

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having Raised quarter deck. Short Bridge & Forecastle

Port of Survey Havre

(Type of Superstructures.)

Date of Survey May 1933

Ship's Name N° 59731 in R.B. "CHERBIER"

Nationality and Port of Registry French. Havre

Official Number 448

Date of Build 1921

Name of Surveyor J. Meilet

Moulded Dimensions: Length Breadth Depth

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

Coefficient of fineness for use with Tables

Particulars of Classification + 100 A1.

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

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					
„ 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 $1\frac{1}{2}$ 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 „ „

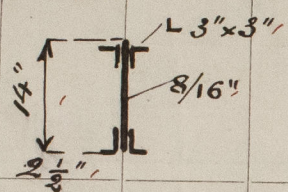
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1906 freeboard reassigned

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Description of Hatchway	No. 1	No. 2	Coal Hatch (at top of Fiddley)
Dimensions of Hatchway	22'0" x 14'0"	23'0" x 14'0"	12'0" x 4'0"
COAMINGS	Height above Deck ... 3'5" Thickness ... 8/16" Stiffeners ... 8/16" Brackets, Stays ... 2 Butt plates 7"	Same as No. 1	6" above casing, 5/16", 5/16"
HATCH BEAMS	Number ... 4 Spacing ... 4'5" Scantling and Sketch 	Same as No. 1	None
FORE AND AFTERS	Number ... Spacing ... Unsupported Lengths ... Scantling and Sketch ...	None	None
Bearing Surface	2 1/2"		
HATCH COVERS	Material ... Wood Thickness ... 2 1/2" How fitted ... Fore & aft Bearing Surface ... 2 1/2"	Same as No. 1	Same as No. 1
Spacing of Cleats	1'10"	Same as No. 1	Same as No. 1
Number of Tarpaulins	2	Same as No. 1	Same as No. 1
*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/> Yes Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/> Yes Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/> Yes Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/> Yes			

Particulars of fiddley, funnel and ventilator coamings:— The fiddley Ventilators are fitted with hinged steel covers. The fiddley & machy casing consists of a coaming 3/8" thick and plating 5/16" thick. Stiffeners 3 x 2 1/2" 2'6" apart. Side steel doors to fiddley 4'6" x 1'10" & Sills 18" high. Wood door (Beak) at after end of Engine Casing as entrance to Engineer's quarter 4'6" x 1'10" Sill 18" high.

Particulars of Flush Bunker Scuttles:—

None fitted.

Particulars of Companionways:—

None fitted.

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

Ventilator Coamings one forecastle deck are 1'0" high.
Ventilator Coamings on Well & after decks are 3'0" high.
They have wood caps & Canvas covers.
Swan neck Ventilators 1'6" high are fitted on poop deck.
Efficient means of forcing provided.

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

On forecastle & after decks. 2'0" high. fitted with wood plugs.

Particulars of Gangway Cargo and Coaling Ports:—

None.

Particulars of Scuppers and Sanitary Discharge Pipes — Well & after decks discharge through holes (4" x 3 1/2") 3 in well. 3 aft (each side), in bulwarks at level of stringer angle. Discharge from W.C. aft & from W.C. in forecabin are at 1'6" below decks & are fitted with storm valves.

Particulars of Side Scuttles:—

3 in forecabin at 1'6" below forecastle deck, fitted with deadlights.
1 at side of Bridge space 1'6" below bridge deck & fitted with deadlight.

Particulars of Guard Rails:—

2 Bar rails on forecastle 3'3" high
Stanchions 4' apart.

Particulars of Gangways, Lifelines, etc.:—

No gangways are fitted.

Provisions will be made for fitting life lines on well deck which are available for use in any part of the ship which might have to be used by the crew in the regular working of the ship.

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Abaft Bridge		3'5"	3'0" x 1'6"	3		
Forward Well	29'	3'5"	3'0" x 1'6"	2	9.0	9.4 ft
State position of each freeing port ... After Well:— (F. and A. position and height above deck edge) Forward Well:—One 3' forward Bridge. One 14' abaft forecastle Bulkhead. State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—Hinged Shutters. Height above deck 10" (Fore well), 4" (after deck). Additional area where sheer is less than standard. <input checked="" type="checkbox"/>						

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		3/8"	L 3" x 3"	2'8"	Bracket 20" x 20"	None		3'8"
Bridge, Forward Bulkhead		3/8"	L 3" x 3"	2'8"	2"	5 Scuttles with deadlights.		above after deck 7' above foredeck
Forecastle Bulkhead		3/8"	L 3" x 2 1/2"	2'8"	None	4'4" x 2'3"	22"	7'0"
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks		1/4"	L 3" x 2 1/2"	2'6"	Bracket at top 13" x 13"	4'6" x 1'10"	18"	7'0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								

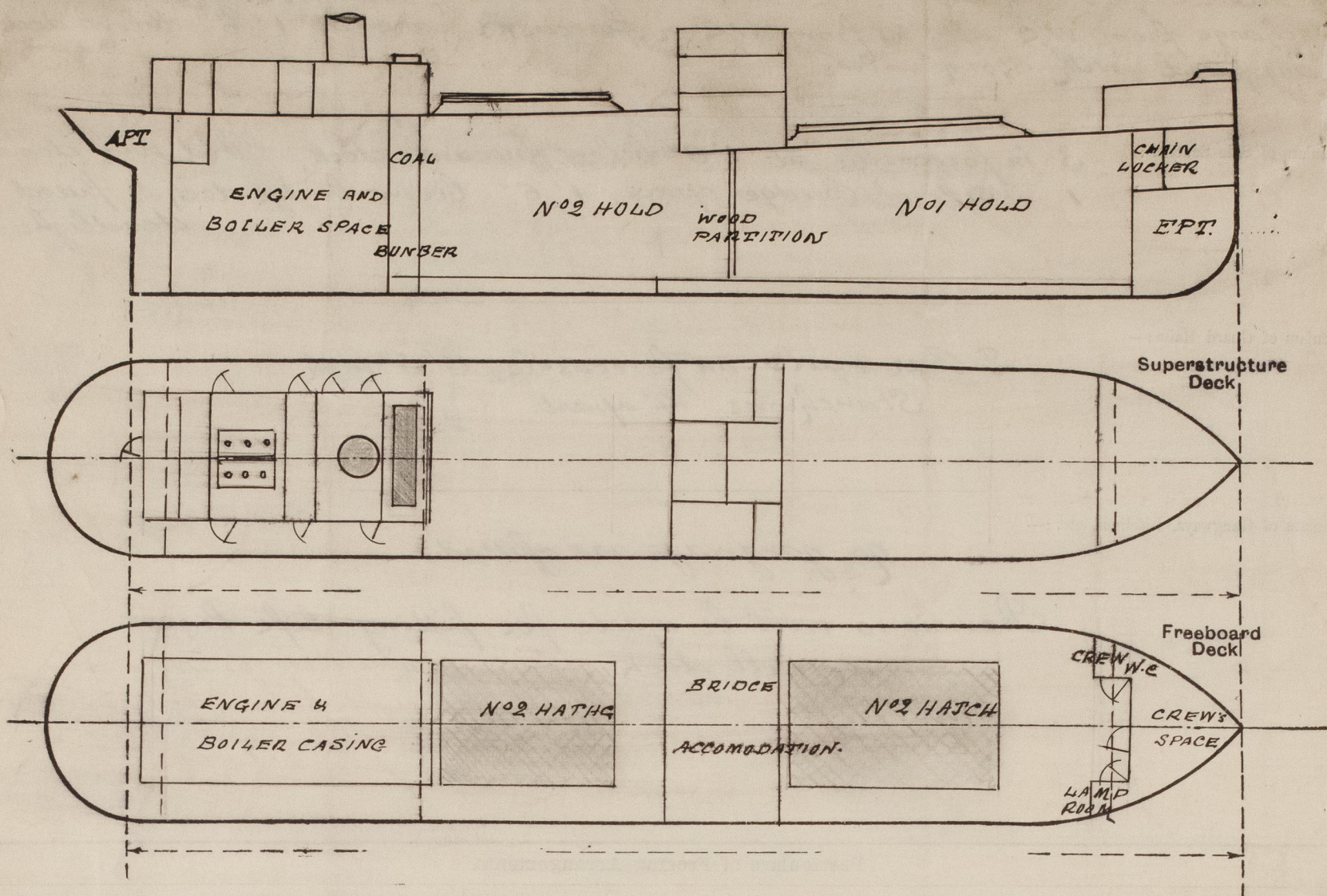
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

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	

Steel hinged doors manipulated from both sides.
Steel hinged doors manipulated from both sides at sides of casing.
One teak wood door at after end of casing for access to Engineer's quarter, manipulated from both sides.

Cherbourg.

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:—

*The vessel is now undergoing the first Special nos (complete)
The Owners state that they do not desire any reduction
of freeboard.*

over

Builder's name and yard number *J. Lewis & Sons Ltd Aberdeen Yd nº89.*

Names of sister ships

Owners *Société Havraise de Transport & de Transit*

Fee *Frcs* : *370*

Expenses: *30*..

Received by me

J. Milet



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Foundation