

Give full particulars of the following :—

Fiddle, Funnel and Vent Coamings, Engine Room skylight and other openings in Machinery Casings tops and their means of closing (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

Skylight on deckhouse (2nd tier) on raised quarterdeck, coaming height 190 mm above steel deck with 6 hinged steel flaps with glass (2 each flap). Two ventilators on engine room on top of same deckhouse.

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)

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

On forecastle deck.
1) 210 mm high (governed ventilator) bottom to deck.
2) 760 mm high, pitch of rivets
3) 770 mm
4) 600 mm
5, 6, 7, 8, approx 2400 above raised deck, weld to deck
All ventilators closing arrangements: wood plug and canvas cover.

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

1) 220 mm high, protected by bulwork.
2) 920 mm
3) 960 mm
4) 910 mm
5) 910 mm
6) 910 mm
7) 910 mm
8) 960 mm
9) 990 mm
10) 760 mm
Closing arrangement: Airpipes of salt tanks closed by hinged steel flaps. Airpipes of W.B. tanks closed by wood plugs or chain.

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

Starboard and portside in raised quarterdeck have one san. discharge pipe with non-return valve (homic).

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

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

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

On forecastle deck, 2 wds., 950 mm. above deck.

Gangways and Lifelines

Gangway, Cargo and Coaling Ports in sides of ship

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SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

Is provision made for protection of steering gear?

Is emergency steering gear provided?

Are efficient sockets and eyes for lashings provided and properly spaced?

State particulars of longitudinal subdivision in double bottom

State particulars of Bulwarks and Rails

Particulars of any Special Features in the construction of the Ship

Endorsement at first survey and at surveys for Renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown in the form and are in good condition

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Form LL. 4.C. Revised

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT
SURVEY FOR FREEBOARD

STEAMER, ~~TANKER~~ "HELLENIC CHRYSSOULA"
Nationality Panamanian
Port of Registry Panama, Panama R.
Official Number 8782
Gross Tonnage 1484
Date of Build 1910
Builders' Name and No. of Ship John Brown & Sons Ltd
Owners Compania Maritima de Navegacion General Ltd.
Port and Date of survey
Name of Surveyor W. B. Schellings.
Names of Sister Ships

Particulars of Classification B.S.

Type of Superstructures Forecastle, R.Q. Deck House.

Trade of Ship

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (..... steel)			7'	Corresponding Freeboard	5'-3 1/2"
TROPICAL FRESH WATER LINE above centre of disc			7'		4'-8 1/2"
FRESH WATER LINE	"	"	3 1/2"	"	5'-0"
TROPICAL LINE	"	"	3 1/2"	"	5'-0"
WINTER LINE	below	"	3 1/2"	"	5'-7"
WINTER NORTH ATLANTIC LINE	"	"	5 1/2"	"	5'-9"

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line				Corresponding Freeboard	
TROPICAL FRESH WATER Timber line above L.S.					
FRESH WATER	"	"	"	"	
TROPICAL	"	"	"	"	
WINTER	"	below	"	"	
WINTER NORTH ATLANTIC	"	"	"	"	

Number of years recommended for load line certificate

Date of issue 10/9/48
Surveying 2/12/48

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

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

on the 5th May 1948

William Hay
Chief Surveyor
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Lloyd's Register
Foundation
008386-008392-0077 1/4

Are tarpaulins in good condition and in accordance with rule

20-1 1/2 TO R.Q.D.
240'-0" COMPUTATION OF FREEBOARD
Length on summer load line 240'-0" Moulded Breadth 36'-4" Moulded Depth 16'-6" Depth of Keel 1'-4"
Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 441.2755 Tons
Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = 765$ ESTIMATED
Displacement and tons per inch immersion in salt water at summer load line 441.2755 / 15'-2 1/2" = 187/A"
Moulded depth 16'-5.00 20.125 Deduction for Fresh Water $\frac{\Delta}{40T} = 38$ inches
Stringer Plate .60 .050 .050 Round of Beam Correction app. 8 3/4"
Sheathing on exposed deck T (L-S) - Ships Round of Beam app. 8 3/4"
Rise of floor (in sailers) - Standard Round of Beam $\frac{B \times 12}{50} = 8.72$
Depth for Freeboard (D) 16.550 20.175 Difference .03
Table Depth 16.000
Depth Correction 730 x .550 = 1.02 ON Correction $\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) = .0075 \times 404 = .303$
If restricted by superstructures

Station	Enclosed Length M.	Length of Overhang F.	Height M.	Mean Covered Length (S)	Height Correction	Effective Length (E)	Standard Height of Superstructure	Percentage covered S/L	Percentage covered E/L	Percentage from Table by interpolation for Bridge	Deduction	Percentage from Table for Tankers (or Timber ships)
Raised Quarter Deck	35.0	-	3.625	135.00	8933	124.42	6.0'	63.94%	59.53%	45.34%	30 x .4534 = 13.60 OFF.	
Bridge	41.12	-	1.05									
Forecastle	18.44	5.62	7.054	2.150	18.44							
Trunk Aft												
" Forward												
Tonnage Opening Aft												
" " Forward												
Totals				153.44		142.86						

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	Mean Actual sheer aft	Mean Actual sheer forward	Length of enclosed superstructure forward of amidships	Length of enclosed superstructure aft of amidships	Sheer Correction = Difference X (75 - $\frac{S}{2L}$)	If limited on account of midship superstructure	" to maximum allowance of 1 1/2 ins. per 100 ft.
A.P.	2'-6"	3'-0"	30	1	30.	LESS THAN 1	LESS THAN 1			1389 x .4303 = .60 ON		
1/4 L from A.P.	1'-0"	1'-11"	10	4	40							
1/2 L from A.P.	0"	3'-7"	4	2	8							
Amidships	0"	-	-	4								
1/4 L from F.P.	0"	7'-4"	8	2	16							
1/2 L " "	2'-6"	3'-0"	30	4	120							
F.P.	5'-7"	6'-8"	67	1	67							
				18	281							
Effective Mean Sheer					15.611							
Standard " "					17.000							
Difference					1.389							

TABULAR FREEBOARD corrected for flush deck if required = 30.30
Correction for co-efficient = 1.443 / 1.36 = 30.98 DRAUGHTS AND SEASONAL CORRECTIONS

	+	-	Summer Freeboard in inches	Additional allowance for superstructures on timber-carrying ships	Summer Timber Freeboard in inches
Depth correction	1.02		13.60		
Deduction for superstructures					
Sheer correction	.60				
Round of Beam correction					
Correction for thickness of deck amidships					
Other corrections, scantlings, etc.					
Summer Freeboard in inches	1.62	13.60	11.98		
Additional allowance for superstructures on timber-carrying ships					
Summer Timber Freeboard in inches					

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Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT
SURVEY FOR FREEBOARD
CONDITIONS OF ASSIGNMENT

SHIP'S NAME *S/S "HELLENIC CHRYSOULA"* OFFICIAL NUMBER *878.6.*
Nationality and Port of Registry *Panamerican, Panama Rp.*

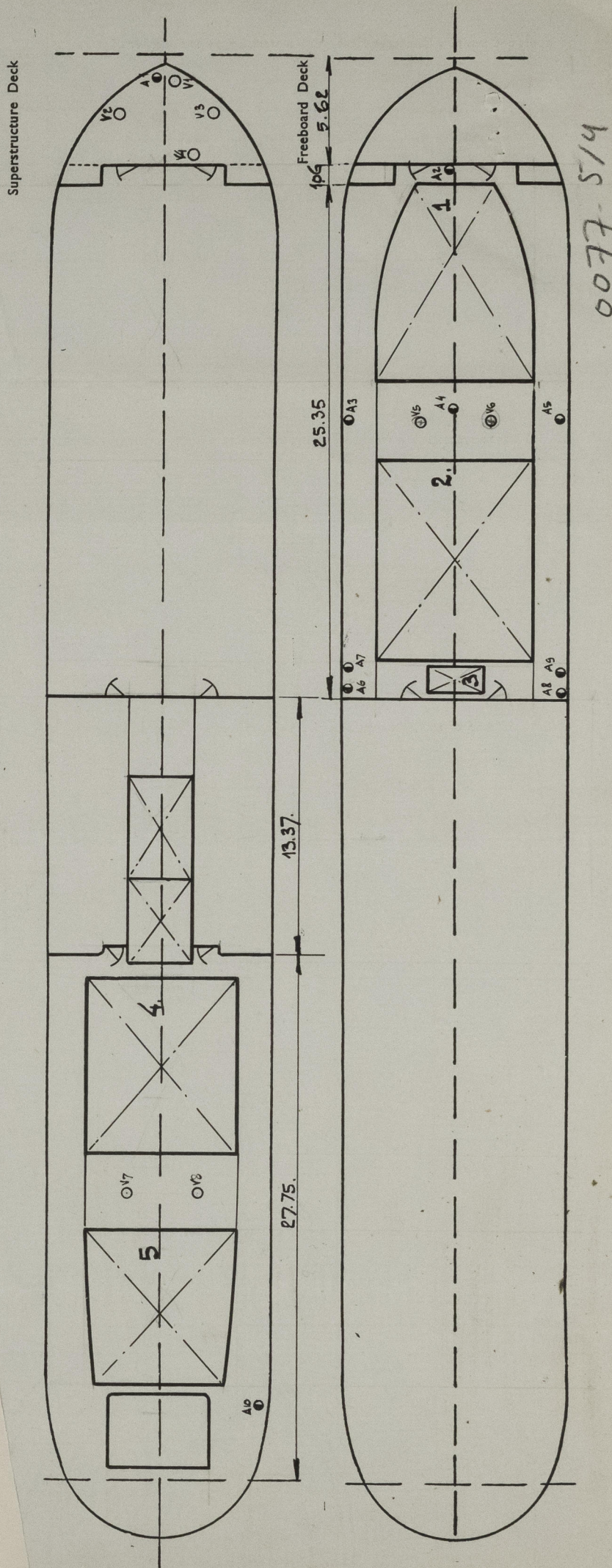
	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	.44	.44	2 1/2 x 7 1/2 x 9	max. 700	none	-	-	1105
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead	.30	.30	4 7/8 x 7 1/2 x 9	max. 750	none	2 x 13 7/8 x 6 1/2	510	2150
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks	.32	.32	4 1/2 x 8 0 x 8	max. 1070	none	-	-	-
Exposed Machinery Casings on superstructure decks								
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	None.
R.Q.D. "	
Bridge Aft Bulkhead	
" Forward "	
Forecastle Bulkhead	Hinged steel doors.
Exposed Machinery Casings on Freeboard or R.Q. decks	
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	
Deck houses on Flush Deck ships	Forward and aft two hinged steel W.T. doors.

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well					
Forward Well	25.35 M.	1.17 M.	SB. 3 x 900 x 530, 1 x 890 x 530 PS. 2 x 900 x 530, 1 x 890 x 530 1 x 740 x 510.		
State fore and aft position and height above deck to bottom of port, for each port					
After Well					
Forward Well			0.280 M.		

State whether freeing ports are fitted with shutters, bars or rails, and give particulars *no shutters, two bars.*
Give particulars of freeing port area, etc., on superstructure decks *On Raised Quarterdeck*
SB. 4 x 840 x 470 PS. 2 x 840 x 470, 1 x 1160 x 610, 1 x 740 x 440
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Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionway, etc., which affect the freeboard of the ship.



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway	Height of steel deck above bottom of deck	Thickness of sides	Stiffeners	Brackets or Stays	Number	Spacing	Scantling and Sketch	Beating Surface and thickness of carriers or sockets	Number	Spacing	Unsupported lengths	Scantling and Sketch	Beating Surface and thickness of carriers or sockets	Number	Spacing	Unsupported lengths	Scantling and Sketch
I	9930 x 1440 mm 7730	1280 mm 10/10	2 155 x 90 x 9	max 1450	1	6	77 100 x 80 x 9 750 x 10 JL 75 x 20	Pine 70 mm longitudinal 90 mm MAX 610 mm	2					2			
II	1185 x 3770	1280 mm 10/10	-	-	-	-	-	Pine 70 mm longitudinal 70 mm MAX 610 mm	2					2			
III	8660 x 7480	780 mm 10/10	2 155 x 90 x 9	max 1440 mm	5	6	77 100 x 75 x 8 750 x 10 JL 75 x 20	Pine 70 mm longitudinal 75-80 mm MAX 610 mm	2					2			
IV	8660 x 7480	780 mm 10/10	2 155 x 90 x 9	max 1440 mm	5	6	77 100 x 75 x 8 750 x 10 JL 75 x 20	Pine 70 mm longitudinal 75-80 mm MAX 610 mm	2					2			
V	8660 x 7480	780 mm 10/10	2 155 x 90 x 9	max 1440 mm	5	6	77 100 x 75 x 8 750 x 10 JL 75 x 20	Pine 70 mm longitudinal 75-80 mm MAX 610 mm	2					2			

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.*

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