

Rpt. 11b

DISCLOSED

SECT 30231

Index No. 1010  
(For London Office only.)  
THU. 15

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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

Port of Survey NAGASAKI  
Date of Survey 12th Nov 1920  
Name of Surveyor R. Crawford.

Ship's Name. Hull No. <u>343</u> s/s <u>"BENGAL MARU"</u>	Port of Registry and Nationality. <u>Tokio,</u> <u>Japanese</u>	Official Number.	Gross Tonnage. <u>5360</u>	Date of Build. <u>1921</u>	Particulars of Classification. <u>*100AI, Contemplated.</u>
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Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>400.0</u>	<u>54.5</u>	<u>30.0</u> <i>Depth to tank = 29.5</i>	<u>4844</u>
	<u>399.2</u>	Frame Depth <u>9"</u> Rule <u>6</u> <u>3</u>	Ceiling fitted <u>Peak</u> Sheer <u>+1.41</u> <u>3"</u> <i>drop in tank</i> <u>+1.12</u>	Incl <u>Suez</u>
	<u>399.2</u>	<u>54.0</u>	<u>29.03</u>	<u>4844</u>

Moulded Depth as measured..... 30'- 0"  
Addition for Keel below base line for draught record. 2.1/32 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.....	<u>399.2</u>
Length in Table .....	<u>360</u>
Difference .....	<u>39.2</u>
Correction for 10ft., Table A. ....	<u>1.5</u> Table C. <u>.8</u>
× Difference divided by 10 .....	(if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<u>+ 6</u> <u>+ 3 1/4</u>

### CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered .....	<u>.506</u>
Thickness of usual wood deck, less stringer .....	<u>3 1/2</u>
	Not sheathed. <u>- 1 1/2</u>

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>53.3</u>
Round of Beam .....	<u>13 5/8</u>
Normal round.....	<u>13 5/8</u>
Difference .....	<u>÷ 2 =</u>
Proportion of Deck uncovered (Para. 19) .....	

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

Freeboard, Table A .....	<u>7-5 1/2</u>
Correction for Sheer .....	<u>- 1-0 1/2</u>
	<u>6-5</u>
Correction for Length .....	<u>+ 6</u>
	<u>6-11</u>
Allowance for Deck Erections .....	<u>- 9</u>
	<u>6-2</u>
Correction for Round of Beam.....	
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required) .....	<u>- 1 1/2</u>
	<u>6-0 1/2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ .....	
Other Corrections (if any) .....	

Winter Freeboard .....	<u>6-0 1/2</u>
Summer Freeboard .....	<u>5-7</u>
Indian Summer Freeboard .....	<u>5-1 1/2</u>
N.A. Winter Freeboard .....	

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood iron deck with side. 1 1/2

Winter Freeboard from deck line .....	<u>6-2</u>
Summer " " " " .....	<u>5-8 1/2</u>
Indian Summer " " " " .....	<u>5-3 1/2</u>
N.A. Winter " " " " .....	

of fineness..... .77  
ation necessary 6.08  
a) to (e)\* .75  
s corrected .....

137.5 } 199.5 ÷ 2 = 99.75 ... Mean  
post 62.0

the length from { Stem 80.5  
                          Sternpost 30.5 } 111 ÷ 2 = 55.5 ... Mean  
Sheer allowed 100.32 ÷ 55  
in Sheer [Table, Para. 18] 49.92 = 100.9  
Difference..... 50.4 ÷ 4 =  
s Para. 18 (f) ..... - 12 1/2

er { At front of bridge house.....  
ips { At after end of forecastle .....

er { / ÷ 2 =  
y) {  
ered .....  
Correction

### ALLOWANCE FOR DECK ERECTIONS :—

ble C.....	<u>4-4</u>
Length, if required (Para. 12, 13, and 14) .....	<u>+ 3 1/2</u>
	<u>4-7 1/4</u>
Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	<u>6-11</u>
	<u>2-3 1/4</u>
elow.....	<u>50.6%</u>

Q. Dk. if engine and boiler openings not bridge house (Para. 11) - 9  
eck Erections .....

Length.	Length allowed.	Height.
<u>42.5</u>	<u>42.5</u>	<u>7.75</u>
<u>121.0</u>	<u>121.0</u>	<u>7.75</u>
<u>38.75</u>	<u>38.75</u>	
	<u>202.25</u>	
	<u>399.2 = .506</u>	

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

planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.  
In vessels containing 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 at the stem and sternpost. 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.

MARKING FORM  
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006505-006511-0166



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? 2nd Deck, and bulb angle frames.  
 Has the Poop 2nd Deck an efficient Iron Bulkhead at the fore end? yes  
 Give particulars of the means for closing the openings in Bulkhead Hinged steel W.T.door,  
 Is the Poop 2nd 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 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 9 x 3 1/2 x .54 B.A. spaced 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? Wash boards full height in riveted channels,  
 Is the Forecastle at least as high as the main or top-gallant rail? yes Has the Forecastle an efficient Iron W 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? 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 Ford 27'x18'	No.2 & 4 30'-3"x 18'-0"	No.3 13'-9"x 16" on Bridge	No.5, 27'-6"x18'	No.6 11'-0"x 16' on Poop	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	24	24	18	24	18	
	Thickness {	Sides.....	.44	.50	.44	.44	.44
		Ends.....	.44	.44	.44	.44	.44
		As	As	As	As	As	
SHIFTING BEAMS OR WEB PLATES.	Number .....	5	5	2	5	1	
	Section and Scantlings .....	15"-7½"x.35 angles	16¼"-8¼"x.36 angles	11"-6"x.30 angles	15"-7½"x.36 angles	11½"-6"x.32 angles	
		Material .....	4x3x.44	4x3x.44	3½x3½x.44	4x3x.44	3½x3½x.44
			Approved	Approved	Approved	Approved	
* FORE AND AFTERS.	Number .....						
	Section and Scantlings .....						
		Material .....					
HATCHES Thickness .....		3"					
Remarks.....		Good					

\* 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.

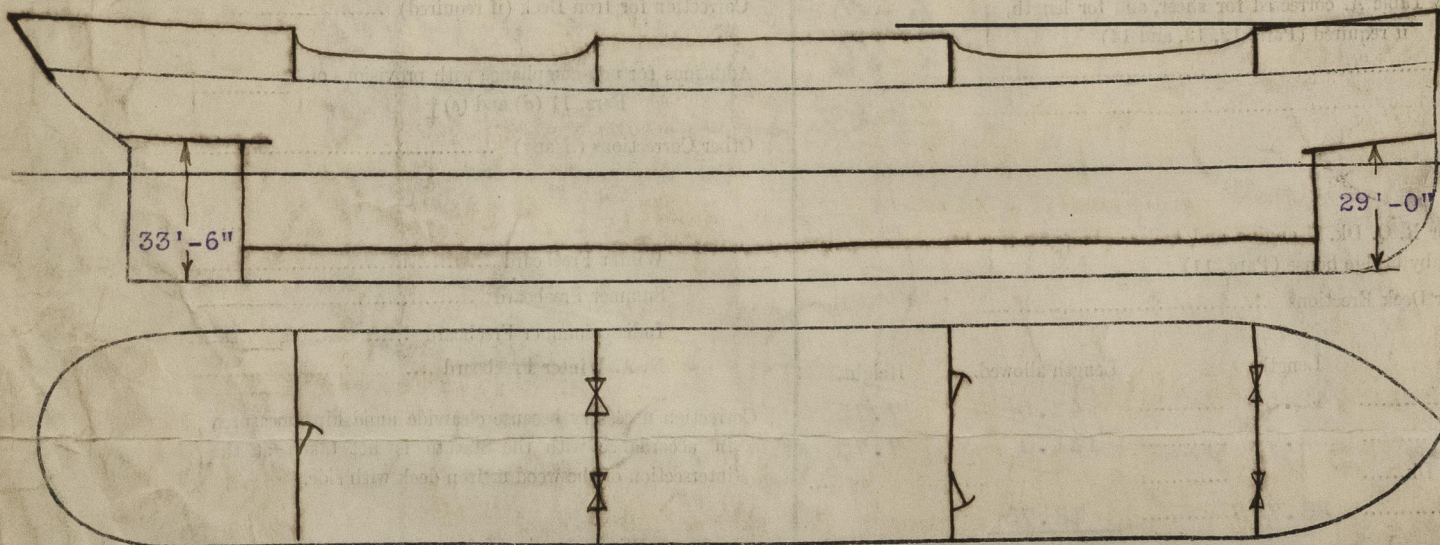
What is the thickness of the Bridge Sheerstrake? / Strake between Main and Bridge Sheerstrakes? /

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.	
Aft	3. 75	x 1. 66	x 4	Freeing Ports (each side of vessel) = 51.0 Sq. ft.
Ford	3. 75	x 1. 66	x 4	

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 None. Sister vessel to s/s "Himalaya Maru"

Report No. 1195, Signed request form enclosed.

Owners. Nippon Yusen Kabushiki Kaisha,

Address Tokio, Japan.

Fee £ Yen. 150:00

See L & R Rpt  
 Received by me asw.

R. Crawford

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