

DISCLOSED SECTION Newcastle Report No. 72/55. Index No. 28674 (For London Office only.) No 380

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 Newcastle on Tyne
Date of Survey 6 Feb. 1920
Name of Surveyor G. D. Aitken

Ship's Name. <u>Togokawa Maru</u> <u>206-S. SEATTLE</u>	Port of Registry and Nationality. <u>London</u>	Official Number. <u>57841</u>	Gross Tonnage. <u>5133</u>	Date of Build. <u>1911</u>	Particulars of Classification. <u>100 A-1. Contemplated</u>
Number in Register Book <u>25908</u>					

Registered dimensions from British Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>385</u>	<u>54</u>	<u>27.8</u>	<u>4736.3</u>
	<u>385</u>	Frame Depth <u>11</u> Rule " <u>6</u> <u>5</u> <u>-.83</u>	Ceiling <u>flat</u> Sheer <u>+1.08</u> <u>Bank level</u>	Peak ? Tanks ?
	<u>385</u>	<u>53.17</u>	<u>28.88</u>	<u>4736.3</u>

Moulded Depth as measured..... 30-2 3/4 ^{see 30'-3"}
 Addition for Keel below base line for draught record... 15/8 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>385</u>
Length in Table	<u>363</u>
Difference	<u>22</u>
Correction for 10ft., Table A.....	<u>1.5</u> Table C. <u>.8</u>
× Difference divided by 10	<u>5.5</u> (if required.) <u>1.76</u>
If 10ths length covered divide by 2	<u>+ 3/4</u> <u>+ 1 3/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 70ths length covered	<u>.449</u>
Thickness of usual wood deck, less stringer	<u>3/4</u>
	<u>- 1/2</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>52.42</u>
Round of Beam	<u>13 1/2</u>
Normal round.....	<u>13.10</u>
Difference	<u>.40 ÷ 2 = .20</u>
Proportion of Deck uncovered (Para. 19)	<u>.551</u> <u>.11</u>

nt of fineness..... .80
 ification necessary }
 4 (a) to (e)]* } 6.8.18.
 nt as corrected78

Stem..... 120
 Sternpost ... 60
 of the length from { Stem 65.66 } 96
 { Sternpost 31.33 } 49 ÷ 2 = 49.5 Mean 87.27
 Mean Sheer allowed 87.27
 Mean Sheer [Table, Para. 18] 48.5 Correction
 Difference..... 38.77 ÷ 4 =
 ed as Para. 18 (f) - 9 3/4

Sheer { At front of bridge house.....
 Amidships {
 8 (e)] { At after end of forecastle.....

Sheer {
 8 (d) } ÷ 2 =
 Uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Table C.....	<u>4-6 1/4</u>
for Length, if required (Para. 12, 13, and 14)	<u>+ 1 3/4</u>
	<u>4-8</u>
by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>7-2 1/4</u>
	<u>2-6 1/4</u>
as below.....	<u>28.43%</u>
	<u>8.60</u>

for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
 for Deck Erections - 8 1/2

Length.	Length allowed.	Height.
..... <u>31</u>	<u>31</u>	<u>7-11</u>
use <u>108</u>	<u>108</u>	<u>7-11</u>
Qr. Dk..... <u>33.8</u>	<u>33.8</u>	<u>7-11</u>
al <u>172.8</u>		
Ship <u>385 = .449</u>		

ending percentage (Para. 11, 12, 13, or 14) } 28.43%

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

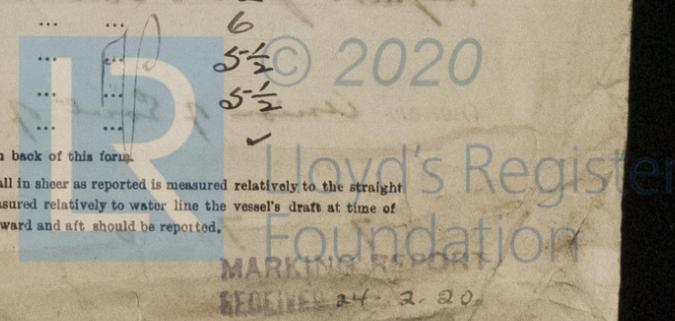
Fresh Water Line above centre of Disc	<u>6'-0 1/2"</u>
Indian Summer Line " " " "	<u>6</u>
Winter Line below " " " "	<u>5 1/2</u>
Winter North Atlantic Line " " " "	<u>5 1/2</u>

Freeboard, Table A	<u>7-8 3/4</u>
Correction for Sheer	<u>- 9 3/4</u>
	<u>6-11</u>
Correction for Length	<u>+ 3 1/4</u>
	<u>7-2 1/2</u>
Allowance for Deck Erections	<u>- 8 1/2</u>
	<u>6-5 3/4</u>
Correction for Round of Beam.....	<u>-</u>
Correction for fall in Sheer (if any).....	<u>-</u>
Correction for Iron Deck (if required)	<u>- 1 1/2</u>
	<u>6-4 1/2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>-</u>
Other Corrections (if any)	<u>-</u>

Winter Freeboard	<u>6-4 1/4</u>
Summer Freeboard	<u>5-10 3/4</u>
Indian Summer Freeboard	<u>5-5 1/4</u>
N. A. Winter Freeboard.....	<u>-</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.	<u>1 3/4</u>
Winter Freeboard from deck line	<u>6-6</u>
Summer " " " "	<u>6-0 1/2</u>
Indian Summer " " " "	<u>5-7</u>
N. A. Winter " " " "	<u>-</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 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.



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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? *B.A. Frames*
 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 *no openings*
 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* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners *8 1/2 x 3 1/2 x .64 B.A. spaced 24" to 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? *Hinged iron 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? *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? *7-9 above bridge* 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.	N ^o 1 - 36 x 22		N ^o 2 - 36 x 22		N ^o 3 on bridge 18 x 22		N ^o 4 - 76 x 22		N ^o 5 - 32 x 22	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	3'-3"	2-11		2-8		3-0		3-0	
	Thickness	Sides	.50	.50	.50		.50		.50	
		Ends	.42	.42	.42		.42		.42	
SHIFTING BEAMS OR WEB PLATES	Number	3	3				3		3	
	Section and Scantlings	7R-3x3x40 Plate 2-9x 42-2-45	7R-3x3x40 30		7R-3x3x40 30		7R-3x3x40 40-30		7R-3x3x40 30	
	Material	Steel								
* FORE AND AFTERS	Number	5	5		5		5		5	
	Section and Scantlings	7x7	7x7		7x7		7x7		7x7	
	Material	P. Pine								
HATCHES	Thickness	3"								
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.

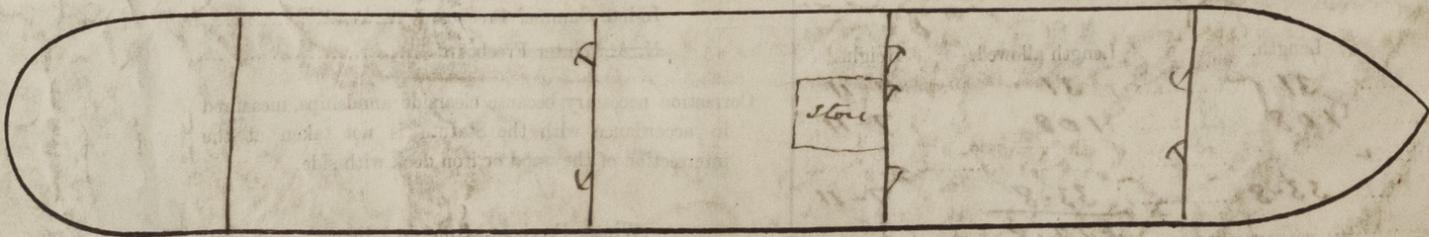
What is the thickness of the Bridge Sheerstrake? *.58* Strake between Main and Bridge Sheerstrakes? *.58 doubled with .50*

Delete the words *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 *F. 106 aft 102*

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.
A	{ 3.5	x	1.5	x			
	{ 2.25	x	1.33	x	1		
F	{ 3.5	x	1.5	x	4	} Total deficiency or excess =	Sq. ft.
	{ 2.0	x	1.33	x	1		



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, now being surveyed for class.*

Request forms enclosed also former certificate for cancellation.

Owners *Union of Govt of South Africa, Dept of Harbour & Railways.*

Address

Fee £ 7 : 7 : 0

Received by me *6/3/20 ABW*

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