

# WRECK SECTION

## Lloyd's Register of Shipping.

Index No. 211304  
(For London Office only.)

### 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 Bergen  
Date of Survey 30<sup>th</sup> June 1932  
Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
"GRO"	<u>Bergen</u> <u>Norwegian</u>		4211	1917-10	*100 A1
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	351.75	50.95	26.0	3810.68
Length on LOADLINE.	351.50	Frame Depth 12 Rule " $\frac{6}{6}$ $2 \times 6 = 1.00$	Ceiling <u>1.07</u> Sheer <u>1.07</u>	Peak Tanks <u>3</u> <u>hells</u>
CORRECTED DIMENSIONS.	351.50	49.95	27.07	3810.68

Co-efficient of fineness..... .802  
Any modification necessary } .028  
[Para. 4 (a) to (e)]\* }  
Co-efficient as corrected ..... .78

Sheer { Stem..... 114 }  $172 \div 2 = 86$  ...Mean 36 38.49  
at { Sternpost ... 58 } 1.07  
Sheer at  $\frac{1}{8}$  of the length from { Stem 62 }  $92 \div 2 = 46$  ...Mean 46  
Sternpost 30 }  $\div .55 = 83.64$   
Gradual mean Sheer ..... 83.64  
Standard mean Sheer [Table, Para. 18] ..... 45.15 Correction X  
Difference..... 38.49  $\div 4 = 9.62$   
§ If limited as Para. 18 (f) ..... -9.62

Rise in Sheer { At front of bridge house.....  
from amidships { At after end of forecastle .....

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

#### ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... 3'-9 3/4"  
Correction for Length, if required (Para. 12, 13, and 14) ..... + 3/4"  
3'-10 1/2"  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) ..... 6'-3 1/2"  
Difference ..... 2'-5"  
Percentage as below..... 27.10%  
7.86%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓  
Allowance for Deck Erections ..... 8"

	Length.	Length allowed.	Height.
Forecastle.....	32.25	32.25	7.0
Bridge House.....	95.07	95.79	7.0
+ Raised Q. Dk.....	1.30		
Poop.....	23.00	23.12	7.0
Total	<u>151.62</u>	<u>151.16</u>	<u>43.00</u>
Length of Ship	351.5		
Corresponding percentage (Para. 11, 12, 13, or 14)	<u>27.10</u>		

#### SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, 1, Steel, Deck :—

Tropical Fresh Water Line above Centre of Disc 10 1/2" = 267  
Fresh Water Line " " 5 3/4" = 146  
Tropical Line " " 4 3/4" = 121  
Winter Line below " " 4 3/4" = 121  
Winter North Atlantic Line " " " " " "

Tropical Fresh Water Freeboard ...  
Fresh Water ...  
Tropical ...  
Winter ...  
Winter North Atlantic ...

5'-1 1/4" = 1556  
4'-2 3/4" = 1289  
4'-7 1/2" = 1410  
4'-8 1/2" = 1435  
5'-6" = 1677

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. Nil

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

Freeboard, Table A ..... 6'-11 1/2"  
Correction for Sheer ..... - 9 1/2"  
6'-2"  
Correction for Length ..... + 1 1/2"  
6'-3 1/2"  
Allowance for Deck Erections ..... - 8"  
5'-7 1/2"  
Correction for Round of Beam.....  
Correction for fall in Sheer (if any).....  
Correction for Steel Deck (if required) ..... - 1 1/2"  
5'-6"  
Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) † {  
Other Corrections (if any) .....

Winter Freeboard ..... 5'-6"  
Summer Freeboard (4 : 5.92) 4 3/4" 5'-1 1/4"  
Indian Summer Freeboard ..... 4'-8 1/2"  
N.A. Winter Freeboard .....

9 JAN 1933

$$F.W. = 12 \times .021 (28.42 - 5.10) = 5.88 = 149 \text{ mm}$$

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RECEIVED  
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