

(Copy)

TUE - 2 MAY 1916 No. 1036

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

REGULATIONS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
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 Nagasaki
Date of Survey 12th Feby. 1916
Name of Surveyor G. D. Aitken

Ship's Name, <u>Kita Maru</u> No. in Register Book <u>252</u>	Port of Registry and Nationality. <u>Tokio</u> <u>Japan</u>	Official Number. <u>3791</u>	Gross Tonnage. <u>3791</u>	Date of Build. <u>1916</u>	Particulars of Classification. <u>100A.1. contemplated</u>
--	--	------------------------------------	----------------------------------	-------------------------------	---

Registered Length from Register.	LENGTH. <u>344.3</u>	BREADTH. <u>50.23</u>	DEPTH. <u>26.58</u>	UNDER DECK TONNAGE. <u>3459</u>
Length on LOADLINE.	<u>344.3</u>	Frame Depth Rule <u>6</u> <u>4 1/2</u>	Ceiling <u>fixed</u> Sheer <u>0.34</u> <u>4" drop in tank +.16</u>	Peak Tanks } incl. <u>3.10</u> <u>Frame 9" in way 927" sheering</u> <u>- 13 3/4 tons</u>
Corrected Dimensions.	<u>344.3</u>	<u>49.48</u>	<u>27.17</u> <u>24.08</u>	<u>3446</u> <u>3456</u>

Moulded Depth as measured..... 29.08 = 29'-1.1"
Upper dk. not checked
30 - 1/2
3 - 5/2
26-8 to tank

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

Efficiency of fineness..... .749
Modification necessary [Para. 4 (a) to (e)]* C.D.B.
Efficiency as corrected..... .725

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>344.3</u>
Length in Table.....	<u>349.0</u>
Difference.....	<u>4.67</u>
Correction for 10ft., Table A.....	<u>1.5</u>
× Difference divided by 10.....	<u>.705</u> (if required.)
If 1/10ths length covered divide by 2.....	<u>- 3/4</u>

Sheer { Stem..... 83'
at { Sternpost... 41"
 $124 \div 2 = 62$ Mean 56.82
44.43
36 1/2 39
Sheer at 1/8 of the length from { Stem 42.5
Sternpost 20.0
 $62.5 \div 2 = 31.25$ Mean 31.25
Standard mean Sheer..... 56.82
Difference..... 25.57
If limited as Para. 18 (f)..... 3.09 -3"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered.....	<u>.427</u>
Thickness of usual wood deck, less stringer.....	<u>3 1/2</u>
$3.46 \times .427 = 1.47$	<u>- 1 1/2" X</u>

Rise in Sheer { At front of bridge house.....
from amidships { Para. 18 (e) } At after end of forecastle.....
Fall in Sheer { Para. 18 (d) }
Length uncovered..... Correction

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>48.0</u>
Round of Beam.....	<u>12 1/2</u>
Normal round.....	<u>12 1/2</u>
Difference.....	<u>1/2</u>
Proportion of Deck uncovered (Para. 19).....	<u>.24</u>
$1/2 \div 2 = 1/4$	<u>1/4</u>

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>3 - 10.66</u>
Correction for Length, if required (Para. 12, 13, and 14).....	<u>3.10 3/4</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14).....	<u>6.85 1/2</u>
Difference.....	<u>2.10 1/4</u>
Percentage as below.....	<u>26.75%</u> <u>26.89%</u>

Freeboard, Table A.....	<u>7 - 0.33</u>
Correction for Sheer.....	<u>3.09</u>
Correction for Length.....	<u>6 - 9.24</u>
Allowance for Deck Erections.....	<u>9.20</u>
Correction for Round of Beam.....	<u>1.47</u>
Correction for fall in Sheer (if any).....	<u>5 - 11.32</u>
Correction for Iron Deck (if required).....	<u>1.47</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e).....	<u>5 - 9.41</u>
Other Corrections (if any).....	<u>5 - 10 9 3/4</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 9.14
Allowance for Deck Erections 9.20

Winter Freeboard.....	<u>5 - 9.41</u>	<u>5.10 9 3/4</u>
Summer Freeboard.....	<u>5 - 4.57</u>	<u>5.4 1/2</u>
Indian Summer Freeboard.....		<u>4.11 3/4</u>
N.A. Winter Freeboard.....		

Forecastle.....	Length. <u>40' 0"</u>	Length allowed. <u>40' 0" X</u>	Height. <u>7' 9"</u>
Bridge House.....	<u>74' 0"</u>	<u>74' 0" X</u>	<u>7' 9"</u>
Poop.....	<u>33' 0"</u>	<u>33' 0" X</u>	<u>7' 9"</u>
Total.....	<u>147' 0"</u>		
Length of Ship.....	<u>344.3</u>		<u>.427 X</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"

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' 6"</u>
Indian Summer Line.....	<u>5' 2 1/4"</u>
Winter Line below.....	<u>5' 2 1/4"</u>
Winter North Atlantic Line.....	<u>5' 2 1/4"</u>

Winter Freeboard from deck line.....	<u>5' 11 1/2"</u>
Summer " " ".....	<u>5' 6 5/4"</u>
Indian Summer " " ".....	<u>5' 1 3/4"</u>
N.A. Winter " " ".....	

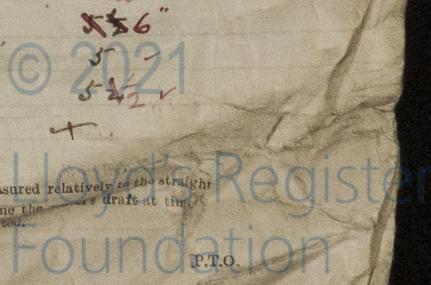
If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R. Q. D. is to be taken from the level 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.

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 surveyor should also state the usual lead draft forward and aft sheers.

2.5.16

Gen. 2/11/16

006845-006856-0052



Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *B. angle frames (aft peak to upper dck.)*
 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 *Hinged steel 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 *Hinged steel W.T. doors*
 What is the thickness of the Bridge Front plating? *.40, wing .44 and Coaming plate? .44*
 Give scantlings and spacing of the Stiffeners *8" x 3 1/2" x 66 B.A. spaced 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? *Wash boards half 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 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? *Bridge*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *Yes*
 What is the height of the exposed Casings? *8ft.* Are suitable means provided for closing all openings in them in bad weather? *Yes*
 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 Hatch 27'6" x 18'0"		No. 2 Hatch 33'0" x 18'0"		No. 3 Hatch 30'3" x 18'0"		No. 4 Hatch 27'6" x 18'0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	24"	24"		22"		22"	
	Thickness	Sides	.44"	.44"	.44"	.44"	.44"	.44"
		Ends	.44"	.44"	.44"	.44"	.44"	.44"
SHIFTING BEAMS OR WEB PLATES.	Number	5	7	6	5		5	
	Section and Scantlings							
	Material	Plate .36 angle 2 1/2 x 3 x 4 1/2 steel	Plate .34 angle 2 1/2 x 3 x 4 1/2 steel	Plate .34 angle 2 1/2 x 3 x 4 1/2 steel	Plate .36 angle 2 1/2 x 3 x 4 1/2 steel		Plate .36 angle 2 1/2 x 3 x 4 1/2 steel	
* FORE AND AFTERS.	Number							
	Section and Scantlings	None	None	None	None		None	
	Material							
HATCHES Thickness	3'		3'		3'		3'	
Remarks	wood		wood		wood		wood	

* 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.)

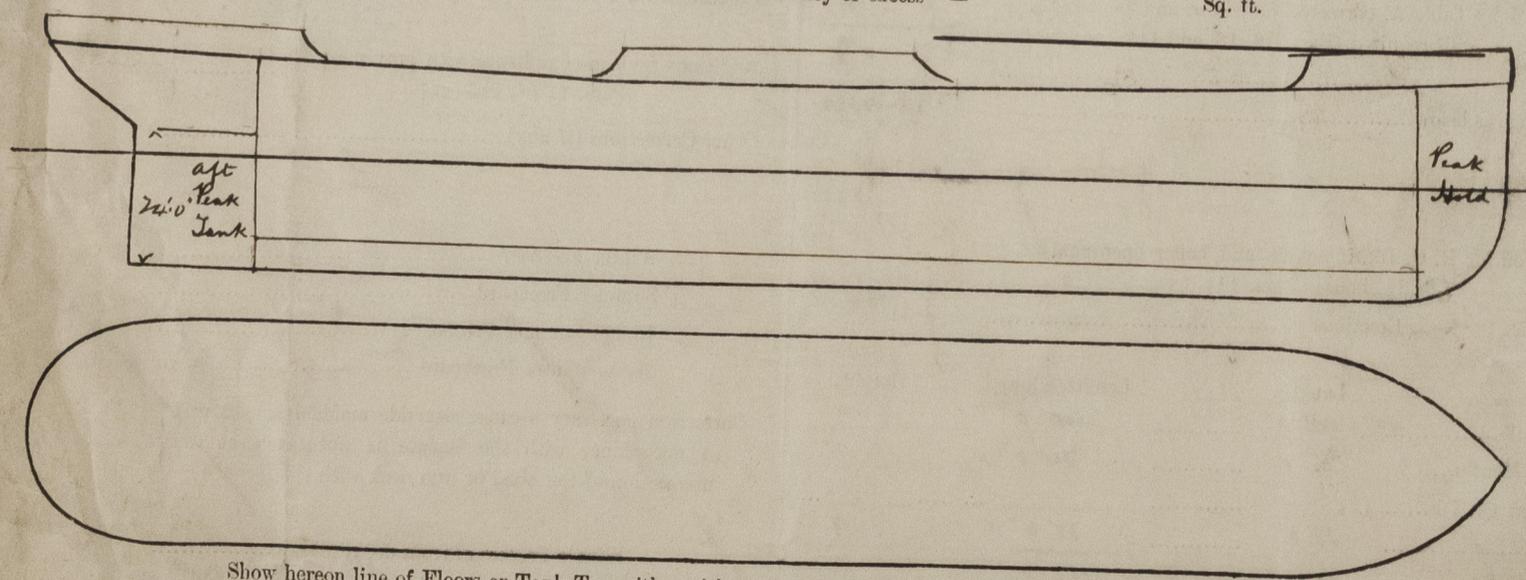
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? *.40* Strake between Main and Bridge Sheerstrakes? *.40*

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 *Forward 97 aft 98*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *18.42* Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	Freeing Ports (each side of vessel) =	18.42 Sq. ft.
For	1	x	1.4	x		
aft	do.	x	do.	x	do.	

 Total deficiency or excess = *0* 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. Request form is enclosed.*

Owners

Address

Fee £

Received by me

