

The drawing consists of two main views of the ship's hull and deck layout:

- Top View (Superstructure Deck):** Shows the layout of the upper deck. Key features include:
 - Engine Space:** Located at the bow (left).
 - Oil Fuel Bunker:** Located adjacent to the engine space.
 - Numbered Compartments:** A series of compartments numbered 1 through 10, with "No." preceding each number.
 - Pump Room:** Located between compartments 4 and 5.
 - Dry Cargo Hold:** Located at the stern (right).
 - Superstructure Deck:** The label for this upper deck.
 - Dimensions:**
 - 330" OVERHANG AT SIDES
 - 730" OVERHANG
 - 300" OVERHANG AT SIDES
 - 1468" (overall length)
 - 37' 10" (width at bow)
 - 48' 32" (width at stern)
- Bottom View (Freeboard Deck):** Shows the layout of the lower deck. Key features include:
 - Accommodation (Accom.):** Two areas labeled "ACCOM." at the bow.
 - Freeboard Deck:** The label for this lower deck.
 - Trunk to Pump Room:** A passage labeled "TRUNK TO PUMP ROOM" at the stern.
 - Dimensions:**
 - 1468" (overall length)
 - 37' 10" (width at bow)
 - 48' 32" (width at stern)

Additional labels and notes include:

- "MATCHWAYS TO OIL FUEL BUNKER" (pointing to the bow area)
- "MATCHWAYS TO PUMP ROOM SPACE" (pointing to the stern area)
- "MATCHWAYS TO OIL FUEL BUNKERS." (at the bottom of the drawing)
- "GANGWAY" (labeled on the top view)
- "STOWAGE" (labeled on the top view)
- "COFFER DAM" (labeled on the top view)
- "PUMP ROOM" (labeled on the top view)
- "DRY CARGO HOLD" (labeled on the top view)
- "NO. 1" through "NO. 10" (labeled on the top view)
- "PUMP ROOM" (labeled on the top view)
- "COFFER DAM" (labeled on the top view)
- "STOWAGE" (labeled on the top view)
- "GANGWAY" (labeled on the top view)
- "ENGINE SPACE" (labeled on the top view)
- "OIL FUEL BUNKER" (labeled on the top view)
- "ACCOM." (labeled on the bottom view)
- "PUMP ROOM" (labeled on the bottom view)
- "TRUNK TO PUMP ROOM" (labeled on the bottom view)
- "FREEBOARD DECK" (labeled on the bottom view)

State any special features in the construction of the ship:— Tanker with two longitudinal bulkheads.
The vessel has been surveyed during construction on stocks, afloat and in dry dock.
Displacement (incl. bossing) in salt water at 30' draught = 22,165 t.
" " " " " at 29' " = 21,348 t.
" " " " " at 28' " = 20,500 t.

Names of sister ships

Owners The Texas Company A/S. Oslo

Fee \$ P.M. : 400. - Received by me will be charged with first entry

Similar
Germania
pt. 9.11.
BRITAIN
No 35925

Index. No. 540
(For London Office only.)

having a poop, bridge and fore-castle

Port of Survey *Hamburg*

Date of Survey 18-3-37

Name of Surveyor Friedrich Olga

Particulars of Classification *+ 10000*
Carrying petroleum in bulk.

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build	
Nueva Granada	Norwegian Oslo	-	10000 5	1937	
Moulded Dimensions: Length	49.625	Breadth	67.00	Depth	34.17
Moulded displacement at moulded draught = 85 per cent. of moulded depth	21348			tons	
Coefficient of fineness for use with Tables	.774				

Depth for Freeboard (D)		5,	Depth correction	
Moulded depth	...	34.47	(a) Where D is greater than Table depth (D - Table depth) R =	
Stringer plate	...	07	(34.24 ² - 33.08) × 3 = + 3.48	²
Sheathing on exposed deck			1.184	
T $\left(\frac{L-S}{L} \right) =$		✓	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =	✓
Depth for Freeboard (D) =		34.24	If restricted by superstructures	✓

Round of Beam correction

Moulded Breadth (B) **67'**

Standard Round of Beam = $\frac{B \times 12}{50} = 16.08$

Ship's Round of Beam = **16.14**

Difference **.06**

Restricted to ✓

Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L}\right) = \frac{.06}{4} \times .5469 = -.01.$

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	123.12	123.12	8.00	-	123.12
" overhang	2.39	1.19	"	-	1.19
R.Q.D. enclosed					
" overhang					
Bridge enclosed	38.32	38.32	7.25	x 7.25 / 7.5	37.04
" overhang aft	2.39	1.79	"		1.73
" overhang forward66	.33			.32
File enclosed	60.10	60.10	7.51	-	60.10
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	226.98	224.85			223.50

Standard Height of Superstructure 7.5'

" " R.Q.D. ✓

Deduction for complete superstructure 42" ✓

Percentage covered $\frac{S}{L} = 45.74$ ✓

" " $\frac{S_1}{L} = 45.31$ ✓

" " $\frac{E}{L} = 45.03$ ✓

Percentage from Table, Line A. Tanker 36.03

(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 = $42 \times 36.03 = - 15.13$

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	59.62	1	59.62	57.80	57.80	1	57.80
1/L from A.P. ...	26.53	4	106.12	26.89	26.89	4	107.56
2/L	6.56	2	13.12	3.19	3.19	2	6.38
Amidships ...	-	4	-	-	-	4	-
3/L from F.P. ...	13.12	2	26.24	13.39	13.39	2	26.78
4/L	53.06	4	212.24	52.28	52.28	4	209.12
F.P.	119.25	1	119.25	118.90	118.90	1	118.90
Total			536.59				526.54

Mean actual sheer aft = Definite

Mean standard sheer aft =

Mean actual sheer forward = Definite

Mean standard sheer forward =

Length of enclosed superstructure
L

forward of amidships = } sheers

aft of " = } Definite

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left(\frac{75 - 8}{21} \right) = \frac{10.05}{18} (.75 - .2287) = +.29$$

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.

Deduction for Fresh
Water.

Displacement in salt water at
summer load water line

$\Delta = 20385 \text{ m}^3$

$T_{\text{m}} =$ per inch immersion at
summer load water line

$T = 70.7$

Winter freeboard = $\frac{d}{4}$ inches = $6.8\frac{6}{8} = 6\frac{3}{4}$

$$\text{Deduction} = \frac{\Delta}{40T} \text{ inches}$$

$$= \frac{7.20}{40 \times 1} = 0.18''$$

Addon γ for Winter North Atlantic Freeboard (if required) = $6.82 + 4.96 = 11.78.82$
 $= 11\frac{3}{4}$

TABULAR FREEBOARD corrected for Finch Deck (if required)

Correction for coefficient $\frac{.774 + .68}{1.36} = \frac{1.454}{1.36} =$

	+	-
Depth Correction	3.48	-
Deduction for superstructures	-	15.13
Sheer correction	0.29	-
Round of Beam correction	-	0.01
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	-	-

3-78 1514
Summer Freebo

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood , Steel, Deck:—		6'-9 1/4" = 206.42	
Tropical Fresh Water Line above Centre of Disc ...	14' = 355.2	Tropical Fresh Water Freeboard ...	5'-7 1/4" = 170.9
Fresh Water Line " " ...	7 1/4" = 184	Fresh Water " " ...	6'-2" = 188.0
Tropical Line " " ...	6 3/4" = 171	Tropical " " ...	6'-2 1/4" = 189.3
Winter Line below " " ...	6 3/4" = 171	Winter " " ...	7'-4" = 223.5
Winter North Atlantic Line " " ...	11 3/4" = 298	Winter North Atlantic " " ...	7'-9" = 236.2

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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS											
On freeboard deck											
On fore-castle deck											
On poop deck											
Description of Hatchway	1 to fore.	1 to stern.	1 to fore.	1 to stern.	1 to fore.	1 to stern.	1 to fore.	1 to stern.	1 to fore.	1 to stern.	1 to fore.
Dimensions of Hatchway	800	1900	1676	620	530	4300	800	5410	1400	800	800
COAMINGS	Height above Deck	250	250	315	250	800	315	250	800	500	600
Thickness	10	10	11	10	11	10	10	11	10	10	10
Sides	10	10	11	10	11	10	10	11	10	10	10
Stiffeners	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Brackets, Stays	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HATCH BEAMS	Number										
Spacing											
Scantling and Sketch											
Bearing Surface											
FORE AND AFTERS	Number										
Spacing											
Unsuported Lengths											
Scantling* and Sketch											
Bearing Surface											
HATCH COVERS	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Thickness	10	10	15	10	10	12	10	12	10	10	10
How fitted	hinged	hinged	hinged	hinged	hinged	hinged	hinged	hinged	hinged	hinged	hinged
Bearing Surface	rubber	rubber	rubber	rubber	rubber	rubber	rubber	rubber	rubber	rubber	rubber
Spacing of Cleats											
Number of Taraulins											

Particulars of fiddle, funnel and ventilator coamings :- *Fiddle top 2800 Z 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 companion 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 fore-castle deck 3 ventilators of 300 Z diam. and 4 ventilators of 400 Z diam. coamings 900 Z high and 9 up 8 Z thick. All ventilators are capable of being closed by steel caps and canvas covers.*

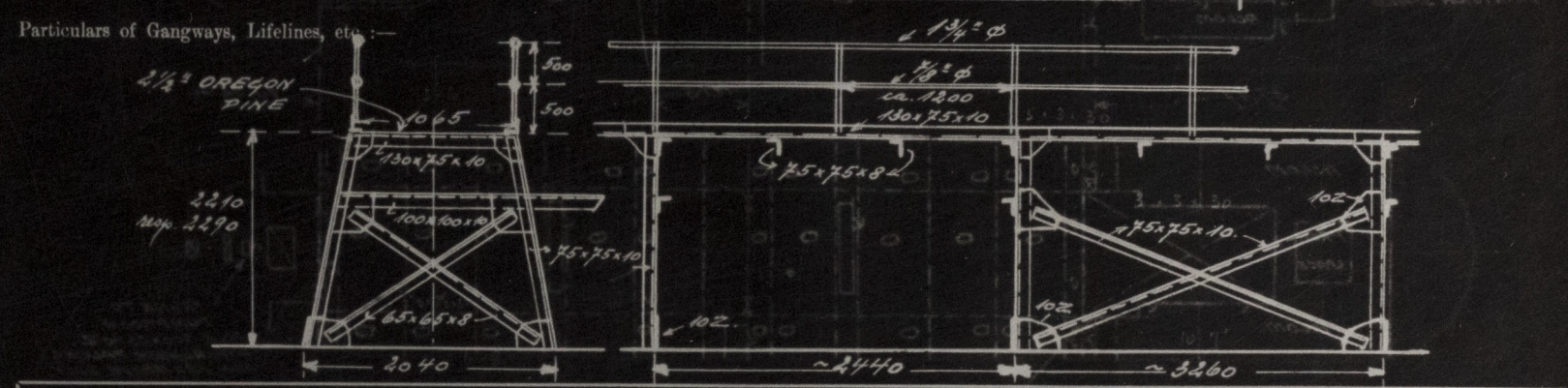
Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :- *Air pipe to fore peak tank 650 Z above fore-castle deck. Air pipe to after peak tank 650 Z above poop deck. Air pipes to double bottom tanks 650 Z above poop deck. All air pipes of substantial construction 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 120x110 Z. 6 scuppers on each side above freeboard deck 100x60 Z. All sanitary discharge pipes are fitted with storm valves.*

Particulars of Side Scuttles: *No side scuttles fitted below freeboard deck. Side scuttles in fore-castle and poop spaces are of substantial construction and fitted with hinged deadlights.*

Particulars of Guard Rails :- *Open rail on freeboard deck, fore-castle 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			Open rail fitted.			
Forward Well						
State position of each freeing port ... After Well :- ✓ (P. 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)	300x12	11.5	250x90x12.5	800	bracketed at top & bottom	2a. 700x1540	460	2440
Raised Quarter Deck Bulkhead	✓	✓	✓	✓	✓	2a. 950x1250	590	✓
Bridge, After Bulkhead	250x12	8.0	130x65x8	700-870	bracketed at top & bottom	1a. 600x1650	350	2210
Bridge, Forward Bulkhead	250x14	12.0-14.5	250x90x12	700-870	bracketed at top & bottom	2a. 700x1550	460	2210
Fore-castle Bulkhead	250x12	7.5	100x75x10	730	none	2a. 950x1250	590	2290
PUMP ROOM HOUSE								
Trunk, Aft	250x10	8.0	150x75x10	870	bracketed at top & bottom	1a. 700x1400	610	2135
PUMP ROOM HOUSE								
Trunk, Forward	250x10	8.0	150x75x10	870	bracketed at top & bottom	1a. 700x1400	610	2135
Exposed Machinery Casings on Freeboard at Raised Quarter Deck	150x150 x 14	13.5	300x90x15	870	bracketed at top & bottom	none	✓	2440
Exposed Machinery Casings on Superstructure Decks	300x8.5	8.0	130x65x8	750	top & bottom	2a. 700x1650	350	2440
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	300x8.5	7.5	115x65x8	1460	bracketed at top	2a. 700x1650	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 with rubber packing, closed by clips and wing bolts from outside only. ✓
Bridge, Forward Bulkhead	2 hinged steel doors with rubber packing, closed by clips and wing bolts from outside only. ✓
Fore-castle 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	✓
Exposed Machinery Casings on Superstructure Decks	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	2 hinged steel doors with rubber packing, closed by clips and wing bolts from outside only. ✓
PUMP ROOM	
Deckhouses on Flush Deck Ships	One hinged steel door with rubber packing, closed by clips and wing bolts from outside only. ✓



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