

OLLONIA 34015
GELIA 34029
HALLOTIS 33957
R.P. C.11.

33611

25 APR 1932

Index. No. 33611.
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having Poop - Trunk - Forecastle

Port of Survey Singapore.

Date of Survey 21st March 32

Name of Surveyor John Tindlay

Particulars of Classification +100 A1.
Carry Petroleum in Bulk.

(Type of Superstructures.)

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
<u>ALDEGONDA.</u>	<u>Dutch</u> <u>The Hague</u>	<u>-</u>	<u>2088.</u>	<u>1931-3.</u>

Moulded Dimensions: Length 260' Breadth 48' Depth 14.75'

Moulded displacement at moulded draught = 85 per cent. of moulded depth 3450 tons

Coefficient of fineness for use with Tables .741 3448

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth <u>14.75'</u>	(a) Where D is greater than Table depth (D - Table depth) R =	Moulded Breadth (B) <u>48.0</u>
Stringer plate <u>10 1/2" / 11" =</u> <u>.34</u>		Standard Round of Beam = $\frac{B \times 12}{50} =$ <u>11.52</u>
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =	Ship's Round of Beam = <u>12.0</u>
		Difference <u>.48</u>
Depth for Freeboard (D) = <u>14.49</u>	<u>(17.33 - 14.79) 2.0 = -5.08</u>	Restricted to
	If restricted by superstructures	Correction = $\frac{\text{Diff}}{4} \times (1 - \frac{S_1}{L}) = \frac{.48}{4} (1 - \frac{83.48}{83.49}) = -.02$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	<u>86.46</u>	<u>86.46</u>	<u>7'-3"</u>		<u>86.46</u>
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed	<u>46.5</u>	<u>46.50</u>	<u>7'-3"</u>		<u>46.50</u>
" overhang					
Trunk aft <u>118.49</u> <u>21</u>		<u>46.42</u>			<u>46.42</u>
" forward <u>11.35</u> <u>34</u> <u>48</u>	<u>127.04</u>	<u>9.34</u>	<u>7'-3"</u>		<u>9.34</u>
Tonnage opening aft					
" forward	<u>132.96</u>				
Total	<u>260.00</u>	<u>214.02</u>			<u>217.02</u>

Standard Height of Superstructure 6.13

" " R.Q.D. 32.0

Deduction for complete superstructure 32.0

Percentage covered $\frac{S}{L} =$ 51.15%

" " $\frac{S_1}{L} =$ 83.48%

" " $\frac{E}{L} =$ 83.49%

Percentage from Table, Line A.
(corrected for absence of forecastle (if required))

Percentage from Table, Line B. 79.61%
(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = 32.0 x .7961 = -25.48

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	<u>36.00</u>	1		<u>36.00</u>	<u>54</u>	<u>10.75</u>	<u>30.75</u>	1	<u>30.75</u>
1/4 L from A.P.	<u>16.02</u>	4		<u>64.08</u>	<u>25</u>	<u>11.85</u>	<u>11.85</u>	4	<u>47.40</u>
1/2 L "	<u>3.96</u>	2		<u>7.92</u>	<u>7</u>	<u>2.95</u>	<u>2.95</u>	2	<u>5.90</u>
Amidships	-	4		-	-	-	-	4	-
3/4 L from F.P.	<u>4.92</u>	2		<u>9.84</u>	<u>3</u>	<u>6.30</u>	<u>6.30</u>	2	<u>12.60</u>
1/4 L "	<u>32.04</u>	4		<u>128.16</u>	<u>11 1/2</u>	<u>25.28</u>	<u>25.28</u>	4	<u>101.12</u>
F.P.	<u>42.00</u>	1		<u>42.00</u>	<u>30 3/4</u>	<u>54.00</u>	<u>54.00</u>	1	<u>54.00</u>
Total				<u>324.00</u>					<u>251.47</u>

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 = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{72.23}{18} \left(.75 - \frac{255.7}{260} \right) = +1.98$

If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 14.79 Ft.

Summer freeboard = .58

Moulded draught (d) = 14.21

Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 3.55 X

Addition for Winter North Atlantic Freeboard (if required) = $\frac{3}{2} \times 2.6 = 6.1$ X

Deduction for Fresh Water.

Displacement in salt water at summer load water line 3498 Tons.

$\Delta =$ 3498 Tons.

Tons per inch immersion at summer load water line 25.9 Tons.

T = 25.9 Tons.

Deduction = $\frac{\Delta}{40 T}$ inches = 3.94

= 4"

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient $\frac{772 \times .68}{1.36} = \frac{1.452}{1.36} = 33.3$

	+	-
Depth Correction	-	<u>5.08</u>
Deduction for superstructures	-	<u>25.48</u>
Sheer correction	<u>1.98</u>	-
Round of Beam correction	-	<u>.02</u>
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	-	-
	<u>1.98</u>	<u>30.58</u>

Summer Freeboard = 6.93

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

28 APR 1932	Tropical Fresh Water Line above Centre of Disc	<u>19 9/16</u>	Tropical Fresh Water Freeboard	<u>18 9/16</u>
	Fresh Water Line " "	<u>10</u>	Fresh Water " "	<u>8</u>
	Tropical Line " "	<u>9</u>	Tropical " "	<u>9</u>
	Winter Line below " "	<u>9</u>	Winter " "	<u>24</u>
	Winter North Atlantic Line " "	<u>15</u>	Winter North Atlantic " "	<u>33</u>

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway		Forehold	Cargo Tanks.			Wing Tanks			
Dimensions of Hatchway			1.	2.	3.	1.	2.	3.	
		9'-0" x 10'-0"	6'-0" x 4'-1½"	6'-0" x 4'-1½"	8'-0" x 7'-0"	36" x 21"	36" x 21"	36" x 21"	
COAMINGS { Height above Deck		33"	9' x 3½" x .50 BA	9' x 3½" x .50 BA	33"	9' x 3½" x .50 BA			Wing Tank hatches Trunked to above Trunk Deck. oil tight Steel casings
{ Thickness { Sides ... ..		.50	.50	.50	.50				
{ Ends ... ..		.50	.50	.50	.50				
{ Stiffeners		9' x 3½" x .50 BA			9' x 3½" x .50 BA				
{ Brackets, Stays									
HATCH BEAMS { Number		Note. Small entrance hatches fitted on No 3 hatch lid 2'-6" x 2'-6" x 9" steel lids. " " " " " In hold " " - do - 3 small oil tight hatches on Forecastle Dh. 9' x 3½" x .50 BA. 2 " " " " at Cross Bunker - do -							
{ Spacing									
{ Scantling and Sketch									
{ Bearing Surface									
FORE AND AFTERS { Number									
{ Spacing									
{ Unsupported Lengths									
{ Scantling* and Sketch									
{ Bearing Surface									
HATCH COVERS { Material		all steel covers. 10/20 and 11/30							
{ Thickness ... ..		.55 Plate	.50 Plate	.50 Plate	.55 Plate	.50 Plate			
{ How fitted		firmly	- do -	- do -		covers apparently stiffened.			
{ Bearing Surface		stiffened							
Spacing of Cleats		All hatches secured with plates and butterfly nuts							
Number of Tarpaulins		Spacing - large hatches 16" small = 13"							
<p>*Are wood fore and afters steel shod at all bearing surfaces? ✓</p> <p>Are battens and wedges efficient and in good condition? ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? ✓</p> <p>Are lashings provided in accordance with rule requirements? ✓</p>									

Particulars of fiddley, funnel and ventilator coamings :—

Tidalay and funnel ventilators in efficient condition.
Engine Room casing enclosed in superstructure of
strong construction, above enclosed poop. ✓

Particulars of Flush Bunker Scuttles:—

hone. ✓

Particulars of Companionways :—

Two companionways to Crews accom. situate on Forecastle Deck.
Height = 6'-9" Steel casings 40 thick. fitted with ~~Teak~~^{Steel} wood doors 1 7/8" thick
opening from both sides. Height of sill = 13"

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :—

on Forecastle Deck. { To Acom. 12 rnts 8" dia 16 1/2" coamings C1.
 " F.P. Spar 2 " " 30" " " " " } all fitted with
 " F. Hold 2 " 11 1/2" " " " " " " " " } permanent closing
 " " Store 1 " 8 1/2" " " " " " " " } arrangements.
 " " " 1 " 10 1/2" " " " " " " " }
 on Poop Deck aft. TOA Peak Spar 2 " 8" " 30" " " " " } closed with wood plugs and
 " " " 1 " 8" " 16 1/2" " C1. } canvas covers.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :—

Ropes in exposed positions on freeboard, raised quarter, or superstructure decks:—				
Goose-necks fitted on	Incasalle Dk.	{ 4 - 2½" dia	air pipes to F.P. Clean Batho RW's	}
" " "	Poop Dk aft.	4 - 3" "	" " " F.P. and room.	
" " "	" " fwd	{ 3 - 3" "	" " " Settling Tanks. 24" high.	}
" " "	" " "	{ 2 - 3" "	" " " Bunkers. 6'0" "	
" " "	" " "	{ 2 - 3" "	" " " ER Tanks 24" "	
wood plugs & canvas covers provided				

Particulars of Gangway Cargo and Coaling Ports :—

none. ✓

Particulars of Scuppers and Sanitary Discharge Pipes — All scuppers and discharge pipes from Forecastle and poop spaces fitted with G.M. storm valves
Scupper pipes from Crew's baths in Forecastle and from accm. aft have outlets above freeboard deck.

Particulars of Side Scuttles: no sidelights below freeboard deck.
sidelights in Crew's spaces in Poop and Forecastle made of G.M. and all fitted with C.I. hinged deadlights
all approx. 9'-0" above load line.

Particulars of Guard Rails:— Handrails fitted on freeboard deck for full length of Trunk.
" " " Trunk Top, Forecastle and at after end of Poop.
all efficiently supported, having stanchions 56" apart, Top rail 42" high and two intermediate rails with spacing 14" centres.

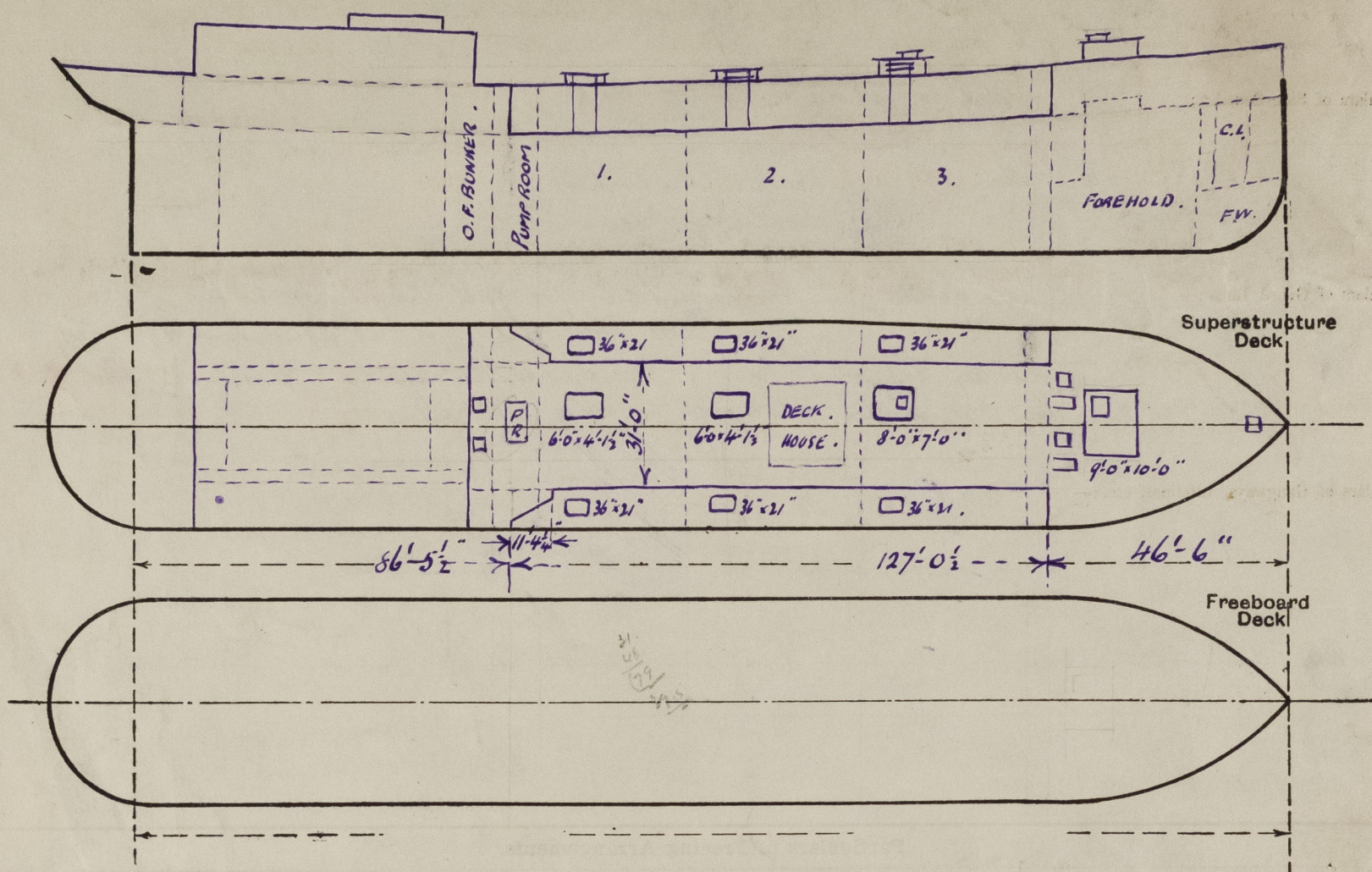
Particulars of Gangways, Lifelines, etc.:— none. (See particulars of guard rails on trunk top).

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	none. ✓	-	-	-	-	-
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.						

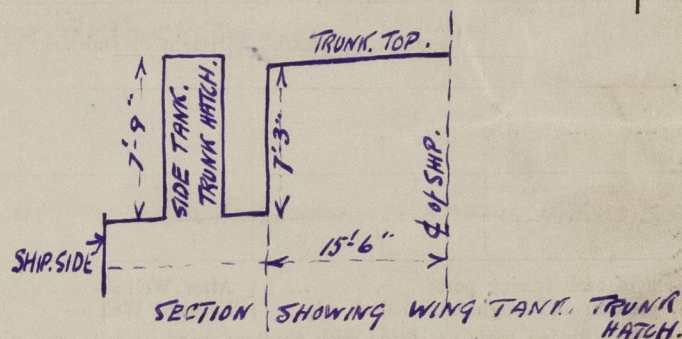
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ... ..	.40 ✓	.40 ✓	6" x 2 1/2" x .40' L	26" ✓	Brackets ✓	- ✓	- ✓	7' 3" ✓
Raised Quarter Deck Bulkhead ...	-							
Bridge, After Bulkhead	-							
Bridge, Forward Bulkhead	-							
Forecastle Bulkhead ... ..	.40 ✓	.40 ✓	3 1/2" x 3" x .40' L	30" ✓	none ✓	-	-	7' 3" ✓
Trunk, Aft ... ..	.40 ✓	.40 ✓	-	26" ✓	-	-	-	7' 3" ✓
Trunk, Forward								
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								
Deckhouses on Flush Deck Ships ...								
Particulars of Closing Appliances (state if capable of being manipulated from both sides).								
Poop Bulkhead	none. ✓							
Raised Quarter Deck Bulkhead ...	-							
Bridge, After Bulkhead	-							
Bridge, Forward Bulkhead	-							
Forecastle Bulkhead	none. ✓							
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								
Deckhouses on Flush Deck Ships ...								

Machinery casings enclosed in poop superstructure. This superstructure fitted with hinged steel doors at both ends, capable of being operated from both sides. Sills = 18" high.
Also fitted with Teak wood doors inside, each end. 1 1/8" thick.

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 shewn on the following sketches:—



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



Builder's name and yard number A. F. Smulders Schiedam N° 659.

Names of sister ships 'Angelina'

Owners N. V. Nederland Indische Tankvloot Maatschappij

Fee \$90/- : : Received by me _____

Ref \$10/-



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