

LL. 4.C.

THE BRITISH CORPORATION REGISTER OF  
SHIPPING AND AIRCRAFT

## SURVEY FOR FREEBOARD

78

STEAMER, ~~TANKER~~, SAILER: "THEEMS" S.S. (ex Jolly Bruce) WITH ~~WITHOUT~~ TIMBER DECK CARGO  
 Nationality British Builders' Name and No. of Ship  
 Port of Registry London X Gebt. Van Diepen  
 Official Number 149764. X Owners Walford Lines Ltd.  
 Gross Tonnage 553  
 Date of Build 11/1920 Port and Date of Survey London 5/32.  
 Name of Surveyor J. Angus  
 Particulars of Classification B.S. (Coasting Service) Names of Sister Ships

Type of Superstructures Poop, Raised Quarter deck and Forecastle

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 2' Coam. Steel Covers, hinged to Fiddley top. Height of casing 7'-0"  
 Funnel 11' Coam.

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)

To Side Wood Deck 16' sill closed secured from both sides  
 none

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)

Side Deck 20' high 16' Coam. Wood Plugs + canvas covers  
 Fore'd Well 10' high 7'3" Coam.

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

Side Deck 10' off 14' high Gauge fitted  
 Fore'd Well 10' off 36" Recommended Air Pipes to be made standard height.  
 Poop Deck 20' off 7' -

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

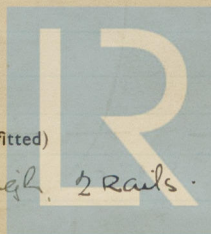
Scupper Fore'd Well. 2 P.S. above Deck. This is a space Cupper Deck.  
 Sanitary Discharge 1 from Side led thro' Side Non Return Brass.  
 " " 1 from Poop Poop " "

Bo Wash Basin from Poop Space led through shell below upper Deck, open to shell + metal Plug in Basin  
 Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

luculan, hinged Dead Light

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

Poop Deck, 3'-6" high, 2 Rails.



© 2020

Lloyd's Register  
Foundation

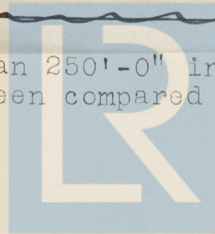
00184-002193-0164 1/2



As this vessel is less than 250'-0" in length  
the Freeboard Report has not been compared with the  
approved plans.

G.H.W.

002184-002193-0164  $\frac{2}{2}$



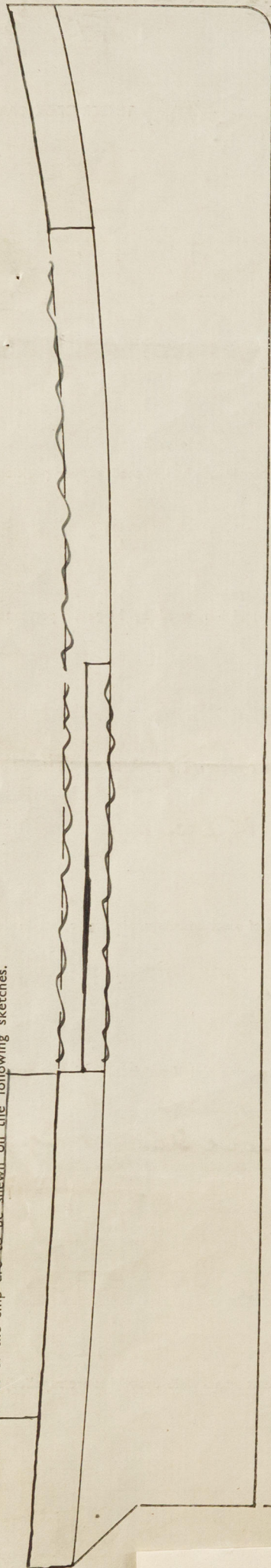
© 2020

Lloyd's Register  
Foundation

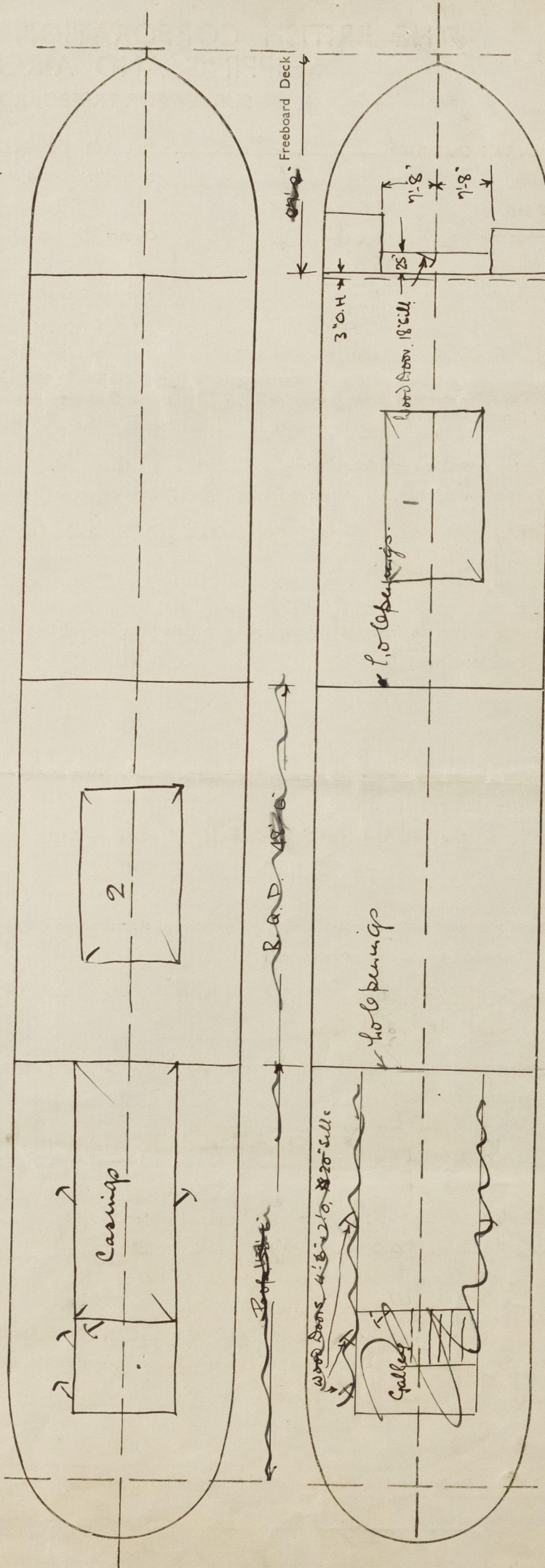
5 - OCT 1950



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.



Superstructure Deck



Statement of special features in the construction of the ship

SERVICE ENDORSEMENT "AND ONLY SO LONG AS THE SHIP IS EMPLOYED IN THE HOME TRADE" from owners.

### COMPUTATION OF FREEBOARD.

Length on summer load line 159.0' Moulded Breadth 27'-0" Moulded Depth 13'-2" 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 9.5 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  $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right)$   
If restricted by superstructures

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)	Standard Height of Superstructure
Poop	52.4		7'-0"				" " R.Q.D.
Raised Quarter Deck	48.6	F	3'-0"				Percentage covered S/L =
Bridge		A					" " E/L =
Forecastle	27.2	3"	6.75				" from Table line A, B, (corrected for absence of forecastle if required)
Trunk Aft							Percentage from Table by interpolation for Bridge less than 2L if required =
Forward							Deduction =
Tonnage Opening Aft							Percentage from Table for Tankers (or Timber ships) =
Forward							Deduction =
Totals							

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	Mean Actual sheer aft	Mean Actual sheer forward
A.P.	34"			1		" Standard "	" Standard "
1/4 L from A.P.	14"	x		4			
1/2 L from A.P.	2"	x		2			
Amidships	0	x		4			
1/4 L from F.P.	14"	x		2			
1/2 L	46"	x		4			
F.P.	32"			1			
				18			
Effective Mean Sheer							
Standard " " .05L + 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							

### 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  $d/4$  = ins.  
Addition for Winter "  $d/3$  = ins.  
" " N.A. Timber Freeboard (if required) = ins.



SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)	3'-4"
TROPICAL FRESH WATER LINE above centre of disc	NOT ASSIGNED
FRESH WATER LINE	3
TROPICAL LINE	NOT ASSIGNED.
WINTER LINE below	2
WINTER NORTH ATLANTIC LINE	4 1/2
	3'-1"
	3'-6"
	3'-8 1/2"

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		125	3 x 2 1/2 x 25	30"				
R.Q.D. "		3	4 x 2 1/2 x 3	24"				
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead	2/16	3/16	3 x 3 x 3	26"		1. 4' 9" x 2' Wood 18"		
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks	1/4	3/16	3 x 3	27"	Bldg. Lops	4' 6" x 2' Wood 20"	20"	7' 0"
Exposed Machinery Casings on superstructure decks	1/4	3/16	3 x 3 x 3	27"	Bldg. Lops	4' 6" x 2' Wood 20"	20"	7' 0"
Machinery Casings within Superstructures 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 openings
R.Q.D. "	no openings
Bridge Aft Bulkhead	
" Forward "	
Forecastle Bulkhead	Hinged Wood Door, manipulated from both sides
Exposed Machinery Casings on Freeboard or R.Q. decks	Hinged Steel Door, manipulated from both sides
Exposed Machinery Casings on superstructure decks	Hinged Wood Doors, manipulated from both sides
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
R. Q. Deck	48' 6"	5 1/2'	4 P.S. 24" x 18"	12 sq	11.36 sq
After Well					
Forward Well	30' 8"	4 3/4"	4 P.S. 24" x 18"	12 sq	9.57 sq
State fore and aft position and height above deck to bottom of port, for each port			From Poop front 2'-3", 9'-6", 11'-0" + 9'-6" centres, 7' above Deck.		
			From Aft end of Well 2'-0", 7'-0", 7'-3", 7'-0" centres, 7' above Deck.		
State whether freeing ports are fitted with shutters, bars or rails, and give particulars			Shutters + Rails		

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

See above.



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	1		2	
	UPPER DK	QUARTER DECK		
Dimensions of Hatchway	21' 8" x 14' 5"	23' 5" x 14' 5"		
Height of steel above deck	31"	30 1/2"		
Thickness of sides	18.44	.44		
Thickness of ends	18.44	.44		
Suffeners	2+2	20 No. 1		
Brackets or Stays	—	—		
Number	3	3		
Spacing	5' 5"	5' 10"		
Scantling and Sketch	3 x 3 x 4	AS No. 1		
Bearing Surface and thickness of carriers or sockets	3 x 3 x 4	3 x 3 x 4		
Number				
Spacing				
Unsupported lengths				
Scantling and Sketch				
Bearing Surface and thickness of carriers or sockets				
Material	W. Pine	W. Pine		
Thickness	3"	3"		
How Fitted	F + A	F + A		
Bearing Surface	3"	3"		
Spacing of Cleats	21"	21"		
Number of Tarpaulins	2	2		

[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 **Life Line Port + Starboard from Poop to 1/4 cle. 2 1/2" Stamb Rope fastened to Poop + 1/4 cle Blos on eyebolts + cleats and stayed to Ring bolts on Statches on Deck. Spacing of stays not to exceed 15'**

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?

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

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

on the **11th January 1933**



Chief Surveyor.

Secretary.