

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD - STEAMERS

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

New York Office Index No.
Port of Survey.....Newport News, Va.
Date of Survey.....May 26, 1948. &
subsequent dates;
Name of Surveyor.....J. G. Buchanan;
John Sim
Particulars of Classification.....R. S. Haagensen.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S. "OAKLEY L. ALEXANDER" EXS. (Ex "LACONIA VICTORY")	Wilmington, Del.	247479	7751	1945	100 A-1 Class contemplated.
Number in Register Book.....	U.S.A.				
Owner...Pocahontas Steamship Co.	Builder...Bethlehem Fairfield Shipyard.				Hull No...2457.
Moulded dimensions	437.69 × 62.0 × 38.0	(85% =)			
Moulded displacement at a moulded draught of 85 per cent. of moulded depth	17230 tons.				
Coefficient of fineness for use with tables	.698				

DEPTH FOR FREEBOARD.		CORRECTION FOR DEPTH.		CAMBER
Moulded depth	38.00	(a) When D is greater than $\frac{L}{15}$		Standard $\frac{62 \times 12}{50} = 14.88$...
Stringer plate .94" & doubler 1.25	1.00 2.19	$(D - \frac{L}{15}) \times R = (38.16 - 24.18) 3.00$	26.94	Ship (equivalent) ... 5.85 ...
Sheating in wells } $T(\frac{L-S}{L}) =$		(b) When D is less than $\frac{L}{15}$ (if allowed)		Difference 9.03 ...
Depth $D =$	38.16	$(\frac{L}{15} - D) \times R =$		Restricted to
		If restricted by height of superstructures		Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = +1.81$

SUPERSTRUCTURES

	Mean Covered Length S.	Effective Length S ₁ (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed	37.00	87.00		9.0'	87.00
" overhang				3.0'	
Trunks forward } NOT EFFICIENT	102.00			5.0'	
" aft }	121.50				
Tonnage opening					

Total =	87.00	87.00	87.00
Length of ship (L) =	437.69	437.69	437.69
% Covered	19.88	19.88	19.88
Corresponding %, corrected for absence of forecastle if required } A =	9.94	B =	Correction for Bridge less than 2 L if required }
Allowance	9.94	× 42.00	= -4.17

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	66.38	53.77	53.77	1	53.77
2	32.25	23.93	23.93	4	95.72
3	1.25	5.92	5.92	2	11.84
4	-	-	-	4	-
5	-	11.84	11.84	2	-
6	20.06	46.85	20.54	4	82.16
F.P. 7	48.01	107.54	66.00	1	66.00

Mean effective sheer	17.19
Standard sheer .05 L + 5 =	26.88
Difference (Df)	9.69
Allowance = $Df \times (.75 - \frac{S}{L}) =$	4.69 (75 - .099)
If limited on account of amidship superstructure	-
If limited on account of excess sheer (1½ in. per 100 ft.)	-

If excess sheer forward and deficient sheer aft:—

Actual sheer aft = EXCESS

Actual sheer forward = DEFICIENT.

Length of enclosed superstructure L

Forward of amidships =

Aft of amidships =

DRAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required)
Moulded Depth $D =$	38'-0"	83.28
Stringer Plate = .94" } 2.19" (or Wood Deck) 1.25 } Doubler & 1.25 }	Displacement = 15225	Corrected for Coefficient $\frac{688 + .68}{1.36} = \frac{1.38}{1.36} =$
Freeboard	Tons per inch = 51.25	84.50
Moulded draught	15225 = 7½"	
Addition for keel below base line	40 × 51.25	
Extreme draught		

Top of doubler 1¼" above.

SUMMER FREEBOARD	amidships from Centre of Disc to top of Deck Line, Wood, Steel, UPPER Deck:—
Tropical Fresh Water Line (above center of Disc)	14½"
Fresh Water Line	7½"
Tropical Line	7"
Winter Line (below ")	7"
Winter North Atlantic Line	"

Tropical Fresh Water Freeboard	8'-5¾"
Fresh Water	9'-0¾"
Tropical	9'-1¼"
Winter	10'-3¼"
Winter North Atlantic	"

9'-8¼"
8'-5¾"
9'-0¾"
9'-1¼"
10'-3¼"

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Foundation

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? None }
Has the poop or raised quarter deck an efficient steel bulkhead at the fore end? None } Ship not fitted with poop or bridge.
Give particulars of the means of closing the openings in this bulkhead (Rules 43 and 44) None }
Has the bridge an efficient steel bulkhead at the fore end? Yes }
Give particulars of the means of closing the openings in this bulkhead 18" dia. ports with hinged lights secured by wing nuts.
Has the bridge an efficient steel bulkhead at the after end? Yes. }
Give particulars of the means of closing the openings in this bulkhead W.T. doors secured by dogs and having 18" sills.
Has the forecastle an efficient steel bulkhead at the after end? Yes. }
Give particulars of the means of closing the openings in this bulkhead Steel doors secured by bolts and dogs.
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 plating 14.02# Stiffeners 4" x 3" x 7.2# inverted L spaced 36" apart.
Are Rules Nos. 19, 20, 21 and 22 complied with (where applicable)? -

Particulars of bulkheads of erections:

	Poop or Raised Quarter-Deck Bulkhead	deckhouse Bridge/ front bulkhead	deckhouse, Bridge/ after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating	<u>None</u>	<u>19.1#</u>	<u>14.02#</u>	<u>14.02#</u>
Scantlings of stiffeners	<u>"</u>	<u>8" x 3" x 13.7#</u>	<u>6" x 2 1/2" x 12#</u>	<u>4" x 3" x 7.2# inv.L</u>
Spacing of stiffeners, and if bracketed	<u>"</u>	<u>30" Max.</u>	<u>36"</u>	<u>36"</u>
Height of sills of openings above deck	<u>"</u>	<u>-</u>	<u>18"</u>	<u>-</u>

Particulars of weather deck hatchways.

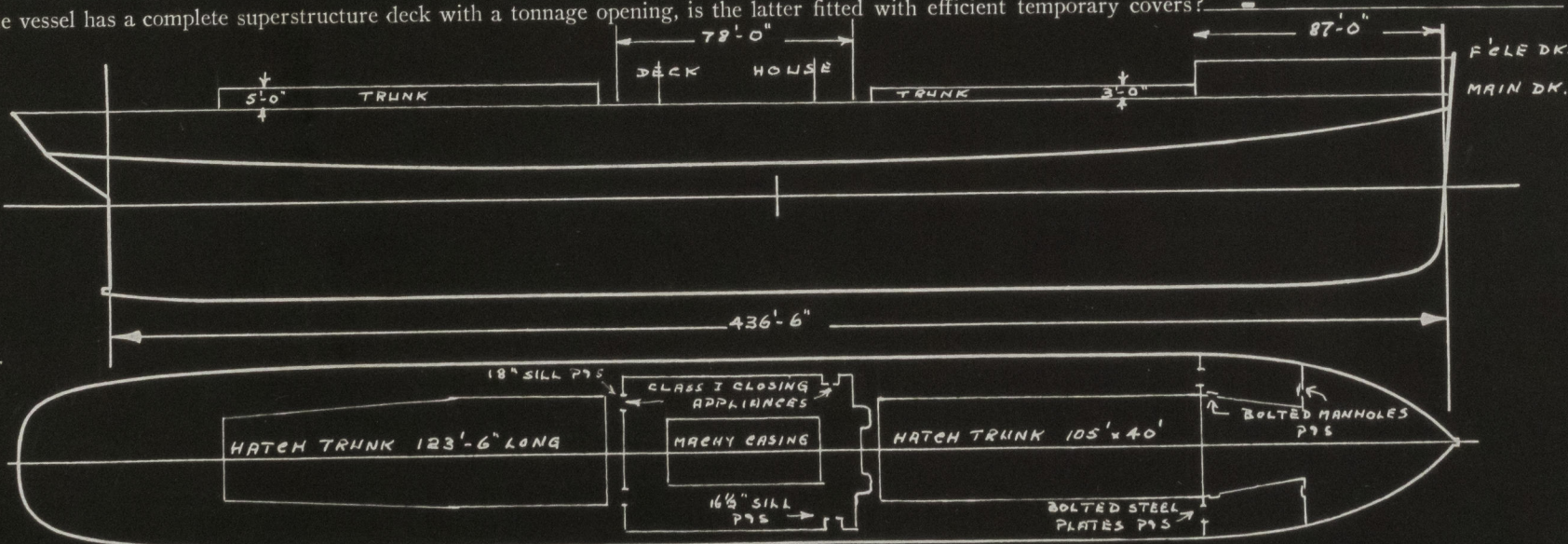
(In case of complete superstructure vessels having tonnage openings, give, in addition, particulars of 2nd deck hatchways, and also of those in bridge spaces closed by Class 2 appliances, or in open bridges).

Position and Size.		Fore Deck		Main Deck		No. 9, 9, 10-16' x 40'		No. 11, 12		No. 13-12'-6" long.	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	<u>4'-0"</u>		<u>4'-0"</u>		<u>4'-0"</u>		<u>6'-0"</u>		<u>6'-0"</u>	
	Thickness { Sides.....					<u>20.4# Plate</u>					
	Ends.....					<u>20.4# Plate</u>					
SHIFTING BEAMS OR WEB PLATES.	Number.....					<u>None</u>					
	Section and Scantlings.....										
	Material.....										
* FORE AND AFTERS.	Number.....					<u>None</u>					
	Section and Scantlings.....										
	Material.....										
HATCHES Thickness						<u>17.65# Plate</u>					
Remarks		<u>W.T. hinged steel hatch covers secured by dogs & wing nuts.</u>									

* 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: 108 feet; aft: 129 feet.
Area of freeing ports required by regulations (Rules 30 and 100) forward: _____ sq. ft.; aft: _____ sq. ft. freeing port area required
Particulars of freeing ports fitted on each side of vessel { forward well { 69 ft. x 7 ins. 77.25 sq. ft. CONSIDER 20% area of unpierced bulwark. (For Special Service) PART 4A.
after well { 87.5 ft. x 7 ins. 98.6 sq. ft. 20% area of unpierced bulwark. (For Special Service) PART 4A.
aft well { 95 ft. x 6 ins. 577.5 sq. ft. 20% area of unpierced bulwark. (For Special Service) PART 4A.
TOTAL OPENINGS (FREEING PORTS) FITTED 208.6 sq. ft.
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.
PERMANENT LADDERS FROM TRUNK TO FORECASTLE AND MIDSHIP DECKHOUSE
Is the gangway strong and efficiently braced fore and aft? On hatch covers
State spacing of supports _____ feet. _____
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: "VICTORY" Type vessels built for U.S. Maritime Commission.

Fee: \$100.00 Expenses (if any) \$50.00

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