

30835  
Rpt. 11b  
No. 235  
P. Clunker  
31055

Preliminary

Index No. 31074  
(For London Office only.)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey  
Date of Survey 20<sup>th</sup> Dec. 1923  
Name of Surveyor

Ship's Name. *Merrow Wood Steamer 1600*  
*S.S. No. 235*  
Number in Register Book  
Port of Registry and Nationality  
Official Number  
Gross Tonnage  
Date of Build  
Particulars of Classification. *+ 100 A. 1. Contemplated*

Registered dimensions from Ship's Register plans.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	235.0	35.66	14.67 <i>To Tank Top</i>	950
Length on LOADLINE.	234.6	<i>Mean</i> Frame Depth $\frac{1}{2}$ Rule " 4 = .58	<i>No</i> Ceiling + .20 Sheer + .48 $\frac{3}{2}$ Tank Top drops 1.04	Peak Tanks <i>Deck floor joined aft + 10 tons</i>
CORRECTED DIMENSIONS.	234.6	35.08	15.39	960

Co-efficient of fineness..... .76  
Any modification necessary }  
[Para. 4 (a) to (e)]\* }  
Co-efficient as corrected ..... .74

Sheer { Stem.....  $\frac{1}{2}$  } 102  $\div$  2 = 51 ...Mean  
at { Sternpost ... 30 }  
Sheer at  $\frac{1}{2}$  of the length from { Stem 39.5 } 56  $\div$  2 = 28.0 ...Mean  
{ Sternpost 16.5 }  
Gradual mean Sheer ..... 50.91 .55 = 50.91  
Standard mean Sheer [Table, Para. 18] ..... 33.46 Correction  
Difference..... 14.45  $\div$  4 = 4.36  
§ If limited as Para. 18 (f) ..... - 4  $\frac{1}{4}$ "

Rise in Sheer { At front of bridge house.....  
from amidships {  
[Para. 18 (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' 9"  
Correction for Length, if required (Para. 12, 13, and 14) .....  
Freeboard by Table A. corrected for sheer, and for length, }  
if required (Para. 12, 13, and 14) } 2' 6  $\frac{1}{2}$ "  
Difference ..... 1' 9  $\frac{1}{2}$ "  
Percentage as below..... 59.95%  
12.89

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } + 1.36  
11.53  
Allowance for Deck Erections ..... - 11  $\frac{1}{2}$ "

	Length.	Length allowed.	Height.
Forecastle.....	27' 6"	27.5	7.0
Bridge House .....			
† Raised Qr. Dk.....	147.0 $\times$ $\frac{3.83}{3.90}$	144.3	3' 10"
Poop.....			
Total .....	174.5	171.8	.733
Length of Ship .....	234.6	234.6	
Corresponding percentage } (Para. 11, 12, 13, or 14) }	59.95%		

**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 " " " ...

Moulded Depth as measured..... 16' 9  $\frac{1}{2}$ "  
Addition for Keel below base line for draught record..... inches.

### CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 234.6  
Length in Table ..... 201.5  
Difference ..... 33.1  
Correction for 10ft., Table A. .... 1.06 Table C.  
 $\times$  Difference divided by 10 ..... 3.509 (if required.)  
If  $\frac{1}{10}$ ths length covered divide by 2 1.754 + 1  $\frac{3}{4}$ "

### CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... 744  
Thickness of usual wood deck, less stringer ..... 3  $\frac{1}{4}$ " - 3  $\frac{1}{4}$ "

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 35.0  
Round of Beam ..... 9' 0"  
Normal round..... 8.75"  
Difference ..... 75  $\div$  2 = 37.5  
Proportion of Deck uncovered (Para. 19) ..... 264 . 100

Freeboard, Table A ..... 2' 10  $\frac{3}{4}$ "  
Correction for Sheer ..... - 4  $\frac{1}{4}$ "  
Correction for Length ..... + 13  $\frac{1}{4}$ "  
Allowance for Deck Erections ..... 2' 8  $\frac{1}{4}$ "  
Correction for Round of Beam..... - 11  $\frac{1}{2}$ "  
Correction for fall in Sheer (if any).....  
Correction for Iron Deck (if required) ..... - 3  $\frac{1}{2}$ "  
1' 5  $\frac{1}{4}$ "  
Additions for non-compliance with provisions of }  
Para. 11 (d) and (e) † }  
Other Corrections (if any) ..... Raised Quarter Deck + 3' 10"  
5' 3  $\frac{1}{4}$ "

Winter Freeboard ..... 5' 3  $\frac{1}{4}$ "  
Summer Freeboard ..... 2  $\frac{1}{4}$ " 5' 1"  
Indian Summer Freeboard ..... 4' 10  $\frac{3}{4}$ " 5' 8  $\frac{3}{4}$ "  
N. A. Winter Freeboard ..... 2  $\frac{1}{2}$ "  
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  $\frac{1}{2}$ "

Winter Freeboard from deck line ..... 5' 4  $\frac{3}{4}$ "  
Summer " " " ..... 5' 2  $\frac{1}{2}$ "  
Indian Summer " " " ..... 5' 0  $\frac{1}{4}$ "  
N. A. Winter " " " ..... 5' 4  $\frac{1}{4}$ "  
Raised Quarter " " " ..... 5' 2  $\frac{1}{2}$ "  
4  
2  $\frac{1}{2}$ "  
4  $\frac{1}{2}$ "

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.  
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† 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.