

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.Index. No. 28031
(For London Office only.)

-1 DEC 1932

Computation of Freeboard for Steamer, ~~Sailing Ship, Tanker~~having poop, bridge & forecastlePort of Survey Rouen

(Type of Superstructures.)

Date of Survey 8th November 1932

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

ANTINEAFrench
Rouen

-

2477

1920.7.

Name of Surveyor A. H. LinklaterMoulded Dimensions: Length 300' Breadth 43.5' Depth 24.5 1/2'

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

Coefficient of fineness for use with Tables

Particulars of Classification + 100A1S.S. Rou No 3-832

Depth for Freeboard (D)

Moulded depth 24.5 1/2'

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) 43.5'

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

$$\text{Ship's Round of Beam} = 10.75'' =$$

Difference

Restricted to

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poep enclosed	28.16		7.5		
„ overhang	-				
R.Q.D. enclosed	-				
„ overhang	-				
Bridge enclosed	81.0		7.0		
„ overhang aft	-				
„ overhang forward	2.25				
F'cle enclosed	33.33		7.0		
„ overhang	-				
Trunk aft	-				
„ forward	-				
Tonnage opening aft	-				
„ „ forward	-				
Total					

Standard Height of Superstructure

„ „ R.Q.D.

Deduction for complete superstructure

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

$$\text{„ „ } \frac{S_1}{L} =$$

$$\text{„ „ } \frac{E}{L} =$$

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			6007		1		
1/2 L from A.P.		4			1007		4		
3/4 L „ „		2			007		2		
Amidships		4			007		4		
3/4 L from F.P.		2			007		2		
1/2 L „ „		4			3507		4		
F.P.		1			17,800		1		
Total									

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$$

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 =

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

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	
Fresh Water Line „ „	
Tropical Line „ „	
Winter Line below „ „	
Winter North Atlantic Line „ „	

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

© 2020

Lloyd's Register
Foundation

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS							
Description of Hatchway	...	...	...	...	...	...	...
Dimensions of Hatchway	...	...	...	...	...	...	...
COAMINGS	Height above Deck	...	...	...	...	...	...
	Thickness	...	...	...	...	...	...
	Sides	...	...	...	...	...	...
	Ends	...	...	...	...	...	...
HATCH BEAMS	Number	...	...	...	...	...	...
	Spacing	...	...	...	...	...	...
	Unsupported Lengths	...	...	...	...	...	...
	Scantling* and Sketch	...	...	...	...	...	...
FORE AND AFTERS	Number	...	...	...	...	...	...
	Spacing	...	...	...	...	...	...
	Unsupported Lengths	...	...	...	...	...	...
	Scantling* and Sketch	...	...	...	...	...	...
HATCH COVERS	Material	...	...	...	...	...	...
	Thickness	...	...	...	...	...	...
	How fitted	...	...	...	...	...	...
	Bearing Surface	...	...	...	...	...	...
Spacing of Cleats	...	...	...	...	...	...	...
Number of Tarpaulins	...	...	...	...	...	...	...

*Are wood fore and afters steel shod at all bearing surfaces? *no wood foras.*

Are battens and wedges efficient and in good condition? *yes.*

Are tarpaulins in good condition and in accordance with rule requirements? *yes. 3 each hatchway.*

Are lashings provided in accordance with rule requirements? *yes. rings & eyebolts on horizontal stiffeners.*

Particulars of fiddley, funnel and ventilator coamings:—

4 steel fiddley covers permanently attached.

Particulars of Flush Bunker Scuttles:—

none.

Particulars of Companionways:—

Steel companion efficiently constructed on Poop, giving access to crew's quarters with steel hinged door not operated from both sides, sill 330%.

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

Ventilators closed by wood plugs & canvas covers.

On Forecastle: 1 to store 170% dia, 8% thick, 750% height of coaming. *yes.*

On Bridge House: 2 - 300% dia, 6% thick, 330% height of coaming. *yes.*

On Poop: 2 - 300% dia, 6% thick, 330% height of coaming. *yes.*

On Fore Well: 2 to hold 410% dia, 10% thick, 910% height of coaming. *yes.*

On Aft Well: 3 - 410% dia, 10% thick, 910% height of coaming. *yes.*

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

Forecastle: 2 air pipes 80% dia, height to drawing 300%.

Bridge: 2 do 130% - - - 200%.

Poop: 1 do 80% - - - 300%.

Fore Well: 2 do 80% - - - 610%.

Aft Well: 2 do 80% - - - 610%.

Air pipes closed by canvas covers.

Particulars of Gangway Cargo and Coaling Ports:—

none.



Lloyd's Register of Shipping.

Ship's Name "Bandleston baste"Official No. 162106

Memorandum of alterations reported since ship was surveyed for assignment of Load Lines in

The following particulars of additional hatchways^{etc.} were noted:-

On foreboard deck:-

Hatchway to Fore Peak store in Yole:- 3'-0" x 3'-0": 9" L coaming: fitted with cleats, battens, 2½" wood covers and 1 Jarpaulin.

In Bridge space:-

Hatchway to After end of No. 2 Hold:- 16'-6" x 4'-0": 9 x 3½" L coaming: 1 Hatch beam 12" x 6" H Section: cleats 42" apart: Bearing surfaces 3": fitted with 2½" wood covers laid J.E.A.; battens and 1 Jarpaulin.

2 small trimming hatches to No. 2 Hold each 3'-0" x 2'-3": 9" L coaming: fitted with cleats, battens, 2½" wood covers and 1 Jarpaulin.

2 bunker trimming hatches I.P.15: each 15'-6" x 3'-3": 9 x 3½" L coaming: cleats 36" apart: fitted with 2½" wood covers, battens and 1 Jarpaulin.

On poop deck.

Hatchway to after peak store:- 2'-0" x 2'-0": 18" x 30 coaming: fitted with cleats, battens, 2½" wood covers and 2 Jarpaulins.

On Boat Deck:-

2 Hatchways to Bunkers:- $\left. \begin{array}{l} 1 \text{ at } 13'-3" \times 4'-9" \\ 1 \text{ at } 12'-3" \times 4'-5" \end{array} \right\} 9 \times 3\frac{1}{2}" \text{ L coamings: cleats } 24"-30" \text{ apart.}$
fitted with 2½" wood covers, battens and 2 Jarpaulins.

2 Hinged steel doors in Machinery basins on Superstructure Deck leading to Engine Room: opening 4'-6" x 1'-10": 19" Sill. fitted with strong locks capable of being operated from both sides.

H.R.G.

W458-0188 (2/13)

Particulars of Scuppers and Sanitary Discharge Pipes — 2 — — — — — 1 Patent cast steel scupper each side in Fore Well. ✓
in Aft Well. ✓

Three 100% dia. sanitary discharge pipes from W.C.s & wash places carried down below freeboard deck and fitted with non-return valves. ✓

Particulars of Side Scuttles:

None below freeboard deck. ✓
All side scuttles fitted with deadlights. ✓

Particulars of Guard Rails:—

Bulwarks on freeboard deck. ✓

On Forecastle, Bridge & Poop stanchions 4'-6" apart, height 3'-0".
2 rods (dia 1 1/2" & 1") ✓

The crew is berthed aft. ✓
In aft well a life line is rigged with 7 portable stanchions, giving communication between poop & bridge over hatch covers. ✓

Particulars of Gangways, Lifelines, etc.:—

12" x 4" steel wire with rigging screws rigged between poop and bridge with ratchet eye bolts on steel bulkheads & steel portable stanchion fitted on continuous deck girders between hatches. ✓

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Fore Well ...	23'-83"-78.2'	17, 190 ✓	5'-0 1/2" x 10'-6 1/2" = 17, 530 x 260 1/2 ✓	4 ✓	32.0 sq. ft. ✓	15.6 sq. ft. ✓
Aft Well ...	24'-08"-76.7'	17, 190 ✓	17, 530 x 260 1/2 ✓	4 ✓	32.0 sq. ft. ✓	15.4 sq. ft. ✓

State position of each freeing port ... After Well:— Ports 33 1/2" above decks ✓
& 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:— No shutters. 2 vertical 1" bars. —
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 ...	775 x 127 ✓	127 ✓	160 x 75 x 10 1/2 L ✓	730 1/2 ✓	none ✓	none ✓	none ✓	7'-5" ✓
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead ...	530 x 82 ✓	82 ✓	75 x 75 x 9 1/2 L ✓	810 1/2 ✓	none ✓	17, 370 x 17, 300 ✓	530 1/2 ✓	7'-0" ✓
Bridge, Forward Bulkhead ...	810 x 127 ✓	127 ✓	200 x 75 x 10 1/2 L ✓	810 1/2 ✓	440 1/2 brackets top & bottom ✓	17, 090 x 17, 15 ✓	680 1/2 ✓	7'-0" ✓
Forecastle Bulkhead ...	460 x 82 ✓	82 ✓	200 x 75 x 10 1/2 L ✓	750 1/2 ✓	440 1/2 brackets top & bottom ✓	17, 370 x 17, 050 ✓	460 1/2 ✓	7'-0" ✓
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Superstructure Decks ...	✓	77 ✓	✓	✓	✓	17, 360 x 550 ✓	448 ✓	✓
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 ...	No openings ✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	Shifting boards full height, each side, with channels. ✓
Bridge, Forward Bulkhead ...	2 cargo openings with hinged steel doors, bolted. (not operated from both sides) ✓
Forecastle Bulkhead ...	1 opening closed with shifting boards & channels full height. 1 opening closed by wood hinged door. ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	2 hinged steel doors to stokehold. ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	✓



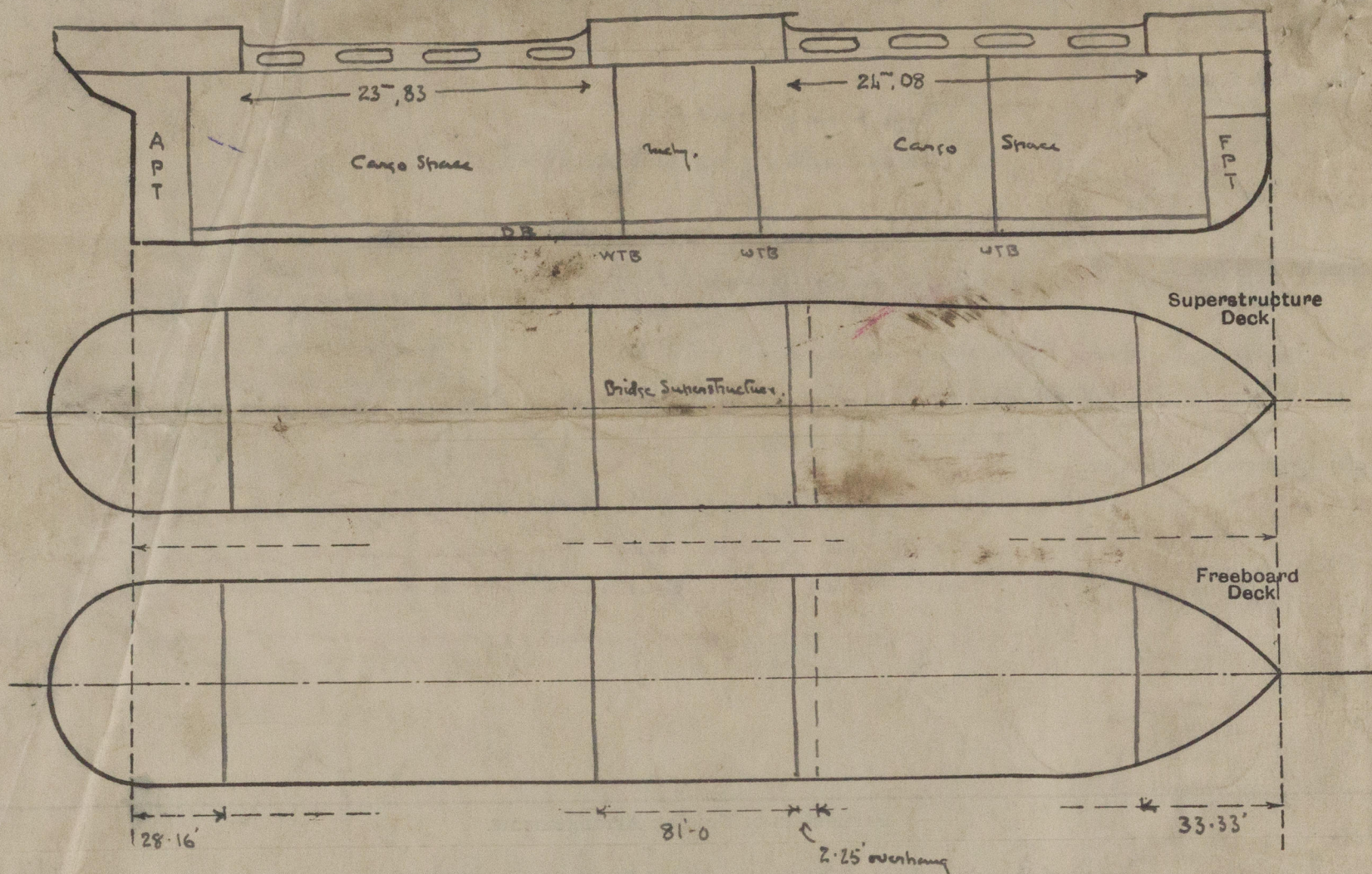
© 2020

Lloyd's Register Foundation

W458-0188(313)

Canderton Castle.

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:—

None.

Survey held afloat.

Please note: Special Survey No 3 carried out at Rouen 8, 32.

Builder's name and yard number Burntisland Shipbuilding Co. Ltd.

Names of sister ships

Owners Compagnie Africaine d'Armement

Fee Fr 1430

Received by me



© 2020

Lloyd's Register
Foundation