

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 33616  
(For London Office only.)

Port of Survey

Date of Survey 9/1/31

Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>Princess Joan.</u>					<u>100 A1 with freeboard "for Channel &amp; Sound Service, Seattle &amp; Skagway"</u>
Number in Register Book					

Moulded dimensions 352 x 520 x 190 to main deck 27.75 to Superstructure deck  
Moulded displacement at a moulded draught of 85 per cent. of moulded depth  
Coefficient of fineness for use with tables

### DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	19.00
Stringer plate	...	...	...	...	...	.04
Sheathing in wells $T \left( \frac{L-S}{L} \right) =$	...	...	...	...	...	—
Depth D =	...	...	...	...	...	19.04

### CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	
$\left( D - \frac{L}{15} \right) \times R =$	...
(b) When D is less than $\frac{L}{15}$ (if allowed).	
$\left( \frac{L}{15} - D \right) \times R =$	<u>(23.47 - 19.04) x 2.708 = 11.99</u>
If restricted by height of superstructures	...

### SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S <sub>1</sub> .	536 Height. 702	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	...	...			

Sw dke height = 8'-9"  
Standard = 7'-0 1/4"  
1-8 3/4

TOTAL =

Length of ship (L) =

% Covered ... =

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

and

B = 100%

Correction for Bridge less than 2L if required }

C.S.S.

Allowance ... =

38.80

x

1.00

=

38.80

### SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	<u>43+20.75</u>	45.2	45.2	1	45.20
2	28.33	20.09	20.09	4	80.36
3	7.08	5.02	5.02	2	10.04
4	—	—	—	4	—
5	8.30	—	8.30	2	16.60
6	33.22	—	33.22	4	132.88
F.P. 7	<u>54+20.75</u>	90.4	94.75	1	94.75

If excess sheer forward and deficient sheer aft :—

Actual sheer aft = excess  
Standard sheer aft

Actual sheer forward = deficient  
Standard sheer forward

Length of enclosed superstructure L

Forward of amidships =

Aft of amidships =

C.S.S.

To be checked

### ROUND OF BEAM.

Standard	...	...	...	12.48
Ship	...	...	...	6.00
Difference	...	...	...	Deficient 6.48
Restricted to	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left( 1 - \frac{S}{L} \right) =$	...	...	...	<u>1.62(1-1) = Nil</u>

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

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

Correction for Length	...
„ Superstructures	...
„ Sheer	...
„ Round of beam	...
„ Thickness of deck	...
„ Scantlings, etc.	...
„ Statutory deck line	...

+	-
	11.99
	38.80
.65	
4.61	
1.75	
24.95	
105.00	
136.96	50.99

+86.17

Summer Freeboard = 143.25

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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