

LL. 4.C.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT SURVEY FOR FREEBOARD

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LEILA

STEAMER, ~~TANKER~~, SAILER : "D. 100" S.S. WITH/TIMBER DECK CARGO WITHOUT

Nationality *British* Builders' Name and No. of Ship *Dunlop, Bremner & Co. Ltd*

Port of Registry *Hull* N^o. 315

Official Number *144058* Owners *Ellerman Lines Ltd.*

Gross Tonnage *3554* Port and Date of Survey *London 4/32*

Date of Build *10/1920* Name of Surveyor *J. Inguson*

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)

6 below 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 Derrick 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 @ 28" 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. low 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)

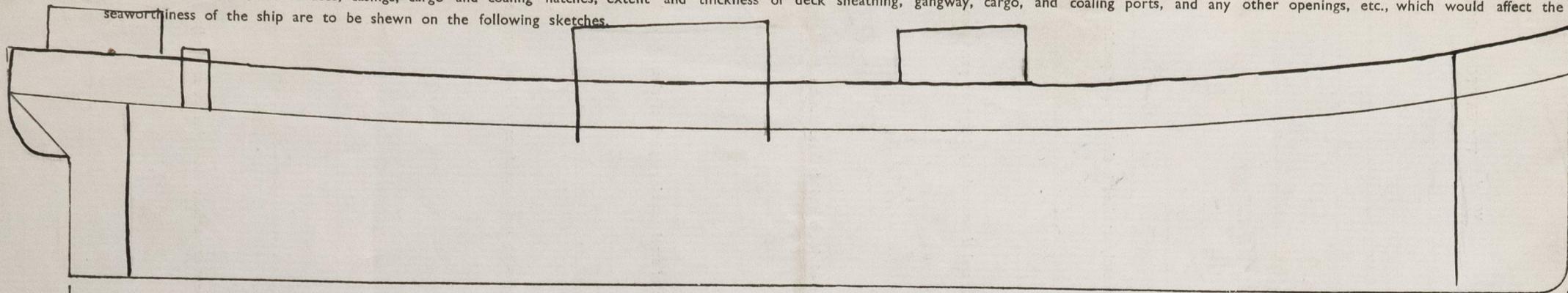
✓ Circular, ~~hinged~~ dead lights fitted hinged dead lights fitted.

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

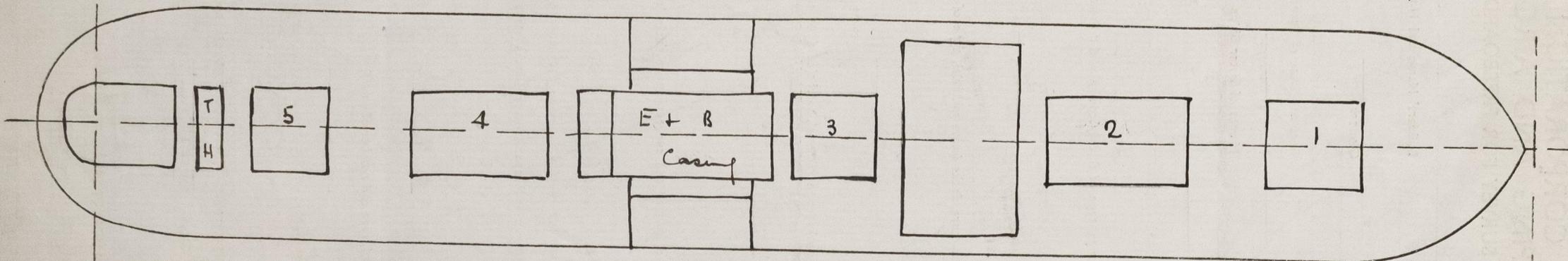
Bulwark.



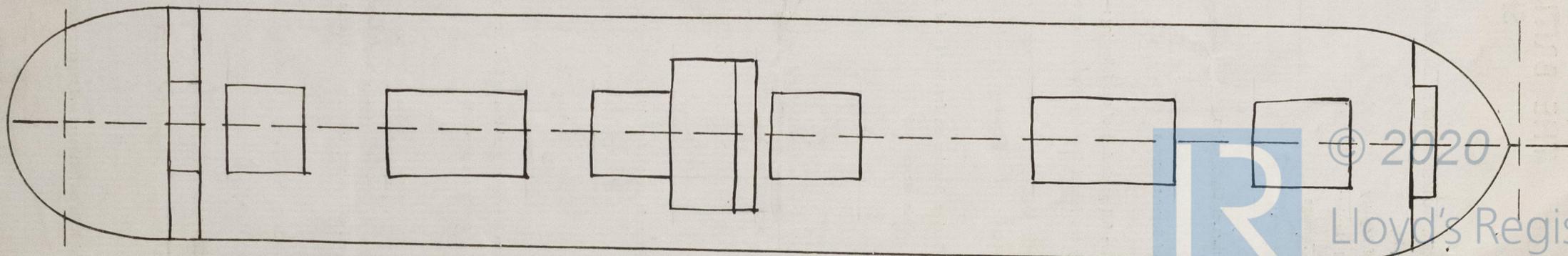
Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatches, extent and thickness of deck sheathing, gangway, cargo, and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches.



Superstructure Deck



Freeboard Deck



Statement of special features in the construction of the ship

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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^T** 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.	32			4	
1/3 L from A.P.	24			2	
Amidships	0			4	
1/3 L from F.P.	13			2	
1/2 L	47			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 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.		

draughts AND SEASONAL CORRECTIONS

Sailer, Tanker, Steamer Timber
 Depth to Freeboard Deck in feet
 Summer Freeboard in feet
 Moulded Draught (d)
 Addition for Keel (d1.)
 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.

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

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)		8'-0 1/2"	2451
TROPICAL FRESH WATER LINE above centre of disc	9 1/2"	7-3	2210
FRESH WATER LINE " " "	6"	7-6 1/2"	2299
TROPICAL LINE " " "	3 1/2"	7-9"	2362
WINTER LINE below " " "	3 1/2"	8-4"	2040
WINTER NORTH ATLANTIC LINE " " "	5 1/2"	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			
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 incl. .36 excl.	4 x 3 x .36	54"	Bkt'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	Bkt. 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. + 5. 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 Bars. © 2020

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



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

	Awaying Dk	Awaying Dk	Awaying Dk	Awaying Dk	Awaying Dk	Awaying 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 } steel above } wood } deck	30"	30"	30"	30"	30"
	Thickness } sides } ends	.5 .44	.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	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	none					
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'-0"	2'-0"	2'-0"	2'-0"	2'-0"
Number of Tarpaulins	3	3	3	3	3	

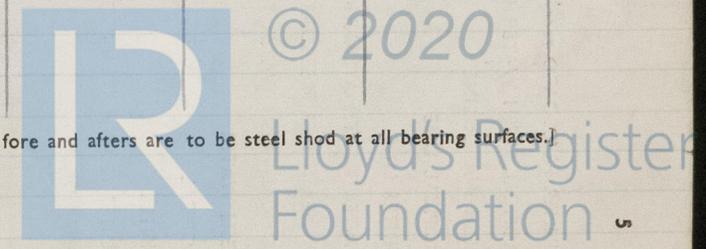
Are wood fore and afters steel shod at all bearing surfaces? —

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.]



Gangways and Lifelines

Life line fitted from after midships 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

[Signature]

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.



Lloyd's Register
Foundation
Secretary.

[Signature]