

N<sup>o</sup> 21642

## DEDUCTION FOR SUPERSTRUCTURES.

Standard Height of Superstructure 2290 ✓  
 " " R.Q.D.  
 Deduction for complete superstructure 1067 ✓  
 Percentage covered  $\frac{S}{L} = 47.93$   
 " "  $\frac{S_1}{L} = 47.91$   
 " "  $\frac{E}{L} = 47.91$   
 Percentage from Table, Line A.  
 (corrected for absence of forecastle (if required))  
 Percentage from Table, Line B. 3422  
 (corrected for absence of forecastle (if required))  
 Interpolation for bridge less than 2L (if required)  
 Deduction =  $3422 \times 1067 = 365$  ✓

SHEER FORWARD

$$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} = \text{DEFICIENT.}$$

$$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} = .938$$

$$\frac{\text{Length of enclosed superstructure}}{L} \text{ forward of amidships} =$$

$$\left. \begin{array}{l} \text{,, ,, aft of ,,} = \end{array} \right\} \text{SHEER DEFICIENT.}$$

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) = \frac{1086}{18} \left( .75 - .2396 \right) = +31$$

If limited on account of midship superstructure.

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

<p><b>Deduction for Tropical Freeboard.</b></p> <p><b>Addition for Winter and Winter North Atlantic Freeboard.</b></p> <p>Depth to Freeboard Deck = <math>\frac{\text{Ft.}}{12} 205</math></p> <p>Summer freeboard = <math>2870</math></p> <p>Moulded draught (d) = <math>9.335</math></p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = <math>\frac{d}{48}</math> inches = <math>19 \text{ cms.}</math></p> <p>Addition for Winter North Atlantic Freeboard (if required) =</p>	<p><b>Deduction for Fresh Water.</b></p> <p>Displacement in salt water at summer load water line</p> <p><math>\Delta = 20375 \text{ M}^3</math></p> <p>Tons per inch immersion at summer load water line</p> <p><math>T = 61.6</math></p> <p>Deduction = <math>\frac{\Delta}{40 T}</math> inches = <math>21 \text{ cms.}</math></p>	<p><b>TABULAR FREEBOARD</b> corrected for Flush Deck (if required)</p> <p>Correction for coefficient <math>\frac{75+68}{136} \quad \frac{1.43}{1.36}</math></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td></td> <td>+</td> <td>-</td> </tr> <tr> <td>Depth Correction ... ..</td> <td>568</td> <td>-</td> </tr> <tr> <td>Deduction for superstructures ... ..</td> <td>-</td> <td>365</td> </tr> <tr> <td>Sheer correction ... ..</td> <td>31</td> <td>-</td> </tr> <tr> <td>Round of Beam correction ... ..</td> <td>11</td> <td>-</td> </tr> <tr> <td>Correction for Thickness of Deck amidships ... ..</td> <td>-</td> <td>26</td> </tr> <tr> <td>Other corrections, scantlings, etc. ... ..</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td><u>610</u></td> <td><u>391</u></td> </tr> </table> <p>Summer Freeboard = <math>2873</math></p>		+	-	Depth Correction ... ..	568	-	Deduction for superstructures ... ..	-	365	Sheer correction ... ..	31	-	Round of Beam correction ... ..	11	-	Correction for Thickness of Deck amidships ... ..	-	26	Other corrections, scantlings, etc. ... ..	-	-		<u>610</u>	<u>391</u>
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc	...	...	40	Tropical Fresh Water Freeboard	...	...	24
Fresh Water Line	"	"	21	Fresh Water	"	...	266
Tropical Line	"	"	19	Tropical	"	...	268
Winter Line	"	"	19	Winter	"	...	306
Winter North Atlantic Line	"	"	✓	Winter North Atlantic	"	...	✓



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

		forewell and well aft.						main deck	
HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS		I	II	III	IV	V	VI	III	
Description of Hatchway									
Dimensions of Hatchway		22'6" x 20'0"	30'7" x 20'0"	22'0" x 20'0"	11'0" x 20'0"	30'4" x 20'0"	24'10" x 20'0"		
COAMINGS	Height above Deck	3'6"	3'6"	3'6"	3'6"	3'6"	3'6"	2'9" x 5'2" x 5'0"	
	Thickness	.44	.44	.44	.44	.44	.44		
	Stiffeners	2'9" x 3'2" x 5'0"	2'9" x 3'2" x 5'0"	2'9" x 3'2" x 5'0"	2'9" x 3'2" x 5'0"	2'9" x 3'2" x 5'0"	2'9" x 3'2" x 5'0"		
	Brackets, Stays	2	3	3	3	3	3		
HATCH BEAMS	Number	5	9	5	1	7	5	5	
	Spacing	44" x 9"	44" x 9"	30" x 9"	48" x 9"	44" x 9"	44" x 9"	55" x 10"	
	Scantling and Sketch	7/8	3/4	3/8	3/8	3/4	3/4	100" x 75" x 11"	
	Bearing Surface	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
HATCH COVERS	Material	fine						fine	
	Thickness	3						3	
	How fitted	longitudinally						longitudinally	
	Bearing Surface	4+3						14+3	
Spacing of Cleats		24"						24"	
Number of Tarpaulins		3						3	

Particulars of fiddle, funnel and ventilator coamings:— motor casing enclosed by bridge and strong casing top on boat deck and ventilators steel house and funnel strongly constructed. shielded with steel hinged flaps. steel hinged covers over openings.

Particulars of Flush Bunker Scuttles:— none fitted

Particulars of Companionways:— In deck house aft on poop entrance to store wood down on hinges 1 1/2" 5'4" x 26" till 18"

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:—  
 On forewell 2 ventilators 30'0" x 24" x 50" supported. 2 ventilators 30'0" x 24" x 50" stages.  
 In well fore. 1 Ventilator 36" x 16" x 40" 1 Ventilator 36" x 16" x 40"  
 2 Ventilators 36" x 24" x 42" 2 Ventilators 36" x 16" x 40"  
 2 Ventilators 36" x 12" x 40" 2 Ventilators 36" x 12" x 40"  
 2 Ventilators 30'0" x 24" x 50" stages. 2 Ventilators 30'0" x 24" x 50" stages.  
 2 Ventilators 15'0" x 24" x 40" 2 Ventilators 15'0" x 24" x 40"  
 2 " 36" x 24" x 42" 2 " 36" x 24" x 42"  
 2 " 36" x 16" x 40" 2 " 36" x 16" x 40"  
 2 " 36" x 12" x 40" 2 " 36" x 12" x 40"

Particulars of Gangway Cargo and Coaling Ports:—  
 On forewell 2 goosenecks height 36" They are closed by steel lines  
 In forewell 4 " " 36" and part of them by wood  
 On bridge 10 " " 26" plugs and canvas covers.  
 In well aft 14 " " 36" to 32"  
 On poop 1 " " 36"  
 In bridge space on P.S. and S.B. a strong cargo port fitted 6'0" x 6'0" waterproof construction with strong bars and bolts at side.

Particulars of Scuppers and Sanitary Discharge Pipes:— 4 scuppers in forewell; 5 scuppers in well aft.  
 Sanitary discharging pipes of metal with non return valves.  
 4 on P.S. and 5 on S.B.

Particulars of Side Scuttles:— Side scuttles in poop space with hinged deadlights.

Particulars of Guard Rails:— Steel bulwark in forewell and well aft, height 4'6" x 28  
 Stanchions 1 1/2" x 40" distance 5'6"  
 On bridge, poop and forecastle open rail height 4'0" 4 rows  
 Stanchions distance 5'8"

Particulars of Gangways, Lifelines, etc.:— fitted in well

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	143.32'	4.5'	3.0 x 1.58	7	33.18'	28 1/4'
Forward Well	111.83'	4.5'	3.0 x 1.58	5	23.70'	22 1/4'

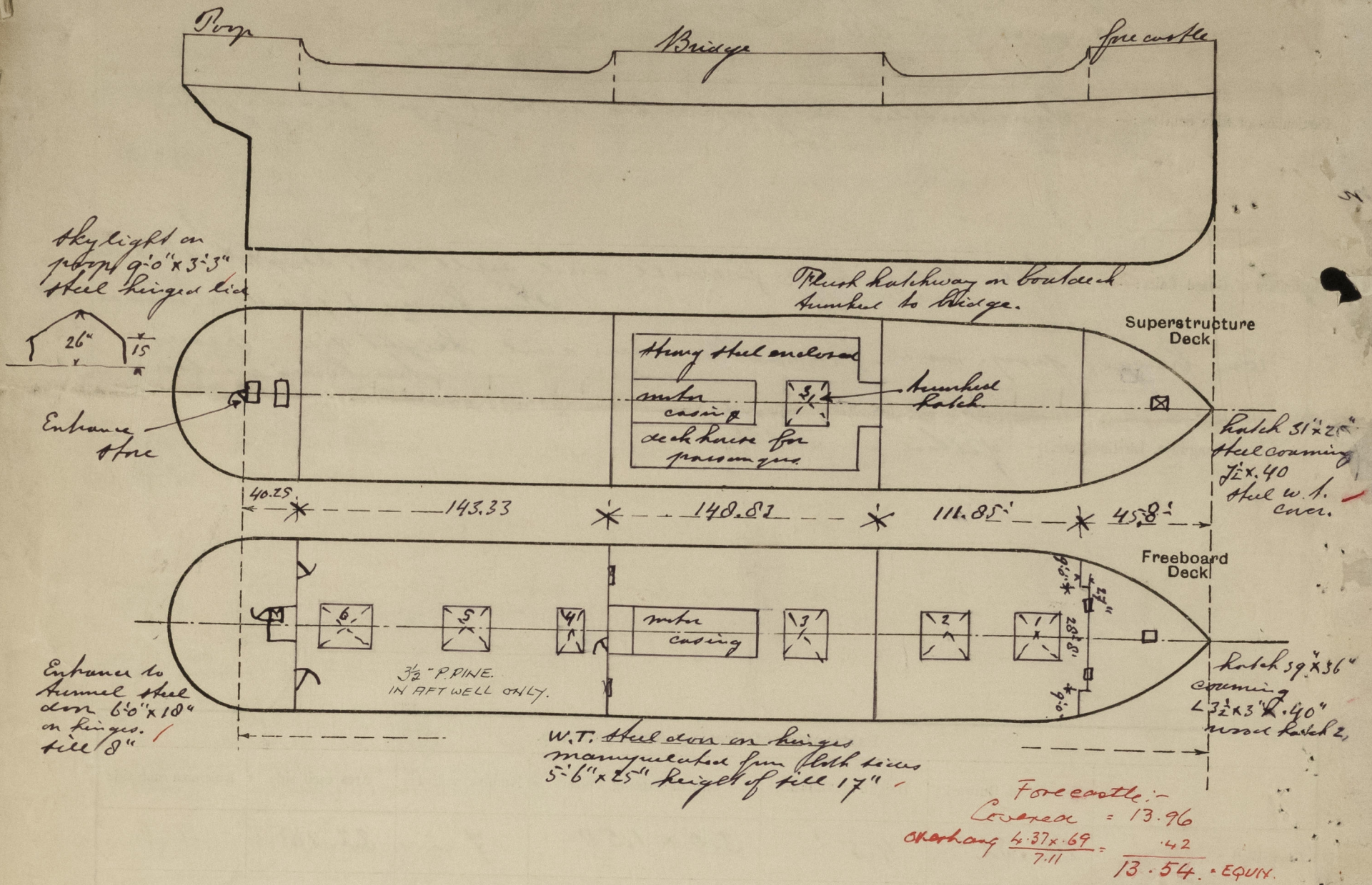
State position of each freeing port ... After Well:— 12"  
 (F. and A. position and height above deck edge) Forward Well:— 12"  
 State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— open 2 rows.  
 Additional area where sheer is less than standard.

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	10'	9'	150 x 75 x 10	760'	lugs	5'3" x 28"	18'	
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead	10'	9'	110 x 75 x 8	760'	none	5'9" x 5'5"	17'	
Bridge, Forward Bulkhead	11'	10'	250 x 90 x 11	760'	lugs	5'7" x 2'8"	18'	
Forecastle Bulkhead	8'	8'	110 x 75 x 12	760'	none	5'5" x 4'1"	17'	
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks	10'	7'	130 x 65 x 10 ± 840	none	6'6" x 28 1/2"	16'		
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	10'	7'	130 x 65 x 10 ± 840					
Deckhouses on Flush Deck Ships								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead	Steel w. A. doors on hinges manipulated from both sides
Raised Quarter Deck Bulkhead	
Bridge, After Bulkhead	Word shifting boards in channels for full height of opening
Bridge, Forward Bulkhead	Steel w. A. doors on hinges manipulated from both sides
Forecastle Bulkhead	Word shifting boards in channels for full height of opening
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	Steel door on hinges manipulated from both sides.
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:—

This vessel has been examined afloat.

Obtained from builders.

Displacement on summerdraught 20375 ton = MS

Tons per inch = 61.6 MS.

This vessel is carrying more than 12 passengers.

Builder's name and yard number N.V. Wilton's Mach. fabriek en Scheepswerf.

Names of sister ships Holland Amerika Lijn Siskewene Damsterdigh

Owners K.M. Rep N: 21590

Fee of 204.00 will be Received by me J. v. Herwerden  
Expenses of 1.00



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