

2858/15

Copy sent to B. O. T. on 23 JUL 1932

1

LL. 4.C.

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT
SURVEY FOR FREEBOARD

55
0

STEAMER, ~~TANKER~~, SAILER : "DIDO" S.S. WITH TIMBER DECK CARGO
WITHOUT
Nationality British Builders' Name and No. of Ship Dunlop, Bremner & Co. Ltd
Port of Registry Hull N° 315
Official Number 144058 Owners Ellerman Lines Ltd
Gross Tonnage 3554
Date of Build 10/1920 Port and Date of Survey London 4/32
Name of Surveyor J. J. Gibson
Particulars of Classification B.S.* Names of Sister Ships DESTRO

Type of Superstructures Flush Deck

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)

Funnel ~~no coaming~~ & fiddley openings on top of full height casing
Fiddley ~~coaming~~ Plate covers hinged to Coaming

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)

4 to 6 new accommodation ^{aft} Wood Door 15" sill ^{in steering gear house} 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)

1 low 30" Coaming } 5 diams in Deck Connections, 4 Drivck Posts, Slotted Vents.
12 low 36" Coamings } 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)

2 @ 6'0" high Canvas Covers.
1 @ 17" high Brass Plug. ✓ 2 @ 3'0" high Brass Plug.
1 @ 31" high Canvas Covers. ✓ 1 @ 12" Brass Plug.
2 @ 18" high Canvas Covers. ✓

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

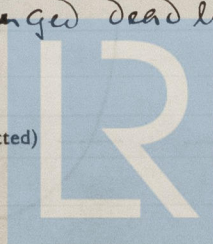
Scuppers, 5 P.S. Collinson Type, lead from freeboard deck } see letter recd from Surveyors
Sanitary Discharges 5 off. horn Return Valves of Brass. 23/4/32

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

Circular, ~~hinged dead lights~~ fitted hinged dead lights fitted.

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

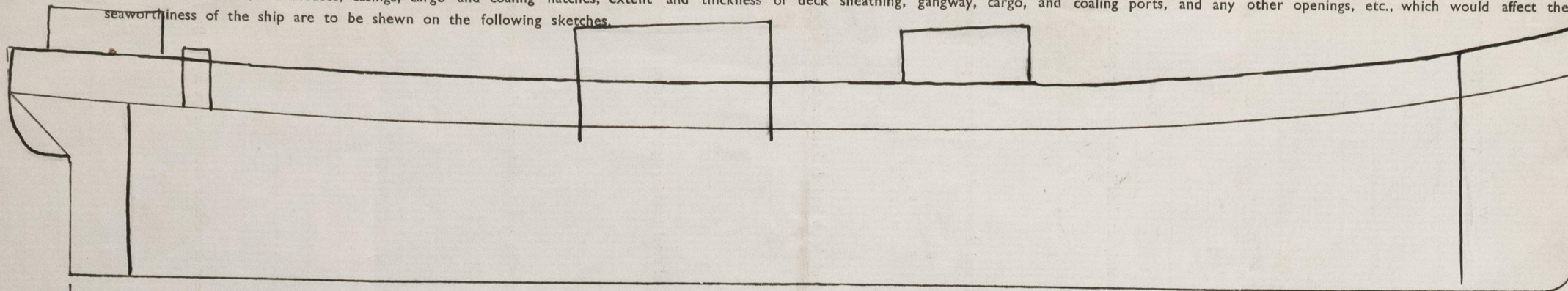
Bulwark.



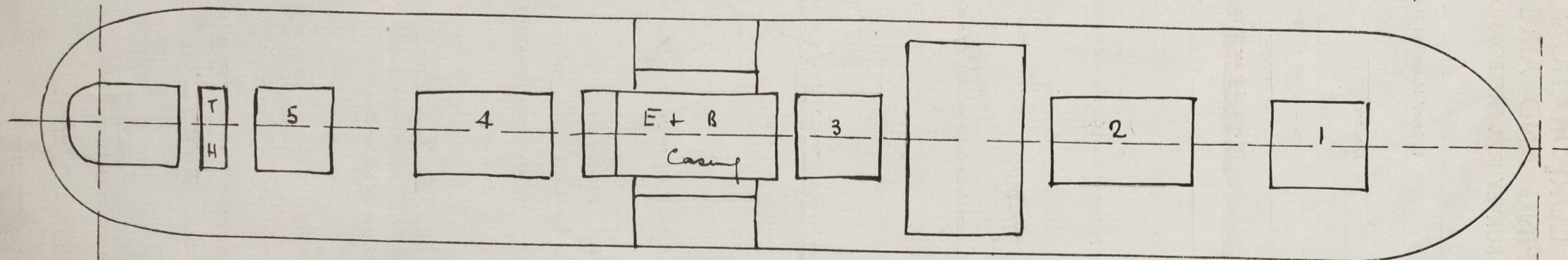
© 2020
Lloyd's Register
Foundation

005344-005352-0131 1/6

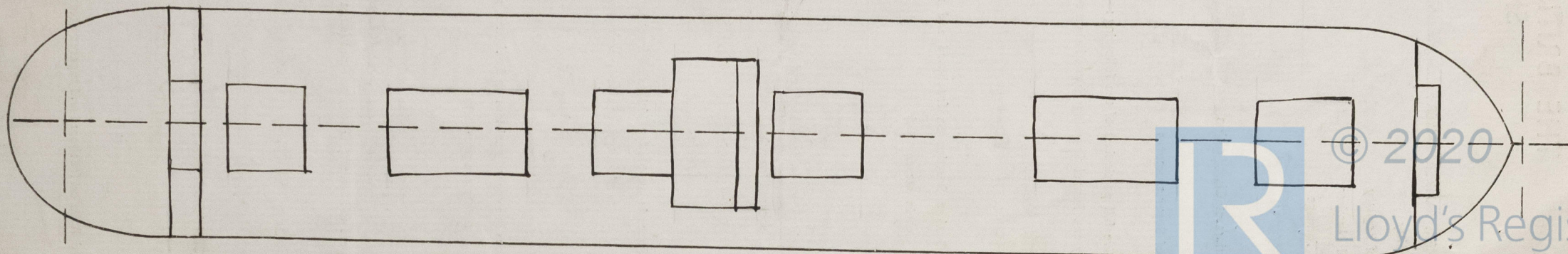
Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatches, extent and thickness of deck sheathing, gangway, cargo, and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches.



Superstructure Deck



Freeboard Deck



Statement of special features in the construction of the ship

COMPUTATION OF FREEBOARD.

Length on summer load line 314' Moulded Breadth 45'-0" Moulded Depth 30'-6" Depth of Keel 17/4"
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 8050 Tons

Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = .769$

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

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						

Standard Height of Superstructure

„ „ R.Q.D.

Percentage covered $S/L =$

„ „ $E/L =$

„ from Table line A, B, (corrected for absence of forecastle if required)

Percentage from Table by interpolation for Bridge

less than .2L if required =

Deduction =

Percentage from Table for Tankers (or Timber ships) =

Deduction =

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	54			1	
1/2 L from A.P.	33			4	
1/2 L from A.P.	24			2	
Amidships	13.5			4	
1/2 L from F.P.	18.4			2	
1/2 L	47.4			4	
F.P.	108			1	
				18	

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 $\times \left(.75 - \frac{S}{2L} \right) =$

Effective Mean Sheer =

Standard „ „ .05L + 5 =

Difference

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 =

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 $\frac{d1}{4} =$ ins.

Addition for Winter „ „ $\frac{d1}{3} =$ ins.

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

assigned 29/4/32

30-6 1/2
8-0 1/2
22-0

(1906)

4

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

TROPICAL FRESH WATER LINE	above centre of disc	9 1/2"	Corresponding Freeboard	8'-0 1/2"	2451
FRESH WATER LINE	" " "	6"	" "	7-3	2210
TROPICAL LINE	" " "	3 1/2"	" "	7-6 1/2	2299
WINTER LINE	below " "	3 1/2"	" "	7-9	2362
WINTER NORTH ATLANTIC LINE	" " "	5 1/2"	" "	8'-4"	2540
				8'-6"	2591

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								
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead								
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks	36"	36" x 36" x 3/4"	4 x 3 x 36"	54"	Bk'd. at top	4.5' x 2'	17"	7'-9"
Exposed Machinery Casings on superstructure decks								
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances								
Deckhouses on flush deck ships	3	25	3 x 2 1/2 x 3	27	Bk'd. T+B			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	
Exposed Machinery Casings on Freeboard or R.Q. decks	Steel doors closed + secured both sides
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1. Closing Appliances	
Deck houses on Flush Deck ships	

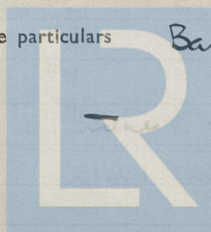
PARTICULARS OF FREEING ARRANGEMENTS

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well	268'-0"	3'-6"	8 P. + S. 36' x 18"	36	26.8
Forward Well					

State fore and aft position and height above deck to bottom of port, for each port } After Well } 9' above steel deck.
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



© 2020

Lloyd's Register Foundation

0131 416

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

	Awining Dk	Awining Dk	Awining Dk	Awining Dk	Awining Dk	Awining Dk					
Number and description of Hatchway from forward	1.	2.	3.	4.	5.						
Dimensions of Hatchway	22'-6" x 14'	31'-6" x 16'-0"	20'-3" x 16'-0"	27'-0" x 16'-0"	20'-3" x 16'-0"						
COAMINGS	Height above steel deck	3'-0"	3'-0"	3'-0"	3'-0"						
	Thickness sides ends	.5 .44	.5 .44	.5 .44	.5 .44						
	Stiffeners	7 x 3 x 38 B.A. sides	7 x 3 x 38 B.A. sides	7 x 3 x 38 B.A. sides	7 x 3 x 38 B.A. sides						
	Brackets or Stays	-	-	-	-						
HATCH BEAMS	Number	4	5	3	4	3					
	Spacing	4'-6"	5'-3"	5'-0 3/4"	5'-4 3/4"	5'-0 3/4"					
	Scantling and Sketch	4 x 3 x 42 14 x 34 6 flange	4 x 3 x 42 15 x 34 6 flange	4 x 3 x 42 N°2	4 x 3 x 42 N°2	4 x 3 x 42 N°1					
	Bearing Surface and thickness of carriers or sockets	3 x 3 x .42 J.L.s	3 x 3 x .42 J.L.s	3 x 3 x .42 J.L.s	3 x 3 x .42 J.L.s	3 x 3 x .42 J.L.s					
FORE AND AFTERS	Number	-	-	-	-	-					
	Spacing	-	-	-	-	-					
	Unsupported lengths	-	-	-	-	-					
	Scantling and Sketch	-	-	-	-	-					
	Bearing Surface and thickness of carriers or sockets	-	-	-	-	-					
HATCH COVERS	Material	W. Pine	W. Pine	W. Pine	W. Pine	W. Pine					
	Thickness	3"	3"	3"	3"	3"					
	How Fitted	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6					
	Bearing Surface	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"					
	Spacing of Cleats	2'-6"	2'-0"	2'-0"	2'-6"	2'-0"					
	Number of Tarpaulins	3	3	3	3	3					

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

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? Rungbolts on deck 6'-0" apart.

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



© 2020

Lloyd's Register
Foundation

0131 516

COMPUTATION OF FREEBOARD

Gangways and Lifelines

Life line fitted from After midship house ^{to Docking Bridge} through eye Bolts and bleats and stayed to ring bolts on deck alongside Bulwark.
(Crew left)

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?

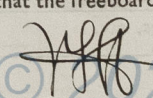
Are efficient uprights, sockets and lashings provided according to rules?

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

25th May 1932.

Secretary.