

1902 20/10/12
allerton 23431

THU. JAN. 29. 1914
23504
No 33576

Surveyors' Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

REGULATIONS RELATING TO ALL STEAM SHIPS ~~WITH FLUSH DECKED OR WITH~~
~~FORECASTLES, 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 Glasgow
Date of Survey While Building
Name of Surveyor R. D. Cairns

Ship's Name. S.S. "BROADGREEN"
Port of Registry and Nationality. Liverpool British
Official Number. 135551
Gross Tonnage. 651
Date of Build. Building 1914
Particulars of Classification. +100 A.1. (Contemplated)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	175.2	28.1	10.45 12.33 <i>ord.</i>	444.27
Length on LOADLINE.	175.	MEAN Frame Depth 5 Rule " 3 1/2 - 25'	Ceiling <i>fitted</i> Sheer + <i>4.45</i>	Peak Tanks <i>between tank top & ord. floor. 30.8</i>
CORRECTED DIMENSIONS.	175	27.85	12.788	445.07

Co-efficient of fineness..... 72.71 ✓
Any modification necessary {
[Para. 4 (a) to (e)]* }
Co-efficient as corrected 72 ✓

Sheer { Stem..... 56.5 } 84.75 ÷ 2 = 42.375 ... Mean
at { Sternpost ... 28.25 }
Sheer at 1/2 of the length from { Stem 31.5 } 48.0 ÷ 2 = 24 ... Mean
{ Sternpost 16.5 }
Gradual mean Sheer 43.636 } 43.005
Standard mean Sheer [Table, Para. 18] 27.5 Correction
Difference..... 15.505 ÷ 4 = 3.876 ✓
§ If limited as Para. 18 (f)..... = - 3 3/4

Rise in Sheer { At front of bridge house..... ✓
from amidships {
[Para. 18 (e)] { At after end of forecastle ✓
Fall in Sheer }
Para. 18 (d) } ÷ 2 = ✓
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0-4 1/4 ✓
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, } 1-7 1/2 ✓
if required (Para. 12, 13, and 14) }
Difference 1-3 1/4 ✓
Percentage as below..... 62.86 ✓
9 1/2 x
Correction for R. Q. Dk. if engine and boiler openings not } + 1/4 ✓
covered by bridge house (Para. 11) }
Allowance for Deck Erections = 9 1/4 ✓

	Length.	Length allowed.	Height.
Forecastle..... <i>open</i>	31.5	26.68 ✓	7-0
Bridge House	9.17	9.17 -	7-0
† Raised Qr. Dk.	95.83	95.83 -	4-0
Poop.....			
Total	136.5	131.68	.7524
Length of Ship	175.0	175.0	
Corresponding percentage { (Para. 11, 12, 13, & 14) }	62.86		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Winter~~ (Iron) Deck:—

Fresh Water Line above centre of Disc ...
Indian Summer Line " " " ...
Winter Line below " " ...
Winter North Atlantic Line " " " ...

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside
girding should be reported if possible.
In obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amid-
ships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
In vessels having poops and forecastles, it means the sheer measured at the stem and stern-
post. In vessels having poops and forecastles, it means the sheer measured at points distant
length of the vessel's length from stem and stern-post.

Moulded Depth as measured..... 13'-0" ✓

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..... 175 ✓
Length in Table 156 ✓
Difference 19 ✓
Correction for 10ft., Table A.9 Table C.
× Difference divided by 10 1.71 (if required.) ✓
If 1/10ths length covered divide by 2 + 3 1/4 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered78524 ✓
Thickness of usual wood deck, less stringer 3 ✓
- 3"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 28.0
Round of Beam 7
Normal round..... 7
Difference 7 ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19) ✓

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

Freeboard, Table A 1-11 1/4 ✓
Correction for Sheer - 3 3/4 ✓
1-7 1/2 ✓
Correction for Length + 3 1/4 ✓
1-8 1/4 ✓
Allowance for Deck Erections - 9 1/4 ✓
0-11 1/4 ✓
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required) - 3 ✓
8 1/4
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) † } ✓
Other Corrections (if any) ✓

Winter Freeboard 0-8 1/4 ✓
Summer Freeboard 0-6 1/4 ✓
Indian Summer Freeboard ✓
N. A. Winter Freeboard ✓
Correction necessary because clearside amidships, measured }
in accordance with the Statute is not taken at the } + 1 ✓
intersection of the ~~wood~~ iron deck with side.

Winter Freeboard from deck line 0-9 1/4 ✓
Summer " " " " 0-7 1/4 ✓
Indian Summer " " " " ✓
N. A. Winter " " " " ✓

Amended Tables
March 1906
0-2x
Corresponding to 4'-7" from Statutory 8' above R.L.

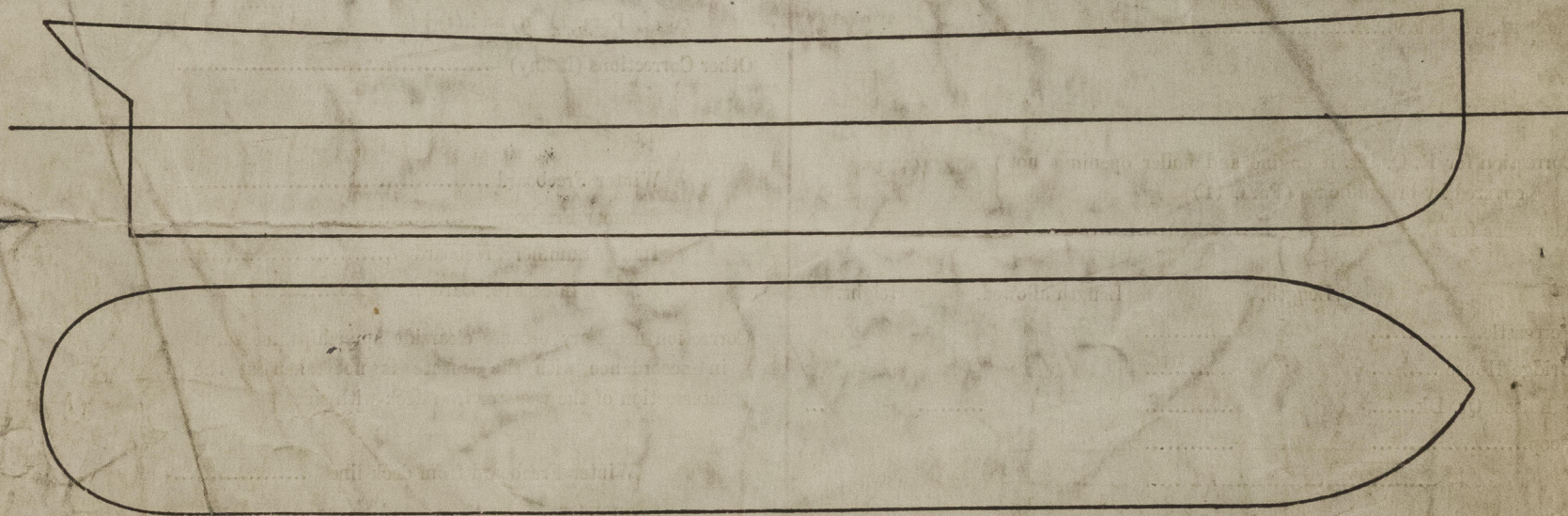
† State dimensions of freeing port area on back of this form.

† 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.

(P.T.O.)

	Position and Size.										
	<i>N^o 1 33'-0" x 17'-11"</i>		<i>N^o 2 29'-4" x 17'-11"</i>								
	Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK.....	<i>HZ</i>		<i>HZ</i>							
	Sides.....	<i>.50 ✓</i>		<i>.50</i>							
	Thickness { Ends.....	<i>.44 ✓</i>		<i>.44</i>							
SHIFTING BEAMS OR WEB PLATES.	Number	<i>Two</i>		<i>Two.</i>							
	Section and Scantlings	<i>3x½ → .44 cpx ↓</i>		<i>3x½ → .44 cpx ↓</i>							
	Material	<i>Steel</i>		<i>Steel</i>							
* FORE AND AFTERS.	Number	<i>Three</i>		<i>Three</i>							
	Section and Scantlings	<i>Center 10' x 9'</i>		<i>Center 10' x 8'</i>	<i>approved plan</i>						
	Material	<i>Side 9' x 8' Pitch Pine</i>		<i>side 9' x 8' Pitch Pine.</i>							
HATCHES Thickness		<i>3"</i>		<i>3"</i>							
Remarks.....											

Length of Bulwarks in well			38.5		
Area of Freeing Ports required by Para. 11 (e) each side of vessel				=	10.35
Ft.	Tenths.	Ft.	Tenths.	No.	
2.5	x	1.5	x	3	} Freeing Ports (each side of vessel)
	x		x		
				=	11.25
Total deficiency or excess				=	90



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