

LL. 4.C.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

788

SURVEY FOR FREEBOARD

STEAMER, ~~TANKER, SAILED~~ ^{SWEDISH} ROSEBANK SS. (ex CANADIAN OBSERVER) WITH ~~WITHOUT~~ TIMBER DECK CARGO
 Nationality ~~British (Canadian)~~ Builders' Name and No. of Ship ~~Bollingwood S.B. Co. Ltd.~~ N^o. 66
 Port of Registry ~~Vancouver~~ STOCKHOLM. Owners ~~Hingley Navigation Co. Ltd.~~
 Official Number ~~141761~~ A.B. NORDFART, STOCKHOLM.
 Gross Tonnage 2410
 Date of Build 6/1920 Port and Date of Survey Vancouver, B.C. 15/6/33
 Name of Surveyor H. A. Wallace
 Particulars of Classification Unclassed (Class withdrawn) Names of Sister Ships CANADIAN FARMER, KINGSLEY
 Type of Superstructures Poop, Bridge and Forecastle. CANADIAN BEAVER

Give full particulars of the following:—

Fiddley and Funnel Coamings (state height of coamings, type of fiddley covers, and if these are permanently attached in their proper positions)

Fiddley coaming 12" above boat deck, fitted with wood hatch covers, tarpaulins, wedges, etc. Small fiddley fitted with flanged covers. Funnel rivetted direct to casing top boat deck.

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)

Small steel companion with steel door closed from both sides and 12" sill in poop deck.

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

Cowl vents on upper and boat decks. Coamings 30" high and 3/8" thick. Rivets to deck spaced 4" dia. Usual wood plugs and canvas covers fitted.

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

Goose neck ^{Pipes.} on upper deck 30" clear to openings. Canvas covers provided.

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

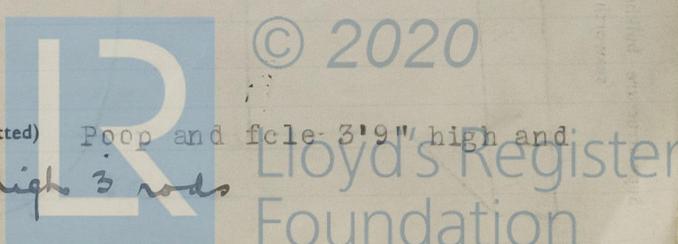
Four 4 1/2" sanitary discharge wrought iron pipes fitted with clack valves in casting.

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

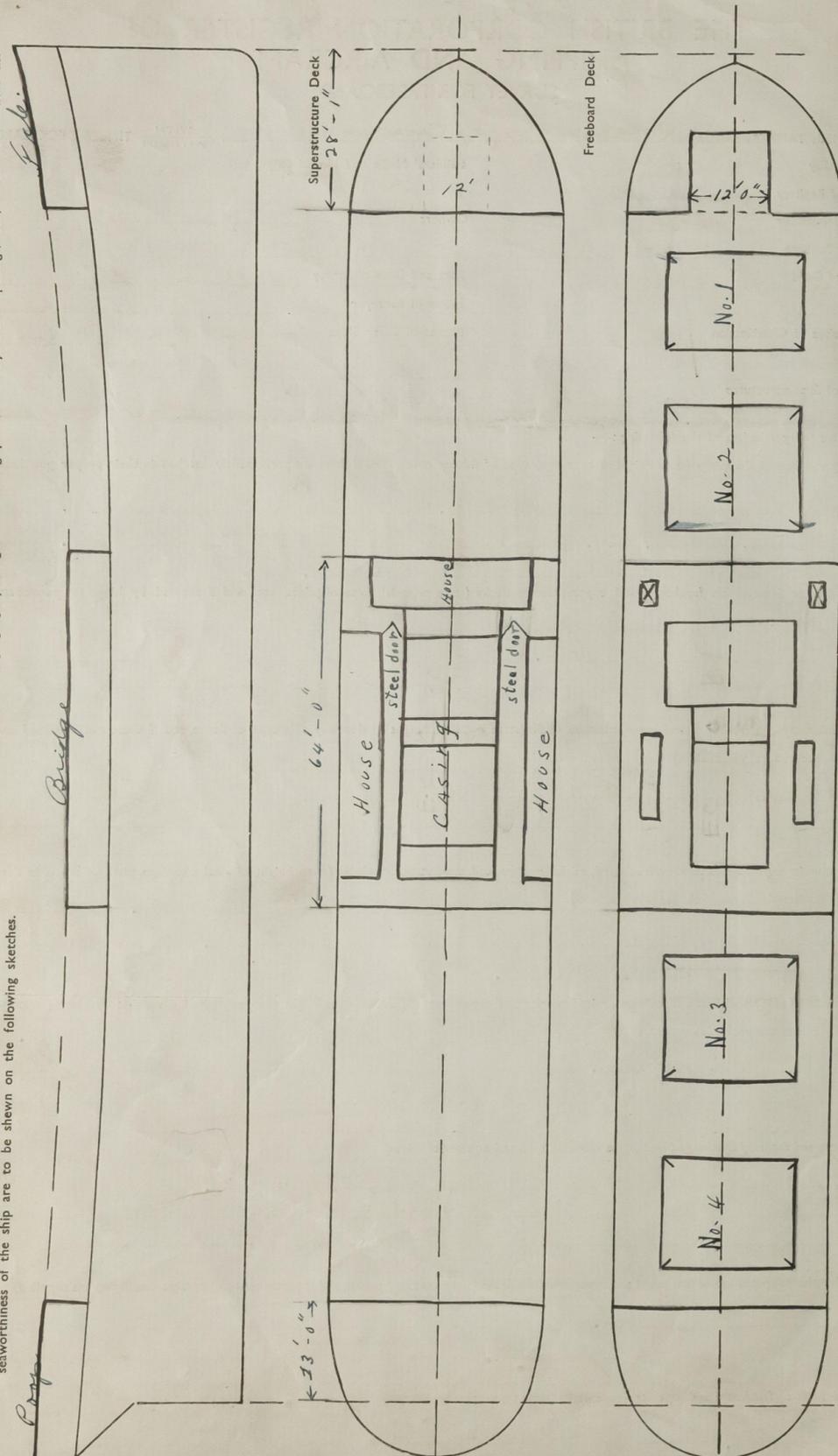
None.

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

Poop and fore 3'9" high and 3 bars, Ends of Bridge 3'-6" high 3 rods



Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatches, extent and thickness of deck sheathing, gangway, cargo, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches.



Statement of special features in the construction of the ship

For other figures see N0767 (Canadian form)

COMPUTATION OF FREEBOARD.

Length on summer load line 251' Moulded Breadth 43'-6" Moulded Depth 26'-0 7/8" 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 $\frac{\Delta}{40T} =$ inches
 Stringer Plate Round of Beam Correction
 Sheathing on exposed deck T $(\frac{L-S}{L})$ Ships' Round of Beam 10.0 inches
 Rise of floor (in sailers) Standard Round of Beam $\frac{B \times 12}{50} = 10.44$
 Depth for Freeboard (D) Difference .56
 Table Depth Restricted to
 Depth Correction Correction $\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) = .14 \times .5437$
 If restricted by superstructures .076

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	22.89	.29	7'	23.18	-	23.04
Raised Quarter Deck	F	-	-	-	-	-
Bridge	64.	.29	7'	64.29	-	64.22
Forecastle	28.11	.29	7'	28.4	-	27.28
Trunk Aft						
Forward						
Tonnage Opening Aft						
Forward						
Totals				115.87		114.54

Standard Height of Superstructure 601
 " " R.Q.D. -
 Percentage covered S/L = 46.16
 " " E/L = 45.63
 " from Table line A, B, (corrected for absence of fore-castle if required) 32.285
 Percentage from Table by interpolation for Bridge less than .2L if required =
 Deduction = $31.1 \times 32.285 = 10.04$
 Percentage from Table for Tankers (or Timber ships) 66.519
 Deduction = $31.1 \times 66.519 = 20.687$

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	41.5			1	
1/2 L from A.P.	30.19			4	
1/4 L from A.P.	24.5			2	
Amidships	0			4	
1/4 L from F.P.	28			2	
1/2 L	31.5			4	
F.P.	71.5			1	
				18	

Mean Actual sheer aft = over 1
 " Standard " " =
 Mean Actual sheer forward =
 " Standard " " =
 Length of enclosed superstructure forward of amidships = over .16
 Length of Ship
 Length of enclosed superstructure aft of amidships =
 Length of Ship
 Sheer Correction = Difference $\times (75 - \frac{S}{2L}) = 1.339 \times .5192 = .6952$
 If limited on account of midship superstructure =
 " to maximum allowance of 1 1/2 ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required = 32.51
 Correction for co-efficient = $\times \frac{1.4507}{1.26} = 34.68$ DRAUGHTS AND SEASONAL CORRECTIONS

	+	-
Depth correction	18.03	
Deduction for superstructures		10.04
Sheer correction		.7
Round of Beam correction		.08
Correction for thickness of deck amidships		
Other corrections, scantlings, etc.		
	18.03	10.82
		7.21

Summer Freeboard in inches = 41.89
 Additional allowance for superstructures on Timber carrying ships = 16.65
 Summer Timber Freeboard in inches = 31.24

	Sailer, Tanker, Steamer	Timber
Depth to Freeboard Deck in feet	26.072	26.072
Summer Freeboard in feet	3.491	2.603
Moulded Draught (d)	22.581	23.469 (d1)
Addition for Keel	.06	
Extreme draught approx	22.734	
Deduction for Tropical and addition for Winter freeboard $d/4 = 5.64$ ins. $W/47.53$		
Addition for Winter North Atlantic (if required)		7.64 ins. 49.55
Deduction for Tropical Timber Freeboard $\frac{d1}{4}$		5.84 ins. 25.39
Addition for Winter " " $\frac{d1}{3}$		7.82 ins. 39.06
" " N.A. Timber Freeboard (if required)		ins.

Assigned 4/7/33

	wood	steel	1065
SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (wood steel) 3'-6" 1065			
TROPICAL FRESH WATER LINE above centre of disc 12" 305 mm			Corresponding Freeboard 2'-6" 760
FRESH WATER LINE " " 6" 150 mm			" " 3'-0" 915
TROPICAL LINE " " 6" 150 mm			" " 3'-0" 915
WINTER LINE below " " 5 1/2" 140 mm			" " 3'-11 1/2" 1205
WINTER NORTH ATLANTIC LINE " " 7 1/2" 190 mm			" " 4'-1 1/2" 1255
SUMMER TIMBER FREEBOARD recommended amidships from centre of disc to top of deck line (Timber)			
TROPICAL FRESH WATER Timber line above centre of disc 1 1/2"			Corresponding Freeboard 1'-7 1/2"
FRESH WATER " " " " 6"			" " 2'-1"
TROPICAL " " " " 5 1/2"			" " 2'-11 1/2"
WINTER " " below " " 8"			" " 3'-3"
WINTER NORTH ATLANTIC " " " " 10 1/2"			" " 4'-1 1/2"

	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	.34	.34	2 x 3 1/2 x 3	30"		none	-	-
R.Q.D. "								
Bridge Aft Bulkhead	.34	.34	2 1/2 x 3 1/2 x 3	30"		lugged at top 4'-6" x 3'-0"	15"	-
" Forward "	.34	.34	6-3/4 x 3 1/2	30"		blacked at bottom 2'-6" x 3'-6"	19"	-
Fore-castle Bulkhead	.34	.34	4 1/2 x 3 1/2 x 3	30"		none	-	-
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks	.32	.32	3/2 x 3 1/2 x 32	.36	BX'S @ T.O.P. A @ 5' x 2'	Protected by steel deckhouse	18"	7'-0"
Machinery Casings within Super-structures 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: No opening. Steel door operated from both sides.
 R.Q.D. " :
 Bridge Aft Bulkhead: Hinged steel doors.
 " Forward " : Hinged w.t. steel doors.
 Fore-castle Bulkhead: none
 Exposed Machinery Casings on Freeboard or R.Q. decks :
 Exposed Machinery Casings on superstructure decks : Protected Hinged steel doors cas. both sides
 Machinery Casings within Super-structures not fitted with Cl. 1. Closing Appliances :
 Deck houses on Flush Deck ships :

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well	69'-5"	3'-10"	3 a 3'-0" x 1'-9"	15.75	13.88
Forward Well	65'-8"	3'-10"	3 a 3'-0" x 1'-9"	15.75	13.14
State fore and aft position and height above deck to bottom of port, for each port			After Well 8'-0" from aft end and 8'-0" from fore end Forward Well 6'-6" from aft end 14'-6" " " 13		
State whether freeing ports are fitted with shutters, bars or rails, and give particulars			2 Bars 2020		
Give particulars of freeing port area, etc., on superstructure decks					



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	1	2	3	4
COAMINGS Dimensions of Hatchway Height } steel { deck above } wood { Thickness { sides ends	20' x 20' 3'-6" .5"	24' x 20' 3'-6" .5"	24' x 20' 3'-6" .5"	20' x 20' 3'-6" .5"
HATCH BEAMS Stiffeners Brackets or Stays	7 x 3 1/2" x 50 B.A. { 2 each side as I fore and aft { 1 aft and 1 on fore side			
HATCH BEAMS Number Spacing Scantling and Sketch	5' 4'-9 1/2" 7 1/2" x 4 x 3 x 14 18 x 138	4 4'-9 1/2" as N° 1	4 4'-9 1/2" as N° 1	3 5' as N° 1
FORE AND AFTERS Bearing Surface and thickness of carriers or sockets	3" ?	3"	3"	3"
HATCH COVERS Material Thickness How Fitted Bearing Surface Spacing of Cleats Number of Tarpaulins	B.C. Fir 3" F+A 3" 2 1/2" 2	do 3" F+A do " "	do 3" F+A do " "	do 3" F+A do " "

none

[Surveyors are to note that wood fore and afters are to be steel shod at all bearing surfaces.]

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

Gangways and Lifelines

None Required

Gangway, Cargo and Coaling Ports in sides of ship

None

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructures and Machinery Casings comply with rules?

Yes

Is provision made for protection of steering gear, and is emergency steering gear provided?

Yes

Are efficient uprights, sockets and lashings provided according to rules?

Yes

State particulars of longitudinal subdivision in double bottom

All fore and aft

State particulars of Bulwarks and Rails

Approval date of plans and full particulars of arrangements for stowing and securing timber

The scantlings and protective arrangements being in accordance with the Freeboard rules it is submitted that the freeboard be assigned

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

on the 2nd August 1933.

 Chief Surveyor.
 Secretary.