

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 33482
(For London Office only.)

Port of Survey

Date of Survey 8-12-30.

Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>S.S. BIBURY</u>	<u>LONDON</u> <u>BRITISH.</u>			<u>1929</u>	<u>+100.A.1 WITH FREEBOARD.</u>
Number in Register Book					

Moulded dimensions 404.92 x 54.79 x 28.42Moulded displacement at a moulded draught of 85 per cent. of moulded depth 12150.Coefficient of fineness for use with tables 794

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	<u>28.42</u>
Stringer plate	...	...	...	...	...	<u>.04</u>
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	<u>✓</u>
Depth D =	...	...	...	...	...	<u>28.46</u>

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	$\left(D - \frac{L}{15} \right) \times R =$	$(28.46 - 26.99) \times 3.0$	<u>+4.41</u>
(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.

Actual Lt. of super. 9.00
7.50
1.50
= 18" to add ✓

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed
" overhang
R.Q.D. enclosed
" overhang
Bridge enclosed
" overhang aft
" overhang forward
F'cle enclosed
" overhang
Trunks forward
" aft
Tonnage opening

TOTAL = 404.92 402.42Length of ship (L) = 404.92 404.92% Covered ... = 100% 99.39%

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

Allowance ... = 42.00B = 99.25%

Correction for Bridge less than .2L if required } C.S.S.

= -41.69

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P.	<u>13.5+18</u>	<u>50.49</u>	<u>31.50</u>	1	<u>31.50</u>
			<u>17.75</u>	4	<u>71.00</u>
			<u>7.88</u>	2	<u>15.76</u>
			<u>1.97</u>	4	<u>7.88</u>
			<u>1.97</u>	2	<u>3.94</u>
			<u>7.88</u>	2	<u>15.76</u>
			<u>17.75</u>	4	<u>71.00</u>
F.P.	<u>13.5+18</u>	<u>100.98</u>	<u>31.50</u>	1	<u>31.50</u>

If excess sheer forward and deficient sheer aft :—

Actual sheer aft = defectiveStandard sheer aft = defectiveActual sheer forward = defectiveStandard sheer forward = defective

Length of enclosed superstructure L

Forward of amidships = } C.S.S.

Aft of amidships = }

Mean effective sheer	...	...	...	...	...	<u>10.51</u>
Standard sheer .05L + 5 =	...	...	...	...	...	<u>25.25</u>
Difference (Df)	...	...	...	...	...	<u>14.74</u>
Allowance = $Df \times \left(\frac{.75 - S}{2L} \right) =$	...	...	...	...	...	<u>14.75 \times .25</u>
If limited on account of amidship superstructure	...	...	...	...	...	<u>+3.69</u>
If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.)	...	...	...	...	...	...

ROUND OF BEAM.

Standard	...	...	...	...	...	<u>13.15</u>
Ship	...	...	...	...	...	<u>13.50</u>
Difference	...	...	...	...	...	<u>.35</u>
Restricted to	...	...	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S}{L} \right) =$	...	...	...	...	...	<u>\frac{.35}{4} \times .0061 = NIL</u>

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient 794 $\frac{+68}{1.36} =$

	+	-
Correction for Length	<u>4.41</u>	...
" Superstructures	...	<u>41.69</u>
" Sheer	<u>3.69</u>	...
" Round of beam	...	...
" Thickness of deck	...	...
" Scantlings, etc.	...	...
" Statutory deck line	...	...

Summer Freeboard = 45.55FREEBOARD 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	"	"	"	"	"

S = 3.8W = 4.2

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