

# Lloyd's Register of Shipping

## SURVEYS FOR FREEBOARD - STEAMERS

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

37303.

New York Office Index No. ....  
 Port of Survey... Mobile, Ala. and Norfolk, Va.  
 Date of Survey... Dec. 19, 2-April 26, 27, 1943  
 Name of Surveyor... T. G. Dodd and R. G. Kennedy

S.S. <u>"POLONAISE"</u> <u>ex "RAPALLO"</u>	Port of Registry and Nationality. <u>Panama Panamanian</u>	Official Number. <u>5742</u>	Gross Tonnage. <u>5742</u>	Date of Build. <u>1922</u>	Particulars of Classification. <u>100A1 "Carrying Petroleum in Bulk"</u>
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Owner..... Builder..... Hull No.....

Moulded dimensions 378.5 × 52.0 × 30.25 (85% = 25.71)

Moulded displacement at a moulded draught of 85 per cent. of moulded depth .....

Coefficient of fineness for use with tables ..... .74 estimated.

DEPTH FOR FREEBOARD.	CORRECTION FOR DEPTH.	CAMBER
Moulded depth ... .. <u>30.25</u>	(a) When D is greater than $\frac{L}{15}$ ✓	Standard $\frac{52 \times 12}{50} = \dots$ <u>12.48</u>
Stringer plate ... .. <u>.04</u>	$(D - \frac{L}{15}) \times R = (30.25 - 25.71) \times 2.911 = \dots$ <u>14.74</u>	Ship ... .. <u>13"</u>
Sheathing in wells } $T(\frac{L-S}{L}) =$ ... ..	(b) When D is less than $\frac{L}{15}$ (if allowed) ✓	Difference ... .. <u>.52</u>
Depth D = ... .. <u>30.29</u>	$(\frac{L}{15} - D) \times R = \dots$ ... ..	Restricted to ... ..
	If restricted by height of superstructures ... ..	Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = \dots$ <u>.52 x .29 = 14.03</u>

### SUPERSTRUCTURES

	Mean Covered Length S.	Effective Length S <sub>1</sub> (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed ... ..					
" overhang ... ..					
R.Q.D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed ... ..	<u>237.00</u>	<u>237.00</u>	<u>7.50</u>	-	<u>237.00</u>
" overhang aft ... ..					
" overhang forward ... ..					
F'cle enclosed ... ..	<u>36.50</u>	<u>36.50</u>	"	-	<u>36.50</u>
" overhang ... ..					
Trunks forward ... ..	<u>76.00</u>	<u>29.22</u>	"	-	<u>29.22</u>
" aft ... ..					
Tonnage opening ... ..	<u>273.50</u>				

Total = 502.72

Length of ship (L) = 578.50

% Covered ... .. = 86.90 79.98

Corresponding %, corrected for absence of forecastle if required } A = 40.56 ✓

Correction for Bridge less than 2 if required } B = 75.30

Allowance ... .. = .755

Correction for Bridge less than 2 if required } = -30.54

### SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	<u>7 3.75</u>	<u>4 7.85</u>	<u>7 3.75</u>	1	<u>7 3.75</u>
2	<u>3 0.50</u>		<u>3 0.50</u>	4	<u>1 2 2.00</u>
3	<u>6.50</u>		<u>6.50</u>	2	<u>1 3.00</u>
4				4	
5	<u>1 3.00</u>		<u>1 3.00</u>	2	<u>2 6.00</u>
6	<u>4 9.50</u>		<u>4 9.50</u>	4	<u>1 9 8.00</u>
F.P. 7	<u>1 0 8.00</u>	<u>9 5.70</u>	<u>1 0 8.00</u>	1	<u>1 0 8.00</u>

If excess sheer forward and deficient sheer aft:—

Actual sheer aft =           
 Standard sheer aft =          } **Excess** ✓

Actual sheer forward =           
 Standard sheer forward =         

Length of enclosed superstructure L

Forward of amidships =           
 Aft of amidships =          } **Tanker** ✓

Mean effective sheer ... .. = 30.04

Standard sheer .05 L + 5 = 23.92

Difference (Df) ... .. = 6.12

Allowance =  $Df \times (.75 - \frac{S}{2L}) = 6.12 \times .2887 = \dots$  -1.76

If limited on account of amidship superstructure ... .. = -2.38

If limited on account of excess sheer (1½ in. per 100 ft.) ... .. =

DRAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required)	Tanker
Moulded Depth D = <u>30'-3"</u>	Displacement =	Corrected for Coefficient $\frac{1.42}{1.36} = \dots$ <u>1.36</u>	<u>57.57</u> ✓
Stringer Plate = <u>30'-3 1/8"</u>	Tons per inch =	Correction for Depth ... .. <u>14.74</u>	<u>60.09</u> ✓
Freeboard = <u>3'-6 1/8"</u>		Superstructures ... .. <u>30.54</u>	
Moulded draught = <u>26'-9 1/2"</u>		Sheer ... .. <u>2.38</u>	
Addition for keel below base line = <u>2"</u>		Camber ... .. <u>.03</u>	
Extreme draught = <u>26'-11 1/2"</u>	40 × <u>6 3/8"</u>	Thickness of deck ... ..	
		Scantlings, etc ... ..	
		Summer Freeboard = <u>42.50</u>	
			<u>41.91</u>

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Upper Deck:—			
Tropical Fresh Water Line (above center of Disc)	<u>15 1/2"</u>	<u>342</u>	<u>2079</u> <u>3'-6"</u>
Fresh Water Line " " "	<u>6 1/2"</u>	<u>171</u>	<u>2737</u> <u>2'-4 1/2"</u>
Tropical Line " " "	<u>6 1/2"</u>	<u>171</u>	<u>909</u> <u>2'-11 1/4"</u>
Winter Line (below " " )	<u>6 1/2"</u>	<u>171</u>	<u>908</u> <u>2'-11 1/4"</u>
Winter North Atlantic Line " " "	<u>10 1/2"</u>	<u>267</u>	<u>1250</u> <u>4'-0 3/4"</u>
			<u>1346</u> <u>2'-11 1/4"</u>

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? **Yes** ✓  
 Give particulars of the means of closing the openings in this bulkhead **No openings** ✓  
 Has the forecastle an efficient steel bulkhead at the after end? **Yes** ✓  
 Give particulars of the means of closing the openings in this bulkhead **One Hinged Steel Door** ✓  
 Are the engine and boiler openings covered by a bridge, poop, raised quarter-deck, or enclosed by a strong steel deckhouse? **Deckhouse on Poop** ✓  
 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 \_\_\_\_\_  
 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	-	3/8 ✓	-	3/8 ✓
Scantlings of stiffeners	-	9 x 3 x 1/2" Channel ✓	-	6 x 3 x 3/8 L ✓
Spacing of stiffeners, and if bracketed	-	27"-28" Yes ✓	-	30" -42" Yes ✓
Height of sills of openings above deck	-	-	-	18" ✓

Particulars of weather deck hatchways.

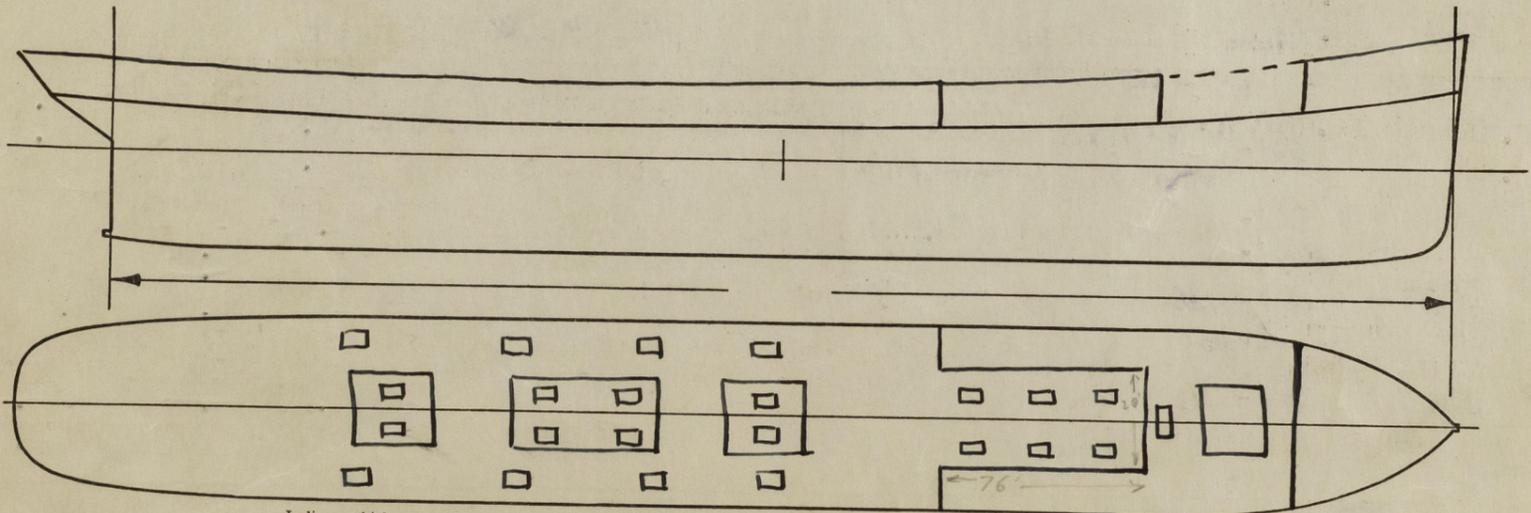
(In case of complete superstructure vessels having tonnage openings, give, in addition, particulars of 2nd deck hatchways, and also of those in bridge spaces closed by Class 2 appliances or in open bridges).

Position and Size.	In Forewell		6 on Trunk		18 on Bridge Deck					
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	2'-6"		9"		4'-3"					
Thickness {	Sides.....	3/8	3/8		3/8					
	Ends.....	"	"	"						
SHIFTING BEAMS OR WEB PLATES.	Number.....	-	-		-					
	Section and Scantlings.....	-	-		-					
	Material.....	-	-		-					
* FORE AND AFTERS.	Number.....	-	-		-					
	Section and Scantlings.....	-	-		-					
	Material.....	-	-		-					
HATCHES Thickness	Steel 3/8"		Steel 3/8"		Steel 3/8"					
Remarks	Reinforced									

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

Are Rules 12, 13, 14, 15, 16, 17, 18 complied with as far as practicable? **Yes** ✓  
 Are hatchway coamings stiffened in accordance with Rule 9? **Yes** ✓  
 Length of bulwarks in wells—forward: \_\_\_\_\_ feet; aft: \_\_\_\_\_ feet.  
 Area of freeing ports required by regulations (Rules 30 and 100) forward: **150** sq. ft.; aft: **OPEN RAILS** sq. ft.  
 $11.05 \times 2.5 \times 2.08 = 120$   
 $4.03 \times 1.50 = 18 = 138$  sq. ft. **accept on account excess sheer** ✓  
 Particulars of freeing ports fitted { forward well } **Open rails on bridge deck** ✓  
 on each side of vessel { after well } \_\_\_\_\_ sq. ft.  
 Are Rules 23 and 24 complied with as far as practicable? **Yes** ✓  
 Are air pipes to tanks in accordance with Rule 25? **"** ✓  
 Are all scuppers and sanitary discharge pipes in accordance with Rule 27? **Trunk to Fore B.H. to P.H.** ✓  
 In oil tankers, what is the extent of the fore and aft gangway? **Yes** ✓  
 Is the gangway strong and efficiently braced fore and aft? **Yes** ✓  
 Are the crew berthed in the forecastle? (Rule 96) **No** ✓  
 State spacing of supports **15** feet.  
 In oil tankers, are the bulwarks open for at least half the length of the exposed portion of the weather deck? (Rule 100) **See above** ✓  
 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: \_\_\_\_\_ ✓

Fee: **\$80.00** Expenses (if any) **\$20**