

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

30 JAN 1923

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having Forecastle

Port of Survey Port

(Type of Superstructures.)

Ship's Name  
BOIS-SEUL

Nationality and Port of Registry  
French  
LE HAYRE

Official Number

Gross Tonnage  
6.554

Date of Build  
1919  
-12

Date of Survey 26<sup>th</sup> January 1923

Name of Surveyor P. J. Letae

Moulded Dimensions: Length 411.6 Breadth 55.458 Depth 38' 1 1/2"

Moulded displacement at moulded draught = 85 per cent. of moulded depth. tons

Particulars of Classification 1000T. Shells. S. with 12.31  
5th Av. No 3 - 12.31

Coefficient of fineness for use with Tables. \_\_\_\_\_

Depth for Freeboard (D)

Moulded depth ... ..

Stringer plate ... ..

Sheathing on exposed deck  
 $T \left( \frac{L-S}{L} \right) =$

Depth for Freeboard (D) = \_\_\_\_\_

Depth correction

(a) Where D is greater than Table depth  
(D - Table depth) R = \_\_\_\_\_

(b) Where D is less than Table depth (if allowed)  
(Table depth - D) R = \_\_\_\_\_

If restricted by superstructures \_\_\_\_\_

Round of Beam correction

Moulded Breadth (B)

Standard Round of Beam =  $\frac{B \times 12}{50} =$

Ship's Round of Beam = \_\_\_\_\_

Difference \_\_\_\_\_

Restricted to \_\_\_\_\_

Correction =  $\frac{\text{Diff}}{4} \times \left( 1 - \frac{S_1}{L} \right) =$

### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..					
" overhang ... ..					
R.Q.D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed... ..					
" overhang aft ... ..					
" overhang forward ... ..					
F'cle enclosed ... ..	<u>40'</u>				
" overhang ... ..					
Trunk aft ... ..					
" forward ... ..					
Tonnage opening aft ... ..					
" " forward ... ..					
Total ... ..					

Standard Height of Superstructure \_\_\_\_\_

" " R.Q.D. \_\_\_\_\_

Deduction for complete superstructure \_\_\_\_\_

Percentage covered  $\frac{S}{L} =$

" "  $\frac{S_1}{L} =$

" "  $\frac{E}{L} =$

Percentage from Table, Line A.  
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.  
(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = \_\_\_\_\_

### SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ... ..		1					1		
$\frac{1}{4}$ L from A.P. ... ..		4					4		
$\frac{3}{4}$ L " ... ..		2					2		
Amidships ... ..		4					4		
$\frac{3}{4}$ L from F.P. ... ..		2					2		
$\frac{1}{4}$ L " ... ..		4					4		
F.P. ... ..		1					1		
Total ... ..									

Mean actual sheer aft = \_\_\_\_\_

Mean standard sheer aft = \_\_\_\_\_

Mean actual sheer forward = \_\_\_\_\_

Mean standard sheer forward = \_\_\_\_\_

Length of enclosed superstructure forward of amidships = \_\_\_\_\_

" " aft of " = \_\_\_\_\_

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 1/2 ins. per 100 ft. \_\_\_\_\_

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = \_\_\_\_\_ Ft.

Summer freeboard = \_\_\_\_\_

Moulded draught (d) = \_\_\_\_\_

Deduction for Tropical freeboard and addition for Winter freeboard =  $\frac{d}{4}$  inches = \_\_\_\_\_

Addition for Winter North Atlantic Freeboard (if required) = \_\_\_\_\_

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta =$

Tons per inch immersion at summer load water line

T = \_\_\_\_\_

Deduction =  $\frac{\Delta}{40 T}$  inches = \_\_\_\_\_

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

	+	-
Depth Correction ... ..		
Deduction for superstructures ... ..		
Sheer correction ... ..		
Round of Beam correction ... ..		
Correction for Thickness of Deck amidships ... ..		
Other corrections, scantlings, etc. ... ..		

Summer Freeboard = \_\_\_\_\_

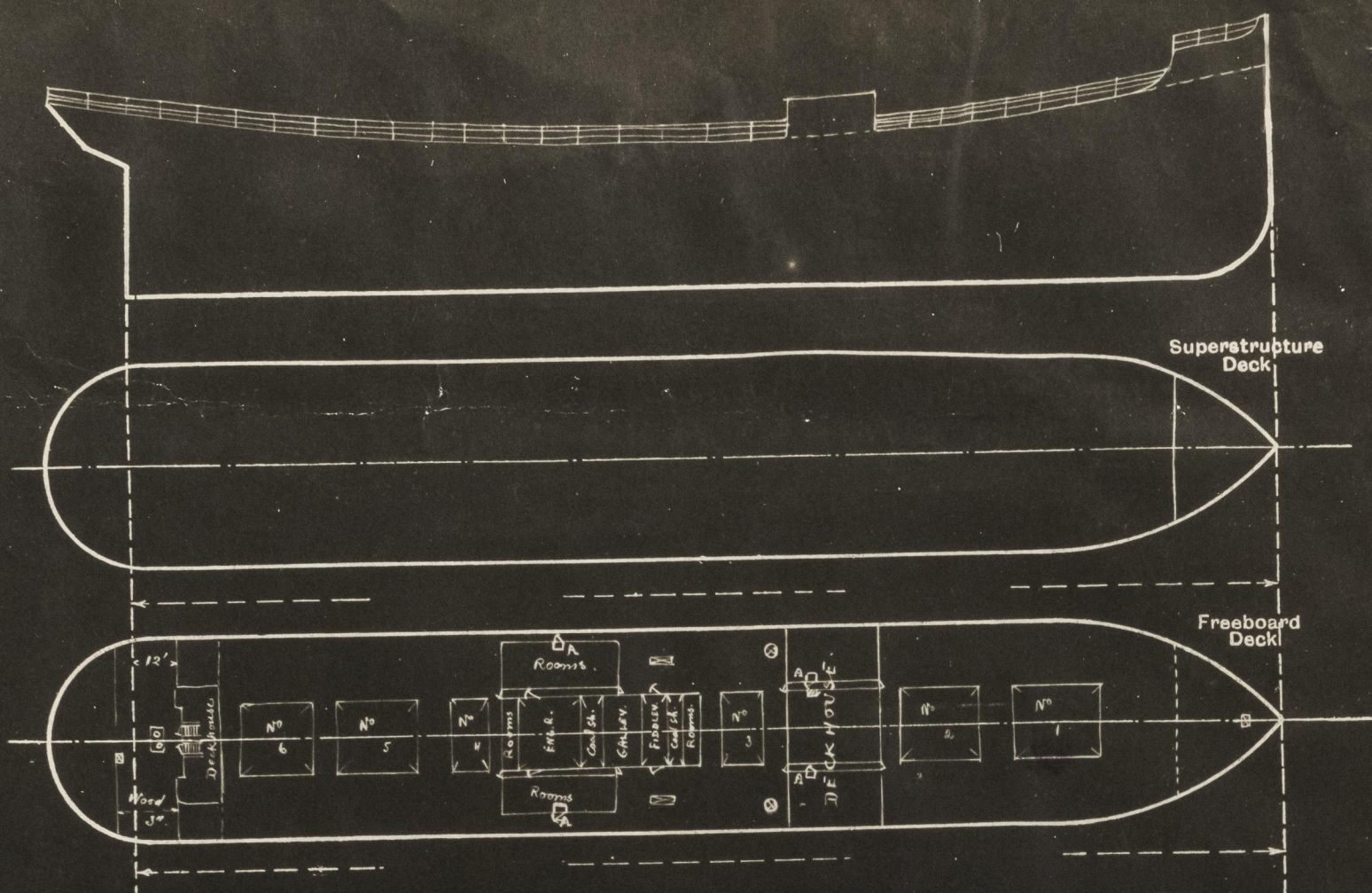
### SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

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 " " ... ..	





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 shown on the following sketches:—



A. Escape trunks from holds. Opening in casing 60" x 24", all 20" above deck.  
 Hinged steel watertight doors, with 8 handles manipulated from the outside.

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

The survey has been held afloat and no part of the special survey has been carried out.  
 The vessel is going from Ghent to Cardiff, where the Owners request the new certificates be handed over. —

*Thetis*

Builder's name and yard number *Furness, S.B.C. Ltd. Middlesbrough.*

Names of sister ships

Owners *Warrimut J. Seddet Chair S.A.R.E.*

Fee *£ 1160.* *28/1/33* Received by me

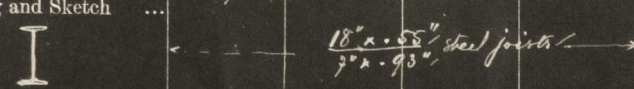


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# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS										
Description of Hatchway		On Fore Deck		On Vooat Deck		On Fore Deck		On Vooat Deck		Remarks
Dimensions of Hatchway		N <sup>o</sup> 1	N <sup>o</sup> 2 & 5	N <sup>o</sup> 3 & 4	N <sup>o</sup> 6	Coal Chute	After Coal Stk	Side Bulkheads	End Bulkheads	
COAMINGS	Height above Deck	28'6" x 19'9"	29'2" x 19'9"	14'7" x 19'9"	26'3" x 19'9"	5'0" x 18'0"	5'6" x 18'0"	5'0" x 3'6"	5'6" circular	
	Thickness	5"	5"	4 1/2"	5 1/2"	1 1/2"	1 1/2"	3/4"	3/4"	
	Stiffeners	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	
	Brackets, Stays	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	2 7/8" x 8" all round	
HATCH BEAMS	Number	4	4	4	4					
	Spacing	5'9"	5'10"	4'10"	5'3"					
	Scantling and Sketch									
	Bearing Surface	3"								
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths									
	Scantling and Sketch	None								
HATCH COVERS	Material					Wood				
	Thickness					3"				
	How fitted					Fore and aft				
	Bearing Surface					2 1/2"				
Spacing of Cleats						24"				
Number of Tarpaulins						2				

Particulars of fiddle, funnel and ventilator coamings:— 2 ventilators 30" dia. to b. R. 20" to b. R. 20" to b. R. All fiddle openings are provided with hinged steel covers. Height of fiddle top 4'6" above deck.

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways:— In Deck House after end of shelter deck, to crew's accommodation. Steel deck house openings in after side 6'5" x 2'9". sill 12" above wood deck. Hinged steel doors manipulated from both sides.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:— On Fore Deck 1 off 8" dia x 30" casing x 26" 2" 18" x 36" x 140" On Fore Deck 10" 18" x 36" x 140" 2" 18" x 36" x 140" 1" 24" x 48" x 32" at after end 7" 42" x 24" x 32" All ventilators provided with wood plugs & canvas covers.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— Steel pipes 2 1/2" dia. 24" to 42" high. No means of closing provided.

Particulars of Gangway Cargo and Coaling Ports:—

Particulars of Scuppers and Sanitary Discharge Pipes — no scuppers or discharge pipes from spaces below the freeboard deck.

Particulars of Side Scuttles: 10" scuttles in Forecastle 9" " in Casework after end of shelter deck. with steel covers permanently attached.

Particulars of Guard Rails:— On Fore Deck 36" 1" bar 18" 3/4" bar 12" 3/4" bar On Fore Deck clear of Deck House 36" 1" bar 18" 3/4" bar 12" 3/4" bar Stanchions 1 1/2" spaced 60"

Particulars of Gangways, Lifelines, etc.:— Provision made for rigging lifelines forward and aft P.S. on the shelter deck

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 (F. and A. position and height above deck edge) After Well:— 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						60" x 24"	18"	9'6"
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	