

28066

FRI. 22 AUG. 1919
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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 17-6-19
Name of Surveyor J. B. Bains

*Rpt. 116.
Yokohama
27913
J. B. Bains
27185*

Ship's Name. <u>Yakumo Maru</u>	Port of Registry and Nationality. <u>Kobe Japanese</u>	Official Number. <u>3206</u>	Gross Tonnage. <u>3206</u>	Date of Build. <u>7-19</u>	Particulars of Classification. <u>100 A1</u>
Number in Register Book <u>317</u>					

Registered dimensions from Ship's Register.	LENGTH. <u>305</u>	BREADTH. <u>43'-9" hds</u> <u>43-95/8</u>	DEPTH. <u>27'-3" hds</u> <u>24-98</u>	UNDER DECK TONNAGE. <u>26-75</u> <u>2675-82</u>
Length on LOADLINE.	<u>305</u>	Frame Depth Rule <u>8</u> <u>5 1/2</u> <u>2 1/2</u> <u>- .42</u>	Ceiling + 20 <u>20</u> Sheer + .63 <u>5" deck tank</u> <u>+ .20</u>	Peak <u>10" frames</u> <u>3 + 13</u> <u>+ 4</u>
REGISTERED DIMENSIONS.	<u>305</u>	<u>43.53</u>	<u>26.01</u>	<u>2679.82</u>

Moulded Depth as measured.....27'-3"
Addition for Keel below base line .86 Keel plate .86 lap for draught record. I. 1/4 inches.

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

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CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>305</u>
Length in Table	<u>327</u>
Difference	<u>22</u>
Correction for 10ft., Table A.	<u>1.4</u> Table C. <u>.7</u>
× Difference divided by 10	<u>3.08</u> (if required.) <u>1.54</u>
If 1/10ths length covered divide by 2	<u>-3</u> <u>-1 1/2</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>.48</u>
Thickness of usual wood deck, less stringer	<u>3 1/2</u> <u>-1 3/4</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>43'-2"</u>
Round of Beam	<u>11"</u>
Normal round.....	<u>10 3/4</u>
Difference	<u>1/4</u>
Proportion of Deck uncovered (Para. 19)	<u>÷ 2 =</u>

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

Efficient of fineness......77 776
Modification necessary (Para. 4 (a) to (e))* } CAB
Efficient as corrected75

Mean Sheer at 1/4 of the length from Stem.....91 3/8
Sternpost.....43
 $134 3/8 ÷ 2 = 67.43$ Mean
Mean Sheer at 1/4 of the length from Stem.....45 3/4
Sternpost.....24
 $69 3/4 ÷ 2 = 34.875$ Mean
Dual mean Sheer.....63.4 $÷ .55 = 63.4$
Standard mean Sheer [Table, Para. 18].....40.5 Correction
Difference.....22.9 $÷ 4 = -5 3/4$
Not limited as Para. 18 (f).....

Fall in Sheer { At front of bridge house.....
amidships {
Para. 18 (e) } At after end of forecastle

Fall in Sheer {
Para. 18 (d) } $÷ 2 =$
Length uncovered

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>3 .. 4</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>-1 1/2</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>3 .. 2 1/2</u>
Difference	<u>5 - 8</u>
Percentage as below.....	<u>2 .. 5 1/2</u>
	<u>30.6</u>
	<u>-9</u>

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.....	<u>29-7</u>	<u>29.58</u>	<u>7-5 3/4</u>
Bridge House.....	<u>91-11</u>	<u>91.92</u>	<u>7-6"</u>
Raised Qr. Dk.....			
Poop.....	<u>25'-0</u>	<u>25.0</u>	<u>7-6 1/4</u>
Total	<u>146'-6"</u>	<u>146.5</u>	<u>305</u>
Length of Ship			<u>.48</u>

Corresponding percentage (Para. 11, 12, 13, or 14) } 30.6%

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

Fresh Water Line	above centre of Disc	<u>5 1/2</u>
Indian Summer Line	" " "	<u>5</u>
Winter Line	below " "	<u>4 1/2</u>
Winter North Atlantic Line	" " "	<u>6 1/2</u>

* 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 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 sternpost.

Freeboard, Table A	<u>6 .. 4 3/4</u>
Correction for Sheer	<u>-5 3/4</u>
Correction for Length	<u>5 .. 11</u>
Allowance for Deck Erections	<u>-3</u>
Correction for Round of Beam.....	<u>5 .. 8</u>
Correction for fall in Sheer (if any).....	<u>-9</u>
Correction for Iron Deck (if required)	<u>4 .. 11</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any)	

Winter Freeboard	<u>4 .. 9 1/4</u>
Summer Freeboard	<u>4 .. 4 1/2</u>
Indian Summer Freeboard	<u>3 .. 11 3/4</u>
N. A. Winter Freeboard	<u>4 .. 11 1/4</u>

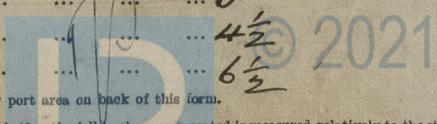
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. 1 1/2

Winter Freeboard from deck line	<u>4 .. 10 3/4</u>
Summer " " " "	<u>4 .. 6</u>
Indian Summer " " " "	<u>4 .. 1 1/4</u>
N. A. Winter " " " "	<u>5 .. 0 3/4</u>

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.

W1330-0118

26.8.19



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Do all the Frames extend to the top height in the Poop? Yes Raised Quarter Deck? xx Bridge House? Yes Forecastle? Yes
 To what height do the Reverse Frames extend? None
 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 Steel W.T. door.
 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. door.
 What is the thickness of the Bridge Front plating? .48 and Coaming plate? .42
 Give scantlings and spacing of the Stiffeners 7 x 3 x .56 P.A. 30"
 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? Steel W.T. door.
 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? Steel 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? xx
 Give thickness of plating; scantlings and spacing of Stiffeners xx
 What is the height of the exposed Casings? xx Are suitable means provided for closing all openings in them in bad weather? xx
 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.		No1 24'-6"x16'-0"		No2 24'-6"x16'-0"		No3 24'-6"x16'-0"		No4 24'-6"x16'-0"			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30"		30"		30"		30"			
	Thickness	Sides.....	.44								
		Ends.....	.44								
SHIFTING BEAMS OR WEB PLATES.	Number.....	4									
	Section and Scantlings	14" to 8"x34		Same as No. 1.		Same as No. 1.		Same as No. 1.			
	Material.....	D. angles top & bottom 3 1/2 x 3 x 42									
* FORE AND AFTERS.	Number.....										
	Section and Scantlings	None		None		None		None			
	Material.....										
HATCHES Thickness		2 1/2"		2 1/2"		2 1/2"		2 1/2"			
Remarks.....											

* 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?

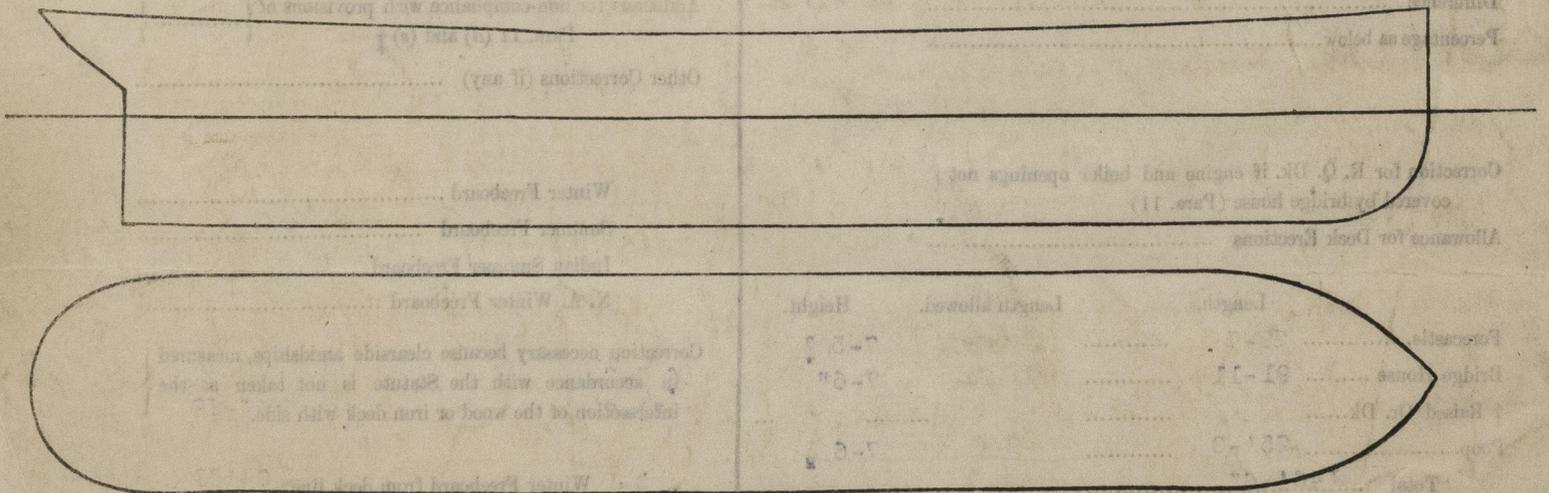
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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 None Sister Vessels "Shinryu Maru", "Taizan Maru", "Genchu Maru", "Gozan Maru", "Yubae Maru"

Owners Suzuki & Co
 Address Kobe

Fee 3.100.00

Received by me 15-7-19



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