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Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey **YOKOHAMA**
Date of Survey **WHILE BUILDING**
Name of Surveyor **James Prichard**

Ship's Name **"MATSUMOTO MARU"** Port of Registry and Nationality **TOKYO JAPANESE** Official Number **28109** Gross Tonnage **7024.73** Date of Build **1921** Particulars of Classification **+ 100 A.I. CONTEMPLATED.**
Number in Register Book **YOKOHAMA DOCK C-3 N-81**

Registered dimensions from Ship's Register.	LENGTH. 445	BREADTH. 58.26	DEPTH. 31.33	UNDER DECK TONNAGE. 6449.73
Length on LOADLINE.	445	Frame Depth Rule 12	Ceiling FITTED	Peak Tanks } INCL.
CORRECTED DIMENSIONS.	445	57.43	32.42	6449.73

Moulded Depth as measured..... **34'-0"**
Addition for Keel below base line for draught record.... **2 1/2"** inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	445
Length in Table	408
Difference	37
Correction for 10ft., Table A.	1.7 Table C. .8
× Difference divided by 10	6.29 (if required.) 2.96
If 1/10ths length covered divide by 2	+6 1/4 +3

Co-efficient of fineness..... **.78**
Any modification necessary [Para. 4 (a) to (e)]* **C.O.B.**
Co-efficient as corrected **.76**

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered46
Thickness of usual wood deck, less stringer	3 1/2" = -1 3/4"

Sheer (Stem..... **114 1/2**) (Sternpost... **52**) $166 1/2 \div 2 = 83 1/4$ Mean **89.54**
at (Sternpost... **52**) $36(35.02) = .99$
Sheer at 1/4 of the length from Stem **70** (Sternpost **28 1/2**) $98 1/2 \div 2 = 49 1/4$ Mean **89.54**
Gradual mean Sheer **86.39**
Standard mean Sheer [Table, Para. 18] **54.50** Correction
Difference..... **31.89** $\div 4 = -8$

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	56
Round of Beam	14 1/2
Normal round.....	14
Difference	1/2 $\div 2 =$ 1/4
Proportion of Deck uncovered (Para. 19)54 1/8

NOTE.— The round of beam should be reported on the full breadth of vessel at the gunwale.

Rise in Sheer from amidships [Para. 18 (e)]
At front of bridge house.....
At after end of forecastle

Freeboard, Table A	9-2
Correction for Sheer	-8
Correction for Length	8-6
Allowance for Deck Erections	+6 1/4
Correction for Round of Beam.....	9-0 1/4
Correction for fall in Sheer (if any).....	9 1/2
Correction for Iron Deck (if required)	8-2 3/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	-1 3/4
Other Corrections (if any)	8-4 03/4

Fall in Sheer [Para. 18 (d)] $\div 2 =$
Length uncovered **No** Correction
(BRIDGE FITTED)

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	6-0
Correction for Length, if required (Para. 12, 13, and 14)	+3
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	6-3
Difference	9-0 1/4
Percentage as below.....	29.2
	9.71

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) **3 1/2**
Allowance for Deck Erections **9 1/2**

Winter Freeboard	8-4 03/4
Summer Freeboard	6 1/4 7-6 3/4
Indian Summer Freeboard	7-0 1/2
N. A. Winter Freeboard	

Forecastle.....	Length. 35-3	Length allowed. 35.25	Height. 7-6
Bridge House	135-0	135.00	8-0
† Raised Qr. Dk.....	34-9	34.75	7-9
Poop.....			
Total		205.00	
Length of Ship		445	.46

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. **2"**

Corresponding percentage (Para. 11, 12, 13, or 14) **29.2%**

Winter Freeboard from deck line	8-3 23/4
Summer " " " "	7-8 1/2
Indian Summer " " " "	7-2 1/2
N. A. Winter " " " "	7-8 1/2

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—
Fresh Water Line above centre of Disc
Indian Summer Line " " " "
Winter Line below " " " "
Winter North Atlantic Line " " " "

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
‡ In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
§ In flush-decked vessels the total standard mean sheer means the sheer measured from stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

State dimensions of freeing port area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

Do all the Frames extend to the top height in the Poop? **YES** Raised Quarter Deck? Bridge House? **YES** Forecastle? **YES**
 To what height do the Reverse Frames extend? **BULB ANGLE FRAMES.**
 Has the Poop ~~Raised Quarter~~ Deck an efficient Iron Bulkhead at the fore end? **YES.**
 Give particulars of the means for closing the openings in Bulkhead **HINGED STEEL DOOR.**
 Is the Poop ~~Raised Quarter~~ Deck connected with the Bridge House? **NO** Has the Bridge House an efficient Bulkhead at the fore end? **YES.**
 Give particulars of the means for closing the openings in Bulkhead **HINGED W.T. STEEL DOORS.**
 What is the thickness of the Bridge Front plating? **.40** and Coaming plate? **.44**
 Give scantlings and spacing of the Stiffeners **9*3 1/2*64 BULB ANGLE. 30' APART.**
 Are bracket plates fitted at each end of the Stiffeners? **YES** Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? **YES.**
 Has the Bridge House an efficient Iron Bulkhead at the after end? **YES**
 How are the openings closed? **CHANNELS RIV'D HALF HEIGHT & STORM BOARDS FITTED.**
 Is the Forecastle at least as high as the main or top-gallant rail? **YES** Has the Forecastle an efficient Iron ~~Wood~~ Bulk'd. at after end? **YES.**
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? **COVERED BY BRIDGE.**
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed?
 Give thickness of plating; scantlings and spacing of Stiffeners
 What is the height of the exposed Casings? Are suitable means provided for closing all openings in them in bad weather?
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— **YES.**

Position and Size.		No. 1. 18*18		No. 2A. 33*20		No. 2B. 15*20		No. 3. 15*18 ON BRIDGE DECK.		No. 4. 12*18	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	30"		30"		30		30		30	
	Thickness	Sides	.44	.54	.44	.44	.44	.44	.44	.44	.44
		Ends	.44	.44	.44	.44	.44	.44	.44	.44	.44
SHIFTING BEAMS OR WEB PLATES.	Number	3		6		2		2		2	
	Section and Scantlings	PT. 15-7 1/2*36		PT. 17-8 1/2*36		PT. 16-8*36		PT. 12-6*3		PT. 14-7*34	
	Material	4*3*.44		4*3*.44		4*3*.44		3 1/2*3 1/2*.44		4*3*.44	
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES	Thickness	3"		3"		3"		3"		3"	
Remarks		7*3*.4 B.A. STIFF' AROUND COAMINGS OF ALL HATCHES EXCEPT No. 3.									

SEE BELOW FOR No. 5 & 6 HATCHES.

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

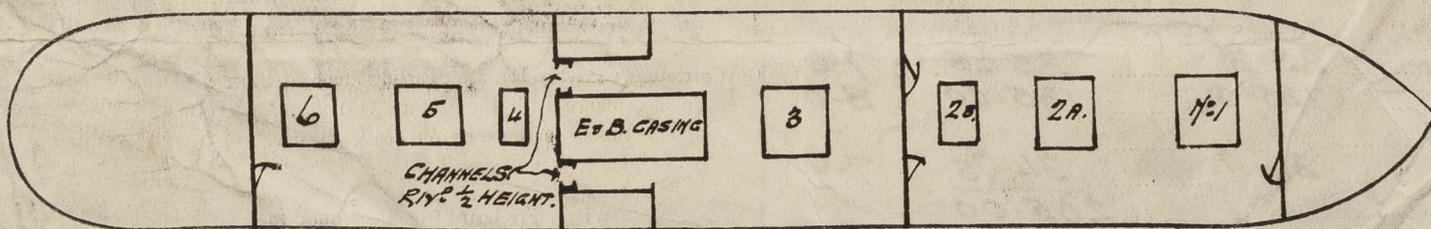
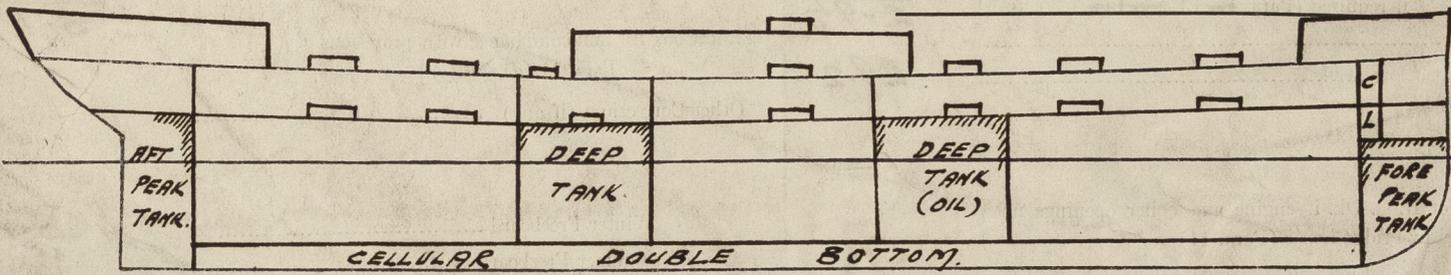
Delete the words The Crew are, are not, berthed in the bridge house.
 that do not apply The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) = _____ Sq. ft.
	x		x		
	x		x		

Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *This Vessel is a Sister Vessel of T.S.S. MATSUYE MARU REPORT No. 2809*
 No. 5 HATCH 30*18*2-6 5 WEBS SIDE COAM. .5 2ND COAM. .44 WEBS 14 TO 8*36 FT. ANGLES 4*3*.44
 No. 6 HATCH 21*18*2-6 4 WEBS SIDE COAM. .44 END. COAM. .44 WEBS 14 TO 7*36 PT. ANGLES 4*3*.44

Owners **NIPPON YUSEN KAISHA.**

3 HATCH COVERS 7*3*.4 B.A. STIFF' ON No. 5 & 6 HATCHES

Address **TOKYO**

See **Y. 150**

Received by me **10-5-21.**

James Brickton
 Lloyd's Register Foundation