween Deck, size and spacing			
6	3 1/2	52	6 3 1/2 52	Hold			
6	3 1/2	38	6 3 1/2 38	Quarter 'tween Dks.,			
3 1/2	3 1/2	40	3 1/2 3 1/2 40	in Hold			
Do. in peaks				KEELSONS & STRINGERS.			
27			27	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
27 1/2	24		27 1/2 24	Rider Plate			
24			24	Flat Plate Keel Angles			
3 1/2	3 1/2	52	6 3 1/2 52	Horizontal Plates on Floors			
3 1/2	3 1/2	40	3 1/2 3 1/2 40	Angles or Bulb Angles			
Do. in way of Double Bottoms at Solid Floors				SIDE KEELSONS, Number			
9 1/2			9 1/2	Angles or Bulb Angles			
40			40	Plate above floors, for length			
40			40	Intercoastal Plate, for length			
Do. in way of Double Bottoms at Solid Floors				Attached to outside Plating with Angle			
9 1/2			9 1/2	BILGE KEELSON, Angles			
40			40	Intercoastal Plate for length			
40			40	Attached to outside Plating with Angle			
Do. in way of Double Bottoms at Solid Floors				SIDE STRINGERS, Number 3			
27			27	Angle			
27			27	Intercoastal Plate, for length			
43	50		43 50	Attached to outside plating with Angle			
5	5	60	4 1/2 4 1/2 60	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)			
5	5	56	5 5 56	br'dth & thickness (in way of Bridge)			
BRACKETS at intermdt. frmg., wdth & thkns				Angle (clear of Bridge)			
2	40		2 40	Tie Plate at sides of Hatchways			
20			20	Deck. Steel, for length			
3 1/2	3 1/2	40	3 1/2 3 1/2 40	Thickness (clear of Bridge)			
3	3	40	3 3 40	(in way of Bridge)			
35	48		35 48	Wood Deck, Material & thickness			
4	4	48	4 4 48	Second Deck Stringer Plate, br'dth & thickness			
6	6	48	6 6 48	Angles on ditto, No. 2			
3 1/2	3 1/2	40	3 1/2 3 1/2 40	Tie Plates outside Hatchways			
31			31	Deck. Steel, for length			
60	48		60 48	Wood Deck, Material & thickness			
E.I. 8.56			E.I. 8.56	Third Deck Stringer Plate, br'dth & thickness			
40 1/2	42		40 1/2 42	Angles on ditto, No.			
9	3 1/2	50	8 1/2 3 48	Tie Plates, outside Hatchways			
8	3 1/2	52	8 1/2 3 48	Deck. Material and thickness			
27			27	Fourth and Fifth Deck Stringer Plate, br'dth & thickness			
7	3 1/2	44	7 3 44	Angles on ditto, No.			
27			27	Tie Plates outside Hatchways			
7	3 1/2	42	7 3 42	Deck. Material & thickness			
27			27	Poop Deck Stringer Plate, br'dth & thickness			
6	3	375	5 1/2 3 40	Angle on ditto			
27 1/2	24		27 1/2 24	Tie Plates			
7	3 1/2	42	7 3 42	Deck. Material and thickness			
27			27	Bridge Deck Stringer Plate, br'dth & thickness			
8 1/2	3 1/2	50	8 1/2 3 1/2 50	Angle on ditto			
48			48	Tie Plates			
				Deck. Material and thickness			
				Forecastle Deck Stringer Plate, br'dth & thickness			
				Angle on ditto			
				Tie Plates			
				Deck. Material and thickness			

WEB FRAMES.						Inches in Ship.		Inches per Rule.	
						Inches in Ship.	Inches per Rule.		
WEB-FRAMES, In Fore Body, No. and spacing									
" " brdth. & thickness									
" No of Side Stringers "									
WEB-FRAMES, In E. & B. Space, No. & spacing									
" " brdth. & thickness									
WEB-FRAMES, In After Body, No. and spacing									
" " brdth. & thickness									
" No. of Side Stringers "									
" Size of Face Angles to Web-Frames D.									
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....									

BULKHEADS.		Number.	Thickness.	STIFFENERS.		Single or Double Frames.	Height up state deck.
Vessel.	Per Rule.	Inches.	Horizontal. Size. (Spacing) Inches.	Vertical. Size. (Spacing) Inches.			
W.T.BULKHEADS	7	7	46-38	10x32 26x30	S	4 ft. 8 in.	
" COLLISION "	1	1	46-40	Simi bar 8x3x46 24	A	4 ft. 8 in.	
PARTITION "							
LONGITUDINAL	1	1	34	8x32 27	M.A.H.		

Are the outside Plates doubled two spaces of Frames in length? *B.K.L.G.*

Are the Sluice Valves and Watertight Doors in efficient working order? *yes.*

FORGINGS or CASTINGS.				Inches in Ship.	Inches per Rule.
KEEL, Bar, depth and thickness				Plate	Plate
STEM, moulding and thickness				10 1/2 x 2 3/4	10 1/2 x 2 3/4
STERN-POST for Rudder do. do. C.S.				9 x 7 1/2	9 x 7 1/2
" for Propeller C-S.				10 1/2 7 1/2	10 1/2 x 7 1/2
RUDDER-AxD* Table 22. Speed 11 1/2				616	616
Main-Piece, diameter at head				11	11
" " at heel				8 1/4	8 1/4

RUDDER, how constructed *Forged steel stock arms shanks Roped on*

Thickness of Plates or Single Plate *1.10*

Can the Rudder be unshipped afloat? *yes.*

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.? *Open hearth. Beardmore. Imperial Steel Works. Central S.S. North Bros. Phoenix. Lukens S.S. Co. Ellinger's Steel Co. Ramo bath.*

Has the Steel been tested as required by the Rules? *yes.*

PLATING.						RIVETING.											
STRAIERS.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or joggled?				BUTTS.						
	AMIDSHIP.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	Diam.	RIVETS. Spacing cr. to cr.	Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.	Breadth. Inches.	Thickness. Inches.						Diam.	Spacings cr. to cr.	Breadth. Inches.	Thickness. Inches.	Breadth. Inches.	For what Length. Feet.
FLAT PLATE KEEL..... (If Bar Keel, state riveting.)	47	1.02	75	75	47	1.02	D.	6 3/4	1 1/8	4 1/2	3.2	1 1/8	4	2 1/2	6 1/2	16	
GARBOARD OF A Strake	81	.62	52	62	81	.62	"	5 1/4	7/8	3 3/8	2.	7/8	3 1/2	2 1/2	6 1/2	12	31
State actual thickness in way of Double Bottom.	B	72	.62	62	72	"	"	"	"	"	"	"	"	"	"	"	"
C	"	"	"	62	"	"	"	"	"	"	"	"	"	"	"	"	"
D	"	69	.66	48	62	69	"	6	1	4	"	"	"	"	"	"	"
E	"	72	.68	46	64	72	"	"	"	"	"	1	4	"	14	"	"
F	"	66	"	46	64	66	"	"	"	"	3	1	3 1/2	"	10 1/2	"	"
G	"	74	"	"	74	"	"	"	"	"	2.	1	4	"	14	"	"
H	"	66	"	"	66	"	"	"	"	"	3	1	3 1/2	"	10 1/2	"	"
J	"	70	.64	"	70	.64	"	5 1/4	7/8	3 3/8	4.	7/8	3 1/8	"	9	"	"
K	"	58	"	46	58	"	"	"	"	"	"	"	"	"	"	"	"
L	"	54	"	42	54	"	"	6	1	4	2.	"	3 1/2	"	12	"	"
M	"	46	.68	"	46	.68	"	"	"	"	2	1	4	"	14	"	"
N	"																
O	"																
P	"																
Q	"																
R	"																
S	"																
T	"																
U	"																
V	"																
W	"																
THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF FLAT PLATE KEEL																	

EQUIPMENT No. 35638				LETTER Z				ANCHORS.				TONNAGE U. DK. OR PLATING No. FOR TRAWLERS			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Description of Anchor	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
501	1st Bower ...	67	0	21	67	0	21	52	5	0	0	Halls C. S.	Kobe S. H.	Kobe 22/8/18 Jones	
461	2nd "	65	0	16	"	"	"	51	2	2	0	"	"	" 1/8/18 "	
460	3rd "	65	0	1	"	"	"	50	0	0	0	"	"	" " "	
	4th "														
	Collective weight.	197	1	10											
415	Stream	19	1	4	5	1	7	20	1	3	14	Admiralty C. S.	Sumitomo S. H. Osaka	26/6/18 "	
414	Kedge.....	7	3	24	2	0	23	10	2	2	0	"	"	" " "	

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

1st Bower 38-1-16 ALJ 501 27/6/18
2nd " 37-1-18 " 461 20/6/18
3rd " 37-1-3 " 460 13/6/18
Stream 18-1-6 " 415 19/4/18
Kedge 7-2-10 " 414 1/3/18

CHAIN CABLES.

Number of Certificate.	Length and size supplied.		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 Towline.	Length and Size per Table 31.	
	Length.	Diam.		Supplied.	Per Rule.						Length.	Cir.		Length.	Cir.
530	270 1/2	2 1/4	19 1/2	127-6	132-1-18	682-1-11	270 2 1/4	Steel Osaka C. H. Osaka 2/9/18 Jo		TOWLINE	120	5	72-12	120	5
										HAWSERS & WARPS	2-90	2 3/4	22-8	2-90	2 3/4
										"	2-90	2 1/2	18-1	2-90	2 1/2
										"	2-90	8		2-90	8
										"	2-90	7		2-90	7

Boats 4

Pumps, Number 1 Downton 5 1/2

Windlass is Steam

Engine Room Skylights.—How constructed? Steel frame & glass What arrangements for deadlights in bad weather? none.

Coal Bunker Openings.—How constructed? Steel coaming How are lids secured? Iron bands Height above deck? 30"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 4 fore 4 aft: 5 fore 2-9 x 1-5 4 aft 2-9 x 1-5

Ceiling in Holds, thickness and material 3" under hatches Cargo Battens, thickness and material 1 1/2 pine

Cargo Hatchways.—How formed? Steel coamings solid covers Hatches, If strong and efficient? yes.

State size No. 1 Hatch (Forward) 27 x 20 No. 2 Hatch 21-6 x 20 No. 3 Hatch 18 x 18 No. 4 Hatch 11-3 x 18

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch N° 155 N° 2 = 6 N° 3 = 3 N° 4 = 1 N° 5 = 6 = 5

Bulwarks, height above deck and description 4-0 steel Masthooks 9 No. of Crutches 3

The foregoing is a correct description. Main Rail, material and size 6" B. A.

Builder's Signature (here only) G. D. Cushman Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (in case of correspondence connected with the case) 1918 M. 6 June M. 9 July

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? yes

" to plate, &c., conform well to each other? yes

from the faying surfaces? yes

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

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

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

The workmanship & materials are good.

This vessel has been built in accordance with the approved plans and in conformity with the Rules for the class contemplated

Plans of Section, Profile, Bulkheads (3), Forging, Masts, Tank top & Ex. plating are sent under separate cover. Castings tested as per Rule.

Koraisan Maru 2141, Kaisho Maru 2285, Kaigy Maru 2286.

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 \$ 50 :
Special Survey Fee \$ 3105 :
Travelling Expenses, if any \$ 40 :

Fees applied for, 26/12 1918
Received by me, 13 Jan 1919

Certificate to be sent to Kobe Date of issue 28.2.19

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed +100 A-1

With, or without Freeboard, as condition of Class without

G. D. Cushman Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

FRI FEB 23 1919

10001

asb. P.

+ Lmb 12.18

© 2021



Lloyd's Register Foundation

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 39.73 ft., R.Q.D. 4 ft., Bridge 137.25 ft., Forecastle 44.7 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

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 in the Register Book) 2 plks (scr).

Official No. 24473; Signal Letters R K D B.

State if Machinery is fitted aft no.

How are the surfaces preserved from oxidation? Inside Paint & cement Outside paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. cellular.

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>137.3</u>	<u>350</u>	Fore peak tank,	<u>21</u>	<u>106</u>
Double bottom, under Engines and Boilers,			After peak tank,	<u>8</u>	<u>26</u>
Double bottom, if under Engines only,	<u>22.6</u>	<u>79</u>	Deep tank, aft,	<u>27</u>	<u>76</u>
Double bottom, if under Boilers only, <u>Dry</u>	<u>22.6</u>	<u>0</u>	Deep tank, forward,		
Double bottom, forward,	<u>177.5</u>	<u>552</u>	Other tanks, if fitted,		
<u>Dry tank is complete with</u>		Total capacity of double bottom <u>981</u>	(If necessary, furnish further information by sketch.)		
<u>The wells are not to be included in the lengths of the tanks</u>		<u>3600</u>	State whether the above have been tested as required by the Rules. <u>yes</u>		
<u>suction & no connection to bilges</u>					

Order for Special Survey No.

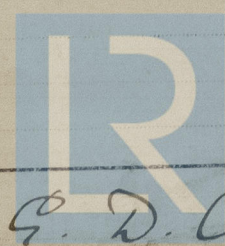
Date

No. 950 in builder's yard.

DATES OF SURVEYS
held while building

1918 Aug 24, Sept 16, 25, Oct 8, 12, 15, 19, Nov 6, 12, 13, 18, 21, 26, 29, Dec 3, 7, 9, 10, 11, 21

Surveyor's Signature



© 2021

Lloyd's Register
Foundation

Total No. of Visits 21