

28/9/48

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

"EUGENE VINKE" SURVEY FOR FREEBOARD

STEAMER, TANKER, SAILER: E. A.M. 10. ~~WITH~~ WITHOUT TIMBER DECK CARGO

Nationality DUTCH Builders' Name and No. of Ship UNKNOWN

Port of Registry AMSTERDAM.

Official Number - Owners NEDERLANDSCHE MAATSCHAPPIJ VOOR DE WALVISCHVAART N.V., AMSTERDAM.

Gross Tonnage 720.70. Port and Date of survey AMSTERDAM, SEPT. 48

Date of Build 1941. Name of Surveyor W.B. SCHEELINGS.

Particulars of Classification B.S. Names of Sister Ships A.M. 9.

Type of Superstructures FORECASTLE

Trade of Ship

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood..... steel)			
TROPICAL FRESH WATER LINE	above centre of disc	18 cm	Corresponding Freeboard 64 cm
FRESH WATER LINE	" " "	9 cm	" " 73 cm
TROPICAL LINE	" " "	9 cm	" " 73 cm
WINTER LINE	below " "	9 cm	" " 91 cm
WINTER NORTH ATLANTIC LINE	" " "	14 cm.	" " 96 cm

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

Number of years recommended for load line certificate

Sketched to draw

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

Chief Surveyor

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

on the 6th Oct 1948



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57.91M. COMPUTATION OF FREEBOARD 5.334.

Length on summer load line ~~190-1/8~~ Moulded Breadth ~~33-0~~ Moulded Depth ~~17-6~~ Depth of Keel

Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth **1384** Tons **21016kg**
 Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = \text{USE } .68$
 Displacement and tons per inch immersion in salt water at summer load line **1360T/1016kg ON T=14'-8" 11,36T(1016)**

Moulded depth **17'-6"** Deduction for Fresh Water $\frac{\Delta}{40T} = 9.5$ inches
 Stringer Plate **9/2 mm.** Round of Beam Correction
 Sheathing on exposed deck T $(\frac{L-S}{L}) \cdot 63.5 \cdot \frac{2L}{5991} = .029$ Ships Round of Beam **195 mm** inches
 Rise of floor (in sailers) Standard Round of Beam $\frac{B \times X}{50} = 201$
 Depth for Freeboard (D) **5.373** Difference **6**
 Table Depth **3.861** Restricted to
 Depth Correction $8.33 \times \frac{57.81}{3.46} \times \frac{1}{15} = 1.512$ Correction $\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) = 1.5 \times .9126 = 1.4$
 If restricted by superstructures **184.2 ON.**

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop						
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	4.50M	.56	2.26M	5.06		5.06
Trunk Aft						
" Forward						
Tonnage Opening Aft						
" Forward						
Totals				5.06		5.06

Standard Height of Superstructure **1.830**
 " " R.Q.D. -
 Percentage covered S/L = **8.76%**
 " " E/L = **8.74%**
 " from Table line A, B, (corrected for absence of forecastle if required) **4.37%**
 Percentage from Table by interpolation for Bridge less than .2L if required =
 Deduction = $636 \times .0437 = 278$ off.
 Percentage from Table for Tankers (or Timber ships) =
 Deduction =

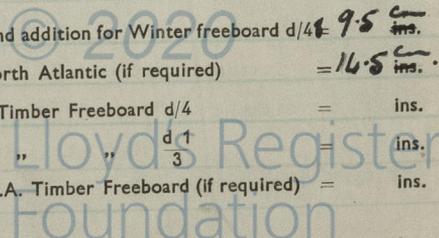
Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	1840	736	736	1	736
1/2 L from A.P.	628	327	327	4	1308
1/2 L from A.P.	151	82	82	2	164
Amidships	35	-	-	4	-
1/2 L from F.P.	45	164	10	2	20
1/2 L " "	150	654	115	4	460
F.P.	430	430	430	1	430
				18	3118
Effective Mean Sheer					173
Standard " " .05L+5					368
Difference					195

Mean Actual sheer aft = **More than 1.**
 " Standard " "
 Mean Actual sheer forward = **Less than 1.**
 " Standard " "
 Length of enclosed superstructure forward of amidships =
 Length of Ship
 Length of enclosed superstructure aft of amidships =
 Length of Ship
 Sheer Correction = Difference X $(.75 - \frac{S}{2L}) = 195 \times .7063 = 137.7$ cm.
 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 = $544 + 9.1 = 553.1$
 Correction for co-efficient = 553.1

553.1. DRAUGHTS AND SEASONAL CORRECTIONS

	+	-	Sailer, Tanker, Steamer	Timber
Depth correction	184.2	27.8		
Deduction for superstructures		27.8		
Sheer correction	137.7			
Round of Beam correction	1.4			
Correction for thickness of deck amidships		29.0		
Other corrections, scantlings, etc.				
	323.3	56.8		
Summer Freeboard in Inches	82 cm	819.6	Depth to Freeboard Deck in feet 5.344	
Additional allowance for superstructures on Timber carrying ships			Summer Freeboard in feet .820	
Summer Timber Freeboard in inches			Moulded Draught (d) 14'-10 3/4	4.524 (d1)
			Addition for Keel	
			Extreme draught	
			Deduction for Tropical and addition for Winter freeboard d/4	9.5 cm
			Addition for Winter North Atlantic (if required)	16.5 cm
			Deduction for Tropical Timber Freeboard d/4	
			Addition for Winter " " d/3	
			" " N.A. Timber Freeboard (if required)	



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THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

CONDITIONS OF ASSIGNMENT

SHIP'S NAME *EUGENE VINKE. AMIO.* OFFICIAL NUMBER
 Nationality and Port of Registry *DUTCH AMSTERDAM.*

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

	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	.30.	.30.	3 x 3 1/2 x .36.	Mar 36.	None.	2 1/2' x 4' 6"	18"	
Trunk, Aft								
" Forward						2 1/2' x 4 8"	25	6' 10"
Exposed Machinery Casings on Freeboard or R.Q. Decks	.34.	.30.	3 x 2 1/2 x .28.	33 1/2	6x5 ON Top.	2 1/2' x 4 8"	25	
Exposed Machinery Casings on superstructure decks						2 7' x 5 6"	15.	
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances					23 1/2 x 58.		24 1/2	2.6 M.
Deckhouses on flush deck ships	.36.	.28.	3 x 2 x .28.	24/30	24 1/2 x 52.		25	
					24 x 52.		25.	

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

Poop Bulkhead	-
R.Q.D. "	-
Bridge Aft Bulkhead	-
" Forward "	-
Forecastle Bulkhead	Hinged steel W.T. Doors. manipulated both sides.
Exposed Machinery Casings on Freeboard or R.Q. decks	
Exposed Machinery Casings on superstructure decks	Hinged steel W.T. Doors. manipulated both sides.
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	
Deck houses on Flush Deck ships	One steel door in two halves. - 2 Wood doors strong type - manipulated from both sides.

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					
Forward Well	23.30 M.	1.91 M.			

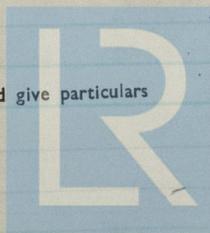
(d1) State fore and aft position and height above deck to bottom of port, for each port

} After Well

} Forward Well

ins. State whether freeing ports are fitted with shutters, bars or rails, and give particulars

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



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Give full particulars of the following:—

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

Engine Room skylight with G.W.T. flaps. each flap with one glass.
 Skylight on gallery with hinged steel W.T. flaps.
 One opening in Boiler Room aft. closed by hinged steel W.T. Cover. sill 17M.
 Six Ventilators. 30" above casing deck. four ventilators on raised fiddley top.
 One Companion way, tank. doors opening 1680 x 620 mm. sill 180 mm.
 On raised fiddley top funnel and two openings with hinged steel flaps.

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)

Companionway on freeboard deck forward. steel 9.8 m.
 sill 25" above wooden deck. hinged steel W.T. Door.
 with packing - closed by 12 toggle.

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 companion way on foredeck. 2100 mm above wood deck. plug = common cover.
 1. Goose neck ventilators. 38 1/2" } with plug.
 2. " " 38 1/2" }
 3. " " 38 1/2" }

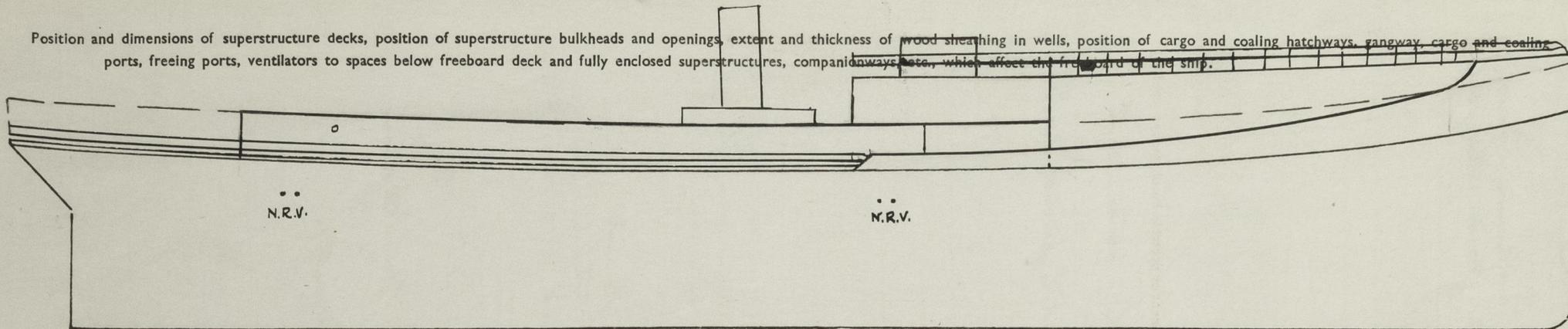
Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

On forecastle deck.

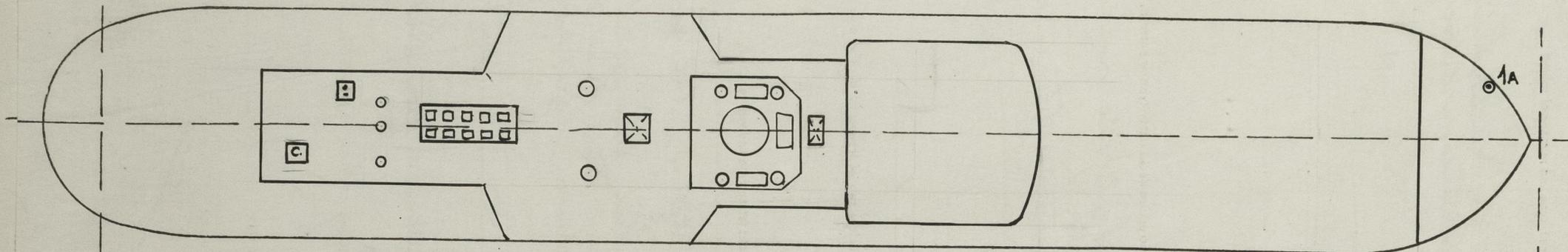
1	680 mm.	(Underneath gun platform.	9	1100 mm
2	36"	underneath midships.	10	990 mm.
3	36"	" "	11	990 mm.
4	30"	" "	12.	38 1/2"
5	30"	" "		
6	36 1/2"			
7	39"			
8	1100 mm.			

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 All air pipes on air tanks with gauge protection and covers. On water tanks with wood plugs & common cover.

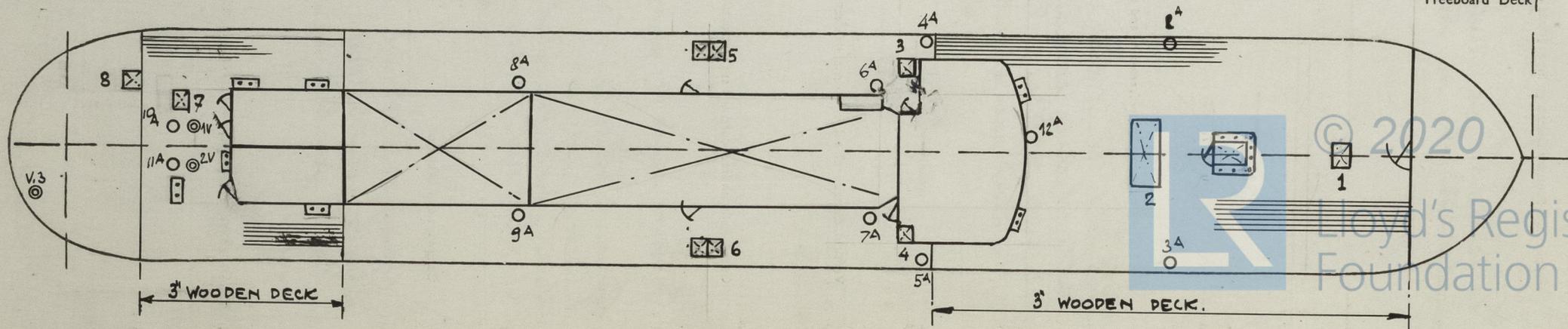
Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionways etc., which affect the freeboard of the ship.



Superstructure Deck



Freeboard Deck



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PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	1	2	3	4	5	6	7	8.
Dimensions of Hatchway	21" x 30"	3'-4" x 7'-10"	23" x 23 1/2"	17" x 23 1/2"	2' x 24" x 17 1/2"	2' x 24" x 17 1/2"	21" x 31"	φ 21 1/2"
COAMINGS	Height } steel { deck	15 1/2"	15"	24"	24.	22 1/2"	22 1/2"	16"
	Thickness } wood { ends	.32	.36	.32	.32	.38.	.38.	.32.
Stiffeners								
Brackets or Stays								
HATCH BEAMS	Number							
	Spacing							
	Scantling and Sketch							
Bearing Surface and thickness of carriers or sockets								
FORE AND AFTERS	Number							
	Spacing							
	Unsupported lengths							
	Scantling and Sketch							
Bearing Surface and thickness of carriers or sockets								
HATCH COVERS	Material							
	Thickness							
	How Fitted							
	Bearing Surface							
Spacing of Cleats								
Number of Tarpaulins								

closed by hinged steel w.t. cover with packing - 4 toggles.

Closed by steel cover bolted to coaming with packing, cover 28" thick on top of cover. small steel bolts 2" x 2 1/2" with hinged steel w.t. cover & toggles.

Closed by hinged steel w.t. cover with packing & toggles.

do.

do.

do.

do.

do.

Are tarpaulins in good condition and in accordance with rule requirements?

Are lashings provided in accordance with rule requirements?

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

Are battens and wedges efficient and in good condition?



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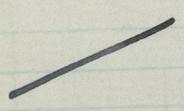
Discharge Pipes (state material, type and number of valves)

Three and Starboard & Sanitary Discharge Pipes
brass non-return valves. (one valve each pipe)

Spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

scuttles in skylights made with permanent
deadlights.
scuttles in casing bulkheads all with permanent
deadlights.

Height of sill of lowest side scuttle below top of freeboard deck at side amidships



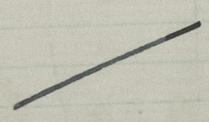
Freeboard and superstructure decks (state type and where fitted)

rails on gunplatform, two rods
rails on maindeck from deckhouse to aft
of strong stays and three strong steel
rod vanlock screws, height above deck 1100 mm, stays
in, distance 42"

Life-lines

very strongly constructed from bridge to gunplatform
and deck.
factory stays along deckhouses and casings.

Gun and Coaling Ports in sides of ship



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Bearing Surface and
thickness of
carriers

FOPE AND

Give full particulars of the following:—

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

Engine Room skylight with 6.W.T. flaps, each flap with one glass.
 Skylight on galley, with hinged steel W.T. flaps.
 One opening in boiler room aft, closed by hinged steel W.T. Cover, sill 17M.
 Six Ventilators, 30" above casing deck. Funnel ventilator on raised fiddle top.
 One Companion way, teak, door opening 1680 x 620 mm. Sill 180 mm.
 On raised fiddle top funnel and two openings with hinged steel flap.
 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)

Companion way, on freeboard deck, forward, steel 9.8 mm, sill 25" above wooden deck, hinged steel W.T. Door, with packing - closed by 16 toggle.

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 companion way on foredeck, 2100 mm above wood deck, pleng = common cover.

1	Goose neck ventilator.	38 1/2"	} with pleng.
2	"	38 1/2"	
3.	"	38 1/2"	

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

On forecastle deck.

1	680 mm.	(Underneath gun platform.	9	1100 mm
2	36"	underneath mess room.	10	990 mm.
3	36"	" "	11	990 mm.
4	30"	" "	12.	38 1/2"
5	30	" "		
6	36 1/2"			
7	39"			
8	1100 mm.			

All air pipes in oil tanks with gauge protection, and coaming covers —
 on water tank with wood pleng & common cover.

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

Paint side plume and stackd. from. - Sanitary Discharge pipes.
all with brass non-return valves. (one valve each pipe).

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

All side scuttles in skylights made with permanent
attached deadlights.
All side scuttles in casing bulkhead. all with permanent
attached deadlights.

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)

Guard on gun platform. - two rods.
Guard rails on main deck. from deck house to aft.
consisting of strong stays and three strong steel wires with messinck
screws. height above deck. 1100 mm. stays 1 1/2" round wire lead
upport.

Gangways and Lifelines

Gangway strongly constructed from bridge to gun platform
on forecastle deck.
Strong jute stays along deck houses and coverings.

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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