

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

STEAMER, TANKER, SALES **"PRESCOTT"** (*Bulk Freighter*) ^{WITH} TIMBER DECK CARGO
 WITHOUT

Nationality *British* Builders' Name and No. of Ship *Detroit S. B. Co. no 155.*

Port of Registry *Midland Ont.* Owners *Canada Steamship Line, Ltd.*

Official Number *138,214*

Gross Tonnage *5461*

Date of Build *1903* Port and Date of Survey *Toronto 12/3/37*

Name of Surveyor *E. Russell Macmillan*

Particulars of Classification *American Bureau* Names of Sister Ships
Class 100

Type of Superstructures *Summ Forecastle*

Trade of Ship *Great Lakes*

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)		9'-1 1/2"
TROPICAL FRESH WATER LINE above centre of disc		Corresponding Freeboard
FRESH WATER LINE	" " "	" "
TROPICAL LINE INTERMEDIATE	" " "	" "
WINTER LINE below	" " <i>6 1/2"</i>	" "
WINTER NORTH ATLANTIC LINE	" " <i>15"</i>	" "

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

In this vessel is less than 250' 0" in length the Freeboard Report has not been compared with the approved plans as sketch in Rpt incomplete

[Signature]
 JUN 1938

The scantlings and pr the Load Line Rules it is submitted that the freeboards be assigned

[Signature] Chief Surveyor

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

on the *1st June 1938*

LR
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 Secretary

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 $\frac{\text{Difference}}{4} \times \left(\frac{1-E}{L} \right) =$	

	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	A					Percentage covered S/L =
						" " E/L =	
Forecastle							" " from Table line A, B, (corrected for absence of forecastle if required)
Trunk Aft							Percentage from Table by interpolation for Bridge
" Forward							less than .2L if required =
Tonnage Opening Aft							Deduction =
" " Forward							Percentage from Table for Tankers (or Timber ships) =
Totals							Deduction =

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	Mean Actual sheer aft =	Mean Actual sheer forward =
A.P.				1		" Standard " "	" Standard " "
$\frac{1}{3}$ L from A.P.				4			
$\frac{1}{3}$ L from A.P.				2			
Amidships				4		Length of enclosed superstructure forward of amidships =	Length of enclosed superstructure aft of amidships =
$\frac{1}{3}$ L from F.P.				2			
$\frac{1}{3}$ L " "				4			
F.P.				1			
				18			
Effective Mean Sheer						Sheer Correction = Difference $\times \left(.75 - \frac{S}{2L} \right) =$	
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.		

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 $\frac{d1}{d}$		ins.
Addition for Winter " " $\frac{d1}{3}$		ins.
" " N.A. Timber Freeboard (if required)		ins.

Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT SURVEY FOR FREEBOARD CONDITIONS OF ASSIGNMENT

SHIPS NAME OFFICIAL NUMBER
Nationality and Port of Registry

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead								
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks								
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances								
Deckhouses on flush deck ships								

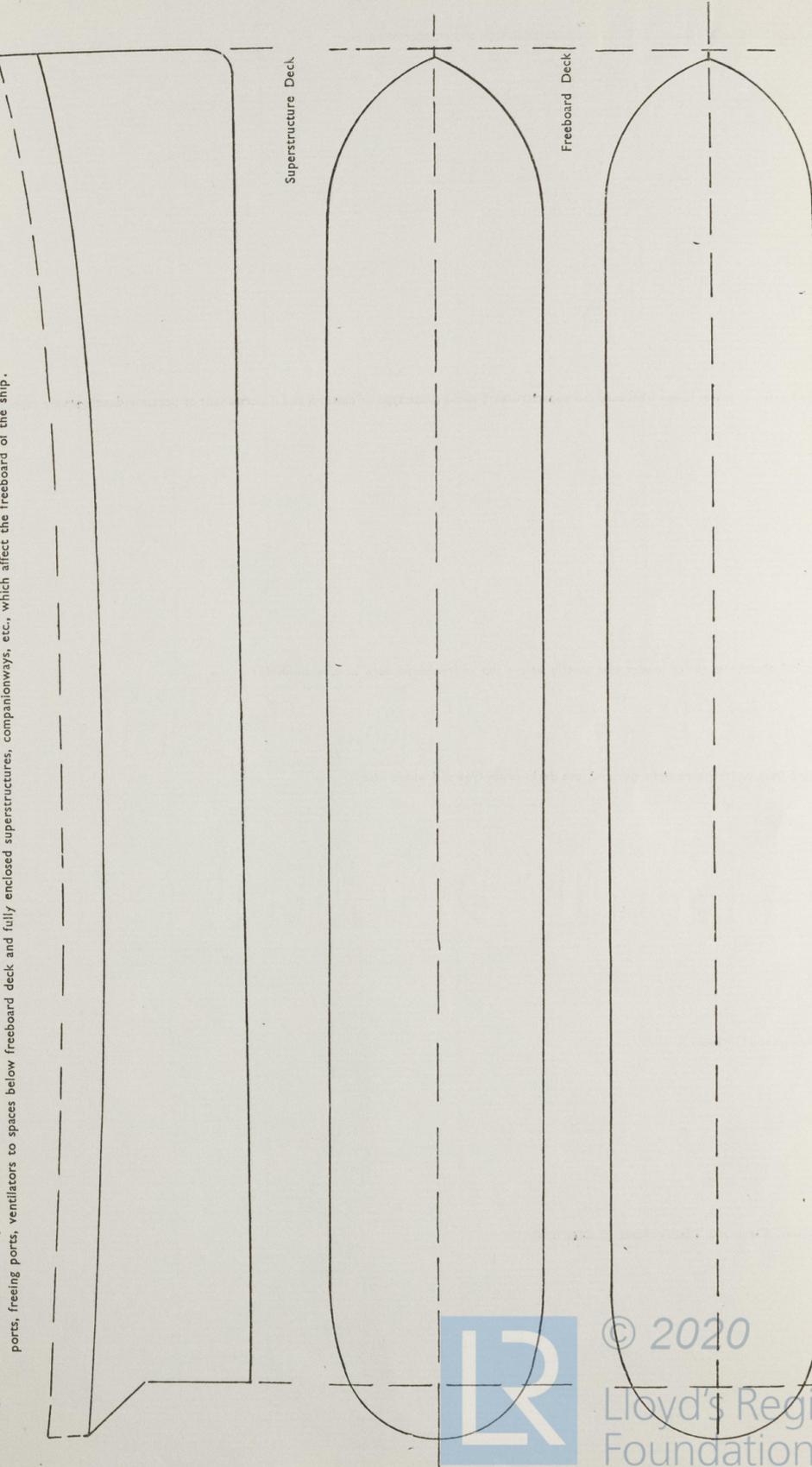
PARTICULARS OF CLOSING APPLIANCES (state if capable of being manipulated from both sides)

Poop Bulkhead	
R.Q.D. "	
Bridge Aft Bulkhead	
" Forward "	
Forecastle Bulkhead	
Exposed Machinery Casings on Freeboard or R.Q. decks	
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	
Deck houses on Flush Deck ships	

PARTICULARS OF FREEING ARRANGEMENTS

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well					
Forward Well					
State fore and aft position and height above deck to bottom of port, for each port			After Well		
			Forward Well		
State whether freeing ports are fitted with shutters, bars or rails, and give particulars					
Give particulars of freeing port area, etc., on superstructure decks					

Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionways, etc., which affect the freeboard of the ship.



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PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward

Dimensions of Hatchway

COAMINGS { Height } steel { deck
 above } wood {

Thickness { sides
 ends

Stiffeners

Brackets or Stays

HATCH BEAMS { Number

Spacing

Scantling and Sketch

Bearing Surface and thickness of carriers or sockets

FORE AND AFTERS { Number

Spacing

Unsupported lengths

Scantling and Sketch

Bearing Surface and thickness of carriers or sockets

HATCH COVERS { Material

Thickness

How Fitted

Bearing Surface

Spacing of Cleats

Number of Tarpaulins

Are tarpaulins in good condition and in accordance with rule requirements?

Are lashings provided in accordance with rule requirements?

Are wood fore and afters steel shod at all bearing surfaces?

Are battens and wedges efficient and in good condition?



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Give full particulars of the following :—

Fiddle, Funnel and Vent Coamings, Engine Room skylight and other openings in Machinery Casing tops and their means of closing (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)

Companionways on freeboard and superstructure decks (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves)

Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

Guard Rails on freeboard and superstructure decks (state type and where fitted)

Gangways and Lifelines

Gangway, Cargo and Coaling Ports in sides of ship

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

Is provision made for protection of steering gear?

Is emergency steering gear provided?

Are efficient sockets and eyes for lashings provided and properly spaced?

State particulars of longitudinal subdivision in double bottom

State particulars of Bulwarks and Rails

Particulars of any Special Features in the construction of the Ship

Endorsement at first survey and at surveys for Renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown in the form and are in good condition



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