

3828-19

(1906)

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LL. 4.C.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

419

SURVEY FOR FREEBOARD

STEAMER, TANKER, SAILER: "SOUTHERN CHIEF" S.S. WITH TIMBER DECK CARGO
 WITHOUT

Nationality British Builders' Name and No. of Ship Smith's B. Co. Ltd.
 Port of Registry Stanley F.I. No. 827
 Official Number 139445 ✓ Owners
 Gross Tonnage 295 ✓ Southern Whaling & Sealing Co. Ltd.
 Date of Build 9/1926 Port and Date of Survey Middlebrough July 1932
 Name of Surveyor John Outken
 Particulars of Classification B.S.* Names of Sister Ships "Southern Foam"
 Type of Superstructures (Whaling purposes)
Flush deck

Give full particulars of the following:—

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

2 B basing of steel 6'6" above upper deck. Fiddle openings on top, 3" angle coaming & steel hinged covers

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment) No bunker scuttles

After lead laid outside bunker deck vented from manhole in deck fitted with flush bolted plate & ordinary manhole cover steel pipe in deck. plate cover not permanently attached joint white lead & packing. 2" x 20 manhole hole in cover. close bolted plate same as to aft lead vent

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)

Companion to crew space front of steel, door sill 1/4" above wood deck wood door in two halves vertically closed & secured both sides

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)

2 way & 8" Stokes ventilators on casing top
Vent to crew food on top of skylight coam 1/4" above wood deck. stove funnel same place coam 33" wood plugs & canvas covers.

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

Air pipes aft 16" high closed gauge
Air pipe to F.W Tank food closed gauge 18" high

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

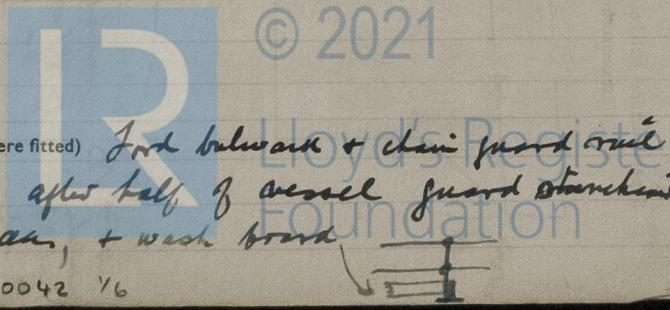
upper deck scupper iron head this shell close below deck
Sanitary discharge cast brass with one valve to shell, iron pipes

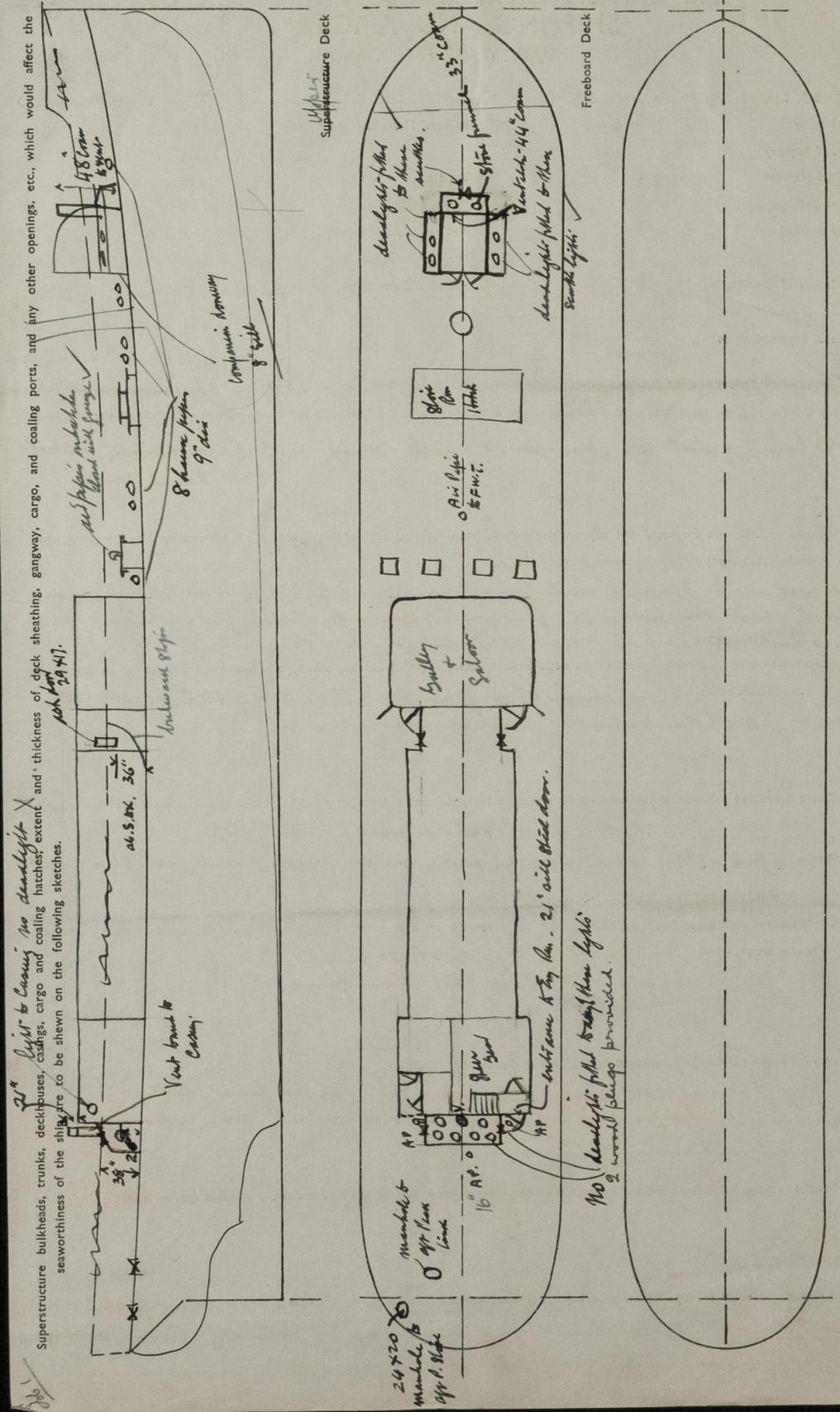
Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

none

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

Iron bulwark & chain guard rail
on top total height 36" above wood deck after half of vessel guard stanchions
+ 2 wire ropes 39" above shell deck, + wash board





Statement of special features in the construction of the ship

COMPUTATION OF FREEBOARD.

Length on summer load line 121.75' Moulded Breadth 24'-6" Moulded Depth 14'-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 $\frac{\Delta \times 35}{L \times B \times D \times 85}$
 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 $\left(\frac{L-S}{L}\right)$ 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 $\frac{\text{Difference}}{4} \times \left(\frac{1-E}{L}\right)$
 If restricted by superstructures

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

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.				1	
1/2 L from A.P.				4	
1/4 L from A.P.				2	
Amidships				4	
1/4 L from F.P.				2	
1/2 L				4	
F.P.				1	
				18	

Effective Mean Sheer =
 Standard05L + 5 =
 Difference =

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 =

Depth to Freeboard Deck in feet
 Summer Freeboard in feet
 Moulded Draught (d)
 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 $\frac{d1}{4}$ = ins.
 Addition for Winter $\frac{d1}{3}$ = ins.
 Summer Timber Freeboard (if required) = ins.

All seasons

FREEBOARD recommended amidships from centre of disc to top of deck line, (.....) steel

Line	Position	Corresponding Freeboard
TROPICAL FRESH WATER LINE	above centre of disc	2'-2"
FRESH WATER LINE	" " "	1'-11 1/2"
TROPICAL LINE	" " "	-
WINTER LINE	below " " "	-
WINTER NORTH ATLANTIC LINE	" " "	-

SUMMER TIMBER FREEBOARD recommended amidships from centre of disc to top of deck line

Line	Position	Corresponding Freeboard
TROPICAL FRESH WATER Timber line	above centre of disc	-
FRESH WATER	" " "	-
TROPICAL	" " "	-
WINTER	" " below " " "	-
WINTER NORTH ATLANTIC	" " "	-

	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 on R.Q. Decks						25 plating vertically 2 1/2 x 2 1/2 x 1/4 + 3" flange	2 1/2 x 48 bulkhead 10 1/2 x 23 beam 5 1/2 x 23	21" above wood deck 6-6 5/8"
Exposed Machinery Casings on superstructure decks								
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances						42 x 48 bulkhead 10 1/2 x 23	22" above steel deck	22" above steel deck
Deckhouses on flush deck ships						25 plating vertically 2 1/2 x 2 1/2 x 1/4 + 3" flange	10 1/2 x 23	22" above steel deck

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 on R.Q. decks } 1 steel door at after end of St. Seal House worked both sides no stockhold doors in casing sides
 Exposed Machinery Casings on superstructure decks
 Machinery Casings within superstructures not fitted with Cl. 1. Closing Appliances }
 Deck houses on Flush Deck ships } Steel door to Gully worked both sides

This house has no connection with the inside of the ship

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					
State whether freeing ports are fitted with shutters, bars or rails, and give particulars					
Give particulars of freeing port area, etc., on superstructure decks					

27" bulwark on fore half of ship
 no weak ports - but 8" circular 9" dia lower part on side, abt 7" above deck
 open rails after half of vessel.

assigned 18/7/52 1906

