ort No. 11b (Spl).

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD—STEAMERS.

Index No._____
(For London Office only.)

Port of Survey _____

Date of Survey 8. 5. 31

Name of Surveyor _____

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
s/s Agnes Duncan				1912	+ 100 A1

Number in Register Book _____

Moulded dimensions 306 × 43 × 22.62

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	... ...	22.62
Stringer plate	... ...	.04
Sheathing in wells $T\left(\dfrac{L-S}{L}\right)=$	... ...	
	Depth D = ...	22.66

CORRECTION FOR LENGTH.

(a) When D is greater than $\dfrac{L}{15}$ 2.26

$$\left(D-\frac{L}{15}\right)\times R = (22.66 - 20.40)\,2.354 \qquad + 5.32$$

(b) When D is less than $\dfrac{L}{15}$ (if allowed).

$$\left(\frac{L}{15}-D\right)\times R = \quad ... \quad ... \quad ...$$

If restricted by height of superstructures

RETAIN

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S_1.	Height. 4.747 6.56	Correction for Height.	Effective Length.
Poop enclosed	70.95	70.95	7.46	✓	70.95
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft ...					
" overhang forward ...					
F'cle enclosed... OPEN ...	30.60	30.60	7.46	✓	33.88
" overhang	6.56	3.28			
Trunks forward					
" aft					
Tonnage opening					
TOTAL =	108.11	104.83			104.83
Length of ship (L) =	306	306			306
% Covered ... ... =	35.33	34.26			34.26

Corresponding %, corrected for absence of forecastle if required } A = 18.62   B =

Correction for Bridge less than ·2L if required } No Bridge

Allowance ... = 35.73 × ·1862 = − 6.65

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	48.00	40.60	48.00	1	48.00
2	20.94	18.07	20.94	4	83.76
3	5.23	4.47	5.23	2	10.46
4	—	—	—	4	—
5	10.47	8.93	10.47	2	20.94
6	41.87	36.14	41.87	4	167.48
F.P. 7	96.00	81.20	96.00	1	96.00
				18)	426.64

If excess sheer forward and deficient sheer aft :—

$\dfrac{\text{Actual sheer aft}}{\text{Standard sheer aft}} =$ } excess

$\dfrac{\text{Actual sheer forward}}{\text{Standard sheer forward}} =$ }

Length of enclosed superstructure

L

Forward of amidships = } No Bridge

Aft of amidships = }

Mean effective sheer... ... ... = 23.70

Standard sheer ·05L + 5 = = 20.30

Difference (Df) ... ... = 3.40

Allowance = Df × $\left(·75 - \dfrac{S_1}{2L}\right) = 3.40\,(·75 - ·17)$ ·58 =

If limited on account of amidship superstructure ... ... = Yes — No allowance   NIL

If limited on account of excess sheer (1½ in. per 100 ft.) ... ... = ✓

RETAIN

ROUND OF BEAM.

Standard ... ... 43 × 24	10.32	
Ship	10.50	
Difference		·18
Restricted to		
Allowance = $\dfrac{\text{Difference}}{4}\times\left(1-\dfrac{S_1}{L}\right) = ·045\,(1-·34) = $		− ·03

·08
·03

TABULAR FREEBOARD (corrected for flush deck if required) = 44.90

Corrected for Coefficient ? $\dfrac{+ ·68}{1·36} =$ =

	+	−
Correction for Length	5.32	
" Superstructures		6.65
" Sheer		
" Round of beam		·03
" Thickness of deck ...		
" Scantlings, etc.		
" Statutory deck line		
	5.32	6.68 − 1.36

Summer Freeboard =

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 " " " ... ...

1906 { S 3 - 8¾
{ W 4 - 0

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