

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

7 JAN 1933

Computation of Freeboard for Steamer, ~~Sailing Ship, Tug~~
having poop, quarter deck, bridge and forecastle.

(Type of Superstructures.)

Ship's Name S.N.A. 6	Nationality and Port of Registry French. Rouen.	Official Number -	Gross Tonnage 2654	Date of Build 1921-8
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Moulded Dimensions: Length 300' Breadth 45.75' Depth 20.3'
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons
Coefficient of fineness for use with Tables 3 Gunboat with close yard closed

Port of Survey Rouen.
Date of Survey 28th December 1932.
Name of Surveyor Onch. Hinkley.
Particulars of Classification + 100 A1
S.S. Rot. No. 2-29

<p>Depth for Freeboard (D)</p> <p>Moulded depth</p> <p>Stringer plate</p> <p>Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____</p> <p>Depth for Freeboard (D) = _____</p>	<p>Depth correction</p> <p>(a) Where D is greater than Table depth (D-Table depth) R = _____</p> <p>(b) Where D is less than Table depth (if allowed) (Table depth-D) R = _____</p> <p>If restricted by superstructures</p>	<p>Round of Beam correction</p> <p>Moulded Breadth (B) _____</p> <p>Standard Round of Beam = $\frac{B \times 12}{50} =$ _____</p> <p>Ship's Round of Beam = _____</p> <p>Difference _____</p> <p>Restricted to _____</p> <p>Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____</p>
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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	
$\frac{1}{4}L$ from A.P.		4				4	
$\frac{2}{4}L$ „		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 $1\frac{1}{2}$ ins. per 100 ft.

<p>Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Ft.</p> <p>Depth to Freeboard Deck = _____</p> <p>Summer freeboard = _____</p> <p>Moulded draught (d) = _____</p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____</p> <p>Addition for Winter North Atlantic Freeboard (if required) = _____</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line</p> <p>$\Delta =$ _____</p> <p>Tons per inch immersion at summer load water line</p> <p>T = _____</p> <p>Deduction = $\frac{\Delta}{40 T}$ inches = _____</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient</p> <table border="1"> <thead> <tr> <th></th> <th>+</th> <th>-</th> </tr> </thead> <tbody> <tr><td>Depth Correction</td><td></td><td></td></tr> <tr><td>Deduction for superstructures</td><td></td><td></td></tr> <tr><td>Sheer correction</td><td></td><td></td></tr> <tr><td>Round of Beam correction</td><td></td><td></td></tr> <tr><td>Correction for Thickness of Deck amidships</td><td></td><td></td></tr> <tr><td>Other corrections, scantlings, etc.</td><td></td><td></td></tr> </tbody> </table> <p>Summer Freeboard = _____</p>		+	-	Depth Correction			Deduction for superstructures			Sheer correction			Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.		
	+	-																					
Depth Correction																							
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Correction for Thickness of Deck amidships																							
Other corrections, scantlings, etc.																							

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

Tropical Fresh Water Line above Centre of Disc
Fresh Water Line	„	„
Tropical Line	„	„
Winter Line below	„	„
Winter North Atlantic Line	„	„

Tropical Fresh Water Freeboard	...
Fresh Water	„
Tropical	„
Winter	„
Winter North Atlantic	„

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S. N. A. C.

Particulars of fiddley, funnel and ventilator coamings :—

3 steel fiddley covers permanently attached. ✓

Particulars of Flush Bunker Scuttles:—

1 on Bridge deck each side. W 60% dia. height of casing 120% x 87% steel.
Cover 87% steel with steel hinge permanently attached + screw toggle.

Particulars of Companionways :—

Steel construction efficiently constructed on Peep, giving access to crew quarters, with hinged wood doors, height of sill 300% -

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

Ventilations closed by wood plugs & canvas covers.

Part	Material	Size	Quantity	Weight	Volume	Notes
On Forecastle	1	10 stone 180Z die, 8 1/2" Thick, 690Z height & casing.	1	9157	-	
	1	hold 620Z - 102Z	1	9157	-	
On Bridge	6	to accom. 140Z - 77Z	6	7407	-	
	2	side bunkers 300Z - 87Z	2	7407	-	
Ponds	2	new stone 200Z - 87Z	2	3007	-	
	1	new stone 200Z - 87Z	1	3007	-	
In Fore Well	2	10 hold 450Z die, 10 1/2" Thick, 900Z height & casing.	2	9007	-	
	1	hold 670Z - 102Z	1	17100	-	
Aft Well	2	hold 450Z - 102Z	2	9007	-	
	1	transit 160Z - 77Z	1	9407	-	

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— Air pipes closed by canvas covers.

Forecast, none.

Bridge, 4 air pipes 75% dia., height to opening 930' ✓

Prop., 1 - 115' - - - 535' ✓

Fire Well, 4 air pipes 75% dia., height to opening 1700' ✓

Off Well, { 4 - 115' - - - 600' ✓
4 - 115' - - - 17200' ✓

Particulars of Gangway Cargo and Coaling Ports:—

None.

Particulars of Scupperns and Sanitary Discharge Pipes :—

L Patent cast steel scupperns each side in Fore Well ✓
L - - - - - Aft Well ✓

In Bridge Three 100% - die Sanitary discharge pipes from WCs & wash places carried down below freeboard deck & fitted with non-return valves.

In Pump Four 100% " " " " " " " " " " " " " " " "

Particulars of Side Scuttles:—

None below freeboard deck.

all side scuttles fitted with deadlights.

Particulars of Guard Rails:— Bulwarks Throughout ✓

Particulars of Gangways, Lifelines, etc. :—

Suitable provision is ~~left~~ made for missing eyelids
between tooth & bridge, with portable stanchions,
and metal eye bolts. ✓

The crew is berthed aft.

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			Dismissed See Instructions F-8-12-32.	/		
Forward Well						

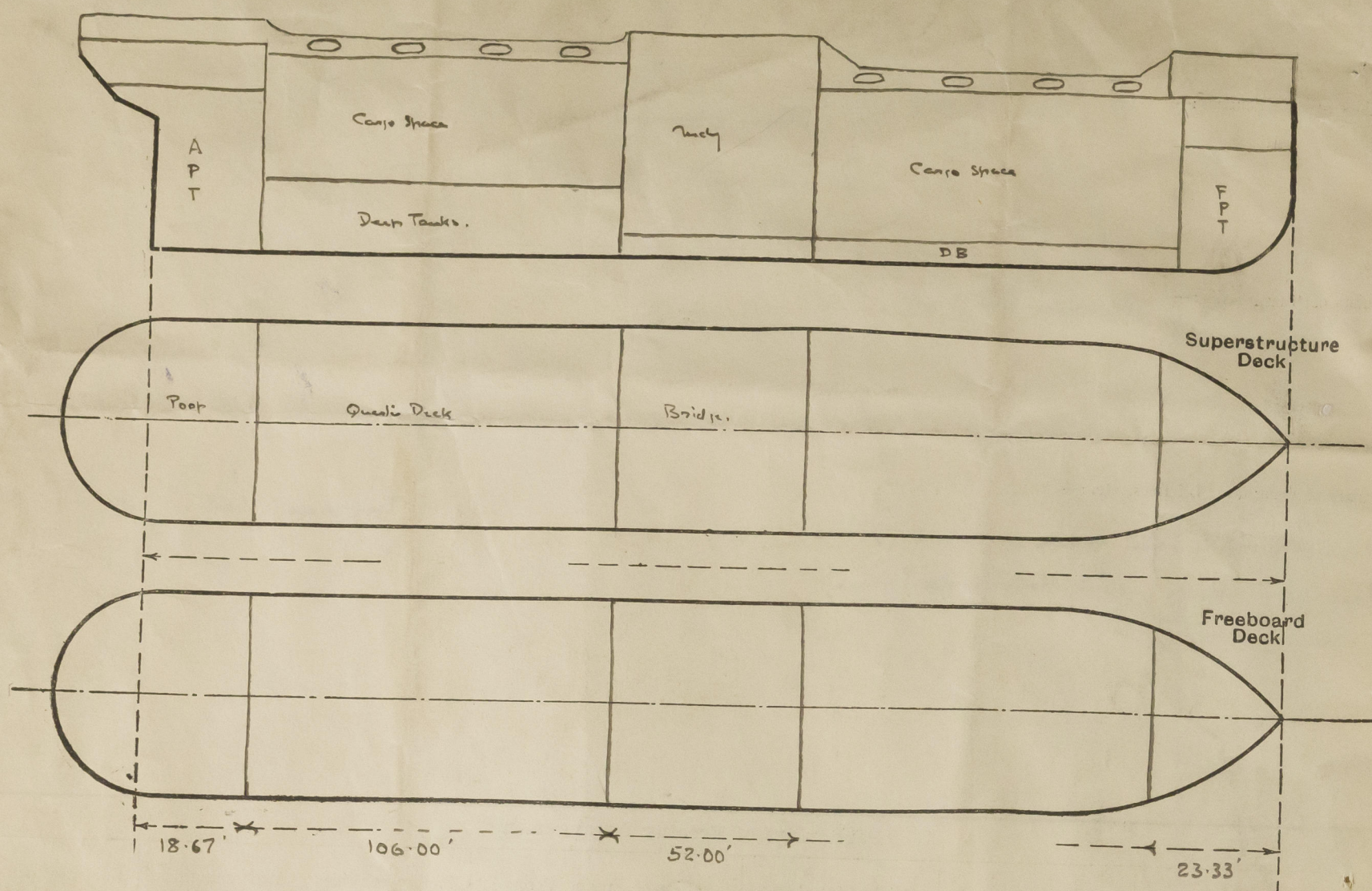
State position of each freeing port { After Well :—
(F. and A. position and height above deck edge) { Forward Well :—
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :—

Additional area where sheer is less than standard.

Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead						none		
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead						none		
Bridge, Forward Bulkhead						none		
Forecastle Bulkhead						17' 320 x 5507	4507	
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...								
Exposed Machinery Casings on Super-structure Decks						17' 510 x 6207	5007	
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	none ✓
Raised Quarter Deck Bulkhead ...	-
Bridge, After Bulkhead	none ✓ <i>intake</i>
Bridge, Forward Bulkhead	none ✓ <i>intake</i>
Forecastle Bulkhead	4 hinged steel doors with haips. ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	
Exposed Machinery Casings on Superstructure Decks	2 wood doors + 2 steel doors hinged for stokehold ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	-
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 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:—

None. /

Survey held afloat. /

Owners desire the present freeboards to be re-assigned. /

Builder's name and yard number Osbourne Graham & Co. Ltd, Sunderland.

Names of sister ships —

Owners Soc. Nationale d'Affrètements.

Fee Fr. 610 as instructed in Received by me —

Rec'd letter F. 8-12-32.

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