

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD.

Index. No. 18431
(For London Office only.)

30 JAN 1923

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having Forecastle

Port of Survey Freeport

"AFRICAN MARINER" (Type of Superstructures.)
Ship's Name AFRICAN MARINER
Nationality and Port of Registry French LE HAVRE
Official Number 6554
Gross Tonnage 6554
Date of Build 1919-12

Date of Survey 25th January 1930

Name of Surveyor P. J. Letac

Moulded Dimensions: Length 411.6 Breadth 55.458 Depth 38' 1 1/2"
Moulded displacement at moulded draught = 85 per cent. of moulded depth
Coefficient of fineness for use with Tables

Particulars of Classification 1000H. Shell & 4th with 1st 12.31
55Hav. N°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)
Keel plate ...	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =	Standard Round of Beam = $\frac{B \times 12}{50}$ =
Plating 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 = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S}{L} \right) =$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S _i)	Height	Height Correction	Effective Length (E)
Poop enclosed ...					
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward ...					
Forecastle 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 $\frac{S}{L} =$

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

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

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
...	...	1					1		
From A.P.	4					4		
"	2					2		
ships	4					4		
From F.P.	2					2		
"	4					4		
...	...	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 = Difference between sums of products $\left(\frac{75-S}{2L} \right) =$

If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Correction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Correction for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient
Depth to Freeboard Deck = Ft.	$\Delta =$	Depth Correction ...
Summer freeboard =	Tons per inch immersion at summer load water line	Deduction for superstructures ...
Moulded draught (d) =	T =	Sheer correction ...
Correction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =	Deduction = $\frac{\Delta}{40 T}$ inches	Round of Beam correction ...
Correction for Winter North Atlantic Freeboard (if required) =		Correction for Thickness of Deck amidships
		Other corrections, scantlings, etc. ...
		Summer Freeboard =

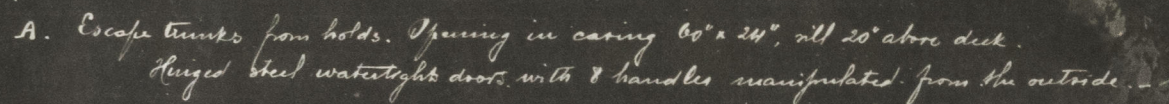
SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck

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	"

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Das Gold



Names of sister ships

Fee \$ *Pcs. 1160.* *28/1/33* Received by me

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Dimensions of Side Scuttles: 10" scuttles in Forecabin } with steel covers permanently attached.
9" " in Crewspace after end of Shelter Deck.

particulars of Guard Rails :—
 On F.ck.
 On Fresh Deck clear of Deck House.

Particulars of Gangways, Lifelines, etc. :—

Provision is made for rigging life-lines
forward and aft P.T.S. on the Sheeldeck

	Length of Bulwark	Height of Bulwark	Size of Frecing Ports	Number each side	Area each side	Rule area each side
fter Well						
ward Well	Open water full length of <i>forward bulkhead</i>					

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 PROTECTION TO OPENINGS, ETC.

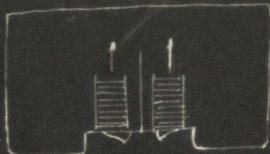
HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS										
		On 6 th Deck.				On Boat Deck.		On Fore st Deck.		
Description of Hatchway		N ^o 1	N ^o 2	N ^o 3	N ^o 4	Coal Shovel	After Coal Shovel	Side Bunkers	Escape hatches	Top
Dimensions of Hatchway		28'0" x 19'9"	29'2" x 19'9"	14'7" x 19'9"	26'3" x 19'9"	5'0" x 16'0"	5'6" x 18'0"	5'0" x 3'6"	2'6" circular	2'6" x 2'6"
COAMINGS	Height above Deck		30"			9' x 3' x 42"	18"	30"	30"	30"
	Thickness	.50	.44	.50			.36	.40	.40	.40
	Sides									
	Ends									
	Stiffeners	2 7/8" x 8" x 40" all round								
	Brackets, Stays	2 1 1/2" dia.	2	1	2					
HATCH BEAMS	Number	4	4	2	4					
	Spacing	5'9"	5'10"	4'10"	5'3"					
	Scantling and Sketch		18" x 55" steel joist							
	Bearing Surface			3"						
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths									
	Scantling and Sketch									
	Bearing Surface									
HATCH COVERS	Material					Wood				
	Thickness					3"				
	How fitted			Fore and aft				At corners		
	Bearing Surface			3"		2 1/2"	2"	1 1/2"	2"	
Spacing of Cleats										
Number of Tarpaulins				2	2	1	1	2	2	

- *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 fiddley, funnel and ventilator coamings:— 2 ventilators 30" dia. to B. R.
 20" " to L. R.
 5 R. steel skylights with flap covers and bell-ropes.
 All fiddley openings are provided with hinged steel covers.
 Height of fiddley top, 4'6" above ~~deck~~ deck.

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways:— In Deck House after end of shelter deck, to Crew's accommodation.
 Steel deck House opening with after side 6'8" x 2'9". Lill. 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" coaming x .26"
 2 " 18" " x 36" " x .40"
 On Boat Deck: 10 " 18" " x 36" " x .40"
 2 " 18" " x 9'6" " x .40" attached to Deck House top deck
 1 " 24" " x 48" " x .32" at after end
 2 " 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.
 Efficient means of closing provided.

Particulars of Gangway Cargo and Coaling Ports:—



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