250'-0" x 42'-9" x 26'-6"

1589

Form LL. 4.C. (Revised)

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

STEAMER, ~~TANKER, SAILER~~: "SELKIRK" S.S. WITH / ~~WITHOUT~~ TIMBER DECK CARGO

Nationality: British

Port of Registry: Montreal ✓

Official Number: 152859 ✓

Gross Tonnage: 2384 ✓

Date of Build: 9/1926

Builders' Name and No. of Ship: Davis S.B. & R. Co. Ltd

Owners: Canada S.S. Lines Ltd

Port and Date of Survey: Toronto, Ont. Mar 4/38

Name of Surveyor: E. Russell Macmillan

Names of Sister Ships: "WINNIPEG"

Particulars of Classification: B.S. ✳ (GREAT LAKES SERVICE & RIVER ST. LAWRENCE)

Type of Superstructures: Forecastle.

Trade of Ship: LAKES & RIVERS

Service Endorsement if any

SPECIAL FREEBOARD X TO AGREE WITH PROVISIONAL ASSIGNMENT

BEAMS O.K. FOR LIMITED GULF.

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....~~wood~~.....steel)			9'-1"
TROPICAL FRESH WATER LINE above centre of disc		Corresponding Freeboard	
FRESH WATER LINE	" " "	" "	
~~TROPICAL~~ INTERMEDIATE LINE	" " " 5½"	" "	9'-6½"
WINTER LINE	below " " 11"	" "	10'-0"
WINTER NORTH ATLANTIC LINE	" " "	" "	

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

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

~~Chief Surveyor~~ ASSISTANT CHIEF SURVEYOR

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft on the 3rd May 1938

~~Secretary~~ Assistant Secretary

1589

~~LAKE~~ COMPUTATION OF FREEBOARD

Length on summer load line 250'-0" Moulded Breadth 42'-9" Moulded Depth 26'-6" 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 $\frac{\Delta \times 35}{L \times B \times D \times .85}$ = .838

Displacement and tons per inch immersion in salt water at summer load line

Moulded depth		26·50
Stringer Plate	·42	
Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$		·035
Rise of floor (in sailers)		
Depth for Freeboard (D)		26·535
Table Depth	250/15	16·667
Depth Correction	~~250/130~~ ×	9·868
If restricted by superstructures	=	18·98

Deduction for Fresh Water $\frac{\Delta}{40\,T}$ = inches

Round of Beam Correction

Ships Round of Beam 10 inches

Standard Round of Beam $\frac{B \times 12}{50}$ 10·26

Difference ·26

Restricted to

Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right)$ = ·065 × ·8635

= ·06 ON,

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop						
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	34'-0"	3"	7'-6"	34·25		34·125
Trunk Aft						
,, Forward						
Tonnage Opening Aft						
,, ,, Forward						
Totals				34·25		34·125

Standard Height of Superstructure 6'-0"

,, ,, R.Q.D.

Percentage covered S/L = 13·70

,, ,, E/L = 13·65

,, from Table line A, B, (corrected for ~~absence of forecastle if required~~) 6·825

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

Deduction = 31 × ·06825 = 2·12.

Percentage from Table for Tankers (or Timber ships) =

Deduction =

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	27·0	35·0	27·0	1	27·0
⅛ L from A.P.	8·0	15·57	8·0	4	32·0
¼ L from A.P.	2·5	3·85	2·5	2	5·0
Amidships	-	-	-	4	-
¼ L from F.P.	4·5	7·70	4·5	2	9·0
⅛ L ,, ,,	15·0	31·15	15·0	4	60·0
F.P.	36·0	70·0	36·0	1	36·0
				18	169·0

Effective Mean Sheer = 9·389

Standard ,, ,, ·05L+5 = 17·5

Difference 8·111.

Mean Actual sheer aft / ,, Standard ,, ,, = less than 1.

Mean Actual sheer forward / ,, Standard ,, ,, = less than 1.

Length of enclosed superstructure forward of admidships / Length of Ship =

Length of enclosed superstructure aft of amidships / Length of Ship =

Sheer Correction = Difference X $\left(\cdot75 - \frac{S}{2L}\right)$ = 8·111 × ·6815

= 5·53 ON

If limited on account of midship superstructure =

,, to maximum allowance of 1½ ins. per 100 ft. =

TABULAR FREEBOARD ~~corrected for flush deck if required~~ = 29·90

Correction for co-efficient = $\frac{1·518}{1·36}$ = 33·37

DRAUGHTS AND SEASONAL CORRECTIONS

	+	−	
Depth correction	18·98		
Deduction for superstructures		2·12	
Sheer correction	5·53		
Round of Beam correction	·06		
Correction for thickness of deck amidships			
Other corrections, scantlings, etc.	53·18		
LOW COAMINGS AND TO AGREE WITH SERVICE DRAUGHT	77·75	2·12	+75·63

	~~Sailer, Tanker~~, Steamer	~~Timber~~
Depth to Freeboard Deck in feet	26·535 (~~26·535~~)	
Summer Freeboard in feet	9·083 4·652	= MIN. FREEBD
Moulded Draught (d)	17·452 21·883	(d1)
Addition for Keel	·093	
Extreme draught	17·545	
~~Deduction for Tropical and~~ addition for ~~Winter~~ freeboard d/4	= 5·47 ins.	
Addition for Winter ~~North Atlantic (if required)~~ d/12	= 10·94 ins.	
Deduction for Tropical Timber Freeboard $\frac{d}{d\,1}$	= ins.	
Addition for Winter ,, ,, $\frac{d\,1}{3}$	= ins.	
,, ,, N.A. Timber Freeboard (if required)	= ins.	

Summer Freeboard in inches S = 9'-1" = 109·0

Additional allowance for superstructures on

Timber carrying ships I + 5½ = 9'-6½ =

Summer Timber Freeboard in inches W + 11" = 10'-0"

MIN LAKE FREEBOARD = 55·82"

THE ABOVE MARKS ASSIGNED IN ORDER TO AGREE WITH PROVISIONAL MARKS ASSIGNED

b/2 S110

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		As originally built.						
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~~ aft.		1/4	3×2½×3	30"	overlap bars			7'6"

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

Poop Bulkhead

R.Q.D. ,,

Bridge Aft Bulkhead

,, Forward ,,

Forecastle Bulkhead — 2 doors - 59" x 25" x 1/4 steel - 19" sill. fit plate on door

Exposed Machinery Casings on Freeboard or R.Q. decks — Eng. Casing - inside house - 1/4 plty - Stiffrs. 3×2½×3 @ 30"

Exposed Machinery Casings on superstructure decks — Stokehold Ent. P+S. - Outer door - 61 x 24 x 1/4 - 16" Sill. (Inner door - frame but no door) } Steel casings in passage

Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances — Eng Room Ent - One door - 60" x 23 x 1¾" Solid hardwood - 16" sill, open stairway inside - surrounded by steel casings

Deck houses on Flush Deck ships — No fantail entrance

All doors open from both sides.

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		36" Bulwark in way of deckhouse aft - open rails elsewhere.			
Forward Well					

State fore and aft position and height above deck to bottom of port, for each port — After Well

Forward Well

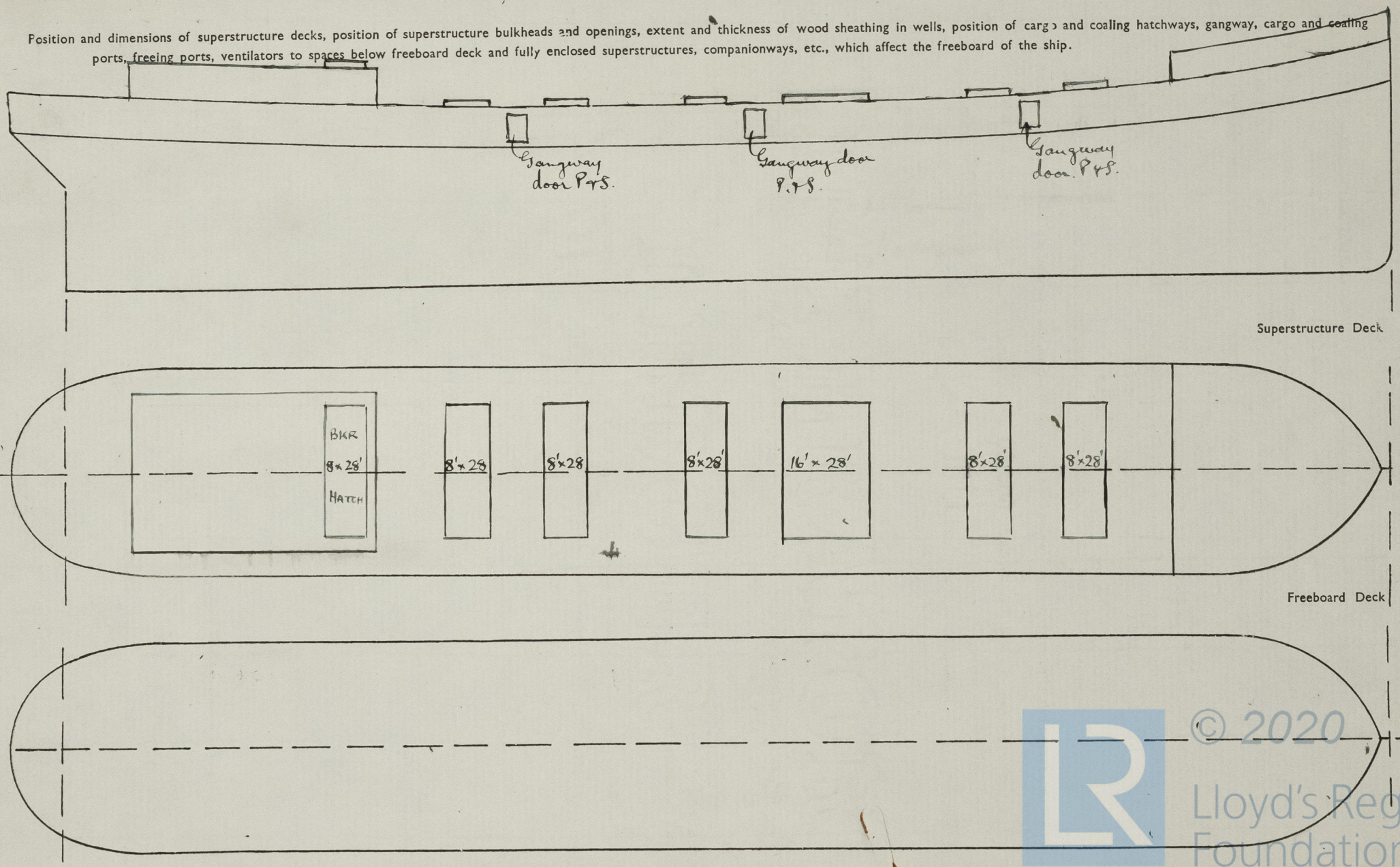
State whether freeing ports are fitted with shutters, bars or rails, and give particulars

Give particulars of freeing port area, etc., on superstructure decks

D IN 1937 AND WHICH ARE SATISFACTORY TO OWNERS.

0115 3/9

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.



1589

Office

January 31, 1939.

S.S. "SELKIRK"

Freeboard same as provisionally assigned. ✓

Door at engine room entrance to be plated over. ✓

Lifelines to be fitted. ✓

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

		← Upper deck →		On Dkhouse top – fwd end
Number and description of Hatchway from forward		1, 2, 4, 5 & 6	3	
Dimensions of Hatchway		8' × 28'	16' × 28'	8' × 28'
COAMINGS	Height above steel / wood deck	9"	12"	9"
	Thickness sides / ends	9 × 3" BA	12 × 3½" BA.	9 × 3½ BA.
	Stiffeners	None	None.	None
	Brackets or Stays	None	None	None.
HATCH BEAMS	Number	Fitted for 2 fore & afters & 1 wood thwartship beam, but no beams used. No 4 is now an elevator hatch	1 – fitted for 3 thwartship beams.	None.
	Spacing		8'0"	
	Scantling and Sketch		8" × 6½" wood	
	Bearing Surface and thickness of carriers or sockets		3½ × 3½ × ½ & 7 × 3½ × ½	
FORE AND AFTERS	Number		2.	None.
	Spacing		9' 4"	
	Unsupported lengths			
	Scantling and Sketch		⌐ L 3 × 3 × .46 – 15" × ⅜ ⌐	
	Bearing Surface and thickness of carriers or sockets	3½ × 3½ × ½	3½ × 3½ × ½	
HATCH COVERS	Material	Wood	As 1	Wood
	Thickness	2¾"	"	2¾
	How Fitted	F & A	"	F & A.
	Bearing Surface	3"	"	3"
Spacing of Cleats		27"	"	24"
Number of Tarpaulins		two	"	two

No exposed deck scuttles hatches.

Securing bars – 3½ × ⅜ flats – One on No 1, 2, 5 & 6
Two " No 3.
None on No 4 (Elevator hatch)

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

Are lashings provided in accordance with rule requirements? Securing bars fitted

Are wood fore and afters steel shod at all bearing surfaces? Yes. (beams)

Are battens and wedges efficient and in good condition? Yes.

0115 6/9

Give full particulars of the following :—

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

Fiddleys - 3" Coamings - hinged steel covers.
Funnel - riveted to plating - no coaming
F & B. Vents have high coamings
Eng Room skylight - steel
Bunker hatch (abaft funnel) - 9" B.A. coaming ; 2¾ wood covers, 4 ft long
Cleats @ 24" - 3½ x ⅜ flat - securing bar.

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

None

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)

None.

Windlass inside forecastle - steel plates are fitted for inboard ends of hawse pipes.

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)

Forecastle deck - 6" S & M Vents.

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

Forecastle deck - none.

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

Discharges forward (from forecastle)
In store - W.C. discharge star^d - clapper valve on outlet
" " - Scupper from windlass room - short pipe - no valve
In Tween dks - Port: - 1 W.C. & 1 drain - clapper valves on outlets.
" " " - 1 drain - outlet 9" below freeb^d dk - no valve
" " - Star - 1 drain - clapper valve on outlet.

Discharges aft - (from deckhouse)
In machinery space - W.C's, drains &c - outlets have clapper valves.
except 1 drain Port side Eng Room - outlet 18" below freeb^d dk - no valve.

Ashgun - hinged cover on hopper; hinged flap with lever, on outlet.

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

Forecastle side scuttles have hinged metal covers.
Forecastle bulkhead - " " " "
Engine Room - no side scuttles.

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)

Open rails - 2 tier rod (or wire) forward of bulwark aft - on freeboard deck - portable in way of hatches.

Gangways and Lifelines Lifelines to be fitted?

Gangway, Cargo and Coaling Ports in sides of ship

Gangway door - P & S. - in Engine Room - good strong W.T. door as originally fitted.

Cargo doors - in tween decks - 3 each side, as originally fitted

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

0115 9/9