

30 DEC 1927

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Index No. 32603
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No. 93068.

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

Port of Survey Birkenhead
Date of Survey White Sunday
Name of Surveyor Geo. L. Kyle

S.M.V.	Ship's Name. <u>GREYSTOKE CASTLE</u>	Port of Registry and Nationality. <u>British</u>	Official Number. <u>149664</u>	Gross Tonnage. <u>✓</u>	Date of Build. <u>1928</u>	Particulars of Classification. <u>+100A.1. Contimplate</u>
	Number in Register Book <u>✓</u>					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>428.0</u>	<u>56.1</u>	<u>28.9</u>	<u>5328.07</u>
Length on LOADLINE.	<u>425</u>	Frame Depth Rule <u>12</u> Ceiling <u>5 1/2</u> Sheer <u>6 1/2</u> + <u>92</u>	under hatchways Ceiling <u>+ .20</u> Sheer <u>+ .83</u>	Peak } Incl'd. Tanks } For 8 Frames in Tween Decks - 19 Tons For 10 Frames off - 2 Tons
CORRECTED DIMENSIONS.	<u>425.0</u>	<u>55.18</u>	<u>29.93</u>	<u>5307.07</u>

Moulded Depth as measured..... 31.75'
- 31-9

Addition for Keel below base line for draught record..... 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.....	<u>425</u>
Length in Table	<u>381</u>
Difference	<u>44</u>
Correction for 10ft., Table A.	<u>1.6</u> Table C.
× Difference divided by 10	<u>7.04</u> (if required.)
If 1/10ths length covered divide by 2	<u>3.52</u> <u>+ 3/2</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>3 1/2</u>
Thickness of usual wood deck, less stringer	<u>3 1/2</u> - <u>3 1/2</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>55.66</u>
Round of Beam	<u>13 1/2</u>
Normal breadth.....	<u>13.91</u>
Difference.....	<u>.41</u> ÷ 2 = <u>.20</u>
Proportion of Deck uncovered (Para. 19)	<u>.196</u>

Co-efficient of fineness..... .456
Any modification necessary }
[Para. 4 (a) to (e)]* } C.D.B.
Co-efficient as corrected44

Sheer { Stem..... 108 } 162 ÷ 2 = 81 ... Mean 81
at { Sternpost ... 54 }

Sheer at 1/2 of the length from { Stem 60 3/4 } 90.75 ÷ 2 = 45.375 Mean
{ Sternpost 30 3/8 } ÷ .55 = 82.50
Gradual mean Sheer allowed 81.75
Standard mean Sheer [Table, Para. 18] 52.50 Correction
Difference..... 29.25 ÷ 4 = 7.31
§ If limited as Para. 18 (f) - 7 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) { }
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	<u>5 - 0 1/4</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>✓</u>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>4. 6 1/2</u>
Difference	<u>2. 6 1/4</u>
Percentage as below.....	<u>60.4%</u>
	<u>18.27</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }	<u>1. 6 1/4</u>
Allowance for Deck Erections	<u>- 1. 6 1/4</u>

R.P.P. Length.	Length allowed.	Height.
Forecastle..... <u>39.00</u>	<u>39.00</u>	<u>8.5</u>
Bridge House <u>275.25</u>	<u>275.25</u>	<u>8.5</u>
† Raised Qr. Dk..... <u>27.66</u>	<u>27.66</u>	<u>8.5</u>
Poop..... <u>27.66</u>	<u>27.66</u>	<u>8.5</u>
Total	<u>341.91</u>	<u>.804</u>
Length of Ship	<u>425.0</u>	
Corresponding percentage { } (Para. 11, 12, 13, or 14) }	<u>60.4%</u>	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Ste)

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

Freeboard, Table A.....
Correction for Sheer.....
Correction for Length.....
Allowance for Deck Erections.....
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11).....
Correction necessary in accordance with intersection of the Winter, Summer, Indian Summer, and N.A. Winter Lines.....

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† 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 stern-post.

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