

EXT
JUN 1916

Bgn

WED. 19 JUL 1916

24734

Lloyd's Register of British & Foreign 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 Osaka
Date of Survey May 1916
Name of Surveyor A. L. Jones

Ship's Name
Totai Maru

Port of Registry and Nationality.
Amagasaki
Japanese

Official Number.

Gross Tonnage.
3188.19

Date of Build.
1916-5

Particulars of Classification.

+100A1 recommended

Registered dimensions from Ship's Register.
LENGTH. 305.0
BREADTH. 44.1 British
DEPTH. 27.25 hold
UNDER DECK TONNAGE. 2757

Moulded Depth as measured..... 27' 3"

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

Length on LOADLINE. 305
Rule 5.5
Ceiling + .40
Sheer + .88
Peak Tanks British
drop in tank corresponding
2665 alt.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 305
Length in Table 327
Difference 22
Correction for 10ft., Table A. 1.4 Table C. .7
× Difference divided by 10 3.08 (if required.) 1.54
If $\frac{1}{10}$ ths length covered divide by 2 - 3 - 1.5

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered43 .44
Thickness of usual wood deck, less stringer 3 1/2 - 1 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 42.75
Round of Beam 10 3/4
Normal round..... 10 3/4
Difference ✓ ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19)

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

Efficient of fineness..... .82 .76 7631
Modification necessary } .02 02
Para. 4 (a) to (e)]* } 7431
Efficient as corrected80 .74 758

Stem..... 96 } 145 3/8 ÷ 2 = 72 1/16 ...Mean
Sternpost ... 49 3/8
Stem..... 52 3/4 } 79 1/2 ÷ 2 = 39 3/4 ...Mean
Sternpost 26 3/4
Standard mean Sheer 72.7
Standard mean Sheer [Table, Para. 18] 40.5 Correction
Difference..... 32.2 ÷ 4 = 8.05
Limited as Para. 18 (f)..... 31.77 - 8

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

Fall in Sheer } ÷ 2 = Lower amidships
Para. 18 (d)]
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 3' 5 1/2" 3 1/2
Correction for Length, if required (Para. 12, 13, and 14) - 1 1/2"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 5' 7 3/4" 5 1/4
Difference 2' 3 1/4"
Percentage as below..... 27.6 28.08
7.65

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 7 3/4

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	<u>32.25</u>	<u>32.25</u>	<u>7-0</u>
Bridge House.....	<u>82.00</u>	<u>82.00</u>	
Raised Qr. Dk.....	<u>85</u>	<u>84.25</u>	
Poop.....	<u>19.00</u>	<u>19.00</u>	
Total	<u>135.5</u>	<u>133.25</u>	<u>= 437</u> <u>.444</u>
Length of Ship	<u>305.00</u>		

Corresponding percentage } 27.6 28.08%
(Para. 11, 12, 13, and 14)

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	"	"	"

21 JUL 1916

Winter Freeboard 4' 5.8
Summer Freeboard 4' 3 1/4
Indian Summer Freeboard 3' 10 1/2
N. A. Winter Freeboard 4-10

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 4' 9 1/2
Summer " " " " 4' 4 1/2 1/4
Indian Summer " " " " 4' 0
N. A. Winter " " " " 4' 11 1/2

As assigned to "Peking" "Nanking" same particulars. Add marks and verification form is enclosed

† 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.

§ 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 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.

Do all the Frames extend to the top height in the Poop? yes Raised Quarter Deck? no Bridge House? no Forecastle? no

To what height do the Reverse Frames extend? Longitudinal system

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 2 W.T. steel 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 2 W.T. steel doors

What is the thickness of the Bridge Front plating? 3/8 and Coaming plate? 1/2

Give scantlings and spacing of the Stiffeners 8 x 3 x 56 BA Special 27" x 30" Five vert. webs 18" x 40"

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? 2 W.T. steel doors

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? no

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? no

Give thickness of plating; scantlings and spacing of Stiffeners

What is the height of the exposed Casings? no Are suitable means provided for closing all openings in them in bad weather? no

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:—

Position and Size.		No. 1 24 ft x 16 ft		Same as No. 1		Same as No. 1		Same as No. 1			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30	24								
	Sides.....	44	44								
	Ends.....	40	40	all four hatchways the same							
SHIFTING BEAMS OR WEB PLATES.	Number	23-18x34	4								
	Section and Scantlings	3-3-40	19-14x34								
	Material	4 angles	4 angles								
* FORE AND AFTERS.	Number										
	Section and Scantlings	none	none								
	Material										
HATCHES Thickness		3"	3"								
Remarks.....											

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.
 (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? no Strake between Main and Bridge Sheerstrakes? no

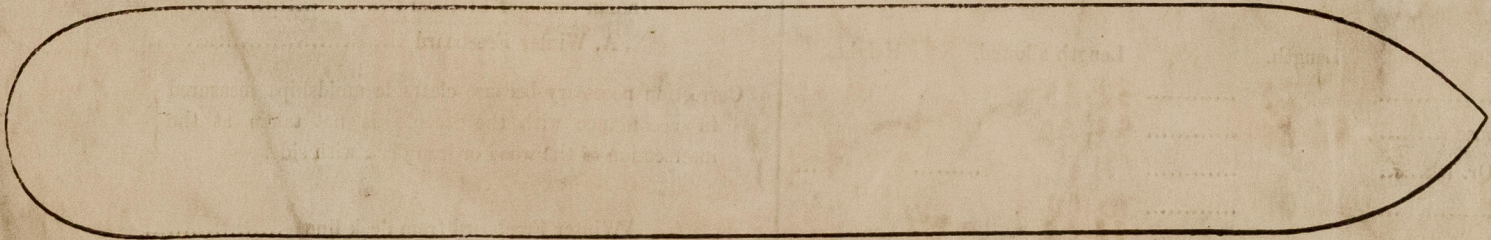
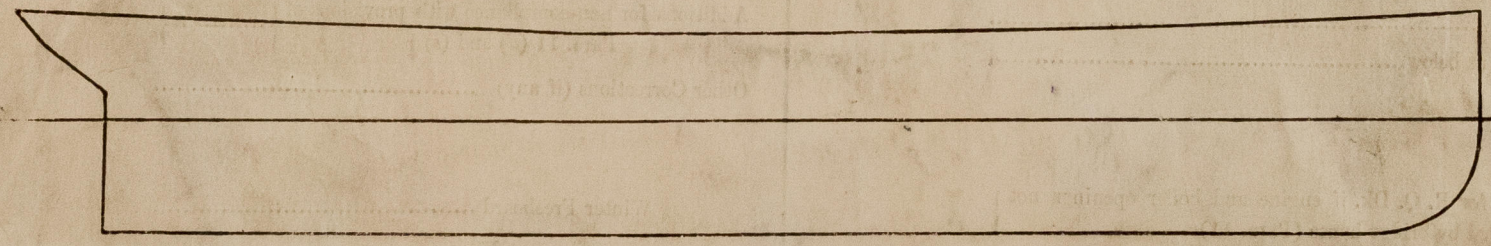
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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

Duplicate of steamers "Peking Maru" + "Nanking Maru", Kobe Reps. Nos. 1498 + 1520
 Freeboard request and verification forms now enclosed.

Owners

Address

Fee £

Received by me