

# Merchant's Register of Shipping. KEYS FOR FREEBOARD.—STEAM SHIPS.

APPLYING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH  
CASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR  
PLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS  
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE

Port of Survey  
Date of Survey 8<sup>th</sup> July 32.  
Name of Surveyor

SHIP'S NAME. SANDHILL  
Port of Registry and Nationality. Newcastle London  
Official Number. 147573  
Gross Tonnage. 505  
Date of Build. 1920  
Particulars of Classification. 100 A1.

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	163.3	25.65	10.8	347.9
Length on LOADLINE.	164-10"	Frame Depth $4\frac{3}{4}$ Rule " 3	Ceiling <u>fitter</u> Sheer <u>+ 4 1/4</u>	Peak Tanks
		-29	10.88 <u>FT.</u>	-6.5 <u>tons</u>
CORRECTED DIMENSIONS	164.83	25.36	11.32	371.4

Co-efficient of fineness.....  
Any modification necessary {  
[Para. 4 (a) to (e)]\*  
Co-efficient as corrected .....

.78  
C.D.B.  
.46

Sheer at Stem..... 51 }  
at Sternpost ... 36 }  $87 \div 2 = 43.5$  ... Mean  
Sheer at  $\frac{1}{2}$  of the length from { Stem  $2\frac{1}{4}$  }  
Sternpost  $22\frac{1}{2}$  }  $46.5 \div 2 = 23.25$  ... Mean  
Gradual mean Sheer .....  $42.27$   $23.25$   
Standard mean Sheer [Table, Para. 18] .....  $26.48$   $15.89$  Correction  
Difference.....  $15.79$   $7.36$   
§ If limited by Para. 18 (f) .....  $3.95$   $-1\frac{3}{4}$  Par 14

Rise in Sheer { At front of bridge house.....  
from amidships {  
[Para. 12 (e)] { At after end of forecastle .....

Fall in Sheer {  
Para. 18 (d) }  $\div 2 =$   
Length uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....  $0.5$   $0.5$   
Correction for Length, if required (Para. 12, 13, and 14) .....  $+ \frac{1}{2}$   
Freeboard by Table A, corrected for sheer and for length if required (Para. 11, 12, 13, and 14) .....  $1.7\frac{3}{4}$   $2.0\frac{3}{4}$   
Difference .....  $1.2\frac{3}{4}$   $1.7\frac{3}{4}$   
Percentage below .....  $40\%$   $32\%$   
Para 11  $-4$   $+ \frac{1}{2}$   $-5\frac{1}{2} = -9" \text{ c. } 60$   $-5.90$   $6.24$   
Para 14  $-1\frac{3}{4}$   $+1$   $-6\frac{1}{4} = -7" \text{ c. } 50$   
For erections covering 558 allow =  $-8\frac{1}{4}$   
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....  $+29$   
Allowance for Deck Erections .....  $-5\frac{1}{2}$   $-6\frac{1}{4}$

	Length.	Length allowed.	Height.
Forecastle.....	22-9"	22-15	7.2
Bridge House .....	12-8"	12-67	7.0
† Raised Qr. Dk.....	57.2	57.17	4.0
Poop.....			
Total .....	$92-7 = .56$	$91.99 = .558$	
Length of Ship .....	164-10"	164-83	
Corresponding percentage { (Para. 11, 12, 13, or 14) }			

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 " " " ...

502 net.  $167.11.46$ .  
Moulded Depth as measured.....  $12' 11"$   
Addition for Keel below base line for draught record.....  $\frac{1}{2}$  inches.

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

## CORRECTION FOR LENGTH.

Length of Ship on Loadline.....  $164.83$   
Length in Table .....  $155.0$   
Difference .....  $9.83$   
Correction for 10ft., Table A. ....  $9$  Table C.  $.5$   
 $\times$  Difference divided by 10 .....  $.89$  (if required.)  $.49$   
If  $\frac{1}{10}$ ths length covered divide by 2  $+1\frac{1}{2}$  Par 11  $+ \frac{1}{2}$  Par 14

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered .....  $.558$   
Thickness of usual wood deck, less stringer .....  $3"$   $-1\frac{3}{4}"$

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....  $25\frac{1}{4}$   
Round of Beam .....  $8"$   
Normal round.....  $6.35$   
Difference .....  $1.65 \div 2 = .82$   
Proportion of Deck uncovered (Para. 19) .....  $.36$   $\times \frac{1}{2}$

NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.

Freeboard, Table A .....  $1-11\frac{3}{4}"$   
Correction for Sheer .....  
Correction for Length .....  $-8\frac{1}{4}"$   
Allowance for Deck Erections .....  $1-3\frac{1}{2}"$   
Correction for Round of Beam.....  $-2"$   
Correction for fall in Sheer (if any).....  
Correction for Steel Deck (if required) .....  $1-1\frac{3}{4}"$   
Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) }  
Other Corrections (if any) .....

Winter Freeboard .....  $1-1\frac{1}{4}"$   
Summer Freeboard .....  $11\frac{3}{4}"$   
Indian Summer Freeboard .....  
N. A. Winter Freeboard .....

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side.  $1\frac{1}{4}"$

Winter Freeboard from deck line .....  
Summer " " " .....  
Indian Summer " " " .....  
N. A. Winter " " " .....

† State dimensions of freeing port area on back of this form.

‡ The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.