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Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS HAVING SPAR OR
 AWNING DECKS.

Port of Survey *Kobe*
 Date of Survey *April 1919*
 Name of Surveyor *A. Jones + A. Wate*

Kawasaki yard No. 450

Ship's Name. *Singapore maru* Port of Registry and Nationality. *Kobe Japanese* Official Number. *25441* Gross Tonnage. *3859* Date of Build. *1919* Particulars of Classification. *+100 ft. Awning on deck*

LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
385.0	51.0	25.6	4200
	51.2 ec.	Depth to tank 25.52	
384.6	Frame Depth 9 Rule 6/3	Ceiling 4.20 Sheer 4.88	Peak Tanks
	-5-	level tank	
384.6	50.57	26.68	4200

efficient of fineness *.81*
 modification necessary [Para. 4 (a) to (e)] *-0.02 D.B.*
 efficient as corrected *.79*

allowance for strength in excess of Lloyd's rules = *24"*

particulars—

*Strengthened topsides
 Deep bulb angle frames
 webs in lower decks.
 3 steel decks.*

Clear at Stem *110* at 1/4 length from Stem *61*
 Sternpost... *50* " " " Sternpost... *50*
 Drop in Sheer abaft amidships.....

Awning.
 End of Spar-deck Beam..... *12 3/4*
 " Main-deck " *12 3/4*

	Length	×	Height.	State if open or closed at ends.
recastle	"	×		
ridge	"	×		
top	"	×		

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 " " " ...

NOTE.—All vessels equal in strength to Lloyd's Spar-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for Ships of full scantlings to the upper deck, are to be considered as Spar-decked Ships, the freeboard for which will vary with their strength.
 All vessels equal in strength to Lloyd's Awning-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for a Spar-decked Vessel, are to be considered as Awning-decked Ships, the freeboard for which will vary with their strength.

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

Moulded Depth as measured *28' 0"* Main Deck.
 " " " *26' 0"* Awning Deck.

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

CORRECTION FOR LENGTH:—

Length of Ship on Load Line.... *384.6*
 Length in Table *396.0*
 Difference..... *48.6*
 Correction for 10ft..... *1.4*
 × Difference ÷ 10 = *3.4 = +3 1/2*

Height of 'Tween Decks..... *8' 0"*
 (From top of beam to top of beam at side)
 Correction for Height of 'Tween Decks in Spar-decked Ships.....

Freeboard Table B or C *3' 8 1/4"*
 Correction for Length..... *+3 1/2*
 Correction for Height of 'Tween Decks in Spar-decked Ships..... *3 - 11 3/4*
8 - 0
11 - 11 3/4
 Correction for Strength in excess of Lloyd's rules..... *take 5 - 2' 0"*
9 - 11 3/4

Correction for Iron Deck if required..... *-3 1/2*
 Other Corrections (if any)..... *Height Awning Deck +8.0*

Winter Freeboard..... *9' 8 1/4"*
 Summer Freeboard *9' 1 1/2"*
 Indian Summer Freeboard..... *8' 7 1/4"*
 N. A. Winter Freeboard.....

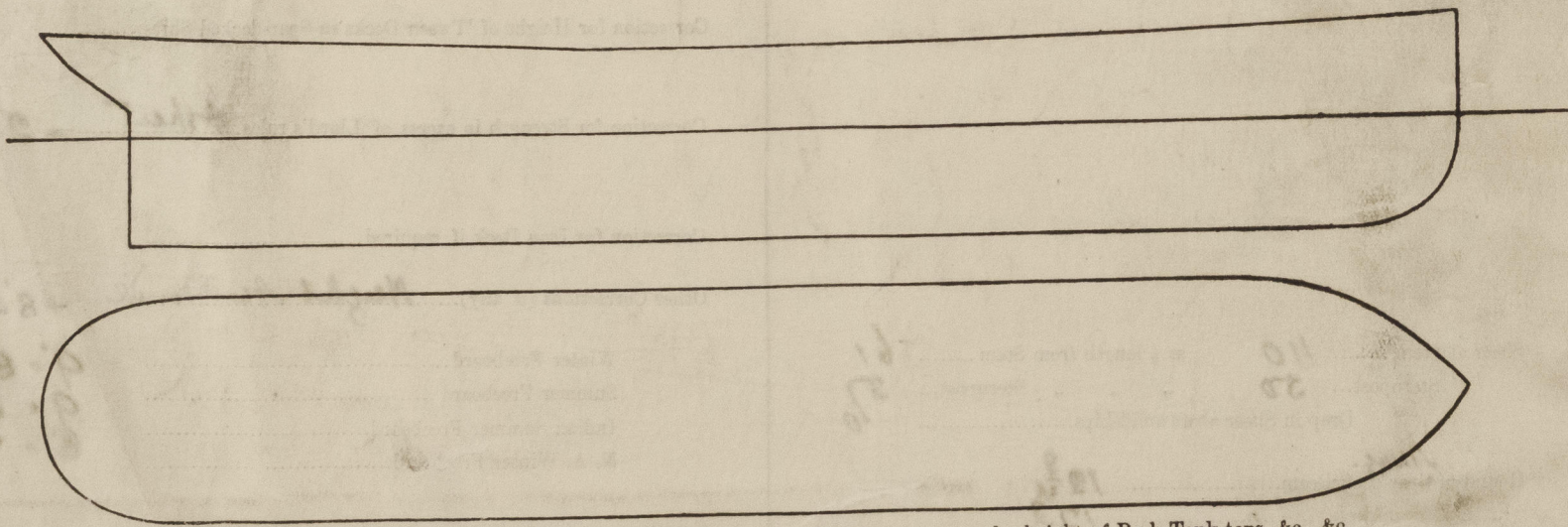
Correction necessary because clearside amidships measured in accordance with the Statute is not taken at inter-section of the wood or iron deck with side

Winter Freeboard from Deck Line *9' 10"*
 Summer " " " *9' 3 1/2"*
 Indian Summer " " " *8' 9"*
 N. A. Winter " " " *9' 3 1/2"*

Do all the Frames extend to the top Height in the Spar deck? Awning deck?
 Do all the Frames extend to the top height in the Poop? Bridge House? Forecastle?
 To what height do the Reverse Frames extend? *Main B.A. frames to 2nd & up 8 ft. alt. & intermediate frames to 1st D.K.*
 Has the Poop an efficient Iron Bulkhead at the fore end?
 Give particulars of the means for closing the openings in Bulkhead
 Is the Poop 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? Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?
 Are the Engine and Boiler openings covered by a Bridge, Poop, *Steel deck houses on awning deck.*
 or enclosed by a Strong Iron or Steel Deckhouse?
 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:—

Position and Size.		No. 1. 27' 7 1/2" x 18'-0"		No. 2. 31'-10 1/2" x 18'-0"		No. 3. 13'-9" x 16'-0"		No. 4. 31'-10 1/2" x 18'-0"		No. 5. 27'-7 1/2" x 18'-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	24	24	Same as No. 1.		Same as No. 1.		Same as No. 1.		Same as No. 1.	
	Sides	44	44								
	Ends	44	44								
SHIFTING BEAMS OR WEB PLATES	Number	5	5	6	6	2	2	6	6	5	5
	Section and Scantlings	18 x 36	14 x 34	18 x 36	14 x 34	16 x 32	12 x 32	Same as No. 1.		Same as No. 1.	
	Material	2 A. 4. 3. 44	4. 3. 44	2 A. 4. 3. 44	4. 3. 44	2 A. 3 1/2. 3. 42	3 1/2. 3. 42				
* FORE AND AFTERS	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness		3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
Remarks		All coaming stiffeners by hor. buck angles.									

* 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.)



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 *The 1904 rpt. is forwarded.*
The flr. recommended & marked is the same as assigned to the sister vessel "Argonne" (Robe Rpt 1941) Lon. let. 18 Feb 1916

Owners *Kawasaki K.K.*
 Address *Kobe*

Fee *yen 140*

Received by me

[Signature]



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