

Rpt. 11b.

Camden
29355

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS. 4667

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Philadelphia Pa
Date of Survey While Building
Name of Surveyor Wm Booth

New York S. S. Co's No 259.

Ship's Name S.S. "SOLANA"	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build. Building	Particulars of Classification. +100 A1. "Carrying Petroleum in Bulk." (Contemplated)
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	449.5	56.5	31.7 to top of steel floor line	6184.73
Length on LOADLINE.	419.25	Frame Depth 9 1/2 Rule " 6 1/2 2 1/2 x 2 = 5 54 x 2 = 108 - 42 = -54	Ceiling +.20 Sheer +.17	Peak } Incl. Tanks } +64.59 S.B. aft above steel floor line
CORRECTED DIMENSIONS.	419.25	56.08 55.96	32.07 31.73	6249.32

Moulded Depth as measured..... 33'-4" ✓
Addition for Keel below base line for draught record..... 2.3/8 inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	419.25 ✓
Length in Table	400.00 ✓
Difference	19.25 ✓
Correction for 10ft., Table A.	1.66 ✓
Table C.8 ✓
× Difference divided by 10	3.19 ✓ (if required.) 1.54 ✓
If 1/10ths length covered divide by 2	+3 ✓ +1 1/2 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered4098 ✓
Thickness of usual wood deck, less stringer	3 1/2 ✓ - 1 1/2 ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	54-9
Round of Beam	1-1 3/4
Normal round.....	1-1 3/4 ✓
Difference	✓ ÷ 2 =
Proportion of Deck uncovered (Para. 19)	✓

NOTE.— The round of beam should be reported on the full breadth of vessel at the gunwale.

o-efficient of fineness..... .83 ✓
any modification necessary [Para. 4 (a) to (e)]* ✓
o-efficient as corrected82. highest in table ✓

Sheer { Stem..... 90 } 121 ✓ ÷ 2 = 60.5 ✓ Mean 36 (58.18
at { Sternpost ... 31 } 51.92
+17

Sheer at 1/8 of the length from { Stem 71 } 64 ✓ ÷ 2 = 32 ✓ Mean
{ Sternpost 13 } 55 = 58.18

Gradual mean Sheer 58.18 ✓
Standard mean Sheer [Table, Para. 18] 51.92 ✓
Difference..... 6.26 ✓ ÷ 4 = -1 1/2 ✓

§ If limited as Para. 18 (f)

Rise in Sheer { At front of bridge house..... 11 1/2"
from amidships }
[Para. 18 (e)] { At after end of forecastle 63 1/2

Fall in Sheer } ÷ 2 = no fall.
Para. 18 (d) }
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	5-10 1/4 ✓
Correction for Length, if required (Para. 12, 13, and 14)	+ 1 1/2 ✓
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	5-11 3/4 ✓
Difference	9-3 3/4 ✓
Percentage as below.....	3-4 ✓
	25.69% ✓
	10.27 ✓

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections -10 1/4 ✓

	Length.	Length allowed.	Height.
Forecastle.....	34-6 ✓	34.5 ✓	8'-0"
Bridge House	36-4	36.33 ✓	8'-0"
† Raised Qr. Dk.....	✓	✓	✓
Poop.....	101-0	101.00 ✓	8'-0"
Total		171.83 ✓	4098 ✓

Length of Ship
Corresponding percentage (Para. 12, 13, or 14) } 25.69% ✓

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck line, Wood (Iron) Deck:—

Fresh Water Line	above centre of Disc	19.1.21
Indian Summer Line	" " "	
Winter Line	below " "	
Winter North Atlantic Line	" " "	

Freeboard, Table A	9'-2 1/4 ✓
Correction for Sheer	- 1 1/2 ✓
Correction for Length	9-0 3/4 ✓
Allowance for Deck Erections	+ 3 ✓
Correction for Round of Beam.....	9-3 3/4 ✓
Correction for fall in Sheer (if any).....	- 10 1/4 ✓
Correction for Iron Deck (if required)	8-5 1/2 ✓
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓
Winter Freeboard	8'-4" ✓
Summer Freeboard	6" ✓
Indian Summer Freeboard	7-10 ✓
N. A. Winter Freeboard	7-4 ✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood (Iron) deck with side. + 1 3/4 ✓

Winter Freeboard from deck line	8'-5 3/4 ✓
Summer " " " "	7-11 3/4 ✓
Indian Summer " " " "	7-5 3/4 ✓
N. A. Winter " " " "	7-11 1/2 ✓
	7" ✓
	6" ✓

⊙ If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
§ In flush-decked vessels the standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† State dimensions of freeing port area on back of this form.
‡ The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

Do all the Frames extend to the top height in the Poop? Yes Raised Quarter Deck? Bridge House? Yes Forecastle? Yes
 To what height do the Reverse Frames extend? Longitudinal Framing
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? Yes
 Give particulars of the means for closing the openings in Bulkhead Hinged Steel W.J. Doors 5'-0" x 2'-0"
 Is the Poop or Raised Quarter Deck connected with the Bridge House? No Has the Bridge House an efficient Bulkhead at the fore end? Yes
 Give particulars of the means for closing the openings in Bulkhead 2 Hinged Steel W.J. Doors 5'-0" x 2'-0"
 What is the thickness of the Bridge Front plating? 16# and Coaming plate? 18#
 Give scantlings and spacing of the Stiffeners 7 x 3 1/2 x 3 1/2 x 165# Channels 27" & 24"
 Are bracket plates fitted at each end of the Stiffeners? Yes Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? Yes
 Has the Bridge House an efficient Iron Bulkhead at the after end? Yes
 How are the openings closed? altered to solid plates
slighting boards full height in permanent riveted channels
 Is the Forecastle at least as high as the main or top-gallant rail? Yes Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? Yes
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Covered by Casings on Poop Deck.
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed?
 Give thickness of plating; scantlings and spacing of Stiffeners
 What is the height of the exposed Casings? Are suitable means provided for closing all openings in them in bad weather? Yes
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below: Yes

Position and Size.		Cargo Hatch 10' x 15'		Main Oil Hatch 6' x 5'		Wing oil hatches 5'6" x 4'2"				
Item.	Ship.	Rule app'd	Ship.	Rule app'd	Ship.	Rule app'd	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	24" ✓	24"	24" ✓	24"	24" ✓	24"			
	Thickness	Sides	18 lbs ✓	18 lbs	18 lbs ✓	18 lbs	18 lbs ✓	18 lbs		
		Ends	18 lbs ✓	18 lbs	18 lbs ✓	18 lbs	18 lbs ✓	18 lbs		
SHIFTING BEAMS OR WEB PLATES.	Number	Hinged steel plate cover 15.5 lbs		Hinged steel plate cover 12.5" with						
	Section and Scantlings	One transverse stiff		2 stiffeners						
	Material	5 x 3 3/8 x 13.6# T. and		3 x 3 1/2 x 9.1# L's						
* FORE AND AFTERS.	Number	longitud stiffeners								
	Section and Scantlings	7 1/2 x 3 x 18# B.A.								
	Material	24" apart.								
HATCHES	Thickness	Hinged & secured with turnbuckles		Hinged covers secured with turnbuckles						
Remarks										

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

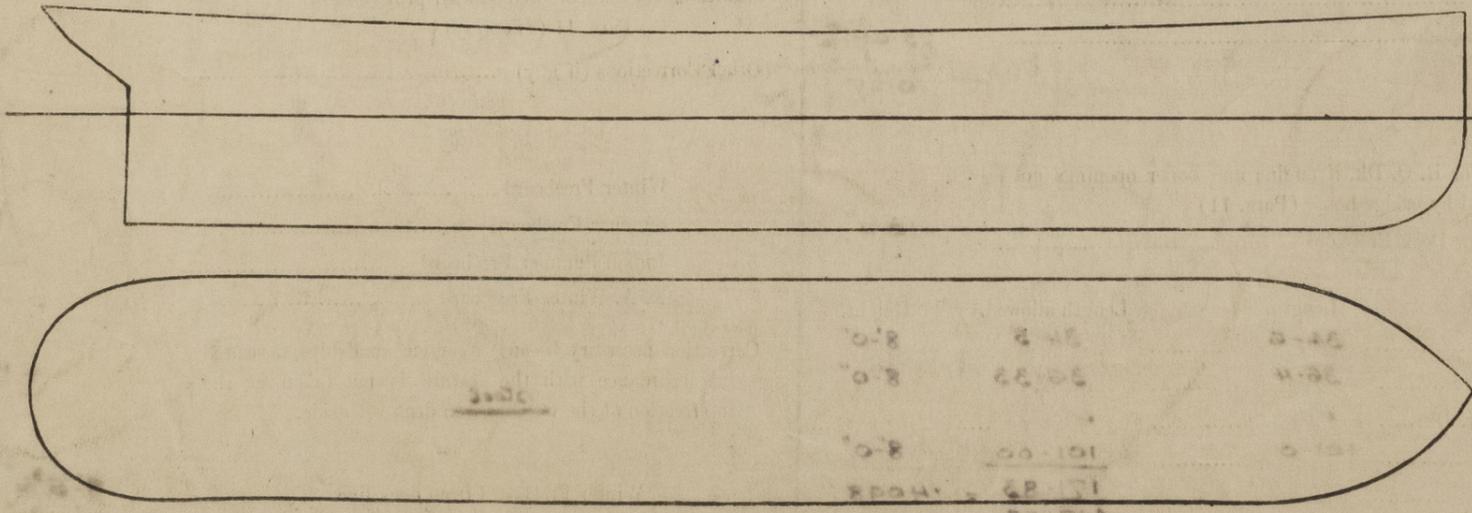
(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

Delete the words } The Crew are, are not, berthed in the bridge house.
 that do not apply } The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.
 Ft. Tenths. Ft. Tenths. No. }
 x x } Freeing Ports = _____ Sq. ft.
 (each side of vessel)
 x x }
 Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel This vessel is a sister vessel to the
SS "Camden" the same Builders N° 258. Phila Fbd Rpt N° 3942.

Copies of the app'd plans are in the London & New York offices, also displacement & other curves. Freelboard Request Attached herewith
Builders New York Shipbuilding Corp.

" Address Camden N.J.

Fee \$ 50.00 charged
 with First Entry

Received by me _____

