

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD - STEAMERS

(Under the Provisions of the U. S. A. Load Line Act of March 2, 1929)

16698
Port of Survey **New York**
Date of Survey **Feb-Mar., 1940**
Name of Surveyor **W. Boylan**

Ship's Name. **"PANAMANIAN"**
ex **"PRESIDENT FILLMORE"**
Port of Registry and Nationality. **Panama**
Official Number. **-**
Gross Tonnage. **15903**
Date of Build. **1904-1**
Particulars of Classification. **Class Contemplated 100 A1 with Freeboard**

Number in Register Book.
Compania Transatlantica Centro-Builder **New York S.B. Corp.** Hull No. **5**
A. Panama
Moulded dimensions **600** × **65** × **43.25** (85% = **36.76**)
Moulded displacement at a moulded draught of 85 per cent. of moulded depth **30,100**
Coefficient of fineness for use with tables. **.735**

DEPTH FOR FREEBOARD.		CORRECTION FOR DEPTH.		CAMBER
depth ...	43.25	(a) When D is greater than $\frac{L}{15}$		Standard $\frac{65 \times 12}{50} = \dots$ 15.60
plate083	$(D - \frac{L}{15}) \times R = (43.333 - 40)3 \dots$ + 100"		Ship ... 12"
g in wells } ($\frac{L-S}{L}$) =	-	(b) When D is less than $\frac{L}{15}$ (if allowed)		Difference ... 3.60
Depth D =	43.333	$(\frac{L}{15} - D) \times R = \dots$		Restricted to ...
		If restricted by height of superstructures		Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) =$ N11

SUPERSTRUCTURES.

	Mean Covered Length S.	Effective Length S. (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
oop enclosed ...					
" overhang ...					
Q.D. enclosed ...					
" overhang ...					
ridge enclosed ...					
" overhang aft ...					
" overhang forward ...					
cle enclosed ...					
" overhang ...					
runks forward ...					
" aft ...					
onnage opening ...					

100% ERECTIONS

8' 0" IN HEIGHT

Total =

Length of ship (**L**) =

% Covered... =

Corresponding %, corrected for }
presence of forecastle if required } **A** =

Allowance ... =

B =

Correction for Bridge less }
than $\frac{1}{2}L$ if required }

42 × **1.00** = **-42"**

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	4 5	7 0 0 0	5 1	1	5 1
2	6		1 2	4	8
3	0		0	2	
4	0		0	4	
5	1 1		1 7	2	3 4
6	4 5		5 1	4	2 0 4 3
F.P. 7	1 1 7	1 4 0 0 0	1 2 3	1	1 2 3

Actual T.D. height = **96"**
Standard T.D. " = **90"**

If excess sheer forward and deficient sheer aft: **Excess = 6"**

Actual sheer aft
Standard sheer aft = **Deficient**

Actual sheer forward
Standard sheer forward = **Deficient**

Length of enclosed superstructure

L

Forward of amidships =)

Aft of amidships =)

100%

Mean effective sheer ... = **25.56**
Standard sheer $.05L + 5 =$ **35.00**
Difference (**Df**) = **9.44**
Allowance = $Df \times (.75 - \frac{S}{2L}) = 9.44 \times .25 =$ **+ 2.36"**
limited on account of amidship superstructure ... =
limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.) ... =

DRAFTS.

Depth **D** = **43' - 3"**
Plate = **1"**
Deck) **43' - 4"**
ard **9' - 4"**
draught **34' - 0"**
for keel below base line **4"**
draught **34' - 4"**

F. W. ALLOWANCE

Displacement = **27575**
Tons per inch = **81.7**
 $\frac{27575}{40 \times 81.7} =$ **8 $\frac{1}{2}$ "**

TABULAR FREEBOARD

(corrected for flush deck if required) =

Corrected for Coefficient $\frac{.735 + .68}{1.36} =$ **1.415**
1.36

Correction for Depth ... **10.00**
Superstructures ... **42.00**
Sheer ... **2.36**
Camber ... **-**
Thickness of deck ... **6.90**
Scantlings, etc. ... **-**

19.26 **42.00** **- 22.74"**

Summer Freeboard = **112.00**

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

Tropical Fresh Water Line (above center of Disc)	17" 432mm	Tropical Fresh Water Freeboard	9' - 4" 2845 m/m
Fresh Water Line	8 $\frac{1}{2}$ " 216mm	Fresh Water	7' - 11" 2413 m/m
Tropical Line	8 $\frac{1}{2}$ " 216mm	Tropical	8' - 7 $\frac{1}{2}$ " 2629 m/m
Winter Line (below ")	8 $\frac{1}{2}$ " 216mm	Winter	8' - 7 $\frac{1}{2}$ " 2629 m/m
Winter North Atlantic Line	-	Winter North Atlantic	10' - 0 $\frac{1}{2}$ " 3061 m/m

Note:—The Rules referred to below are the Load Line Regulations of the United States Department of Commerce.
(These should be consulted when completing the report.)

Is the poop or raised quarter deck connected with the bridge? _____)
Has the poop or raised quarter deck an efficient steel bulkhead at the fore end? _____)
Give particulars of the means of closing the openings in this bulkhead (Rules 43 and 44) _____)
Has the bridge an efficient steel bulkhead at the fore end? _____)
Give particulars of the means of closing the openings in this bulkhead _____)
Has the bridge an efficient steel bulkhead at the after end? _____) **100% Erections**
Give particulars of the means of closing the openings in this bulkhead _____)
Has the forecastle an efficient steel bulkhead at the after end? _____)
Give particulars of the means of closing the openings in this bulkhead _____)
Are the engine and boiler openings covered by a bridge, poop, raised quarter-deck, or enclosed by a strong steel deckhouse? **Yes**
If the openings are not so protected, are the exposed parts of the casing efficiently constructed? **-**
Give thickness of plating, scantlings and spacing of stiffeners _____ **Yes**
Are Rules Nos. 19, 20, 21 and 22 complied with (where applicable)? _____ **Yes**

Particulars of bulkheads of erections:

	Poop or Raised Quarter-Deck Bulkhead	Bridge front bulkhead	Bridge after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating				
Scantlings of stiffeners				
Spacing of stiffeners, and if bracketed	/	/	/	/
Height of sills of openings above deck				

Particulars of weather deck hatchways.

(In case of complete superstructure vessels having tonnage openings, give, in addition,

Particulars of ~~weather~~ deck hatchways.

(In case of complete superstructure vessels having tonnage openings, give, in addition, particulars of 2nd deck hatchways, and also of those in bridge spaces closed by Class 2 appliances, or on open bridges.)

Position and Size.	No. 1 15' x 14'		No. 2 22'6" x 18'		Nos. 5 & 6 14'3" x 17'		No. 7 20' x 17'		No. 10 9'8" x 9'	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK			9"	9"	9"	9"	9"	9"	9"	9"
COAMING Thickness { Sides.....	TRUNKED		7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"
{ Ends.....			"	"	"	"	"	"	"	"
SHIFTING BEAMS OR WEB PLATES. { Number.....	To		4		Nos. 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		same as		1	
{ Section and Scantlings.....			16x8x58"	16x8"	same as		shelter		16x8x58"	
{ Material.....	SHELTER		Steel	Steel	Shelter		dk.		Steel	
* FORE AND AFTERS. { Number.....	DECK				Same		same as			
{ Section and Scantlings.....			None	None	as		shelter		None	
{ Material.....					Shelter		deck			
HATCHES Thickness	2 5/8		2 5/8		2 5/8		2 5/8		2 5/8	
Remarks			Two tarpaulins on each hatch							

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

Length of bulwarks in wells—forward: / feet; aft: / feet.

Area of freeing ports required by regulations (Rules 30 and 100) forward: _____ sq. ft.; aft: _____ sq. ft.
No. Ft. x Ft.

Particulars of freeing ports fitted { forward } Open rails = _____ sq. ft.
on each side of vessel { well }
 { after } Open rails = _____ sq. ft.
 { well }

Are Rules 23 and 24 complied with as far as practicable? **Yes**

Are air pipes to tanks in accordance with Rule 25? **Yes**

Are all scuppers and sanitary discharge pipes in accordance with Rule 27? **Yes**

In oil tankers, what is the extent of the fore and aft gangway? /

Are the crew berthed in the forecastle? (Rule 96) /

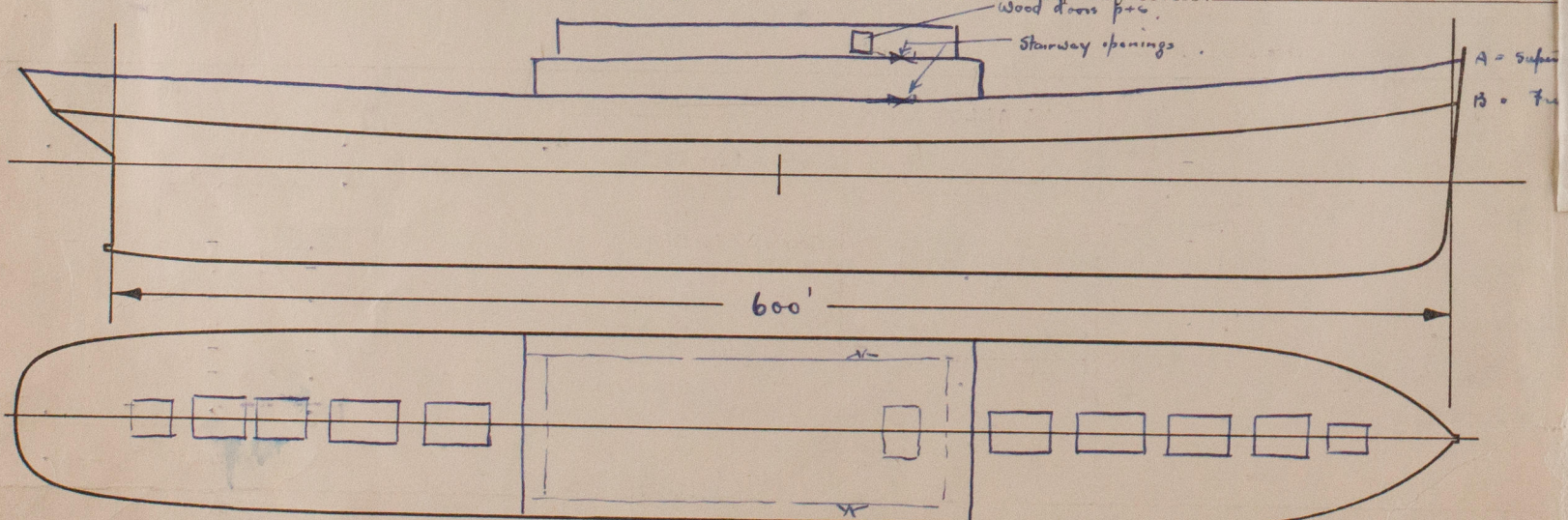
Is the gangway strong and efficiently braced fore and aft? /

State spacing of supports / feet.

In oil tankers, are the bulwarks open for at least half the length of the exposed portion of the weather deck? (Rule 100). **Yes**

Are Rules Nos. 95, 97, 98 and 99 complied with as far as practicable? **Yes**

If the vessel has a complete superstructure deck with a tonnage opening, is the latter fitted with efficient temporary covers?



Indicate thickness and extent of any deck covering, and extent of erections, with dimensions, showing overhang (if any).
Indicate position of scuppers from tonnage-exempted spaces above freeboard deck.

Sister vessels: "PRESIDENT JOHNSON"

Fee: \$13000

Expenses (if any)

M. J. Kennedy
Surveyor to Lloyd's Register of Shipping

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Foundation

TELEGRAMS: NYMDIBLE, N



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