

## VERIFICATION REPORT

Index No. 13 JAN 1926  
(For London Office only.)

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

31929  
No. 29210

Particulars 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 Sunderland  
Date of Survey 11.1.26 while building  
Name of Surveyor T. Shaw

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>"DEMETERTON"</u>	<u>Newcastle</u> <u>British</u>	<u>149406</u>	<u>approx 5200</u> <u>5251.23</u>	<u>1926</u>	<u>*100A1 Contemplated</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.	Moulded Depth as measured	NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.
	<u>397.25</u>	<u>54.0</u>	<u>28.6</u>	<u>4791.55</u>	<u>31'-6"</u>	
Length on LOADLINE.	<u>397.25</u>	Frame Depth <u>14.5"</u> Rule " <u>7"</u> <u>7.5" x 2 = 1.25"</u> Span ceiling fitted	Ceiling fitted Sheer <u>+1.16"</u>	Peak Tanks <u>2.0 rise in after tank 32.50"</u>	Addition for Keel below base line for draught record..... <u>2</u> .....inches.	
CORRECTED DIMENSIONS.	<u>397.25</u>	<u>52.75</u>	<u>29.76</u>	<u>4824.05</u>		

Co-efficient of fineness......7734  
Any modification necessary [Para. 4 (a) to (e)]\*  
Co-efficient as corrected......75

CORRECTION FOR LENGTH.	
Length of Ship on Loadline.....	<u>397.25</u>
Length in Table .....	<u>378.00</u>
Difference .....	<u>19.25</u>
Correction for 10ft., Table A. ....	<u>1.6</u>
× Difference divided by 10 .....	<u>3.08</u>
If $\frac{1}{10}$ ths length covered divide by 2	<u>+3"</u>

Sheer { Stem..... 120"  
at { Sternpost... 66" }  $186 \div 2 = 93$  ...Mean 1.16  
Sheer at  $\frac{1}{2}$  of the length from { Stem 67.5"  
Sternpost 33.5" }  $101 \div 2 = 55.5$  ...Mean 1.16  
Gradual mean Sheer ..... 91.81  
Standard mean Sheer [Table, Para. 18] ..... 49.72  
Difference..... 42.09  $\div 4 = 10.52$   
§ If limited as Para. 18 (f) ..... -10.52

CORRECTION FOR IRON DECK.	
Proportion covered, if less than $\frac{1}{10}$ ths length covered .....	<u>.4789</u>
Thickness of usual wood deck, less stringer .....	<u>3.2"</u>

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

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

CORRECTION FOR ROUND OF BEAM.		NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.
Breadth at Gunwale amidships.....	<u>53.2</u>	
Round of Beam .....	<u>1.12</u>	
Normal round.....	<u>1.14</u>	
Difference .....	<u>4</u> $\div 2 =$ <u>1/8</u>	
Proportion of Deck uncovered (Para. 19) .....		

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 4-11 1/2  
Correction for Length, if required (Para. 12, 13, and 14) ..... + 1 1/2  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) ..... 7-5 1/2  
Difference ..... 2-4 1/2  
Percentage as below..... 30.523  
= 8.698 8.70  
- 8 3/4

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....  
Allowance for Deck Erections ..... - 8 3/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>38'-6" including</u>	<u>39.5</u>	<u>8-0</u>
Bridge House .....	<u>121-9 including</u>	<u>118.5</u>	<u>8-0</u>
† Raised Qr. Dk.....	<u>—</u>	<u>—</u>	<u>—</u>
Poop.....	<u>32-3</u>	<u>32.25</u>	<u>8-0</u>
Total .....		<u>190.25</u>	<u>4789.479</u>
Length of Ship .....		<u>397.25</u>	
Corresponding percentage { (Para. 12, 13, and 14) }	<u>30.52</u>		

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	" " "	...

Winter Freeboard .....	<u>6-7</u>
Summer Freeboard .....	<u>6-1 1/4</u>
Indian Summer Freeboard .....	<u>5-7 1/2</u>
N. A. Winter Freeboard .....	<u>—</u>
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.	<u>1 3/4</u>

Winter Freeboard from deck line .....	<u>6-8 3/4</u>
Summer " " " " .....	<u>6-3</u>
Indian Summer " " " " .....	<u>5-9 1/4</u>
N. A. Winter " " " " .....	<u>—</u>

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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 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 the time of survey, and also the usual load draft forward and aft should be reported.

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Do all the Frames extend to the top height in the Poop? Yes Raised Quarter Deck? — Bridge House? Yes Forecastle? —  
 To what height do the Reverse Frames extend? channel framing  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? Yes  
 Give particulars of the means for closing the openings in Bulkhead boards full height in riveted channels  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? no Has the Bridge House an efficient Bulkhead at the fore end? Yes  
 Give particulars of the means for closing the openings in Bulkhead no openings  
 What is the thickness of the Bridge Front plating? 40 and Coaming plate? 44  
 Give scantlings and spacing of the Stiffeners 9x3 1/2 x 48 Butt Angles - 30" apart  
 Are bracket plates fitted at each end of the Stiffeners? lugged Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? Yes  
 Has the Bridge House an efficient Iron Bulkhead at the after end? Yes  
 How are the openings closed? boards full height in riveted channels  
 Is the Forecastle at least as high as the main or top-gallant rail? Yes Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? Yes  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? by a bridge  
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? ✓  
 Give thickness of plating; scantlings and spacing of Stiffeners ✓  
 What is the height of the exposed Casings? 7'-9" Are suitable means provided for closing all openings in them in bad weather? Yes  
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— Yes

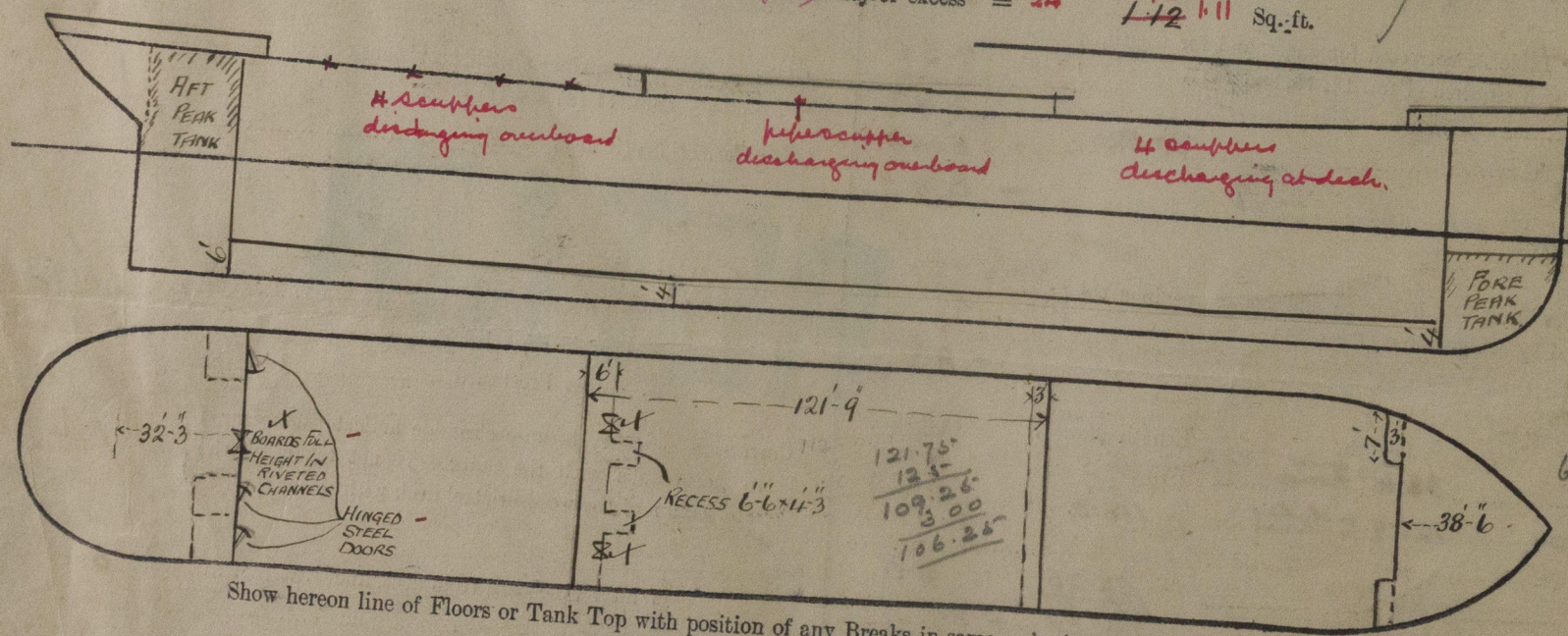
Position and Size.	No 1 for 31'-6" x 20'-0"		No 2 33'-0" x 20'-0"		No 3 24'-9" x 20'-0"		No 4 33'-0" x 20'-0"		No 5 30'-0" x 20'-0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	43"	24"	53"	24"	30"	18"	43"	24"	38"	24"
Thickness										
Sides.....	44	44	44	44	44	44	44	44	44	44
Ends.....	44	44	44	44	44	44	44	44	44	44
SHIFTING BEAMS OR WEB PLATES										
Number.....	five		five		2 beams + one web		five		five	
Section and Scantlings.....	19-11/2 x 36	-do-	19-11/2 x 37	-do-	17-1/2 x 36	-do-	19-11/2 x 37	-do-	19-11/2 x 37	-do-
Material.....	4 x 3 x 44		4 x 3 x 44		4 x 3 x 44		4 x 3 x 44		4 x 3 x 44	
* FORE AND AFTERS										
Number.....										
Section and Scantlings.....										
Material.....										
HATCHES Thickness.....	all 3" thick									
Remarks.....	good									

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.  
 What is the thickness of the Bridge Sheerstrake? Strake between Main and Bridge Sheerstrakes?

Delete the words The Crew are, are not, berthed in the bridge house.  
 that do not apply The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well 210-11 201-76 Forward 97-91 Aft 112-75  
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = 19-58 42-13 22-55 Sq. ft. For  
 Ft. Tenth. Ft. Tenth. No. 4-0 x 1-33 x 5-4 3-83 x 1-33 x 5  
2-50 1-33  
 Freeing Ports (each side of vessel) = 19-82 43-25 23-66 Sq. ft. Only  
 Total deficiency or excess = 24 2-90 1-12 1-11 Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel ✓  
 Builder's name and yard number Messrs Short Bros. Ltd. No 422  
 Names of sister vessels Similar to S/S 'Carlton' 2/2/24  
 Owners Carlton Steamship Co Ltd  
 " Address Newcastle on Tyne  
 Fee £ 11 : 0 : 0 Received by me See F. L. Report  
 will be charged on completion

Displacement @ 25' 7/4 draft 12024  
 Tons per inch at L.W.L. 41-8  
 Request form 9 is forwarded here