

Report (Spl).

32242

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD-STEAMERS.

Index No. \_\_\_\_\_  
(For London Office only.)  
Port of Survey \_\_\_\_\_  
Date of Survey 10/10/30  
Name of Surveyor \_\_\_\_\_

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>BADJESTAN</u>	<u>Newcastle</u> <u>Encl.</u>				<u>+100 A1</u>
Number in Register Book					

Moulded dimensions 39'5" x 53'7'5" x 31'5"  
Moulded displacement at a moulded draught of 85 per cent. of moulded depth 1304'5"  
Coefficient of fineness for use with tables 1804

### DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	31'50
Stringer plate	...	...	...	...	...	04
Sheathing in wells	$T \left( \frac{L-S}{L} \right) =$	...	...	...	...	
Depth D =	...	...	...	...	...	31'54

### CORRECTION FOR LENGTH.

(a) When D is greater than  $\frac{L}{15}$  31'54  
26'32  
 $(D - \frac{L}{15}) \times R = \dots \dots 5'21 \times 3'0 \dots = +15'6$   
(b) When D is less than  $\frac{L}{15}$  (if allowed).  
 $(\frac{L}{15} - D) \times R = \dots \dots \dots$   
If restricted by height of superstructures  $\dots \dots \dots$

### SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S <sub>1</sub> .	Height.	Correction for Height.	Effective Length.
Poop enclosed	34'75	34'75	8'0	-	34'75
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	105'00	105'00	8'0	-	105'00
" overhang aft	2'79	1'39			1'39
" overhang forward					
F'cle enclosed	35'25	35'25	8'0	-	35'25
" overhang					
Trunks forward					
" aft					
Tonnage opening					

TOTAL = 177'79 176'39 176'39  
Length of ship (L) = 39'5 39'5 39'5  
% Covered ... = 45'01 45'01 44'66

Corresponding %, corrected for absence of forecastle if required } A = 41'67 }  
B = 31'46 } Correction for Bridge less than 2L if required }  
Allowance ... = 41'67 x 31'46 = -13'11

### SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	79'50	49'5	79'50	1	79'50
2	42'25		42'25	4	169'00
3			18'80	2	37'60
4			4'70	4	18'80
5			7'25	2	29'00
6			29'10	2	58'20
F.P. 7	65'50	99'0	65'50	4	262'00
	111'75		111'75	1	111'75

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 = 15'5L  
Aft of amidships = 11'5L

Mean effective sheer ... = 31'92  
Standard sheer  $0'05L + 5 =$  24'75  
Difference (Df) = 7'17  
Allowance =  $Df \times \left( \frac{75}{2} - \frac{S}{L} \right) = 7'17 \left( \frac{75}{2} - \frac{22'5}{39'5} \right) = 3'76$   
If limited on account of amidship superstructure ... =  
If limited on account of excess sheer ( $1\frac{1}{2}$  in. per 100 ft.) ... =

-3'76

### ROUND OF BEAM.

Standard	...	...	...	...	12'90
Ship	...	...	...	...	15'00
Difference	...	...	...	...	2'10
Restricted to	...	...	...	...	
Allowance = $\frac{\text{Difference}}{4} \times \left( 1 - \frac{S}{L} \right) =$	...	...	...	...	$\frac{2'10}{4} \times \frac{55}{39'5} = -2'9$

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

Corrected for Coefficient  $\frac{1804 + 68}{1'36} =$  69'95

Correction for Length ... 15'63  
Superstructures ... 13'11  
Sheer ... 3'76  
Round of beam ... 2'9  
Thickness of deck ...  
Scantlings, etc. ...  
Statutory deck line ...

+	-
15'63	13'11
-	3'76
-	2'9
15'63	17'16

Summer Freeboard = 74'80

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	" " "	...	...	...