

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index No. 27085.
(For London Office only.)

AUG 25 1937.

Computation of Freeboard for Steamer, Sailing Ship, Tanker				Port of Survey <u>Kobe.</u>	
having <u>Poop, bridge and forecastle.</u>				Date of Survey <u>19th July, 1937.</u>	
(Type of Superstructures.)					
Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build	
<u>s/s "SHING HO"</u>	<u>Chinese Tsingtao</u>	<u>1758</u>	<u>4351</u>	<u>1918 10mo</u>	
Moulded Dimensions: Length		Breadth	Depth		
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					
Coefficient of fineness for use with Tables _____					
				Name of Surveyor <u>Y. Jo.</u>	
				Particulars of Classification <u>* 100 A.1.</u>	

<p style="text-align: center;">Depth for Freeboard (D)</p> <p>Moulded depth</p> <p>Stringer plate</p> <p>Sheathing on exposed deck</p> <p style="text-align: center;">$T \left(\frac{L-S}{L} \right) =$ _____</p> <p>Depth for Freeboard (D) = _____</p>	<p style="text-align: center;">Depth correction</p> <p>(a) Where D is greater than Table depth (D-Table depth) R = _____</p> <p>(b) Where D is less than Table depth (if allowed) (Table depth-D) R = _____</p> <p style="text-align: center;">If restricted by superstructures _____</p>	<p style="text-align: center;">Round of Beam correction</p> <p>Moulded Breadth (B)</p> <p>Standard Round of Beam = $\frac{B \times 12}{50} =$ _____</p> <p>Ship's Round of Beam = _____</p> <p>Difference _____</p> <p>Restricted to _____</p> <p>Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____</p>
---	--	---

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure _____
" overhang						" " R.Q.D. _____
R.Q.D. enclosed						Deduction for complete superstructure _____
" overhang						Percentage covered $\frac{S}{L} =$ _____
Bridge enclosed						" " $\frac{S_1}{L} =$ _____
" overhang aft						" " $\frac{E}{L} =$ _____
" overhang forward						Percentage from Table, Line A.
F'cle enclosed						(corrected for absence of forecastle (if required))
" overhang						Percentage from Table, Line B.
Trunk aft						(corrected for absence of forecastle (if required))
" forward						Interpolation for bridge less than 2L (if required)
Tonnage opening aft						Deduction = _____
" " forward						
Total						

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product	
A.P.		1				1		Mean actual sheer aft = _____
$\frac{1}{8}L$ from A.P.		4				4		Mean standard sheer aft = _____
$\frac{2}{8}L$ "		2				2		Mean actual sheer forward = _____
Amidships		4				4		Mean standard sheer forward = _____
$\frac{2}{8}L$ from F.P.		2				2		Length of enclosed superstructure forward of amidships = _____
$\frac{1}{8}L$ "		4				4		" " aft of " = _____
F.P.		1				1		
Total								

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ _____

If limited on account of midship superstructure. _____

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p style="text-align: right;">Ft.</p> <p>Depth to Freeboard Deck = _____</p> <p>Summer freeboard = _____</p> <p>Moulded draught (d) = _____</p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____</p> <p>Addition for Winter North Atlantic Freeboard (if required) = _____</p>	<p style="text-align: center;">Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line</p> <p>$\Delta =$ _____</p> <p>Tons per inch immersion at summer load water line</p> <p>T = _____</p> <p>Deduction = $\frac{\Delta}{40T}$ inches = _____</p>	<p style="text-align: center;">TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">+</th> <th style="width: 25%;">-</th> </tr> </thead> <tbody> <tr> <td>Depth Correction</td> <td></td> <td></td> </tr> <tr> <td>Deduction for superstructures</td> <td></td> <td></td> </tr> <tr> <td>Sheer correction</td> <td></td> <td></td> </tr> <tr> <td>Round of Beam correction</td> <td></td> <td></td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td></td> <td></td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">Summer Freeboard</td> <td></td> <td></td> </tr> </tbody> </table>		+	-	Depth Correction			Deduction for superstructures			Sheer correction			Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.			Summer Freeboard		
	+	-																								
Depth Correction																										
Deduction for superstructures																										
Sheer correction																										
Round of Beam correction																										
Correction for Thickness of Deck amidships																										
Other corrections, scantlings, etc.																										
Summer Freeboard																										

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	Tropical Fresh Water Freeboard
Fresh Water Line " "	Fresh Water " "
Tropical Line " "	Tropical " "
Winter Line below " "	Winter " "
Winter North Atlantic Line " "	Winter North Atlantic " "

L

R

Foundation

Lloyd's Register

Foundation

© 2020

For information 26-8-37.

Notes

J.P.B.

26-8-37.

16-11-37

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway									
Dimensions of Hatchway									
COAMINGS	Height above Deck								
	Thickness { Sides								
	{ Ends								
	Stiffeners								
Brackets, Stays									
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
Bearing Surface									
HATCH COVERS	Material								
	Thickness								
	How fitted								
	Bearing Surface								
Spacing of Cleats									
Number of Tarpaulins									

*Are wood fore and afters steel shod at all bearing surfaces?
 Are battens and wedges efficient and in good condition?
 Are tarpaulins in good condition and in accordance with rule requirements?
 Are lashings provided in accordance with rule requirements?

Particulars of fiddle, funnel and ventilator coamings :-

Particulars of Flush Bunker Scuttles :-

Particulars of Companionways :-

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :-

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :-

Particulars of Gangway Cargo and Coaling Ports :-

Particulars of Scuppers and Sanitary Discharge Pipes -

Particulars of Side Scuttles :-

Particulars of Guard Rails :-

Particulars of Gangways, Lifelines, etc. :-

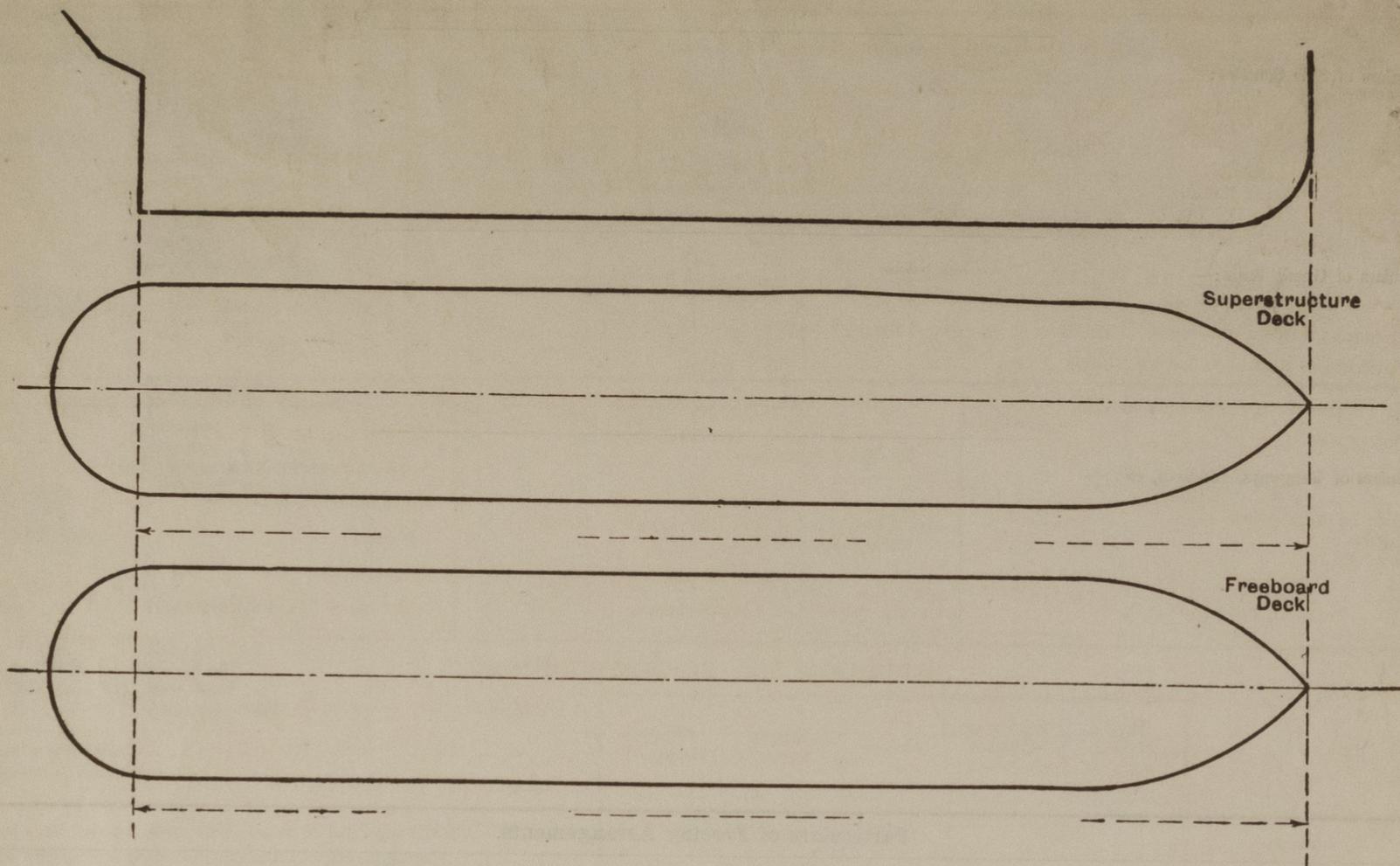
Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well						
Forward Well						

State position of each freeing port } After Well :-
 (F. and A. position and height above deck edge) } Forward Well :-
 State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :-
 Additional area where sheer is less than standard.

Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead								
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead	
Raised Quarter Deck Bulkhead	
Bridge, After Bulkhead	
Bridge, Forward Bulkhead	
Forecastle Bulkhead	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	
Exposed Machinery Casings on Superstructure Decks	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Deckhouses on Flush Deck Ships	

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



State any special features in the construction of the ship:—

Vessel now surveyed for Timber Freeboard in accordance with the regulations and the Secretary's cable dated 13th July, 1937.

Nos. 2 & 7 double bottom tanks have been divided on the middle line, Nos. 3, 4, 5 & 6 tanks were already divided. New sounding pipe fitted in No. 7 tank in shaft tunnel on port side.

The bulwark 4'-6" high have been examined and found of strong construction, with stays fitted 5'-2" apart at or near the beams.

Steering is effected by means of rods and chains on weather deck, these have been efficiently protected by strong stays. Alternative steering is effected by hand gears on poop deck.

Eye plates for lashing have been riveted to the sheer strake in the wells at intervals of 10'-0" or less, the ends being 3'-6" from the bulkheads.

Sockets for upright have been fitted.

Timber freeboard marks cut in and verified as per attached verification form.

Y. Go.

Builder's name and yard number

Names of sister ships

Owners

Fee £

Received by me



© 2020

Lloyd's Register
Foundation