

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

Depth for Freeboard (D)		Depth correction	Round of Beam correction
Moulded depth	40.75	(a) Where D is greater than Table depth (D-Table depth) R =	Moulded Breadth (B) 58.75
Stringer plate	60.05	(40.97 - 31.67) 3 = 27.9	Standard Round of Beam = $\frac{B \times 12}{50} = 14.10$
Sheathing on exposed deck	17	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Ship's Round of Beam = 14.50
$T \left(\frac{L-S}{L} \right) = \frac{3}{12} (1-30.56)$			Difference 40
Depth for Freeboard (D) =	40.97	If restricted by superstructures	Restricted to
			Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S}{L} \right) = \frac{40 \times 7708}{4 - 08}$

DEDUCTION FOR SUPERSTRUCTURES

Plotted

SHEER CORRECTION.

Station (aft) " (aft)	Standard Ordnate	S M	Product	Actual Ordnate	Effective Ordnate	S M	Product	Mean actual sheer aft = Defec
A.P. ...	575	1	5750	37½	375	1	3750	Mean actual sheer forward = Defec Mean standard sheer forward =
¼ L from A.P. ...	2559	4	10236	15"	13	4	5200	
¾ L " ...	632	2	1264	4	17	2	-340	Length of enclosed superstructure L forward of " " aft of
Amidships ...		4	-			4		
¾ L from F.P. ...	1264	2	2528	10½	148	2	2960	
¼ L " ...	5118	4	20472	42½	428	4	17120	
F.P. ...	11500	1	11500	103½	1035	1	10350	
Total ...			51750				39040	

Correction = Difference between sums of products $(75 - \frac{S}{21}) = \frac{1271175 - 1528}{18} = + 422$

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p style="text-align: center;"><i>IN WAY OF MARKING</i></p> <p>Depth to Freeboard Deck Δ = <u>41.00</u></p> <p>Summer freeboard = <u>11.96</u></p> <p>Moulded draught (d) = <u>29.04</u></p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = <u>7.26</u></p> <p>Addition for Winter North Atlantic Freeboard (if required) =</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line Δ = <u>18049</u></p> <p>Tons per inch immersion at summer load water line T = <u>57.39</u></p> <p>Deduction = $\frac{\Delta}{40T}$ inches = <u>7.86</u></p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient $\frac{789+68}{136}$</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="width: 10%; text-align: center;">+</th> <th style="width: 10%; text-align: center;">-</th> </tr> <tr> <td>Depth Correction</td> <td style="text-align: center;">27.90</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Deduction for superstructures</td> <td style="text-align: center;">-</td> <td style="text-align: center;">4.01</td> </tr> <tr> <td>Sheer correction</td> <td style="text-align: center;">4.22</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Round of Beam correction</td> <td style="text-align: center;">-</td> <td style="text-align: center;">.08</td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td style="text-align: center;">.36</td> <td></td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td style="text-align: center;">12.71</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">4519</td> <td style="text-align: center;">4.09 + 41.10</td> </tr> <tr> <td></td> <td colspan="2" style="text-align: center;">Summer Freeboard = <u>143.50</u></td> </tr> </table>		+	-	Depth Correction	27.90	-	Deduction for superstructures	-	4.01	Sheer correction	4.22	-	Round of Beam correction	-	.08	Correction for Thickness of Deck amidships36		Other corrections, scantlings, etc.	12.71			4519	4.09 + 41.10		Summer Freeboard = <u>143.50</u>	
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ^{2 1/2'} Wood, ~~Steel~~, Deck:—

Tropical Fresh Water Line above Centre of Disc	...15"
Fresh Water Line	...73/4"
Tropical Line	...7 1/4"
Winter Line	below 7 1/4"
Winter North Atlantic Line	... — "

Tropical Fresh Water Freeboard ...	10 - 8 1/2
Fresh Water	11 - 3 3/4
Tropical	11 - 4 1/4
Winter	12 - 6 3/4
Winter North Atlantic	

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway	...	...	h ¹ . U ¹ B*	h ² W ² *	h ³ U ³ B*	h ⁴ U ⁴ B*	h ⁵ U ⁵ B*		
Dimensions of Hatchway	...	...	11'-0" x 11'-3"	14' x 11'	14' x 11'	14' x 11'	14' x 11'		
COAMINGS	Height above Deck	...	24	18	18	18	18		
	Thickness	...	44	44					
	Sides	...	44	44					
	Stiffeners	...	44	44					
	Brackets, Stays	...	4 1/2 A	-					
HATCH BEAMS	Number	...	1	2					
	Spacing	...	5'-7 1/2"	4'-8"					
	Scantling and Sketch	...	3 x 3 x 40	3 x 3 x 40					
	Bearing Surface	...	5 x 5 x 46	5 x 3 1/2 x 46					
FORE AND AFTERS	Number	...							
	Spacing	...							
	Unsupported Lengths	...							
	Scantling* and Sketch	...							
	Bearing Surface	...							
HATCH COVERS	Material	...	Pine	Pine					
	Thickness	...	3	3					
	How fitted	...	4 x 2	4 x 2					
	Bearing Surface	...	3"	3"					
Spacing of Cleats	...	...	20"	24"					
Number of Tarpaulins	...	...	2	2					

✓ Laddley gratings fitted with hinged plate covers ✓
✓ Engine Skylights of steel strongly constructed ✓
✓ Ventilator & funnel coamings in efficient condition ✓

None

Steel House 40 ft.:- 2 hinged wood doors 5' x 8'-10"; 12" sill, operated from both sides
 " Hood Comp: 40 ft 2 " steel " " " "
 + 6. of B's Casing with wood door 5' x 2', 15" sill, operated from both sides -
 all of " " " " " "
 t House Afr:- with 3 wood doors 5'-3" x 2'-0", 12" " " " "

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

Yoke decks:- 1 w 18" x 36" high to hold
2 w 15" x 36" " " Sun D.
1 MV 12" x 10" " " Yp. Stk
1 w 18" x 30" " " Gold
1 w 12" x 25" " " Sun D.
3 w 12" x 36" " " "
1 w 9" x 36" " " "
2 w 8" x 36" " " "
1 MV 8" x 12" " " "

Aft. Decks:- 1 S.N. 7" x 4" x 14" high to Sun D.
6 w 12" x 30" " " "
4 w 9" x 30" " " "
2 w 18" x 30" " " "
1 w 9" x 26" " " "

All Vents fitted with wood plugs

All Vents fitted with wood plugs & canvas covers.

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

Fore Deck:- 100' x 16' high to 4 ft.
110' x 16' " " " " " " " " " " " "

Aft. Deck:- 180' x 16' " " " " " " " " " " " "

Bridge B^r.:-
40' x 17' high to 4 ft. Lanks
20' x 17' " " " " " "
20' x 15' " " " " " "

Air Pipes fitted with canvas covers.

" Oil Bunkers

None.

Particulars of Scuppers and Sanitary Discharge Pipes :—

Discharges from all spaces above and below the freeboard deck led below the freeboard deck & fitted with storm valves at ship side and flap valves at unmet ends ✓ ✓

Particulars of Side Scuttles :—

Below Keelboard deck fitted with permanent hinged deadlights or plugs
Above " " " " portable plugs. ✓

Particulars of Guard Rails :—

Particulars of Gangways, Lifelines, etc. :—

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	15" x 32	26	3 x 2½ x 34	32"	Riv'd to deck angles	Open alleyways	—	8'-0"
Bridge, Forward Bulkhead	15" x 48	44	8½ x 3½ x 50 BA	24" x 36"	Lugs T & B	205'-6" x 2'-0"	12"	8'-0"
Forecastle Bulkhead								
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or raised Quarter Deck ...	15" x 36	34	3½ x 3 x 36	33	Contin'd	205'-0" x 2'-0"	14	8'-0"
Exposed Machinery Casings on Superstructure Decks	12 x 36	34	3½ x 3 x 36	33	"	205'-9" x 2'-1"	13	7'-9"
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	—	3" Shifting Boards 27" high in riveted channels.
Raised Quarter Deck Bulkhead ...	—	2 hinged steel doors (in 2 halves) operated from both sides ✓
Bridge, After Bulkhead		
Bridge, Forward Bulkhead		
Forecastle Bulkhead	—	2 Steel Doors (in 2 halves) to & R. Operated from both sides. ✓
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	B.R.	
Exposed Machinery Casings on Super-structure Decks		2 Hinged Steel doors Operated from both sides. ✓
Machinery Casings within Superstruc-tures not fitted with Class I Closing Appliances		
Deckhouses on Flush Deck Ships ...		

Small Hatches:-

This survey was carried out afloat. The vessel being laid up.
The S.S. No. 1 is complete except for the testing of No. 4 Deep Tank and the 7.6 knots
will be completed before the vessel is again commissioned.

OWNERS

Telegraph. Construction & Maintenance Co. (Sir G. R. Clarke Mgr.)

Fee £

Received by me