

DISCLASSED SECTION NO 29510

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Rpt 11b.

Eastern Tempes 2900
Eastern Gales

MON NOV. 15 1920

Index No.
(For London Office only.)

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.

URAGA DOCK CO. NO 149.

Port of Survey YOKOHAMA
Date of Survey 16-9-20
Name of Surveyor H. D. Buchanan.

Ship's Name "MORIOKA-MARU"	Port of Registry and Nationality. TOKYO JAPAN.	Official Number. 27691	Gross Tonnage. 4468.51	Date of Build. 9-1920	Particulars of Classification. 100.A.I. CONTEMPLATED.
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Registered dimensions from Ship's Register.	LENGTH. 360.0	BREADTH. 51'-10"	DEPTH. 26'-1"	UNDER DECK TONNAGE. 3935.6	NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.
Length on LOADLINE.		Frame Depth 9'- Ceiling FITTED Rule " 6 - Sheer + 73	26'-0" INCL.		
CORRECTED DIMENSIONS.	360	50.76	26.94	3935.6	

Co-efficient of fineness.....
.8 .798
Any modification necessary
[Para. 4 (a) to (e)]*
-'02 C.D.B.
Co-efficient as corrected

Sheer { Stem.....
at Sternpost ...
106 } 144 ÷ 2 = 72 ... Mean
38 **26.27** = .73
Sheer at $\frac{1}{8}$ of the length from Stem
Sternpost **62** **79.5** ÷ 2 = **39.75** ... Mean
17.5 **.55**
Gradual mean Sheer allowed. **71.2** **72.13** **72.27**
Standard mean Sheer [Table, Para. 18] **46** Correction
Difference..... **25.2** **26.13** ÷ 4 = **-6 1/4**
§ If limited as Para. 18 (f)

Rise in Sheer { At front of bridge house.....
from amidships } At after end of forecastle

¶ Fall in Sheer { **2"** ÷ 2 = **1"**
Para. 18 (d) }
Length uncovered **BRIDGE FITTED** **No** Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....
Correction for Length, if required (Para. 12, 13, and 14)

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)

Difference

Percentage as below.....

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	41.5	41.5	7'0"
Bridge House	91.25	91.25	8'0"
↑ Raised Q. Dk.....	20.25	20.25	8'0"
Poop.....	20.25	15.3	4.25
Total	153	425	360
Length of Ship	360		
Corresponding percentage (Para. N, 12, 13, or 14)	26.75		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :—

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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 requiring 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 amidships beam.
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points one-eighth of the vessel's length from stem and stern-post.

Moulded Depth as measured..... **28.5'**
- 28 " 6

Addition for Keel below base line for draught record..... **1 1/2** inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	360	
Length in Table	342	
Difference	18	
Correction for 10ft., Table A.	1.5	Table C.
× Difference divided by 10	2 X 7	(if required.) 1.8
If $\frac{1}{10}$ ths length covered divide by 2	+ 2 3/4	+ 1 1/4

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered	40
Thickness of usual wood deck, less stringer	82
	- 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	30.0
Round of Beam	12 3/4
Normal round.....	12 3/4
Difference	0 1/4 ÷ 2 = 1/8
Proportion of Deck uncovered (Para. 19)	591
	- 1/4

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

Freeboard, Table A	7'0"
Correction for Sheer	6 1/2
Correction for Length	6' 5 1/2
Allowance for Deck Erections	+ 2 3/4
Correction for Round of Beam	6' 8 1/4
Correction for fall in Sheer (if any)	- 8 3/4

5 7 11 1/2
✓

Correction for Iron Deck (if required)

- 1 1/2
5 - 10

Additions for non-compliance with provisions of
Para. 11 (d) and (e) †

Other Corrections (if any)

Winter Freeboard

5' 10"

Summer Freeboard

5' 5"

Indian Summer Freeboard

5' 0"

N. A. Winter Freeboard

1 3/4

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.

5' 10"
5' 5"
5' 0"

Winter Freeboard from deck line

6' 0"

Summer " " "

5' 7"

Indian Summer " " "

5' 2"

N. A. Winter " " "

5' 7"

* 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.

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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? Bulk angles fitted
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? Yes
 Give particulars of the means for closing the openings in Bulkhead Iron W.T. Doors.
 Is the Poop or 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 Steel W.T. Doors.
 What is the thickness of the Bridge Front plating? .40 and Coaming plate? .44
 Give scantlings and spacing of the Stiffeners 8x3/8 x 66 BAs stiffeners 80" spacing ✓
 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 fitted to take wood battens, extending to a height of 6'0" above deck.
 Is the Forecastle at least as high as the main or top-gallant rail? Yes
 Has the Forecastle an efficient Iron or 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.		N°1. 29'9" x 20'0"	N°2. 34'0" x 20'0"	N°3. 34'0" x 20'0"	N°4. 29'9" x 20'0"			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.								
Height above top of DECK	36"	7-1	36"	7-1	36"	7-1	36"	7-1
Thickness { Sides.....	.50		.54		.54		.50	
Ends.....	.44		.44		.44		.44	
SHIFTING BEAMS OR WEB PLATES.	Number	5	6	6	5			
	Section and Scantlings	PLATE 36x18x0.9"	Do	Do	Do			
	Material	STEEL	ANGLES 4x3x.44					
* FORE AND AFTERS.	Number	None	None	None	None			
	Section and Scantlings							
HATCHES	Thickness	Wood	2½	2½	2½	2½		
Remarks.....	7x3/8 x 44 B.A FITTED AROUND SIDES & ENDS WITH BRACKETS TO DECK.							

* 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.

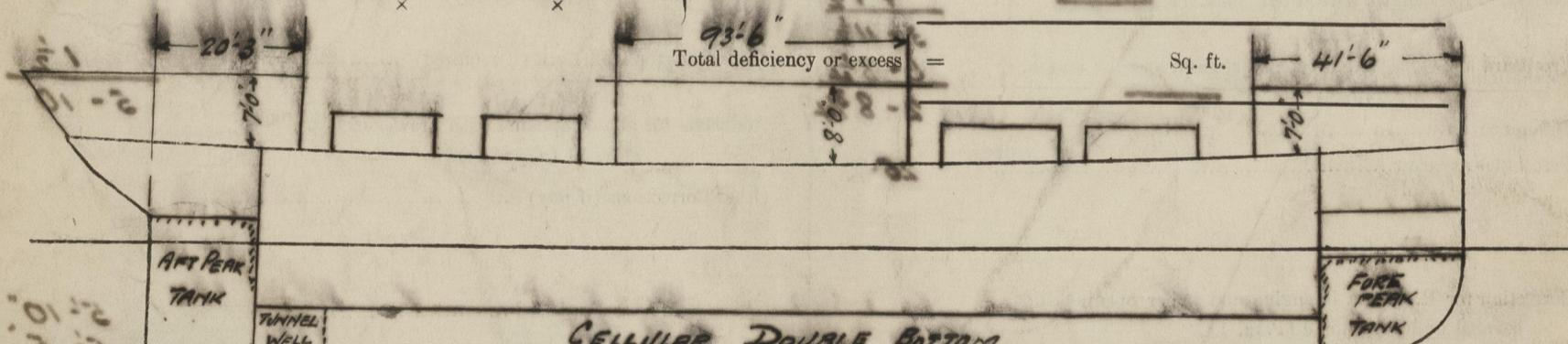
Length of Bulwarks in well

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

Ft. Tenths. Ft. Tenths. No.

x	x	Freeing Ports (each side of vessel)	=	Sq. ft.
x	x			

93-6"	Total deficiency or excess	=	Sq. ft.
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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

fitted with barge sockets.

Tank top runs straight out to, sides, shell plating

? Board on Jambs of

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Owners Nippon Yusen Kaisha

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Tokyo

Fee YEN 120.

Received by me

25/9/20 H.D. Buchanan.



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