

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD.

Index No. 18631
(For London Office only.)

28576
No
30 JAN 1923

Computation of Freeboard for Steamer, Sailing Ship, Tanker
having Forecastle

Port of Survey Pointe

AFRICAN MARINER (Type of Superstructures.)

Date of Survey 25 January 1923

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

OK BOIS-SOLEIL

French
LE HAVRE

6.554

1919
-12

Name of Surveyor P. J. Letac

Moulded Dimensions: Length 111.6 Breadth 55.458 Depth 38' 11/2"
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons
Coefficient of fineness for use with Tables

Particulars of Classification 11000A. Shells etc. with 12.31
Settan. No 3 - 12.31

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	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		
$\frac{1}{6}L$ from A.P.		4					4		
$\frac{2}{6}L$ "		2					2		
Amidships		4					4		
$\frac{2}{6}L$ from F.P.		2					2		
$\frac{1}{6}L$ "		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 = $\frac{\Delta}{40T}$ 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 " "

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

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

Table with columns for Hatchway Description, Dimensions, Coamings, Hatch Beams, Fore and Afters, Hatch Covers, and Spacing of Cleats. Includes handwritten notes and a small sketch of a hatch beam.

Particulars of fiddle, funnel and ventilator coamings: 2 ventilators 30" dia. to P.R. & R. Steel skylights with flap covers and ball caps. All fiddle openings are provided with hinged steel covers.

Particulars of Flush Bunker Scuttles: (checked)

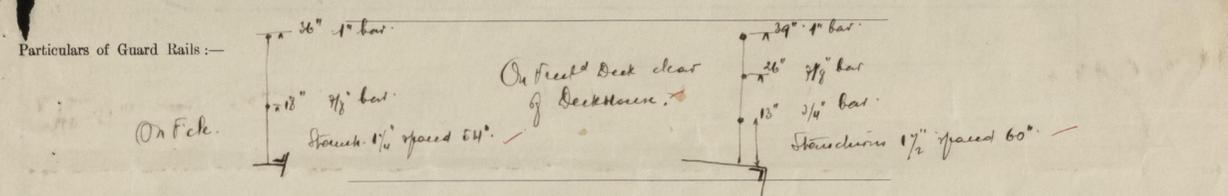
Particulars of Companionways: In Deck House after end of shelter deck, to crew's accommodation. Steel deck house openings in after side 65" x 29".

Particulars of Ventilators in exposed positions on freeboard and superstructure decks: On Fore Deck 1 of 8" dia x 30" coaming x 26" x 2" 18" x 36" x 40". On Deck Deck 10 of 18" x 36" x 40" x 18" x 9'6" x 40" attached to deckhouse top deck.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks: Steel pipes 2 1/2" dia. 24" to 42" high. Efficient means of closing provided.

Particulars of Gangway Cargo and Coaling Ports: (checked)

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



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

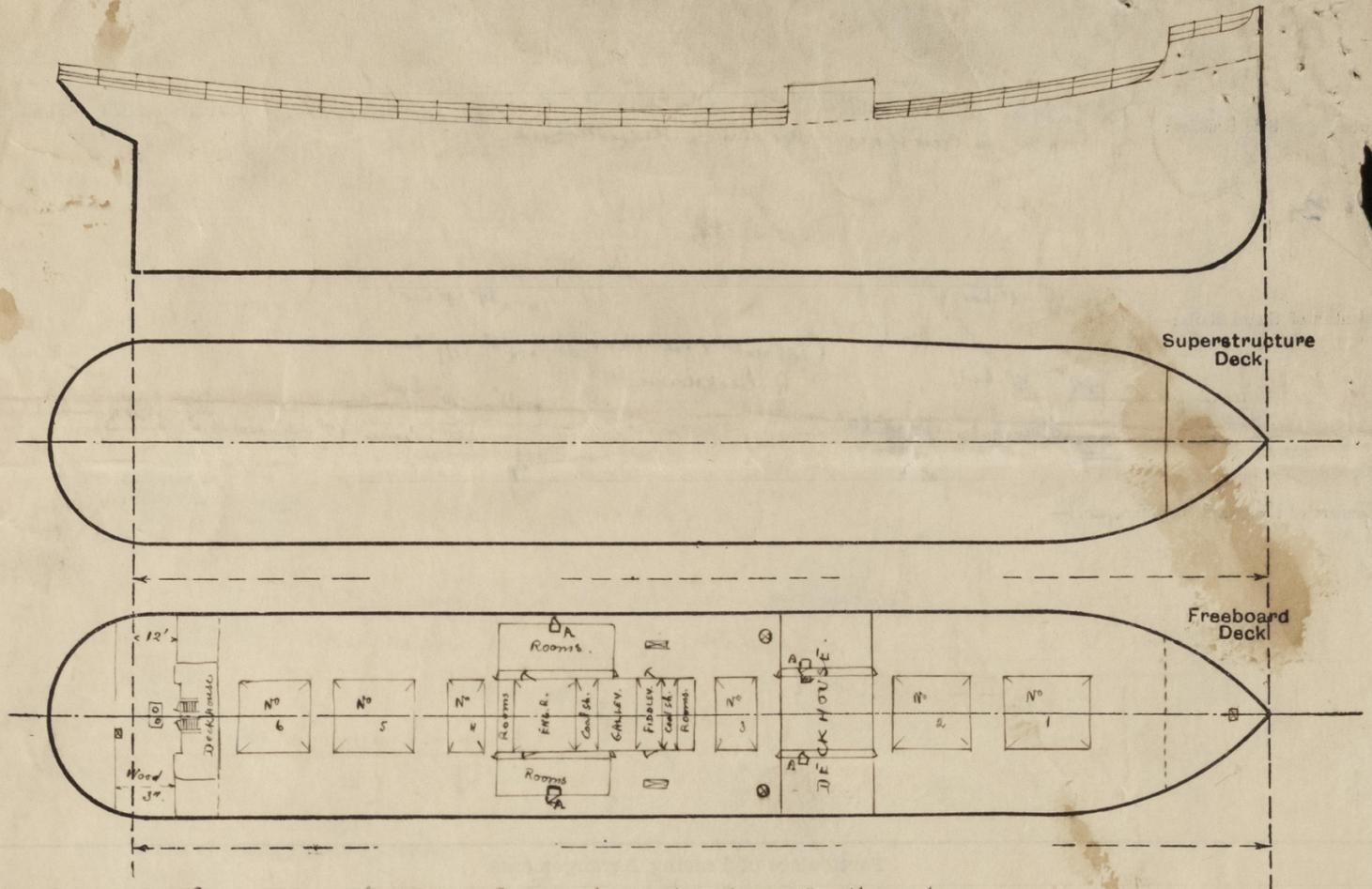
Table: Particulars of Freeing Arrangements. Columns: Length of Bulwark, Height of Bulwark, Size of Freeing Ports, Number each side, Area each side, Rule area each side. Includes handwritten notes for After Well and Forward Well.

Table: Particulars of Superstructures, Trunks, Casings, Deckhouses. Columns: Coaming, Plating, Stiffeners, Spacing, End Attachments of Stiffeners, Size of Openings, Height of Sills, Height of Casings. Includes handwritten notes for Forecastle Bulkhead and Exposed Machinery Casings.

Table: Particulars of Closing Appliances (state if capable of being manipulated from both sides). Columns: 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.

B. a. Soleil

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:—



A. Escape trunks from holds. Opening in casing 60" x 24", all 20" above deck.
Riveted 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 *Armement J. Leddet Chaix S.A.R.L.*

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

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Foundation