

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index. No. 21452
(For London Office only.)Computation of Freeboard for ~~Steamer~~ Sailing Ship, Tanker

having

POOP, BRIDGE, FORECASTLE

Port of Survey ROTTERDAMNICOLAOU MARIADate of Survey 26-9-1932MARIA NICOLAOU

(Type of Superstructures.)

Ship's Name

Nationality and Port of Registry

Gross Tonnage

Date of Build

"OIL SHIPPER"Greek
BRITISH
Registry
London14907255251927-7Name of Surveyor M. van der MeerMoulded Dimensions: Length 409.50 Breadth 53.25 Depth 31.08Moulded displacement at moulded draught = 85 per cent. of moulded depth 13019 tonsCoefficient of fineness for use with Tables .790Particulars of Classification 100 A. 1
S.S. Reg. No. 1-31

Depth for Freeboard (D)		Depth correction		Round of Beam correction	
Moulded depth	... 31.08	(a) Where D is greater than Table depth (D - Table depth) R =	...	Moulded Breadth (B)	53.25
Stringer plate06	(31.14 - 27.30) 3 = + 11.52		Standard Round of Beam = $\frac{B \times 12}{50}$	12.78
Sheathing on exposed deck	...	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =		Ship's Round of Beam	12.1
$T \left(\frac{L-S}{L} \right) =$				Difference	.28
Depth for Freeboard (D) =	31.14	If restricted by superstructures		Restricted to	
				Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right)$	$\frac{.28}{4} \times .582 = + .04$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	106.00	106.00	7.5		106.00
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...	26.0	26.00	7.5		26.00
" overhang aft ...					
" overhang forward ...					
Fore-cabin enclosed ...	39.0	39.00	7.5		39.00
" overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" forward ...					
Total ...	171.00	171.00			171.00

Standard Height of Superstructure 7.50" " R.Q.D. ✓Deduction for complete superstructure 42.00Percentage covered $\frac{S}{L} = 41.76\%$ " " $\frac{S_1}{L} = 41.76\%$ " " $\frac{E}{L} = 41.76\%$

Percentage from Table, Line A.

(corrected for absence of forecastle (if required))

Percentage from Table, Line B. 32.76

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 20 ft. (if required)

Deduction = $42.0 \times .3276 = - 13.76$

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ...	50.95	1		50.95	55.50	55.50	1		55.50
$\frac{1}{2}$ L from A.P. ...	22.67	4		90.68	23.50	23.50	4		94.00
$\frac{1}{2}$ L " ...	5.60	2		11.20	5.84	5.84	2		11.68
Amidships ...		4					4		
$\frac{3}{2}$ L from F.P. ...	11.21	2		22.42	11.41	11.41	2		22.82
$\frac{1}{2}$ L " ...	45.34	4		181.36	45.63	45.63	4		182.52
F.P. ...	101.90	1		101.90	103.00	103.00	1		103.00
Total ...				458.51					499.90

Mean actual sheer aft = EvenMean actual sheer forward = EvenLength of enclosed superstructure forward of amidships = 32.76" " aft of " = Does not applyCorrection = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{11.04}{18} \left(.75 - .2088 \right) = - .45$

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.		Deduction for Fresh Water.		TABULAR FREEBOARD corrected for Flush Deck (if required)	
Addition for Winter and Winter North Atlantic Freeboard.		Displacement in salt water at summer load water line.		Correction for coefficient	
Depth to Freeboard Deck =	31.14	$\Delta =$	12490	$\frac{.790 + .68}{1.36}$	
Summer freeboard =	5.612	Tons per inch immersion at summer load water line		11.52	
Moulded draught (d) =	25.312	T =	43.9	13.76	
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =	6.38 = 6 1/2	Deduction = $\frac{\Delta}{40T}$ inches =	7.11	.04	
Addition for Winter North Atlantic Freeboard (if required) =	4.09 = 4"	COULD NOT BE OBTAINED		Correction for Thickness of Deck amidships	
				Other corrections, scantlings, etc. ...	
				Summer Freeboard = 67.3749	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc ...	13 1/2
Fresh Water Line	7
Tropical Line	6 1/2
Winter Line	6 1/2
Winter North Atlantic Line	10 1/2

Tropical Fresh Water Freeboard ...	5 - 7 1/2	5.75
Fresh Water	4 - 5 1/2	4.75
Tropical	5 - 6 1/2	5.75
Winter	6 - 7 1/2	6.75
Winter North Atlantic	6 - 10 1/2	6.75

SEP 1932

RECEIVED

FEB DEC 1936

RECEIVED 27 FEB 1936

RECEIVED 30 SEP 1932

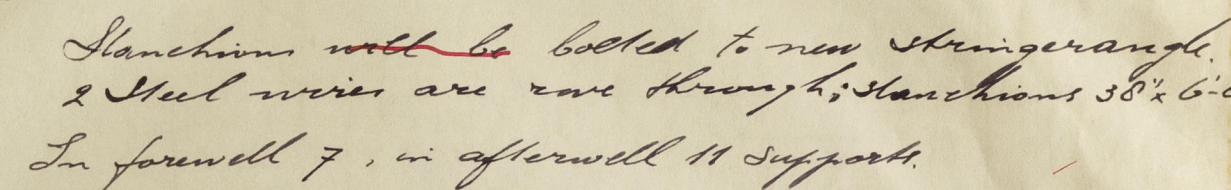
Maria Nicolaou

Particulars of Scuppers and Sanitary Discharge Pipes:— *All sanitary discharge pipes lead from spaces situated above the pressure deck and are jettied with stormwater. Dog markers drain to E.R. bilge.*

Particulars of Side Scuttles:— In fore, bridge and poop-deck, also in crew's mess-room in fore & main-deck; of a substantial construction and fitted with hinged steel door-plates. In mess-room 29 below foreward deck.

Particulars of Guard Rails:— Round fitch, bridge and fog-ditch open rail, riveted
stanchions and 2 bars. Stanchions 48", 40" and 40", spaced
about 4'-9".

Particulars of Gangways, Lifelines, etc.:— The gangways ~~will be~~ altered, according to the recommendations, made for S.S. OILTRADER, see our report N.° 20876, and your letter of 19 January 1932 to the Owners



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	...	144.0	3.5	1.5 high	16.	134.24 ^{1/2}	126.0 ϕ
Forward Well	...	96.0	3.5	0"	10	83.7 $\frac{1}{2}$	84.0 ϕ

State position of each freeing port ... After Well:— see sketch
 (N 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:— , horizontal guardrail.

Additional area where sheer is less than standard.

Particulars of fiddle, funnel and ventilator coverings:—
Fiddle, funnel, engine room skylight, ventilator coverings and hatch
saddle back of a substantial construction and in good condition.
Fiddle gratings fitted with strong hinged steel covers. ✓

Particulars of Flush Bunker Scuttles:— *none fitted.*

Particulars of Companionways:— ~~none fitted~~. Access from bridge to bustle space inside
 steel deck house. Prompt room entrance of steel, of a substantial
 construction, door at after end, ordinary hinged steel door,
 operated from both sides, will roll be altered into 24"
 entrance to crew's mess in lower deck fore inside fore space, access
~~will be altered into steel door.~~

[illegible]

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—				
POPE DECK	AIR	F.P. TANK	3' x 22"	/
"	"	D.B.	4' x 20"	/
POPE DECK	5'	" D.B.	2 1/2' x 20"	/
"	2'	" " "	3' x 20"	/
"	2'	" " "	2' x 20"	/

Wood plugs are on board. /

Particulars of Gangway Cargo and Coaling Ports :—

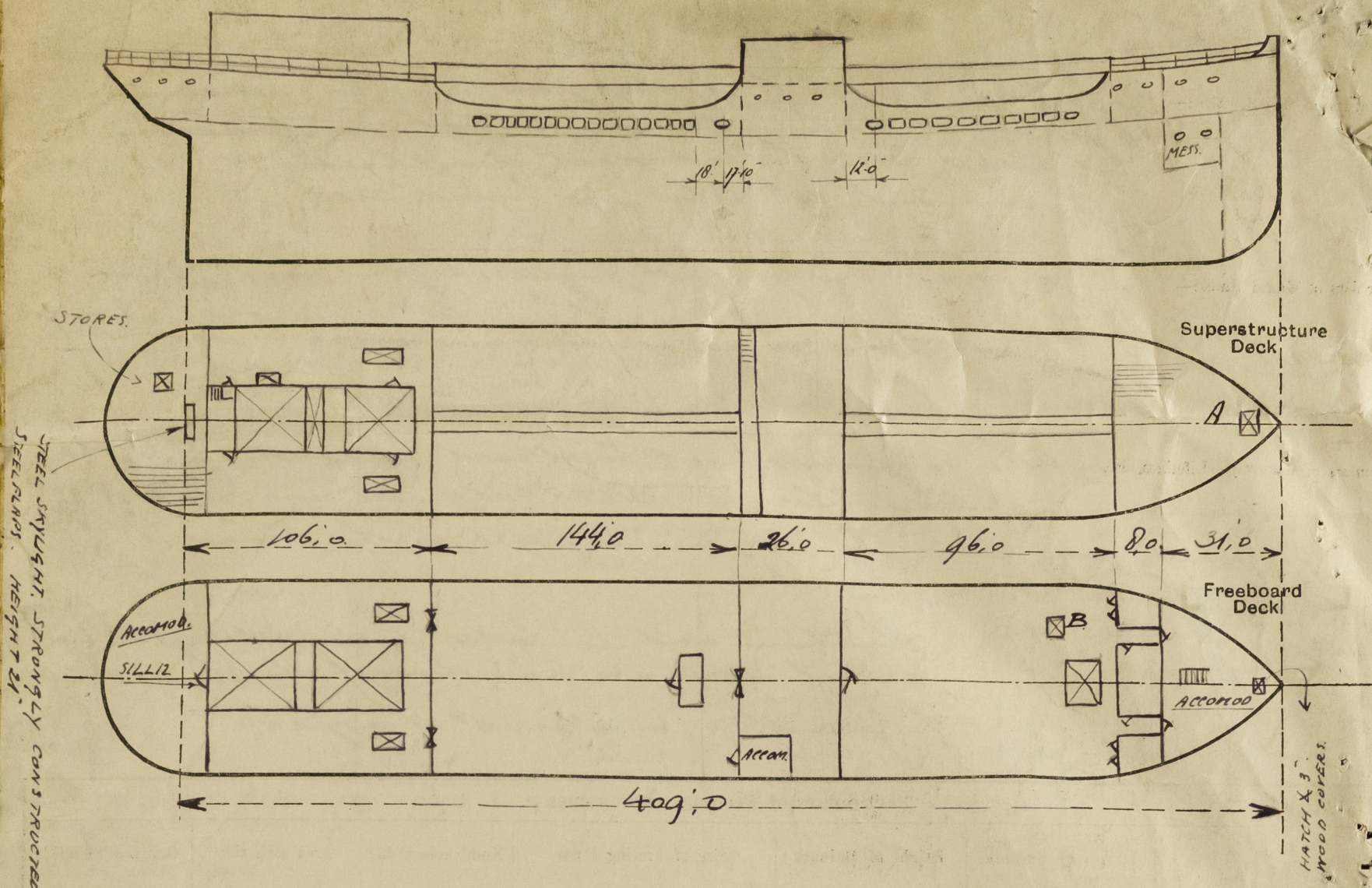
none fitted.

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	40"	44"	BA. g. x 3" x 50"	33"	2 BRACKETS	4'-1 x 3'-1	19"	
Raised Quarter Deck Bulkhead ...	-			41"		18"		
Bridge, After Bulkhead	40"	40"	X 3 1/2 x 3 x 36"	AND BULKHEADS	✓	4'-2 1/2 x 4'-0"	18"	
Bridge, Forward Bulkhead	44"	40"	BA. g. x 3" x 50"	38"	LUGS TOP & BOTTOM	4'-0" x 3'-0"	18"	
Forecastle Bulkhead	32"	30"	X 3 x 2 1/2 x 30"	± 38"	✓	4'-11 x 4'-11"	10 1/2"	
Trunk, Aft	-							
Trunk, Forward	-							
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	-							
Exposed Machinery Casings on Super-structure Decks ON POOP ...	40"	38"	X 3 1/2 x 3" x 30"	27"	BRACKETS TOP	4'-9 x 2'-2"	18"	7'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... 100' POOP	40"	40"	WEBS 15" x 40" HORIZONT. X 4 x 3 x 36"	9'-6" 2'-4"	BRACKET & LUGS	NO OPENINGS ONLY TO QUARTERS IN ENCLOSED PART		
Deckhouses on Flush Deck Ships ...	-							

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead	2 1/2	Stormboards in twisted E over full height, also portable plates	to hook bolts through plate only.
Raised Quarter Deck Bulkhead	2 1/2	Stormboards in twisted E full height. In wings ordin. hinged steel door to shut enclosure accom.	
Bridge, After Bulkhead	2 3/4	Stormboards in twisted E full height. In wings ordin. hinged steel door to shut enclosure accom.	
Bridge, Forward Bulkhead	2 3/4	Ordinary hinged steel door, operated from both sides.	
Forecastle Bulkhead	2 3/4	Access to fo'c's accom. now ordin. hinged steel door, operated 2 sides.	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	2 3/4	In wings ordin. wood as steel doors.	
Exposed Machinery Casings on Superstructure Decks	2 3/4	Now all ordinary hinged steel doors, operated from both sides.	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	2 3/4	Ordinary hinged wood door at upper end casing, operated 2 sides.	

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches:—



State any special features in the construction of the ship:—

The freeboard during has been held whole afloat.

Propeller divided in two, forward part with doors in propeller. length 75' 5. Steel bulkhead at after end casing.

Builder's name and yard number Swan Hunter & Migham Richardson
 Names of sister ships Oiltrader
 Owners British Oil Shipping Co. Ltd. (A. A. Rapp. Mgrs.)
 Fee of 163.20 Will be Received by me Rotterdam 27th Sept. 1932

Van der Weel