

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 31005
(For London Office only.)

Port of Survey

Date of Survey 12-2-31

Name of Surveyor

Ship's Name. <u>TY OF SAN FRANCISCO.</u>	Port of Registry and Nationality. <u>PANAMA.</u> <u>AMERICAN.</u>	Official Number.	Gross Tonnage.	Date of Build. <u>1924</u>	Particulars of Classification. <u>+100A1 WITH FREEBOARD.</u>
Number in Register Book					

Moulded dimensions 300.00 x 45.75 x 21.50

Moulded displacement at a moulded draught of 85 per cent. of moulded depth NOT YET RECEIVED.

Coefficient of fineness for use with tables

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	21.50
Stringer plate	...	...	...	...	...	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	✓
Depth $D =$	...	...	...	...	...	21.54

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	
$\left(D - \frac{L}{15} \right) \times R =$	$(21.54 - 20.00) \times 2.308 = +3.55$
(b) When D is less than $\frac{L}{15}$ (if allowed).	
$\left(\frac{L}{15} - D \right) \times R =$	...
If restricted by height of superstructures	...

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed	44.50	44.50	8'-6"	✓	44.50
" overhang	2.33	1.17			1.17
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward	248.50	248.50	8'-6"-13'-3"	✓	248.50
F'cle enclosed	.25	.19			.19
" overhang					
Trunks forward					
" aft					
Tonnage opening	4.42	2.82			2.82

TOTAL = 300.00 297.18

Length of ship (L) = 300.00 300.00

% Covered ... = 100.0% 99.06%

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

Allowance ... = 35.33

B = 98.84%
Correction for Bridge less
than 2L if required } C.S.S.
= -34.92

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	35.00 + 24.00	40.00	59.00	1	59.00
2	13.25		26.20	4	104.80
3	1.75		6.55	2	13.10
4	-		-	4	-
5	-		11.11	2	22.22
6	1.0		44.44	4	177.76
F.P. 7	19.0 + 81.0	80.00	100.00	1	100.00

Mean effective sheer ...	...	...	...	...	18) 476.88
Standard sheer .05L + 5 =	...	...	...	...	26.49
Difference (Df)	...	...	...	...	20.00
Allowance = $Df \times \left(.75 - \frac{S}{2L} \right) =$	...	...	...	...	6.49
If limited on account of amidship superstructure	...	...	...	...	-1.62
If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.)	...	...	...	...	✓

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = excess.
Standard sheer aft = excess.

Actual sheer forward = excess.
Standard sheer forward = excess.

Length of enclosed superstructure

Forward of amidships = excess.
Aft of amidships = excess.

ROUND OF BEAM.

Standard	...	...	...	...	10.98
Ship	...	...	...	...	NIL.
Difference	...	...	...	...	10.98
Restricted to	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S_1}{L} \right) =$	...	...	...	...	$10.98 \times .0094 = +1.0$

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient	+ .68 1.36	=	
Correction for Length	...	...	3.55
" Superstructures	...	...	-
" Sheer	...	...	34.92
" Round of beam	...	...	1.62
" Thickness of deck $2\frac{1}{2} \times 1.70$	...	...	.10
" Scantlings, etc.	...	...	2.50
" Statutory deck line	...	...	✓

Summer Freeboard =

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

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

1906 FBDS

$\left\{ \begin{array}{l} S = 1'-7\frac{1}{4}" \\ W = 1'-10\frac{3}{4}" \end{array} \right.$

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