

BLOCK COEFFICIENT FOR USE WITH TABLE. 726

DEPTH FOR FREEBOARD.

M.L.D. DEPTH.

STRINGER.

SHEATHING IN WELLS:  $T \left( \frac{L-S}{L} \right) =$

D

# SUPERSTRUCTURES.

	LENGTH	ALLOWED	HEIGHT	CORRECTED FOR HEIGHT	EFFECTIVE LENGTH
POOP ENCLOSED					
" OVERHANG					
R.Q.D. ENCLOSED	43'-8"	43.69	3'-6"	43.69	43.69
" OVERHANG					
BRIDGE ENCLOSED	9'-0"	9.0	7'-0"	9.0	9.00
" OVERHANG AFT.					
" " FORD.					
F.C.L.E. ENCLOSED	15'-8"	15.66	7'-0" }	20.36	20.36
" OVERHANG	7'-3"	4.70			
TRUNKS					

% COVERED = 529' CORRESPONDING % TABLE = 39.63%

CORRECTED FOR LENGTH OF BRIDGE IF REQUIRED =

$$\text{ALLOWANCE} = 16.81' \times .3963'$$

CORRECTION FOR LENGTH.

(A) SHIPS WITHOUT SUPERSTRUCTURES OR WITH DETACHED SUPERSTRUCTURES,  $D > \frac{L}{5}$

$$(D - L/5) \times R = (12.15 - 9.20) \times 1.062$$

(B) SHIPS WITH COMPLETE SUPERSTRUCTURES

$$D > \frac{4}{15}, \quad (D - \frac{4}{15}) \times R =$$

$$D < \frac{L}{15}, \quad \left\{ \begin{array}{l} (\frac{L}{15} - D) \times \frac{2}{3} R \\ \text{IF RESTRICTED BY HEIGHT} \\ \text{OF SUPERSTRUCTURES} \end{array} \right\}$$

ROUND OF BEAM.

STANDARD = 5.82

SHIP = 6.50

DIFFERENCE : 68

$$\text{ALLOWANCE} = \frac{\text{DIFFERENCE}}{4} \times \left(1 - \frac{E}{L}\right) = \frac{.68}{4} \times .45$$

RESTRICTED TO

SHEER.

STATION	ACTUAL SHEER	STANDARD SHEER	ALLOWED SHEER	S. M.	PRODUCTS
A.P. 1	28	23.81	28	1	28.0
2	16	13.1	16	4	64.0
3	7.55		7.55	2	15.1
	2.05		2.05	4	8.2
4	-		-	2	-
5	4.3		4.3	4	17.2
	16.1		16.1	2	32.2
6	34	25.9	34.0	4	136.0
F.P. 7	56	47.62	58.0	1	56.0

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MEAN EFFECTIVE SHEAR = 14.86

STANDARD SHEER = .05 L + 5

DIFFERENCE ( $D_f$ ) = 2.96

$$\text{ALLOWANCE} = D_f \times \left( .75 - \frac{E}{2L} \right) = 2.96 \left( .75 - .264 \right) = 1.44 =$$

IF RESTRICTED ON ACCOUNT OF POSITION OF BRIDGE:

TABLE FREEBOARD =

CORRECTED FOR BLOCK COEFF:  $\times \frac{120 + .88}{1.36}$

### CORRECTION FOR LENGTH

" " SHEER

" " SUPERSTRUCTURES

" " ROUND OF BEAM.

" THICKNESS OF DECK ~~10~~

+	-
3.13	-
-	-
-	6.66
-	.08
-	-

$$\begin{array}{r} 3.13 \\ 6.74 \\ \underline{3.13} \\ 2.61 \end{array}$$

# SUMMER FREEBOARD

# WINTER FREEBOARD

1901 Pops  $\begin{cases} S & 9\frac{3}{4} \\ W & 11\frac{1}{4} \end{cases}$

Dip  $\sum S + \frac{1}{4}$   
 $\sum W + 1\frac{3}{4}$

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$$\begin{array}{r} 12' - 12\frac{1}{2} \\ \underline{\phantom{12} - 12\frac{1}{2}} \\ 12' - 2 \\ \underline{\phantom{12} - 2} \\ 11' - 4 \\ = 11.33 \\ \div 4 = 2.83 \end{array}$$



Terranagh

RETAIN

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