

Copy sent to B. O. T. on 21 Apr 1932  
 THE BRITISH CORPORATION REGISTER OF 280.  
 SHIPPING AND AIRCRAFT  
 SURVEY FOR FREEBOARD

STEAMER, TANKER, SAILER: BAYANO T.S.S. ~~WITHOUT~~ TIMBER DECK CARGO  
 Nationality British Builders' Name and No. of Ship Alex. Stephens & Sons, Ltd  
 Port of Registry Glasgow N° 464  
 Official Number 141870 Owners Elders & Ryffes, Ltd  
 Gross Tonnage 6788 6815  
 Date of Build 12/1917 Port and Date of Survey Swansea 21.4.32 Swansea 3.6.32  
 Name of Surveyor Joseph G. Abbott Inspector  
 Particulars of Classification B.S.\* Names of Sister Ships CAMITO

Type of Superstructures Poop, Bridge 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 coamings 3" hinged steel covers fitted but not in use & no fiddley covers of any  
No coamings at funnel

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment) none

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) 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) one 2'-8" above wood deck & 3'-2" above poop wood deck  
Insulated holds have special arrangements make dead house in each well for ventilation & cooling.  
Wood plugs & C.S.'s fitted to cover vents.

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided) on bridge deck 18" above dead waterway having permanent baffle covers, 2'-9" in fore well on freeboard deck, canvas covers provided, no canvas for closing, poop & fore decks same as bridge deck

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves) Scuppers and Sanitary Discharge Pipes are not to be operated, but there are stated to be 20 in all. Scuppers & Sanitary pipes come thro' the shell about 1' 6" below 3" deck for most to 2' 0" above 2" deck amidships, whilst those as the aft end of the vessel come out below the deck of the upper deck.  
Valves, where fitted are of brass, there are valves, none have are fitted.  
As on board ends of scuppers from bridge & fore & aft are accessible & about 11' above L.W.L. no closing arrys. have  
 Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

15" dia in bridge well no deadlights, 12" dia in poop & fore with hinged deadlight. Portable deadlights in bridge space  
In fore aft, under upper deck, hinged scuttles with permanent deadlights

Guard Rails on freeboard and superstructure decks (state type and where fitted) Bulwarks in wells 4' 3", on bridge deck  
3'-8" above waterway, three rail construction on poop & fore 3'-6" above wood deck.

002024-002037-0003/2



The Freeboard Report has been compared with the approved plans and found in order.

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~~24 AUG 1950~~



Assigned 9/7/22

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SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (2 1/2" wood)	5'-11 1/2"	✓	-4 1/2
TROPICAL FRESH WATER LINE above centre of disc	13"	✓	
FRESH WATER LINE	6 1/2"	✓	
TROPICAL LINE	6 1/2"	✓	
WINTER LINE below	7"	✓	
WINTER NORTH ATLANTIC LINE	-		

Corresponding Freeboard

4'-10 1/2"	✓
5'-5"	✓
5'-5"	✓
6'-6 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	.35	.35	L 6" x 3 1/2" x 5"	27"	Bltd at bottom	2 c 5' x 2' 1/2"	14"	-
R.Q.D. "								
Bridge Aft Bulkhead	.3	.3	4" x 3" x 3"	36	extend over boundary L	2 c 5' 6" x 2' 7"	12"	-
" Forward " cannot verify	.5	.45	7 x 3 1/2" x 4 1/2" L	25" 26"	Bltd top & bottom	3 c 5' 6" x 2' 2"	-	-
Forecastle Bulkhead	.35	.25	3 x 3 1/2" x 3"	33"	extend over boundary L	1 c 5' 3" x 2' 9"	10"	-
Trunk, Aft						1 c 5' 1" x 2' 1"	10"	-
" Forward								-
Exposed Machinery Casings on Freeboard or R.Q. Decks								-
Exposed Machinery Casings on superstructure decks	.45	.3	3" x 3" x 3"	36"	brackets at top	3 on deck	-	8' above wood beam
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances	.45	.3	3" x 3" x 3"	36	brackets at top and bottom	5' 9" x 2' 6"	6"	-
Deckhouses on flush deck ships								-

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

Poop Bulkhead	Hinged <sup>wood</sup> steel doors, 1 3/4" depth frames
R.Q.D. "	
Bridge Aft Bulkhead	Hinged <sup>wood</sup> steel doors 1 3/4" depth frames
" Forward "	no openings
Forecastle Bulkhead	Two hinged steel doors & one wood door 1 3/4" depth frame
Exposed Machinery Casings on Freeboard or R.Q. decks	
Exposed Machinery Casings on superstructure decks	No opening
Machinery Casings within superstructures not fitted with Cl. 1. Closing Appliances	Two hinged steel doors to storeroom & one hinged wood door 1 3/4" depth frame to engine room.
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	70'-0"	4'-3"	2 c 4'-0" x 1'-10"	14.33	14.0
Forward Well	72'-3"	4'-3"	2 c 4'-0" x 1'-10"	14.33	14.45
State fore and aft position and height above deck to bottom of port, for each port			After Well 26' + 46' 6" aft of bridge end bulkhead each 14" above all waterway		
			Forward Well 21' + 49' aft of " front " " 14" " " " "		
State whether freeing ports are fitted with shutters, bars or rails, and give particulars			shutters without permanent fitting, or other longitudinal		
Give particulars of freeing port area, etc., on superstructure decks			none on bridge deck		



Assigned 9/7/22

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SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, ( $2\frac{1}{2}$ " wood )	$5'-11\frac{1}{2}"$	$-4\frac{1}{8}$
TROPICAL FRESH WATER LINE above centre of disc $13"$	Corresponding Freeboard $4'-10\frac{1}{2}"$	
FRESH WATER LINE " " " $6\frac{1}{2}"$	" " $5'-5'$	
TROPICAL LINE " " " $6\frac{1}{2}"$	" " $5'-5'$	
WINTER LINE below " " $7"$	" " $6'-6\frac{1}{2}"$	$-3\frac{1}{8}$
WINTER NORTH ATLANTIC LINE " " " -	" " -	

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	.35"	.35"	$L6" \times 3\frac{1}{2}" \times 5'$	27"	Blk at bottom	2 down $5' \times 2\frac{1}{2}"$ 2 up $5' \times 2'$	14"	-
R.Q.D. "								
Bridge Aft Bulkhead	.3"	.3"	$4" \times 3' \times 3'$	36"	extend over boundary L	2 down $5\frac{1}{2}" \times 2\frac{1}{2}"$ 3 down $5\frac{1}{2}" \times 2\frac{1}{2}"$	12"	-
" Forward " cannot verify	.5	.45	$7 \times 3\frac{1}{2} \times \frac{19\frac{1}{2}}{40}$	25" 26"	Blk top of stn	none	10"	-
Forecastle Bulkhead	.35"	.25"	$3 \times 3\frac{1}{2} \times 3'$	33"	extend over boundary L	1 down $5\frac{1}{2}" \times 2\frac{1}{2}"$ 1 down $5\frac{1}{2}" \times 2\frac{1}{2}"$ 1 down $5\frac{1}{2}" \times 2\frac{1}{2}"$	10"	-
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks	.45	.3	$3" \times 3' \times 3'$	36"	brackets at top	none	-	8' above wood beam at
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances	.45	.3	$3" \times 3' \times 3'$	30	brackets at top	3 on each side 5' $9" \times 2\frac{1}{2}"$	6"	
Deckhouses on flush deck ships								

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

Poop Bulkhead	Hinged <sup>wood</sup> doors, $1\frac{3}{4}"$ deck frames
R.Q.D. "	
Bridge Aft Bulkhead	Hinged <sup>wood</sup> doors $1\frac{3}{4}"$ deck frames
" Forward "	no openings
Forecastle Bulkhead	Two hinged steel doors & one wood door $1\frac{3}{4}"$ deck frame
Exposed Machinery Casings on Freeboard or R.Q. decks	
Exposed Machinery Casings on superstructure decks	no openings
Machinery Casings within superstructures not fitted with Cl. 1. Closing Appliances	Two hinged steel doors to stateroom & one hinged wood door $1\frac{3}{4}"$ deck frame to engine room.
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	70'-0"	4'-3"	2 $\times$ $4'-0" \times 1'-10"$	$14.33$	14.0
Forward Well	72'-3"	4'-3"	2 $\times$ $4'-0" \times 1'-10"$	$14.33$	14.45
State fore and aft position and height above deck to bottom of port, for each port			After Well 26' + 46'-6" aft of bridge end bulk, each 14" above sill waterway Forward Well 21' + 49' fore of " front " " 14" " " "		
State whether freeing ports are fitted with shutters, bars or rails, and give particulars			shutters without permanent fitting, also bars horizontal		
Give particulars of freeing port area, etc., on superstructure decks			none on bridge decks		



# PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS			
	1	2	3	4
Dimensions of Hatchway	15' x 15'	15' x 15'	15' x 15'	15' x 15'
Height of steel deck above	2' 6"	2' 6"	2' 6"	2' 6"
Thickness of sides	2' 6"	2' 6"	2' 6"	2' 6"
Thickness of ends	2' 6"	2' 6"	2' 6"	2' 6"
Stiffeners	non	non	non	non
Brackets or Stays	non	non	non	non
Number	1	1	1	1
Spacing	7' 6"	7' 6"	7' 6"	7' 6"
Scantling and Sketch	7' 6"	7' 6"	7' 6"	7' 6"
Bearing Surface and thickness of carriers or sockets	3' 6" x 3' 6"	3' 6" x 3' 6"	3' 6" x 3' 6"	3' 6" x 3' 6"
Number	3	3	3	3
Spacing	3' 6"	3' 6"	3' 6"	3' 6"
Unsupported lengths	7' 0"	7' 0"	7' 0"	7' 0"
Scantling and Sketch	7' 0"	7' 0"	7' 0"	7' 0"
Bearing Surface and thickness of carriers or sockets	7' 0" x 3' 6"	7' 0" x 3' 6"	7' 0" x 3' 6"	7' 0" x 3' 6"
Material	W. W.	W. W.	W. W.	W. W.
Thickness	3"	3"	3"	3"
How Fitted	Thwartship	Thwartship	Thwartship	Thwartship
Bearing Surface	2' 4" x 2' 4"	2' 4" x 2' 4"	2' 4" x 2' 4"	2' 4" x 2' 4"
Spacing of Cleats	2'	2'	2'	2'
Number of Tarpaulins	2	2	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**

also two steel battens 2 1/2" x 1/2" fitted for a on thwartship

Gangways and Lifelines No gangways on wells, a steel house in each well between Nos 1 & 2 hatchways + Nos 3 & 4 hatchways having handrails on same no permanent lifelines between same & section bulwarks

Gangway, Cargo and Coaling Ports in sides of ship 7 cargo doors on each side 5' 3" (F.H.) x 3' 3" between freeboard deck + 1st deck below, hinged at fore end, 2" sill. One hinged steel door in bridge space P+S & one hinged steel door to 1st deck below freeboard deck P+S. 6' x 3' 6" with strong fastenings. Seven coaling ports each side amidships 2' x 2" hinged

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 8 AUG 1932



Chief Surveyor.

Secretary.