

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

20/2/48.

STEAMER, TANKER, SAILER: S.S. CITY OF CORK & NORTH TIPPERARY. WITH TIMBER DECK CARGO
WITHOUT

Nationality BRITISH. Builders' Name and No. of Ship CALEDON S. & E. CO. LTD.
DUNDEE. NO 244.

Port of Registry BELFAST.

Official Number 137845. Owners SAORSTAT. & CONTINENTAL STEAMSHIP CO. LTD.

Gross Tonnage 1586 30.

Date of Build 5/1917. Port and Date of survey BELFAST. FEB. 1948.

Particulars of Classification BS*. Name of Surveyor H. MACKECHNIE.

Type of Superstructures POOP & BRIDGE COMBINED. & POLE. Names of Sister Ships LONGSHIPS. COPELAND.

Trade of Ship

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (2 1/2" wood.....) 1' - 8 1/2"

		Corresponding Freeboard
TROPICAL FRESH WATER LINE above centre of disc	<u>6 1/2"</u>	<u>1' - 2"</u>
FRESH WATER LINE " " "	<u>3 3/4"</u>	<u>1' - 4 3/4"</u>
TROPICAL LINE " " "	<u>2 3/4"</u>	<u>1' - 5 3/4"</u>
WINTER LINE below " "	<u>2 3/4"</u>	<u>1' - 11 1/4"</u>
WINTER NORTH ATLANTIC LINE " " "	<u>4 3/4"</u>	<u>2' - 1 1/4"</u>

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

TROPICAL FRESH WATER Timber line above L.S.

		Corresponding Freeboard
FRESH WATER " " " "		
TROPICAL " " " "		
WINTER " " below "		
WINTER NORTH ATLANTIC " " " "		

Number of years recommended for load line certificate

Re Assigning Rules

Certs forwarded postman

Additional certified copy for owner

Compan...

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

William H. Hay
Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft

on the 3rd MARCH 1948



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Lloyd's Register
Foundation

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COMPUTATION OF FREEBOARD

Length on summer load line	Moulded Breadth	Moulded Depth	Depth of Keel
Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth			Tons
Co-efficient of fineness for use with tables	$\frac{\Delta \times 35}{L \times B \times D \times 85} =$		
Displacement and tons per inch immersion in salt water at summer load line			
Moulded depth		Deduction for Fresh Water $\frac{\Delta}{40 T} =$	inches
Stringer Plate		Round of Beam Correction	
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right)$		Ships Round of Beam	inches
Rise of floor (in sailers)		Standard Round of Beam $\frac{B \times 12}{50}$	
Depth for Freeboard (D)		Difference	
Table Depth		Restricted to	
Depth Correction		Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L} \right) =$	
If restricted by superstructures			

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop						
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle						
Trunk Aft						
„ Forward						
Tonnage Opening Aft						
„ „ Forward						
Totals						

Standard Height of Superstructure

„ „ R.Q.D.

Percentage covered S/L =

„ „ E/L =

„ from Table line A, B, (corrected for absence of forecastle if required)

Percentage from Table by interpolation for Bridge less than .2L if required =

Deduction =

Percentage from Table for Tankers (or Timber ships) =

Deduction =

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.				1	
$\frac{1}{8}$ L from A.P.				4	
$\frac{1}{8}$ L from A.P.				2	
Amidships				4	
$\frac{1}{8}$ L from F.P.				2	
$\frac{1}{8}$ L „ „				4	
F.P.				1	
				18	
Effective Mean Sheer					
Standard „ „ .05L + 5					
Difference					

Mean Actual sheer aft =

„ Standard „ „

Mean Actual sheer forward =

„ Standard „ „

Length of enclosed superstructure forward of amidships =

Length of Ship

Length of enclosed superstructure aft of amidships =

Length of Ship

Sheer Correction = Difference $\times \left(.75 - \frac{S}{2 L} \right) =$

If limited on account of midship superstructure =

„ to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required =

Correction for co-efficient =

	+	-
Depth correction		
Deduction for superstructures		
Sheer correction		
Round of Beam correction		
Correction for thickness of deck amidships		
Other corrections, scantlings, etc.		

Summer Freeboard in inches =

Additional allowance for superstructures on

Timber carrying ships =

Summer Timber Freeboard in inches =

DRAUGHTS AND SEASONAL CORRECTIONS

Sailer, Tanker, Steamer	Timber
Depth to Freeboard Deck in feet	
Summer Freeboard in feet	
Moulded Draught (d)	(d1)
Addition for Keel	
Extreme draught	
Deduction for Tropical and addition for Winter freeboard $d/4 =$	ins.
Addition for Winter North Atlantic (if required)	ins.
Deduction for Tropical Timber Freeboard $d/4$	ins.
Addition for Winter „ „ $\frac{d}{3}$	ins.
„ „ N.A. Timber Freeboard (if required)	ins.