

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 30016
(For London Office only.)

Port of Survey

Date of Survey

24-11-30

Name of Surveyor

Ship's Name. <u>E. T. BEDFORD.</u>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification. <u>+100 A1 Shelter Deck with freeboard Camping bed in bulk, and fitted for oil fuel.</u>
Number in Register Book					

Moulded dimensions 500 x 67.9 x 38.85

Moulded displacement at a moulded draught of 85 per cent. of moulded depth

Coefficient of fineness for use with tables

.79 assumed

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	<u>38.85</u>
Stringer plate	...	...	...	...	...	<u>.06</u>
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	<u>-</u>
Depth $D =$	...	...	...	...	...	<u>38.91</u>

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	$(D - \frac{L}{15}) \times R =$	$(38.91 - 33.33) \times 3$	<u>+16.74"</u>
(b) When D is less than $\frac{L}{15}$ (if allowed).	$(\frac{L}{15} - D) \times R =$	...	...
If restricted by height of superstructures	...	...	...

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S_1 .	Height.	Correction for Height.	Effective Length.
Poop enclosed
" overhang
R.Q.D. enclosed
" overhang
Bridge enclosed
" overhang aft
" overhang forward
F'cle enclosed
" overhang
Trunks forward
" aft
Tonnage opening

FLUSH DECK.

With 7% fcl.
Fcl. 35.0
% covered = 7.
Cons. 7.49
all 42 x .049 = 2.06
all for shed. 2.27

TOTAL =

Length of ship (L) =

% Covered ... =

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

B =

Correction for Bridge less
than .2L if required }

Allowance ... =

x

=

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	58.0	60	58.0	1	58.00
2	20.75	33.75	20.75	2	83.00
3	5.0		5.00	2	10.00
4	0.0		0	2	0
5	0.0		0	2	0
6	2.0		2.0	2	4.00
F.P. 7	42.5	67.5	42.5	4	170.00
	123.5	120	123.5	1	123.50

If excess sheer forward and deficient sheer aft :—

Actual sheer aft = Deficient

Actual sheer forward = Deficient

Length of enclosed superstructure

L

Forward of amidships =

Aft of amidships =

Mean effective sheer	...	...	...	...	...	24.18	448.50
Standard sheer .05L + 5 =	...	...	...	...	...		18.69
Difference (Df)	...	...	...	...	...		30.00
Allowance = $Df \times \left(\frac{.75 - S}{2L} \right) = 11.31 \times .75$	...	...	...	...	...		11.31
If limited on account of amidship superstructure	...	...	...	...	...		+ 8.48
If limited on account of excess sheer (1½ in. per 100 ft.)	...	...	...	...	...		-

ROUND OF BEAM.

Standard	...	...	...	...	...	16.30
Ship	...	...	...	...	...	15.00
Difference	...	...	...	...	...	1.30
Restricted to	...	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S_1}{L} \right) =$	...	...	...	...	...	+ 0.32

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient .79 $\frac{.68}{1.36} = \frac{1.47}{1.36} =$

	+	-
Correction for Length	16.74	-
" Superstructures	8.48	-
" Sheer	.32	-
" Round of beam		
" Thickness of deck		
" Scantlings, etc.		
" Statutory deck line		

Summer Freeboard =

120.12

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	"	"	"	...	...