

20/2/48.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT
SURVEY FOR FREEBOARD

STEAMER, TANKER, SALES: 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.

Port of Registry BELFAST. DUNDEE. NO 244.

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

Gross Tonnage 1586 30. Port and Date of survey BELFAST. FEB. 1948.

Date of Build 5/1917. Name of Surveyor H. MACKECHNIE.

Particulars of Classification BS* Names of Sister Ships LONGSHIPS. COPELAND.

Type of Superstructures POOP & BRIDGE COMBINED. & POLE.

Trade of Ship

Service Endorsement if any

RETAIN

Freeboard Line	Position	Material	Corresponding Freeboard
SUMMER FREEBOARD	recommended amidships from centre of disc to top of deck line,	(<u>2 1/2"</u> wood)	<u>1' - 8 1/2"</u>
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>

Freeboard Line	Position	Corresponding Freeboard
SUMMER TIMBER FREEBOARD	recommended amidships from top of deck line	
TROPICAL FRESH WATER	Timber line above L.S.	
FRESH WATER	" " " "	
TROPICAL	" " " "	
WINTER	" " below "	
WINTER NORTH ATLANTIC	" " " "	

Number of years recommended for load line certificate

Re Assignt 9/48
Certs forwarded port
Additional certified copy for owners
Compan 2

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

William 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
Secretary
002024-002037-0052

COMPUTATION OF FREEBOARD

Length of 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							Standard Height of Superstructure
Raised Quarter Deck							„ „ R.Q.D.
Bridge	}	F					Percentage covered S/L =
		A					„ „ E/L =
Forecastle							„ from Table line A, B, (corrected for absence of forecastle if required)
Trunk Aft							Percentage from Table by interpolation for Bridge less than .2L if required =
„ Forward							Deduction =
Tonnage Opening Aft							Percentage from Table for Tankers (or Timber ships) =
„ „ Forward							Deduction =
Totals							

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	
A.P.				1		Mean Actual sheer aft = „ Standard „ „
$\frac{1}{8}$ L from A.P.				4		Mean Actual sheer forward = „ Standard „ „
$\frac{1}{8}$ L from A.P.				2		
Amidships				4		Length of enclosed superstructure forward of amidships = Length of Ship
$\frac{1}{8}$ L from F.P.				2		
$\frac{1}{8}$ L „ „				4		Length of enclosed superstructure aft of amidships = Length of Ship
F.P.				1		
				18		Sheer Correction = Difference $\times \left(.75 - \frac{S}{2L}\right) =$
Effective Mean Sheer			=			=
Standard „ „ .05L + 5			=			If limited on account of midship superstructure =
Difference						„ 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.		

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.