

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

Computation of Freeboard for ~~Steamer, Sailing Ship, Tanker~~  
having Poop, Trunk, Forecastle

(Type of Superstructures.)

Ship's Name T.S.S. "FRASCA" Nationality and Port of Registry Willemstad, Dutch. Official Number 3552 Gross Tonnage 2602 Date of Build 1926-10

Moulded Dimensions: Length 305'0" Breadth 50'2" Depth 15'16"  
Moulded displacement at moulded draught = 85 per cent. of moulded depth \_\_\_\_\_ tons  
Coefficient of fineness for use with Tables \_\_\_\_\_

Port of Survey Curacao, S.W.I.  
Date of Survey June 14<sup>th</sup> & 15<sup>th</sup>, 1934.  
Name of Surveyor E. S. Whitham  
Particulars of Classification +100. A1.  
S.S. Co., No 1-30.  
carrying petroleum in bulk.

Depth for Freeboard (D)		Depth correction		Round of Beam correction	
Moulded depth	... .. 15'16"	(a) Where D is greater than Table depth (D-Table depth) R =		Moulded Breadth (B)	50'2"
Stringer plate	... .. 0'4"			Standard Round of Beam = $\frac{B \times 12}{50}$	12'048"
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	12'5"
Depth for Freeboard (D) =	15'2"	If restricted by superstructures		Difference	
				Restricted to	
				Correction = $\frac{\text{Diff}^a}{4} \times \left( 1 - \frac{S_1}{L} \right)$	=

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>i</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..	86'5"		7'50"		
" overhang ... ..					
R.Q.D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed... ..	14'0"		22'0"		
" overhang aft ... ..					
" overhang forward ... ..	4'0"		7'50"		
Fore enclosed 41'5"			7'50"		
" overhang 147'0"			6'25"		
Trunk aft ... ..					
" forward ... ..					
Tonnage opening aft ... ..	55'25"		7'50"		
" " forward ... ..					
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		2'0"		1	
$\frac{1}{6}$ L from A.P. ... ..		4		0'0"		4	
$\frac{2}{6}$ L " ... ..		2		0'0"		2	
Amidships ... ..		4		0'0"		4	
$\frac{2}{6}$ L from F.P. ... ..		2		1'0"		2	
$\frac{1}{6}$ L " ... ..		4		4'0"		4	
F.P. ... ..		1		25'0"		1	
Total ... ..							

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( 75 - \frac{S}{2L} \right) =$

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 =  $\frac{\Delta}{40T}$  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 = \_\_\_\_\_

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

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

Tropical Fresh Water Freeboard ... ..  
Fresh Water " " ... ..  
Tropical " " ... ..  
Winter " " ... ..  
Winter North Atlantic " " ... ..



## HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.

Particulars of fiddley, funnel and ventilator coamings :—

Particulars of Flush Bunker Scuttles:—

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

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

Particulars of Gangway Cargo and Coaling Ports :—

Particulars of Scuppers and Sanitary Discharge Pipes:— 2-6 inch and 3-4 inch storm discharge valves on ship's side from W.C.'s. all discharges from wash basins etc in poop, captain's quarters, and fore-castle fitted with storm valves on ship's side and efficient traps at the inboard end. Two scuppers led from after peak flat to Engine Room Bilge. all storm valve chests of cast iron fitted with steel covers, copper valves and pins with exception of one 6 inch valve of brass with brass pin.

Particulars of Side Scuttles :—

all side scuttles in forecabin and poop fitted with efficient hinged covers permanently attached

Particulars of Guard Rails :—

ward Rails:— Freeboard Deck. 3' 6" high. 3 rails. Stanchions spaced 5 to 6 feet  
Breast Castle Deck (part rails). " " " " " " " "  
Trunk top. " " " " " " " "  
Poop Deck. " " " " " " " "

Particulars of Gangways, Lifelines, etc. :—

The trunk top forms a gangway between the Forecastle and the Poop.

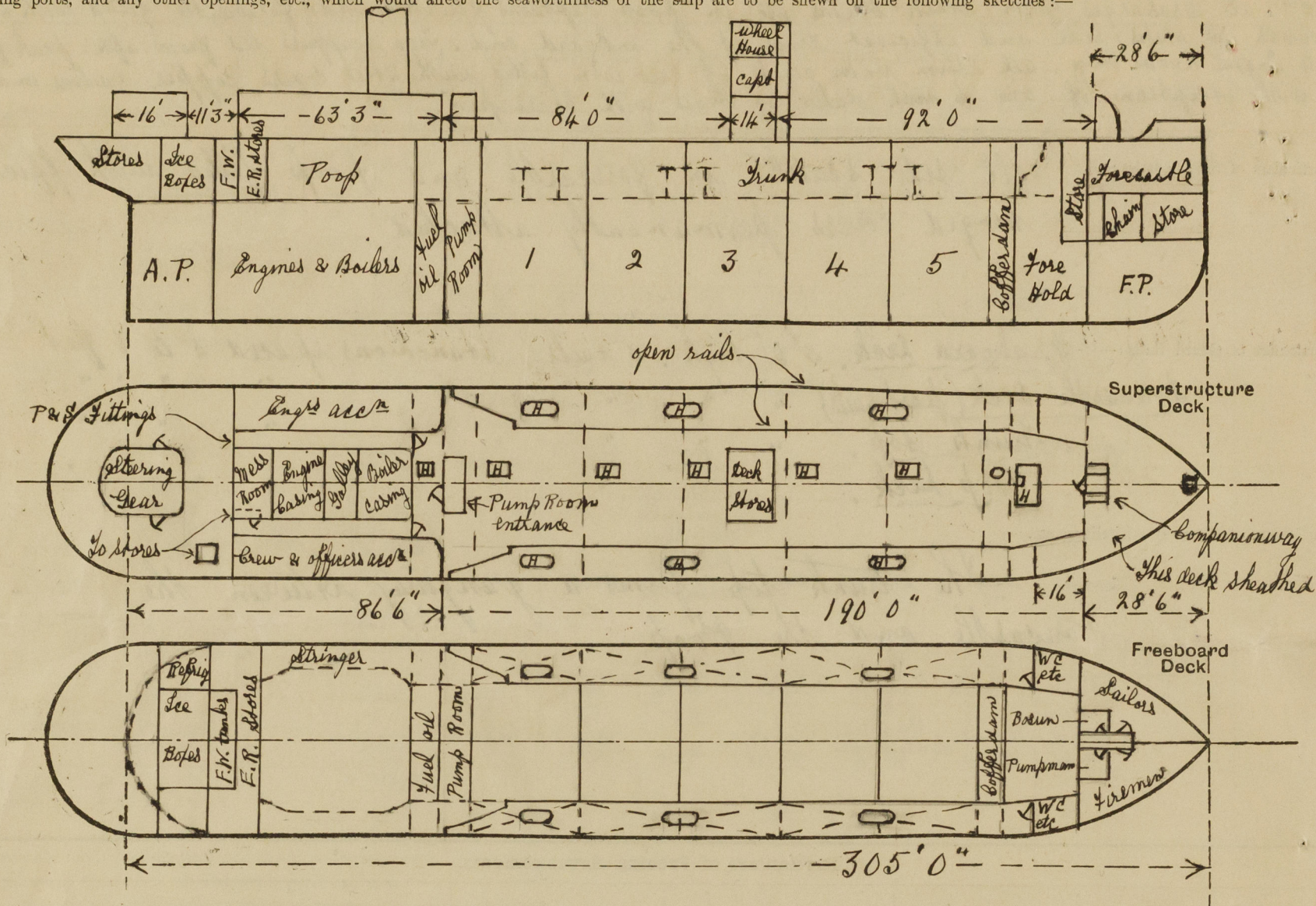
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ... ..	✓	3/4	6x3x36 Bk 4x3x34 F	24"	Bkt	✓	✓	✓
Raised Quarter Deck Bulkhead <i>steering Eng deck house</i>	30	26	3x12 half R <sup>d</sup>	24" to 42"	Bkt at top	2'x5'	18"	4'6"
Bridge, After Bulkhead ... ..	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, Forward Bulkhead ... ..	30	26	3x3x30	24" to 34"	Bkt	2'x5'	18"	22'
Forecastle Bulkhead ... ..	40	34	4x3x30	24"	"	<i>none</i> companionway	✓	4'6"
Trunk, Aft ... ..	44	42	5 1/2 x 3 x 34 Bk	24"	"	✓	✓	6'3"
Trunk, Forward ... ..	44	42	3x3x40	24"	"	✓	✓	6'3"
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Super-structure Decks <i>1st deck Eng Bk</i>	40	34	4x3x34	24"	Bkt	2'3"x4'6"	18"	4'6"
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	...	...	no openings.
Raised Quarter Deck Bulkhead	...	...	2 steel doors capable of being manipulated from both sides.
Bridge, After Bulkhead	...	...	4 steel doors 2' x 5' x 18" sill in side bulkheads, doors capable of being manipulated from both sides.
Bridge, Forward Bulkhead	...	...	No openings. Steel door 2' x 5' x 3" with 15" sill to companionway capable of being manipulated from both sides.
Forecastle Bulkhead	...	...	Steel door capable of being manipulated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	...	...	all doors within superstructure in efficient condition.
Exposed Machinery Casings on Superstructure Decks	...	...	2 steel doors 1' 10" x 4' 9" x 18" sill to WCS on freeboard deck, opening & closing appliances in order
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	...	...	
Deckhouses on Flush Deck Ships	...	...	



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. J. Smulders.

11<sup>0</sup> 5-94

Names of sister ships

"Felipa"

Owners

Curacao'sche Scheepvaart Maatschappij

Fee £

46 60<sup>00</sup>

Received by me



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