

Amendment to freeboard report dated 21st June 1937.

16409

Rpt. C.11.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index No. 2-1937
(For London Office only.)

DEC -2-1937-2 1937

Computation of Freeboard for Steamer, Sailing Ship , Tanker					Port of Survey <u>Copenhagen</u>	
having <u>70 ft. R.A. deck & sunk poop & bridge</u>					Date of Survey <u>30th Nov. 1937</u>	
(Type of Superstructures.)					Name of Surveyor <u>H. D. Lydersen</u>	
Ship's Name <u>S/S TORTEL</u>	Nationality and Port of Registry <u>Swedish Oscars hamn.</u>	Official Number <u>7357</u>	Gross Tonnage <u>1236</u>	Date of Build <u>1903-6</u>	Particulars of Classification <u>2-100-A-1</u>	
Moulded Dimensions: Length Breadth Depth					Round of Beam correction	
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons					Moulded Breadth (B)	
Coefficient of fineness for use with Tables					Standard Round of Beam = $\frac{B \times 12}{50} =$	
					Ship's Round of Beam =	
					Difference	
					Restricted to	
					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)	
Poop enclosed ...						Standard Height of Superstructure
„ overhang ...						„ „ R.Q.D.
R.Q.D. enclosed ...						Deduction for complete superstructure
„ overhang ...						Percentage covered $\frac{S}{L} =$
Bridge enclosed ...						„ „ $\frac{S_1}{L} =$
„ overhang aft ...						„ „ $\frac{E}{L} =$
„ overhang forward						Percentage from Table, Line A.
Fore enclosed ...						(corrected for absence of forecastle (if required))
„ overhang ...						Percentage from Table, Line B.
Trunk aft ...						(corrected for absence of forecastle (if required))
„ forward ...						Interpolation for bridge less than 2L (if required)
Tonnage opening aft ...						Deduction =
„ „ forward						
Total ...						

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product	
A.P. ...		1				1		Mean actual sheer aft =
$\frac{1}{6}L$ from A.P. ...		4				4		Mean standard sheer aft =
$\frac{2}{6}L$ „ ...		2				2		Mean actual sheer forward =
Amidships ...		4				4		Mean standard sheer forward =
$\frac{2}{6}L$ from F.P. ...		2				2		Length of enclosed superstructure forward of amidships =
$\frac{1}{6}L$ „ ...		4				4		„ „ aft of „ =
F.P. ...		1				1		
Total ...								

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

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 = $\frac{\Delta}{40T}$ 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 ...	
Fresh Water Line „ „ ...	
Tropical Line „ „ ...	
Winter Line below „ „ ...	
Winter North Atlantic Line „ „ ...	

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

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway	No. 1	No. 2	No. 3	No. 4					
Dimensions of Hatchway	17'3" x 18'0"	32'7" x 20'0"	21'1" x 20'0"	19'2" x 18'0"					
COAMINGS	<div> <div>Height above Deck</div> <div>Thickness</div> <div>Stiffeners</div> <div>Brackets, Stays</div> </div> <div>Sides</div> <div>Ends</div>								
HATCH BEAMS	<div> <div>Number</div> <div>Spacing</div> <div>Scantling and Sketch</div> </div> <div> <div>3</div> <div>ab. 4'3 3/4"</div> <div>3 1/4 x 4 1/2</div> </div> <div> <div>6</div> <div>ab. 4'7 3/4"</div> <div>4 1/2 x 4 1/2</div> </div> <div> <div>3</div> <div>ab. 4'5' - 3"</div> <div>4 1/2 x 5 0</div> </div> <div> <div>3</div> <div>ab. 4'9 1/2"</div> <div>4 1/2 x 5 0</div> </div>								
FORE AND AFTERS	<div> <div>Number</div> <div>Spacing</div> <div>Unsupported Lengths</div> <div>Scantling* and Sketch</div> </div> <div>None</div> <div>fitted</div>								
HATCH COVERS	<div> <div>Material</div> <div>Thickness</div> <div>How fitted</div> <div>Bearing Surface</div> </div> <div>Wood</div> <div>80 7/8"</div> <div>F. & A.</div> <div>3"</div>								
Spacing of Cleats	Please see old report								
Number of Tarpaulins	Please see old report								

*Are wood fore and afters steel shod at all bearing surfaces? *None fitted.*

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

Are tarpaulins in good condition and in accordance with rule requirements? *yes!*

Are lashings provided in accordance with rule requirements? *yes!*

Particulars of fiddley, funnel and ventilator coamings :—

Particulars of Flush Bunker Scuttles :—

Particulars of Companionways :—

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

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

Particulars of Gangway Cargo and Coaling Ports :—

Particulars of Scuppers and Sanitary Discharge Pipes :—

Particulars of Side Scuttles :—

Particulars of Guard Rails :—

Particulars of Gangways, Lifelines, etc. :—

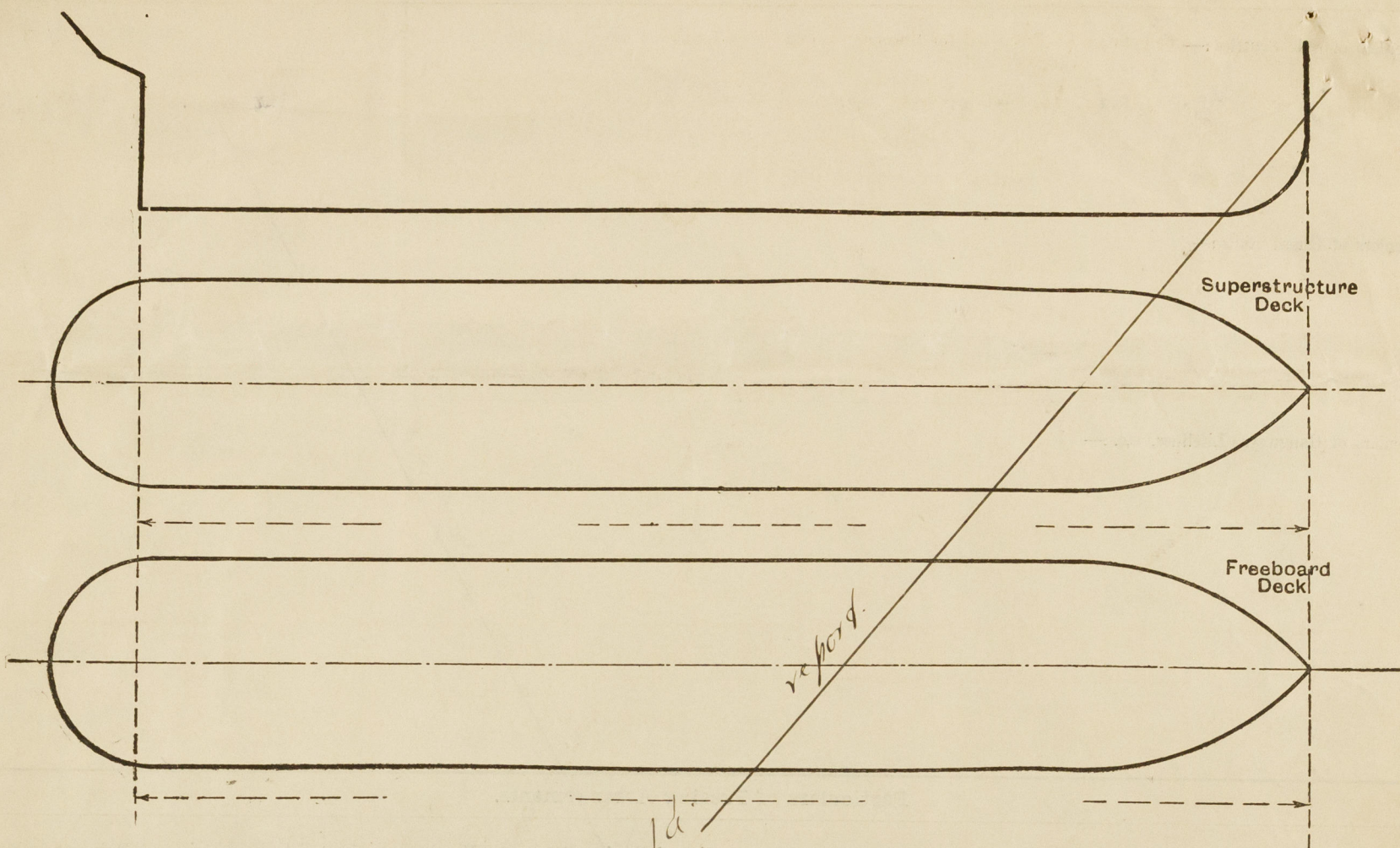
Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well						
Forward Well						

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								
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								

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	

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:—

Please

see

old

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Builder's name and yard number *Mackie and Thomson, Glasgow.*

Names of sister ships *✓*

Owners *Reveri A/B. Tellus*

Fee £ *Please see letter.*

Received by me



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