

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 9.1.33

Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
GRAIGWEN	Bardiff British	148289	3697	1926-2	+100 A1
Number in Register Book					
Registered dimensions from Ship's Register.	LENGTH. 365.0	BREADTH. 51.5	DEPTH. 23.0	UNDER DECK TONNAGE. 3505.05	
Length on LOADLINE.	363.0	Frame Depth 11 1/2 Ceiling ✓ Rule " 5 1/2 Sheer +1.1	Peak Tanks 2 incl		
CORRECTED DIMENSIONS.	363.0	50.50	24.10	3505.05	
Co-efficient of fineness.....	.77				
Any modification necessary { [Para. 4 (a) to (e)]* }	-.02 C.D.B.				
Co-efficient as corrected77				
Sheer { Stem..... 112 } 168 ÷ 2 = 84 ...Mean at { Sternpost ... 56 } 85.92 46.30 36 39.62 1.16					
Sheer at 1/3 of the length from { Stem 63 } 94.5 ÷ 2 = 47.25...Mean { Sternpost 31.5 }					
Gradual mean Sheer	84.96				
Standard mean Sheer [Table, Para. 18]	46.30	Correction			
Difference.....	38.66 ÷ 4 = 9.66				
If limited as Para. 18 (f)	- 9 3/4				
Rise in Sheer { At front of bridge house..... } ✓ from amidships { [Para. 18 (e)] { At after end of forecastle					
Fall in Sheer { } ÷ 2 = ✓ Para. 18 (d) { } Correction length uncovered					
ALLOWANCE FOR DECK ERECTIONS :—					
Freeboard, Table C.....	2 - 7 1/4				
Correction for Length, if required (Para. 12, 13, and 14)					
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) }	4 - 9				
Difference	2 - 13/4				
Percentage as below.....	58.56				
	15.08				
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }					
Allowance for Deck Erections	- 15"				
Length. Length allowed. Height.					
Forecastle..... 40.42 38.09 7-3					
Bridge House 220.00 220.00 7-0					
Raised Qr. Dk.....					
P..... 27.08 27.08 7-0					
Total	285.17	78.56%			
Length of Ship	363.0				
Corresponding percentage { Para. 11, 12, 13, or 14 }	58.56				
Port of Survey					
Date of Survey	9.1.33				
Name of Surveyor					
Moulded Depth as measured.....	25-0				
Addition for Keel below base line for draught record.....inches.					
CORRECTION FOR LENGTH.					
Length of Ship on Loadline.....	363.0				
Length in Table	300.0				
Difference	63.0				
Correction for 10ft., Table A.	1.3	Table C.			
× Difference divided by 10	8.19	(if required.)			
If 1/10ths length covered divide by 2	4.09	+4			
CORRECTION FOR IRON DECK.					
Proportion covered, if less than 1/10ths length covered	78.37				
Thickness of usual wood deck, less stringer	- 3 1/2				
CORRECTION FOR ROUND OF BEAM.					
Breadth at Gunwale amidships.....	50-0				
Round of Beam	12 1/2				
Normal round.....	12 1/2				
Difference	÷ 2 =				
Proportion of Deck uncovered (Para. 19)					
Freeboard, Table A	5 - 6 3/4				
Correction for Sheer	- 9 3/4				
	4 - 9				
Correction for Length	4				
	5 - 1				
Allowance for Deck Erections	- 1 - 3				
	3 - 10				
Correction for Round of Beam.....	✓				
Correction for fall in Sheer (if any).....	-				
Correction for Steel Deck (if required)	- 3 1/2				
	3 - 6 1/2				
Additions for non-compliance with provisions of { Para. 11 (d) and (e) ‡ }	-				
Other Corrections (if any)	✓				
Winter Freeboard	3 - 6 1/2				
Summer Freeboard	3 - 13/4				
Indian Summer Freeboard	2 - 9				
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.	NIL				
Winter Freeboard from deck line					
Summer " " " "					
Indian Summer " " " "					
N. A. Winter " " " "					

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

Tropical Fresh Water Line above Centre of Disc ...	11
Fresh Water Line " " " " ...	6
Tropical Line " " " " ...	5
Winter Line " " " " ...	4 1/2
Winter North Atlantic Line " " " " ...	

Tropical Fresh Water Freeboard ...	3' - 1 3/4"
Fresh Water " " " " ...	2' - 2 3/4"
Tropical " " " " ...	2' - 7 3/4"
Winter " " " " ...	2' - 8 3/4"
Winter North Atlantic " " " " ...	3' - 6 1/4"

10 JAN 1933

No. 932, T.

W 403-0090

MARKING FORM
19 DEC 1933
RECEIVEDMARKING FORM
31 AUG 1933
RECEIVEDMARKING FORM
17 OCT 1933
RECEIVEDMARKING FORM
14 JAN 1933
RECEIVED