

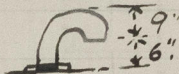
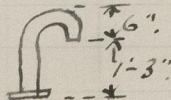
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THE BRITISH CORPORATION REGISTER OF  
SHIPPING AND AIRCRAFT  
SURVEY FOR FREEBOARD

STEAMER, TANKER, SAILER: "FORELAND" S.S. (ex Montazah) RANGE 10  
Nationality British Builders' Name and No. of Ship Baldron S & Co., Ltd.  
Port of Registry London Sunder Nº 240  
Official Number 143495 Owners Leith, Hull & Hamburg Stevedoring Co., Ltd.  
Gross Tonnage 1331 Port and Date of Survey LIVERPOOL, 11/32.  
Date of Build 11/1919 Name of Surveyor Alex. M. Kennedy  
Particulars of Classification B.S. X Names of Sister Ships Baldron, Cortes, Sunder, Finland  
Type of Superstructures Complete superstructure with middle line opening aft  
Quero, Lady Emerald, Lady Patricia, Western Coast.

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)

STEEL FIDLEY COVERS <sup>permanently</sup> ATTACHED IN POSITION ON TOP OF CASING.Flush Bunker Scuttles on ~~freeboard and~~ superstructure deck (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)ONE PORT & ONE STARBOARD AT COAL BUNKERS AMIDSHIPS; <sup>none</sup>  
OF CAST IRON, HEMP JOINT. COVER SECURED BY STEEL BAR ACROSS &  
PERMANENT CHAIN ATTACHMENT.Companionways on ~~freeboard and~~ superstructure deck (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)OPENING TO CREW'S QUARTERS AFT ARE IN  
STEEL DECK HOUSE. 15" SILL. Riveted steel doorVentilators in exposed positions on ~~freeboard, raised quarter and~~ superstructure deck (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements) → WOOD PLUGS AND CANVAS COVERS, 94 DIAMS.COWL VENTILATOR COAMINGS = 36" & 39" HIGH.1 CAST IRON SWAN NECK  
A.F.S. AT BUNKERS } =Airpipes in exposed positions on ~~freeboard, raised quarter and~~ superstructure deck (state height to opening and if satisfactory closing arrangements are provided) → CANVAS COVERS,CAST IRON AIR PIPES, SWAN NECKS,  
ALL AS PER SKETCH.

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

CAST IRON SCUPPERS FROM } FIVE PORT & } FITTED WITH STORM VALVES, ALSO STUDDED ✓  
FREEBOARD (UPPER) DECK. } FIVE STARBOARD } PLATES AT INBOARD ENDS, PENETRATE SHELL AT UPPER DECK.  
DISCHARGE STEEL PIPES } SIX PORT & } FITTED WITH BRASS STORM VALVES. ✓  
FROM ALCOHOL ON SHELTER DECK } FIVE STARBOARD } PENETRATES SHELL AT 12" TO 24" ABOVE UPPER DECK.Side Scuttles to spaces below ~~freeboard and~~ superstructure deck (state type or pattern, and if permanent or portable deadlights are supplied)BELOW SHELTER DECK, AFT END, SCUTTLES OF ORDINARY TYPE  
HAVING INNER HINGED DEADLIGHTS.

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

3'-3" BULWARK AT BOW & STERN; TWO ROD OPEN RAILS, 3'-3" HIGH  
BETWEEN.

005167-005173-0002 1/7



A vertical strip of a manuscript page, likely from a historical text. It features a column of text written in a cursive script. A large, ornate initial 'S' is visible at the top of the strip. The text is written on a light-colored background, possibly parchment or paper, with some visible texture and slight discoloration. The strip is oriented vertically, showing a portion of the original page's layout.

345

6- OCT 1950

$$3/7$$

## Superstructure Deck

OK - Coal Saddle

3

1

Coal

9

C

1

一

Learning batches

Freeboard Deck

Statement of special features in the construction of the ship

2/7

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS  
*SHELTER DECK.* 21,000

COAMINGS									
Number and description of Hatchway from forward	Dimensions of Hatchway		Height steel above deck	Thickness of sides	Thickness of ends	Stiffeners	Brackets or Stays	Number	Spacing
			wood						
1	16' x 14'	As 1.	32" at sides	5"	4"	8" x 3" x 5" B.A. ALL ROUNDED.	2 STAYS.	2	5'-4"
2	20' x 14'	As 1.	As 1.	As 1.	As 1.	As 1.	4 STAYS.	4	6'-0"
3	25' x 14'	As 1.	As 1.	As 1.	As 1.	As 1.	3 STAYS.	4	5'-7 1/4"
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[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?

Are battens and wedges efficient and in good condition ?

Are tarpaulins in good condition and in accordance with rule requirements

Are lashings provided in accordance with rule requirements?

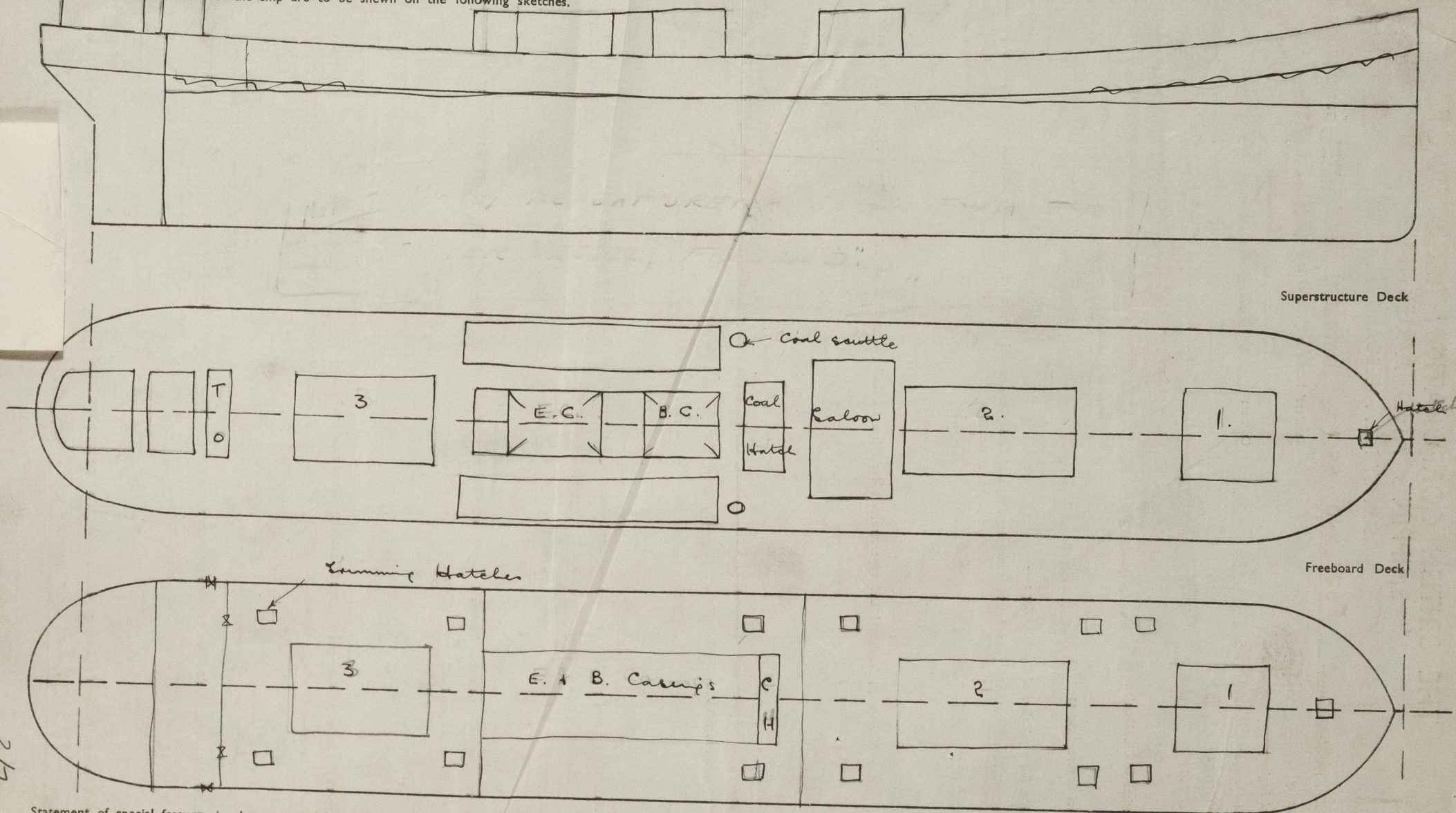
5/2

1/2

33



Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatches, extent and thickness of deck sheathing, gangway, cargo, and coaling ports, 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

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward												
Dimensions of Hatchway												
COAMINGS												
COAMINGS	Height above steel deck	32" at sides	Asl.	Asl.	Asl.	12"x3 1/2"x50 A.	9"x3 1/2"x50 A.	← Do.	← Do.	← Do.	← Do.	
	Thickness sides ends	5" 44"	Asl.	Asl.	Asl.	✓	✓	✓	✓	✓	✓	
	Stiffeners	8"x3"x50 A. ALL ROUND.	Asl.	NONE	8"x3"x50 A. ALL ROUND.	✓	✓	✓	✓	✓	✓	
	Brackets or Stays	2 STAYS.	4 STAYS.	NONE.	3 STAYS.	✓	✓	✓	✓	✓	✓	
HATCH BEAMS												
HATCH BEAMS	Number	2	4	1	4	3	6	5	5	5	5	
	Spacing	5'-4"	6'-0"	4'-0"	5'-7 1/4"	4'-6"	4'-10 1/4"	4'-8"	4'-8"	4'-8"	4'-8"	
	Scantling and Sketch	W. 16x32 Ls 5x31 A. 42 Top Ls 3x31 A. 42 Btm 3 1/2" x 1 1/2"	W. 16x3 Ls 3x31 A. 42 Top Ls 3x31 A. 42 Btm 3 1/2" x 1 1/2"	Asl.	Asl.	W. 14"x36" Ls 3"x31"x42" T. & B. 3 1/2" x 1 1/2" 3 1/2" x 3 1/2" x 1 1/2"	W. 14"x36" Ls 3"x31"x42" T. & B. 3 1/2" x 1 1/2" 3 1/2" x 3 1/2" x 1 1/2"	← Do.	W. 12 1/2"x38" Ls 3"x31"x38" T. & B. 3 1/2" x 1 1/2" 3 1/2" x 3 1/2" x 1 1/2"	W. 12 1/2"x38" Ls 3"x31"x38" T. & B. 3 1/2" x 1 1/2" 3 1/2" x 3 1/2" x 1 1/2"	W. 12 1/2"x38" Ls 3"x31"x38" T. & B. 3 1/2" x 1 1/2" 3 1/2" x 3 1/2" x 1 1/2"	W. 12 1/2"x38" Ls 3"x31"x38" T. & B. 3 1/2" x 1 1/2" 3 1/2" x 3 1/2" x 1 1/2"
	Bearing Surface and thickness of carriers or sockets	3 1/2" x 3 1/2" x 1 1/2"	Asl.	Asl.	Asl.	3 1/2" x 3 1/2" x 1 1/2"	3 1/2" x 3 1/2" x 1 1/2"	3 1/2" x 3 1/2" x 1 1/2"	3 1/2" x 3 1/2" x 1 1/2"	3 1/2" x 3 1/2" x 1 1/2"	3 1/2" x 3 1/2" x 1 1/2"	
FORE AND AFTERS												
FORE AND AFTERS	Number											
	Spacing											
	Unsupported lengths											
	Scantling and Sketch											
HATCH COVERS												
HATCH COVERS	Material	WOOD.				WOOD.	WOOD.			WOOD.	STEEL.	
	Thickness	3"	Asl.	Asl.	Asl.	2 1/2"	3"	← Do.	← Do.	3"	38"	
	How Fitted	Asl.	Asl.	Asl.	Asl.	F. & A.	F. & A.	← Do.	← Do.	ACROSS.	Asl.	
	Bearing Surface	3"	Asl.	Asl.	Asl.	3"	3"	← Do.	← Do.	3"	Asl.	
Spacing of Cleats												
Number of Tarpaulins												

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

Are battens and wedges efficient and in good condition?

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

Are lashings provided in accordance with rule requirements?

YES.  
YES.  
YES.

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



RANGE

Typ. as Finland

3

# COMPUTATION OF FREEBOARD.

Length on summer load line 240 Moulded Breadth 38'0" Moulded Depth 18'0" Depth of Keel

Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 2945 Tons

Co-efficient of fineness for use with tables  $\frac{\Delta \times 35}{L \times B \times D \times 85} = 6564$  use 68 minimum

Displacement and tons per inch immersion in salt water at summer load line 3525 & 19.3

Moulded depth 18'0 Deduction for Fresh Water  $\frac{\Delta}{40T} = 4.565 = 4\frac{1}{2}$  inches

Stringer Plate 36'03 Round of Beam Correction

Sheathing on exposed deck T  $(\frac{L-S}{L})$  0.3 Ships Round of Beam 9.5 inches

Rise of floor (in sailers) Standard Round of Beam  $\frac{B \times 12}{50} = 9.12$

Depth for Freeboard (D) 18.03 Difference 39

Table Depth 8 Restricted to

Depth Correction  $\frac{1}{30} \times 0.3 = 0.062$  Correction  $\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) = 0.095 \times 0.149 = 0.013$

If restricted by superstructures - say nil

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	16.64	8'		24.64		20.64
Raised Quarter Deck		F				
Bridge	24.4	A	8'0	241.36		241.36
Forecastle	241.36					
Trunk Aft						
Forward						
Tonnage Opening Aft	4'			4		4
Forward						
Totals				270		266

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	38.25	37		1	38.25
1/2 L from A.P.	16.5	16.46		4	66
1/2 L from A.P.	4	4.06		2	8
Amidships	0	0		4	0
1/2 L from F.P.	10	8.14		2	20
1/2 L	36.25	32.92		4	145
F.P.	84.5	74		1	84.5
				18	361.75
Effective Mean Sheer					$\frac{20.097}{12} = 1.675$
Standard " "					$\frac{27.297}{18} = 1.516$
Difference					3.797

Standard Height of Superstructure 6.2

" " R.Q.D. -

Percentage covered S/L = 100

" " E/L = 98.52

" from Table line A, 2, (corrected for absence of forecastle if required) 98.18

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

Deduction =  $33 \times 98.18 = 32.4$

Percentage from Table for Tankers (or Timber ships) =

Deduction =

Mean Actual sheer aft =

" Standard " "

Mean Actual sheer forward =

" Standard " "

Length of enclosed superstructure forward of amidships =

Length of Ship

Length of enclosed superstructure aft of amidships =

Length of Ship

Sheer Correction = Difference  $\times (\frac{75}{2} - \frac{S}{L}) = 3.797 \times 25 = 94.925$

If limited on account of midship superstructure =

" to maximum allowance of  $1\frac{1}{2}$  ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required = 36.5

Correction for coefficient =

	+	-
Depth correction	0.06	
Deduction for superstructures		32.4
Sheer correction		2.2
Round of Beam correction		
Correction for thickness of deck amidships		
Other corrections, scantlings, etc.	0.06	34.6

## DRAUGHTS AND SEASONAL CORRECTIONS

	Sailer, Tanker, Steamer	Timber
Depth to Freeboard Deck in feet	18.03	
Summer Freeboard in feet	16.7	
Moulded Draught (d)	17.863	(d1.)
Addition for Keel	.17	
Extreme draught	18.033 = 18'0" 2 app.	

Deduction for Tropical and addition for Winter freeboard  $d/4 = 4.47$  ins.

1.96 = 2" minimum

Addition for Winter North Atlantic (if required) = 6.47 ins.

Deduction for Tropical Timber Freeboard  $\frac{d}{4} = 4.47$  ins.

Addition for Winter " "  $\frac{d}{3} = 3.54$  ins.

" " N.A. Timber Freeboard (if required) = ins.

Summer Freeboard in inches =

Additional allowance for superstructures on

Timber carrying ships =

Summer Timber Freeboard in inches =

4/7

4

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (wood steel) 0'-2" 7'-10" -7

TROPICAL FRESH WATER LINE above centre of disc 4 1/2 9 Corresponding Freeboard 0'-2 1/2 7'-1"

FRESH WATER LINE " " 4 1/2 4 1/2 " " 0'-2 1/2 7'-5 1/2"

TROPICAL LINE " " 0 4 1/2 " " 0'-2 7'-5 1/2"

WINTER LINE below " " 4 1/2 4 1/2 " " 0'-6 2' -5

WINTER NORTH ATLANTIC LINE " " 6 1/2 6 1/2 " " 0'-8 2'

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

TROPICAL FRESH WATER Timber line above centre of disc Corresponding Freeboard

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	38"	38"	4"x3"x38" O.A.	24"	BKTS. T. & B.	NONE.	✓	✓
R.Q.D. "								
Bridge Aft Bulkhead	38"	38"	5"x3"x38" O.A.	26"	UNATTACHED.	2 @ 5' x 3'	22"	✓
" Forward "								
Forecastle Bulkhead								
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks	38"	30"	3"x3"x32" O.A.	24"	BKTS. TOP & B. UNATTACHED OTHERWISE.	3 P.R.S. @ 5' x 2'	16"	8'-4"
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances	"	"	"	"	UNATTACHED.	✓	✓	8'-0"
Deckhouses on flush deck ships								

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

Poop Bulkhead NONE.

R.Q.D. "

Bridge Aft Bulkhead PORTABLE STEEL PLATES, WITH HOOK BOLTS 9" APART.

" Forward "

Forecastle Bulkhead

Exposed Machinery Casings on Freeboard or R.Q. decks

Exposed Machinery Casings on superstructure decks 3 HINGED STEEL DOORS (P. & S.) OPENS FROM BOTH SIDES.

Machinery Casings within superstructures not fitted with Cl. 1. Closing Appliances NO OPENINGS.

Deck houses on Flush Deck ships

Note! Freeing ports closed up & 5" N.R. screwdown valves fitted, operated from superstr. deck

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well	12'-0"	ABT. 10'-0"	ONE @ 3'-1" x 1'-4"	4.1	
Forward Well					
State fore and aft position and height above deck to bottom of port, for each port	After Well	3" AFT OF FOR. BH. ; 10" ABOVE UPPER D.K.			
State whether freeing ports are fitted with shutters, bars or rails, and give particulars	Forward Well				
Give particulars of freeing port area, etc., on superstructure decks					

NONE. (OPEN RAILS.)

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517

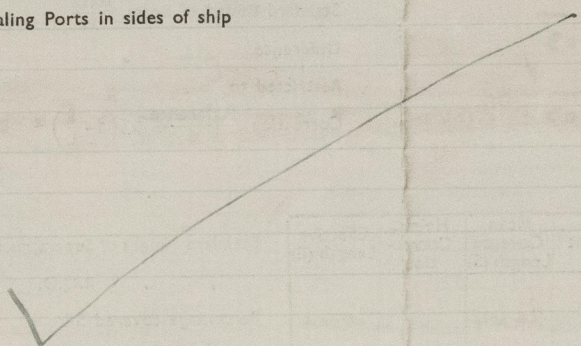


COMPUTATION OF THE BOARD

Gangways and Lifelines

*LIFELINES PROVIDED BETWEEN MIDSHIP HOUSE & CREW'S QUARTERS' AFT OF MANILLA WITH LANYARD.*

Gangway, Cargo and Coaling Ports in sides of ship



SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructures and Machinery Casings comply with rules ?

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

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

State particulars of longitudinal subdivision in double bottom

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

Chief Surveyor.

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

on the *21<sup>st</sup> December 1932.*

Secretary.



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