

26038 17 JAN 1936

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
 Date of Survey
 Name of Surveyor

Ship's Name. IG GULF	Port of Registry and Nationality. BOSTON U.S.A.	Official Number. 216767	Gross Tonnage. 5438	Date of Build. 1918-8	Particulars of Classification. +100 A1
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Builder.. **New York, S. B. Corp.**
 Moulded dimensions **377.33** × **55** × **34.42** (85% = **29.26**)
 Moulded displacement at a moulded draught of 85 per cent. of moulded depth..... **13320 tons**
 Coefficient of fineness for use with tables..... **.768**
 Hull No. **192**

CORRECTION FOR DEPTH.	CORRECTION FOR DEPTH.		CAMBER
	(a) When D is greater than $\frac{L}{15}$	(b) When D is less than $\frac{L}{15}$ (if allowed).	
Depth D = 34.42	$(D - \frac{L}{15}) \times R = (34.42 - 25.15) \times 2.903 = 9.33 \times 2.903 = 27.08$	$(\frac{L}{15} - D) \times R = \dots$	Standard $\frac{55 \times 12}{50} = 13.20$ Ship 13.75 Difference .55 Restricted to .55 Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S_1}{L}) = \frac{.55}{4} \times .853 = .117$

SUPERSTRUCTURES.

Mean Covered Length S	Effective Length S ₁ (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
2 6.50	2 6.50	8 ft.	-	2 6.50
6 7.50	6 7.50	8 ft.	-	6 7.50
8.00	6.00			6.00
3 1.00	3 1.00	8 ft.	-	3 1.00
TOTAL = 133	131			131

Length of ship (L) = **377.73**
 % Covered... = **35.25**
 %, corrected for castle if required } **A = 19.0035**
 Allowance ... = **40.49**
 Correction for Bridge less than $\frac{1}{2}L$ if required } **B = 23.0035**
 $.22896 \times 23.0035 = 5.27$
22.896
- 9.27

SHEER.

Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
1 6.7 5	4 7.7 5	1 6.7 5	1	1 6.7 5
1 1.7 0	2 1.0 0	1 1.7 0	4	6.8 0
4 0	5.2 5	4 0	2	8.0
5.8 5	1 0.5 0	5.8 5	4	23.6 0
2 3.4 0	4 2.0 0	2 3.4 0	2	6.8 0
8 1.0 0	9 5.4 6	8 1.0 0	4	3.6 0
			1	8 1.0 0

If excess sheer forward and deficient sheer aft:-

$\frac{\text{Actual sheer aft}}{\text{Standard sheer aft}} =$
 $\frac{\text{Actual sheer forward}}{\text{Standard sheer forward}} =$

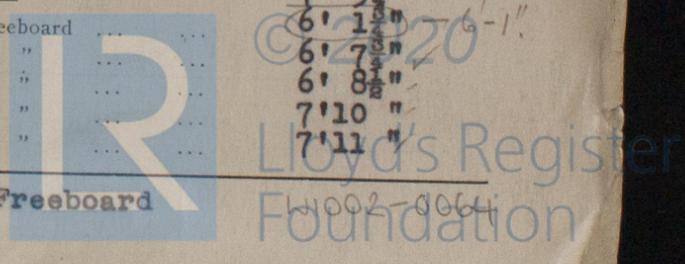
Length of enclosed superstructure $\frac{73.5}{377.33} = 19.48\%$

sheer ... **18)** $\frac{210.65}{11.70} = 18.00$
 $05 L + 5 = 23.87$
 $\times (\frac{S}{2L} - .75) = 12.17 \times (.75 - .176) = 6.99$
 count of amidship superstructure ...
 count of excess sheer (1 1/2 in. per 100 ft.) ...

DRAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required)	
34' 5"	Displacement = 12370	Corrected for Coefficient $\frac{768 + .68}{1.36} = 1.448$	64.60
34' 5 1/2"	Tons per inch = 41.8	Correction for Depth 27.08	68.78
7' 3 1/4"	12370	" Superstructures 9.27	
27' 2 1/2"	40 × 41.8 = 7.39	" Sheer 6.99	
base line 2 1/2"	say 7 1/2"	" Camber .09	
27' 5"		" Thickness of deck 5.28	
		" Scantlings, etc. 34.07	+ 18.44
			Summer Freeboard = 87.22

FREEBOARD amidships from Centre of Disc to top of Deck Line	Deck:—
Tropical Fresh Water Line (above center of Disc) 14 1/2"	Wood, Steel
Fresh Water Line " " 7 1/2"	Tropical Fresh Water Freeboard
Tropical Line " " 6 1/2"	Fresh Water
Winter Line (below " ") 6 1/2"	Tropical
Winter North Atlantic Line " " 7 1/2"	Winter
	Winter North Atlantic

so that vessel's freeboard will not be less than Tanker Freeboard



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? No
 Has the poop or raised quarter deck an efficient steel bulkhead at the fore end? Yes
 Give particulars of the means of closing the openings in this bulkhead (Rules 43 and 44) Hinged Steel W.T. Doors
 Has the bridge an efficient steel bulkhead at the fore end? Yes
 Give particulars of the means of closing the openings in this bulkhead Hinged Steel W.T. Doors (two)
 Has the bridge an efficient steel bulkhead at the after end? Yes
 Give particulars of the means of closing the openings in this bulkhead Hinged Steel W.T. Doors (three)
 Has the forecastle an efficient steel bulkhead at the after end? Yes
 Give particulars of the means of closing the openings in this bulkhead Hinged Steel W.T. Doors (two)
 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. -
 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
Thickness of bulkhead plating	3/8"	7/16"	3/8"
Scantlings of stiffeners	10"x3 1/2"x3/8" Ls	7"x3 1/2"x7/16" Ls	7"x3 1/2"x7/16" Ls
Spacing of stiffeners, and if bracketed	33" T & B	25 1/2" (ang.) T & B	28" Top
Height of sills of openings above deck	14" above hatch trunk	24 1/2"	18"

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

Position and Size.	No. 1		No. 2 to 9		No. 10			
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Item.	22'1"x13'8 1/2"x28'3 1/2"		15'9"x28'3 1/2"		13'7"x25'2 1/2"x28'3 1/2"			
COAMING. Height above top of DECK	36"		36"		36"			
	Sides..... 9/16		9/16		9/16			
	Ends..... 9/16		9/16		9/16			
SHIFTING BEAMS OR WEB PLATES.	Number.....							
	Section and Scantlings.....							
	Material.....							
* FORE AND AFTERS.	Number.....							
	Section and Scantlings.....							
	Material.....							
HATCHES Thickness	All Steel Hatch Covers 7/16" plate stiffened by channels Ls 12" x 3"							
Remarks								

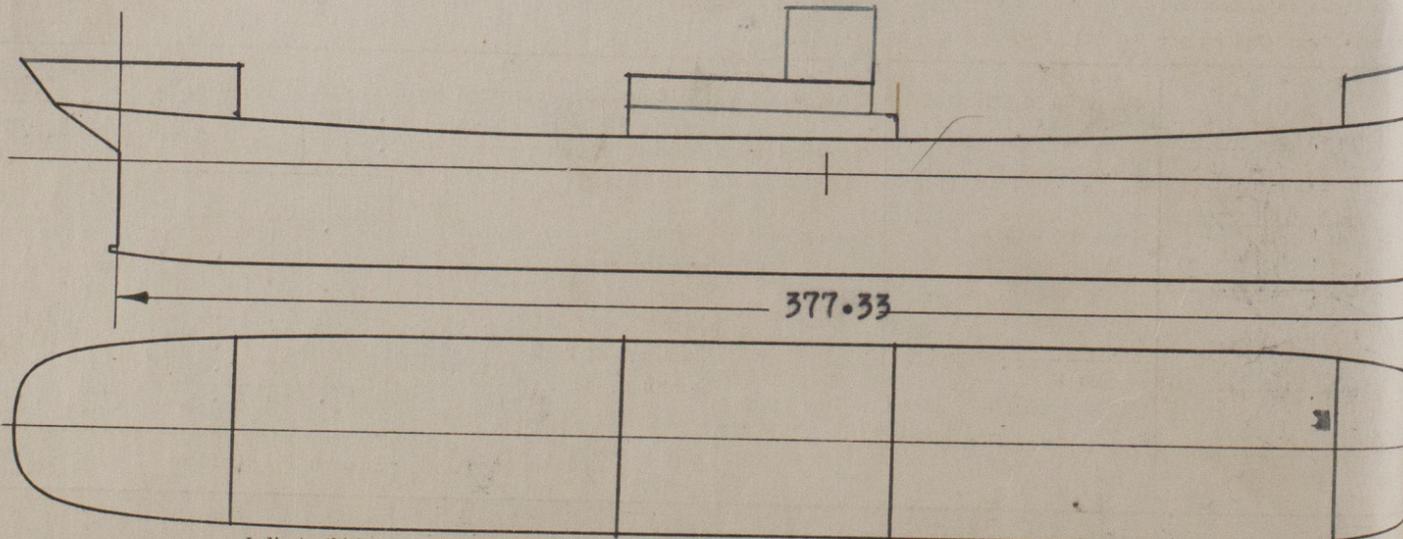
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

Are Rules 12, 13, 14, 15, 16, 17, 18 complied with as far as practicable? Yes (all steel hatch covers)
 Are hatchway coamings stiffened in accordance with Rule 9? Yes
 Length of bulwarks in wells—forward: 146'6" feet; aft: 105'10" 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 well } _____ sq. ft. 50% Open Rails
 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? Yes
 Are all scuppers and sanitary discharge pipes in accordance with Rule 27? Yes

Special Type
 In special type, what is the extent of the fore and aft gangway? Poop & Bridge
 Is the gangway strong and efficiently braced fore and aft? Yes Are the crew berthed in the forecastle? (Rule 100) _____ 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? -

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) \$2.00

See previous Report and correspondence attached

EEBOARD ami
 Tropical Fro
 Fresh Wate
 Tropical Lin
 Winter Line
 Winter Nort