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Germania 35880

Rpt. C.11.

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Index. No. 34895
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship MOTOR Tanker					Port of Survey <u>Hamburg</u>
having <u>Poop, bridge and fore-castle</u>					Date of Survey <u>18th of March 1937</u>
(Type of Superstructures.)					Name of Surveyor <u>Friedrich Ohlgen</u>
Ship's Name <u>NUEVA GRANADA</u>	Nationality and Port of Registry <u>Norwegian</u> <u>Oslo</u>	Official Number <u>✓</u>	Gross Tonnage <u>~10000</u>	Date of Build <u>1937</u>	Particulars of Classification <u>+100 A1</u> <u>"Carrying Petroleum in bulk."</u>
Moulded Dimensions: Length <u>151.235</u> m. Breadth <u>20.42</u> m. Depth <u>10.41</u> m.					
Moulded displacement at moulded draught = 85 per cent. of moulded depth <u>21348</u> tons					
Coefficient of fineness for use with Tables <u>0.777</u>					

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth <u>10.41</u> m.	(a) Where D is greater than Table depth (D—Table depth) R =	Moulded Breadth (B) <u>20.42</u> m.
Stringer plate <u>0.0215</u> m.	(b) Where D is less than Table depth (if allowed) (Table depth—D) R =	Standard Round of Beam = $\frac{B \times 12}{50}$ =
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures	Ship's Round of Beam = <u>0.41</u> m.
Depth for Freeboard (D) =		Difference
		Restricted to
		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right)$ =

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	<u>37.47</u>		<u>2.44</u> m.		
" overhang	<u>SEE SKETCH</u>				
R.Q.D. enclosed	<u>✓</u>				
" overhang	<u>✓</u>				
Bridge enclosed... ..	<u>11.68</u> m.		<u>2.21</u> m.		
" overhang aft	<u>0.73</u> m.				
" overhang forward	<u>0.20</u> m.				
F'cle enclosed	<u>18.32</u> m.		<u>2.29</u> m.		
" overhang	<u>✓</u>				
Trunk aft	<u>✓</u>				
" forward	<u>✓</u>				
Tonnage opening aft	<u>✓</u>				
" forward	<u>✓</u>				
Total					

Standard Height of Superstructure _____
" " R.Q.D. _____
Deduction for complete superstructure _____
Percentage covered $\frac{S}{L}$ = _____
" " $\frac{S_1}{L}$ = _____
" " $\frac{E}{L}$ = _____
Percentage from Table, Line A.
(corrected for absence of forecastle (if required)) _____
Percentage from Table, Line B.
(corrected for absence of forecastle (if required)) _____
Interpolation for bridge less than 2L (if required) _____
Deduction = _____

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{6}$ L from A.P.		4				4	
$\frac{2}{6}$ L "		2				2	
Amidships		4				4	
$\frac{2}{6}$ L from F.P.		2				2	
$\frac{1}{6}$ L "		4				4	
F.P.		1				1	
Total							

Mean actual sheer aft = _____
Mean standard sheer aft = _____
Mean actual sheer forward = _____
Mean standard sheer forward = _____
Length of enclosed superstructure forward of amidships = _____
" " aft of " = _____
Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{75-S}{2L} \right) =$ _____
If limited on account of midship superstructure. _____
If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. _____

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = _____ Ft. Summer freeboard = _____ Moulded draught (d) = _____ Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____ Addition for Winter North Atlantic Freeboard (if required) = _____	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ _____ Tons per inch immersion at summer load water line T = _____ Deduction = $\frac{\Delta}{40 T}$ inches = _____	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient Depth Correction Deduction for superstructures Sheer correction Round of Beam correction Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard = _____
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc	Tropical Fresh Water Freeboard
Fresh Water Line " "	Fresh Water " "
Tropical Line " "	Tropical " "
Winter Line below " "	Winter " "
Winter North Atlantic Line " "	Winter North Atlantic " "

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS										
Description of Hatchway	on freeboard deck					on poop deck				
	1 to fore.	1 to aft.	5 to 10	6 to 10	2 to oil	1 to fore.	1 to aft.	5 to 10	6 to 10	2 to oil
Dimensions of Hatchway	800 x 610	1900 x 500	1476 x 1068	630 x 400	540 x 430	800 x 610	1900 x 500	1476 x 1068	630 x 400	540 x 430
COAMINGS	Height above Deck	250	250	250	250	250	250	250	250	250
	Thickness	10	10	10	10	10	10	10	10	10
	Stiffeners	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Brackets, Stays	✓	✓	✓	✓	✓	✓	✓	✓	✓
HATCH BEAMS	Number	2	2	2	2	2	2	2	2	2
	Spacing	10	10	10	10	10	10	10	10	10
	Scantling and Sketch	None								
	Bearing Surface	None								
FORE AND AFTERS	Number	2	2	2	2	2	2	2	2	2
	Spacing	10	10	10	10	10	10	10	10	10
	Unsupported Lengths	None								
	Scantling and Sketch	None								
HATCH COVERS	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Thickness	10	10	10	10	10	10	10	10	10
	How fitted	hinged	hinged	hinged	hinged	hinged	hinged	hinged	hinged	hinged
	Bearing Surface	rubber packing	rubber packing	rubber packing	rubber packing	rubber packing	rubber packing	rubber packing	rubber packing	rubber packing
Spacing of Cleats	None									
Number of Tarpaulins	None									

Particulars of fiddle, funnel and ventilator coamings:—
*Fiddle top 2800 mm above poop deck.
 Openings in fiddle top closed by hinged steel covers.
 Funnel and ventilator coamings efficiently fastened to the fiddle deck.*

Particulars of Flush Bunker Scuttles:—
None.

Particulars of Companionways:—
*The companionways on poop deck to crews accommodations are situated inside the deck house. The entrance doors of the poop deck house are of teak wood with portable steel covers.
 Sills of doors 18" above wood deck.*

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—
*On forecastle deck 3 ventilators of 300 mm diam. and 4 ventilators of 400 mm diam. coamings 900 mm high and 9 mm 8 mm thick.
 All ventilators are capable of being closed by steel caps and canvas covers.*

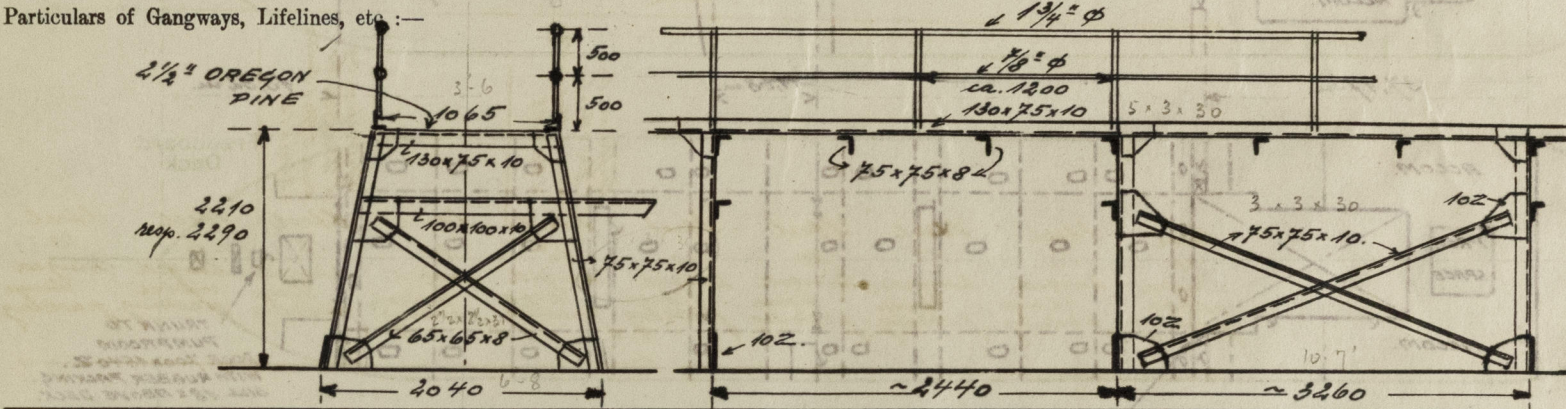
Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—
*Air pipe to fore peak tank 650 mm above forecastle deck.
 Air pipe to after peak tank 650 mm above poop deck.
 Air pipes to double bottom tanks 650 mm above poop deck.
 All air pipes of substantial construction and fitted with hinged steel covers.*

Particulars of Gangway Cargo and Coaling Ports:—
None.

Particulars of Scuppers and Sanitary Discharge Pipes —
*5 scuppers on each side above freeboard deck 120 x 110 mm.
 6 scuppers on each side above poop deck 100 x 60 mm.
 All sanitary discharge pipes are fitted with storm valves.*

Particulars of Side Scuttles:—
*No side scuttles fitted below freeboard deck.
 Side scuttles in forecastle and poop spaces are of substantial construction and fitted with hinged dead lights.*

Particulars of Guard Rails:—
Open rail on freeboard deck, forecastle and poop deck.



Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well						
Forward Well						

State position of each freeing port ... After Well:— ✓
 (F. and A. position and height above deck edge) Forward Well:— ✓
 State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— ✓
 Additional area where sheer is less than standard. ✓

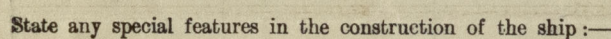
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead (AT SIDES)	300 x 12	M, 5	250 x 90 x 12.5	800	bracketed at top & bottom	2a. 700 x 1540	460	2440
Raised Quarter Deck Bulkhead	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead	250 x 12	8, 0	130 x 65 x 8	700 - 870	bracketed at top & bottom	2a. 950 x 1250 1a. 600 x 1650	590 350	2210
Bridge, Forward Bulkhead	250 x 14	12, 0 - 11, 5	250 x 90 x 12	700 - 870	bracketed at top & bottom	2a. 700 x 1550 1a. 950 x 1250	460 590	2210
Forecastle Bulkhead	250 x 12	7, 5	100 x 75 x 10	730	none	2a. 950 x 1250 1a. 700 x 1550	590 350	2290
PUMP ROOM HOUSE								
Forecastle Bulkhead	250 x 10	8, 0	150 x 75 x 10	870	bracketed at top & bottom	1a. 700 x 1400	610	2135
PUMP ROOM HOUSE								
Forecastle Bulkhead	250 x 10	8, 0	150 x 75 x 10	870	bracketed at top & bottom	1a. 700 x 1400	610	2135
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	150 x 150 x 14	13, 5	300 x 90 x 15	870	bracketed at top & bottom	none	✓	2440
Exposed Machinery Casings on Superstructure Decks	300 x 8, 5	8, 0	130 x 65 x 8	750	top electric welded	2a. 700 x 1650	350	2440
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	300 x 8, 5	7, 5	115 x 65 x 8	1460	bracketed at top	2a. 700 x 1650	350	2300
Deckhouses on Flush Deck Ships	✓	✓	✓	✓	✓			

Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead	Two hinged steel doors with rubber packing, closed by clips and wing bolts from outside only. ✓
Raised Quarter Deck Bulkhead	✓
Bridge, After Bulkhead	2 hinged steel doors, closed by portable steel plates with 1/2" hook bolts, spaced about 300 mm. ✓
Bridge, Forward Bulkhead	One hinged steel door with rubber packing, closed by clips and wing bolts from outside only. ✓
Forecastle Bulkhead	2 hinged steel doors with rubber packing, closed by clips and wing bolts from outside only. ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	2 hinged steel doors, closed by portable steel plates with 1/2" hook bolts, spaced about 300 mm. ✓
Exposed Machinery Casings on Superstructure Decks	2 hinged steel doors with rubber packing, closed by clips and wing bolts from outside only. ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	✓
PUMP ROOM	
Deckhouses on Flush Deck Ships	One hinged steel door with rubber packing, closed by clips and wing bolts from outside only. ✓

A hand-drawn diagram of a ship's deck plan, showing various compartments and their numbers. The diagram is oriented horizontally, with the bow on the left and the stern on the right. The compartments are labeled as follows:

- FORE PEAK:** Located at the very front (bow) of the ship.
- FORE PEAK PUMP ROOM:** Located just behind the fore peak.
- CHART ROOM:** Located behind the fore peak pump room.
- STORE:** Located behind the chart room.
- COFFER DAM:** A vertical line separating the store area from the main deck compartments.
- DECK COMPARTMENTS (from bow to stern):**
 - No. 1:** The first compartment after the coffer dam.
 - No. 2:** The second compartment.
 - No. 3:** The third compartment.
 - PUMP ROOM:** Located between compartment No. 3 and No. 4.
 - No. 4:** The fourth compartment.
 - No. 5:** The fifth compartment.
 - No. 6:** The sixth compartment.
 - No. 7:** The seventh compartment.
 - PUMP ROOM:** Located between compartment No. 7 and No. 8.
 - No. 8:** The eighth compartment.
 - No. 9:** The ninth compartment.
 - No. 10:** The tenth compartment.
- COFFER DAM:** A vertical line separating the main deck compartments from the engine space.
- ENGINE SPACE:** Located behind the coffer dam.
- OIL FUEL BUNKER:** Located behind the engine space.
- BUNK:** Located behind the oil fuel bunker.
- FORE PEAK:** Located at the very front (bow) of the ship.

The diagram also shows a **GANGWAY** running along the top edge of the ship, and a **STORE** area at the stern.



The vessel has been surveyed during construction on stocks, afloat and in dry dock.

" " " " " at 29' " = 21348 t

Builder's name and yard number

Deutsche Werft & G. Hamburg. Yard No. 181.

Names of sister ships

Owners

The Texas Company F/S. Oslo.

Fee £ P.M. 400

Received by me *will be charged with first entry*