

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 25961  
(For London Office only.)

Port of Survey

Date of Survey 20/11/30

Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
B.B. "H.M. Flagler"					+100A1, Substandard
Number in Register Book					

Moulded dimensions 462.75' x 60.0' x 37.17'

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

Coefficient of fineness for use with tables

Not available

.82 assumed

## DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	37.17
Plating in wells	...	...	...	...	.06
Depth D =	...	...	...	...	37.23

## CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	$\frac{L}{15} = 30.85$	
$(D - \frac{L}{15}) \times R =$	$(37.23 - 30.85) \times 3$	+ 19.14
(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 <sub>1</sub> .	Height.	Correction for Height.	Effective Length.
op enclosed	...	...	...	...	...
overhang	...	...	...	...	...
Q.D. enclosed	...	...	...	...	...
overhang	...	...	...	...	...
idge enclosed	...	...	...	...	...
overhang aft	...	...	...	...	...
overhang forward	...	...	...	...	...
le enclosed	...	...	...	...	...
overhang	...	...	...	...	...
unks forward	...	...	...	...	...
aft	...	...	...	...	...
nnage opening	...	...	...	...	...

TOTAL =

Length of ship (L) =

% Covered ... =

responding %, corrected for  
ence of forecastle if required

Allowance ... =

32.39

32.39

32.39

462.75

462.75

462.75

407

7%

A = Tanker

B = 4.9

42

x

4.9

Correction for Bridge less  
than 2L if required

= - 2.06

## SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	29.75	56.27	29.75	1	29.75
2	4.54		4.54	4	18.16
3	1.13		1.13	2	2.26
4			0	4	0
5	4.53		4.53	2	9.06
6	18.17		18.17	4	72.68
F.P. 7	78.0	112.54	78.0	1	78.00

If excess sheer forward and deficient sheer aft :-

Actual sheer aft =

Standard sheer aft =

Actual sheer forward =

Standard sheer forward =

Length of enclosed superstructure

L

Forward of amidships =

Aft of amidships =

Mean effective sheer ...	...	...	...	...	...	11.65
Standard sheer .05L + 5 =	...	...	...	...	...	28.13
Difference (Df)	...	...	...	...	...	16.48
Allowance = Df x (.75 - $\frac{S}{2L}$ ) =	...	...	...	...	...	+ 11.86
Limited on account of amidship superstructure	...	...	...	...	...	
Limited on account of excess sheer (1 1/2 in. per 100 ft.)	...	...	...	...	...	

## ROUND OF BEAM.

Standard	...	...	...	...	144
Up	...	...	...	...	12.0
Difference	...	...	...	...	2.4
Restricted to	...	...	...	...	
Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) =$	...	...	...	...	.60 x .93 + .56

## TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient  $\frac{82 + .68}{1.36} = \frac{1.50}{1.36} =$ 

Correction for Length ...

Superstructures ...

Sheer ...

Round of beam ...

Thickness of deck ...

Scantlings, etc. ...

Statutory deck line ...

78.39

86.426

19.14

11.86

.56

31.56

2.06

+ 29.50

Summer Freeboard = 115.96

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	"	"	"	...	...

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