

Index No. 273
(For London Office only)

SURVEYS FOR FREEBOARD.—STEAM SHIPS. ~~1825~~

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 *Greenock.*
Date of Survey *Whole building*
Name of Surveyor *R. W. J. K. H.*

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
T.S.M.V. <u>"ATAGO MARU"</u> Number in Register <u>Book</u>	TOKIO. JAPANESE.			1924	100 A1. "WITH FREEBOARD (contemplated)

Registered dimensions from Ship's Register.	LENGTH. 440.0.	BREADTH. 57.25.	DEPTH. 35.8.	UNDER DECK TONNAGE. 7046.53.
Length on LOADLINE.	439.0.	MEAN. Frame Depth 11. Rule " 7 1/2 3 1/2 - 58.	Ceiling FITTED. Sheer + 82.	Peak Tanks
CORRECTED DIMENSIONS.	439.0.	56.67	36.62	7046.53

Moulded Depth as measured..... 38' 6"
Wood & less Shi 3 1/4
 Addition for Keel below base line 38" 2 3/4
 for draught record..... 2 1/2..... inches. to use

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

Co-efficient of fineness..... $\cdot 775^4$
 Any modification necessary }
 [Para. 4 (a) to (e)]* } $\frac{-02.}{\text{FOR. CELL. D. 13.}}$
 Co-efficient as corrected $\cdot 75^{\text{red}}$

Sheer { Stem 108° } $162 \div 2 = 81^{\circ}$... Mean 83.68
 at { Sternpost ... 54° } $361.29.73$
 Sheer at $\frac{1}{2}$ of the length from { Stem $61^{\frac{3}{4}}$ } $92 \div 2 = 46^{\circ}$... Mean 82
 { Sternpost $30^{\frac{1}{4}}$ }
 actual mean Sheer 82.31 $\div 55 = 83.63$
 standard mean Sheer [Table, Para. 18] 53.90 Correction
 Difference $28.41 \div 4 = 7.10$
 If limited as Para. 18 (f) 53.9 $26.95 \div 4 = -6\frac{3}{4}$
 2

Rise in Sheer { At front of bridge house..... ✓
 on amidships {
 Para. 18 (e)] { At after end of forecastle ✓

Fall in Sheer } $\div 2 =$
 Para. 18 (d) }
 Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :—

board, Table C.....

rection for Length, if required (Para. 12, 13, and 14)

board by Table A. corrected for sheer, and for length, }
if required (Para. 12, 13, and 14) }

erence

centage as below.....

ection for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

ance for Deck Erections

Length. Weight.

Castle.....

House

sed Gr. Dk.....

.....

Total

h of Ship

ponding percentage }
ra. 11. 12. 13. or 14) }

BOARD recommended amidships from centre of Disc to top of Statutory Deck Line. ~~Wood~~ (Steel) Deck :—

[illegible]

to frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

Sheels 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.

Flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecasts, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

CORRECTION FOR ROUND OF BEAM.	
Breadth at Gunwale amidships.....	55' 0"
Round of Beam	14'
Normal round.....	13 ³ / ₄ .
Difference	$\frac{1}{4} \div 2 = \dots\dots \frac{1}{8}$
Proportion of Deck uncovered (Para. 19)	

NOTE. — The round of beam should be reported on the sp' breadth of

Freeboard, Table A	10 " 9 ³ / ₄
Correction for Sheer	- 6 ³ / ₄
	<hr/> 10 - 3
Correction for Length	- 3 ¹ / ₄
	<hr/> 9 - 11 ³ / ₄
Allowance for Deck Erection	

Correction for Round of Beam.....

Correction for fall in Sheer (if any).....

Correction for Iron Deck (if required) *Allowed in reduced Med. Weight.*

Additions for non-compliance with provisions of { }
 Para. 11 (d) and (e) † *and to correspond with the*
 Other Corrections (if any) *for scanning* *approved* *+ 1 = 1 1/2*
~~for an extreme load draft of.~~ *28' 3" in summer.* *11 " 1*

Winter Freeboard	7 1/2	11 - 1
Summer Freeboard	7 5/8	10 - 6 1/2
Indian Summer Freeboard		9 - 11 1/2
N. A. Winter Freeboard		

Correction necessary because clearside amidships, measured }
in accordance with the Statute is not taken at the } $+ 13\frac{1}{4}$
intersection of the ~~wood or~~ steel deck with side. }

Winter Freeboard from deck line	11' - $2\frac{3}{4}$
Summer " " " "	10' - 8
Indian Summer " " " "	10' - $1\frac{1}{4}$
N.A. Winter " " " "	

N. A. Winter "	"	"	"	"	.....
1 (Steel) Deck :—	...	...	...	...	10' . 8
...	...	...	...	...	7
...	...	...	...	...	© 27
...	...	...	...	...	6 1/2

+ 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? ☒ Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒

To what height do the Reverse Frames extend? *Bulk angle framing*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? ☒

Give particulars of the means for closing the openings in Bulkhead ☒

Is the Poop or Raised Quarter Deck connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end? ☒

Give particulars of the means for closing the openings in Bulkhead ☒

What is the thickness of the Bridge Front plating? ☒ and Coaming plate? ☒

Give scantlings and spacing of the Stiffeners ☒

Are bracket plates fitted at each end of the Stiffeners? ☒ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? ☒

Has the Bridge House an efficient Iron Bulkhead at the after end? ☒

How are the openings closed? ☒

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? *yes*

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. 27' 0" x 20' 0"		No. 2. 34' 8" x 20' 0"		No. 3. 16' 24' 0" x 20' 0"		No. 4. 10' 8" x 20' 0"		No. 5. 32' 0" x 20' 0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30"		30"		30"		30"		30"	
	Thickness	Sides	44"	44"	44"	44"	44"	44"	44"	44"	44"
		Ends	44"		44"		44"		44"		44"
CHINA CLASH BRAMS OR WEB PLATES.	Number	5		6		4		1		6	
	Section and Scantlings	16 1/2 x 36		18 x 36		18 x 36		18 1/2 x 37		16 1/2 x 36	
	Material	4 angles 4 x 3 x 44		4 angles 4 x 3 x 44		4 angles 4 x 3 x 44		4 angles 4 x 3 x 44		4 angles 4 x 3 x 44	
* FORE AND AFTERS.	Number										
	Section and Scantlings	✓		✓		✓		✓		✓	
	Material										
Thickness		2 1/2"									
Remarks		SOLID									

* The depth of Fore and Afters should be stated from the underside of the hatch.

* 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.

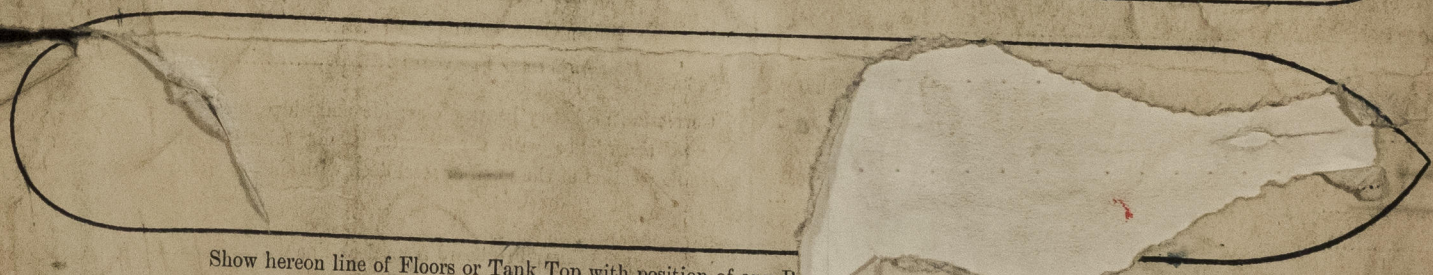
What is the thickness of the Bridge Sheerstrake? ☒ Strake between Main and Bridge Sheerstrakes? ☒

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					Sq. ft.
Area of Freeing Ports required by Para. 11 (e) each side of vessel					
Ft. Tenth.	Ft. Tenth.	No.			
x	x	x			
x	x	x			
			Freeing Ports (each side of vessel)		Sq. ft.
			Total deficiency or excess		Sq. ft.

Forecastle 42' 5" x 7' 10"

no openings through ship's side to affect position of load line.



Show hereon line of Floors or Tank Top with position of any Bulkheads; also note position of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *none*

Builder's name and yard number *Lithgow's Ltd. No 762. A preboard request is enclosed with this report.*

Names of sister vessels ☒

Owners *Nippon Yusen Kaisha*

Address *Yokohama*

Fee £ 13. 0. 0. ESTIMATED.

Received by me *See F.E. Report.*

