

Rpt. 11b.

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS. 4067

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.

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 54 x 2 = 108 42 = -54	Ceiling +.20 Sheer +.17	Peak } Incl. Tanks } +64.59. B.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" ✓

NOTE.— If the  
depth is measured  
when vessel is  
aloft, the details  
of measurement  
should be reported.Addition for Keel below base line  
for draught record..... 2 3/8 inches.

## 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 covered .....	4098 ✓
Thickness of usual wood deck, less stringer .....	3 1/2 ✓ -1 1/2 ✓

## CORRECTION FOR ROUND OF BEAM.

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

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

o-efficient of fineness..... 83 ✓  
any modification necessary }  
[Para. 4 (a) to (e)]\* }  
o-efficient as corrected ..... 82. highest in table ✓

Sheer { Stem..... 90 } 121 ✓ ÷ 2 = 60.5 ✓ Mean 36 58.18 at { Sternpost ... 31 } 51.92 +17	
Sheer at 1/2 of the length from { Stem 71 } 64 ✓ ÷ 2 = 32 ✓ Mean { Sternpost 13 } 55.18	
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 { At after end of forecastle ..... 63 1/2	
[Para. 18 (e)]	

Fall in Sheer { Para. 18 (d) } ÷ 2 = no fall.	
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 ✓ 9-3 3/4 ✓ 3-4 ✓
Difference .....	25.69 % ✓
Percentage as below.....	10.27 ✓

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

	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 1/2 = 4098 ✓	
Length of Ship .....		419.285	

Corresponding percentage }  
(Para. 11, 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	
Indian Summer Line	"	
Winter Line	below "	
Winter North Atlantic Line	"	

† 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.

Winter Freeboard .....	8'-4" ✓
Summer Freeboard .....	7-10 ✓
Indian Summer Freeboard .....	7-4 ✓
N. A. Winter Freeboard .....	✓

Correction necessary because clearside amidships, measured }  
in accordance with the Statute is not taken at the }  
intersection of the wood or iron deck with side.

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

† 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.



