

# 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 DISCONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey *Sunderland.*  
 Date of Survey *22<sup>nd</sup> Aug<sup>r</sup> 1919*  
 Name of Surveyor *S. Eushall.*

Ship's Name. *WESTERN COAST.* Port of Registry and Nationality. *Liverpool. British.* Official Number. *110654* Gross Tonnage. *1937 (approx)* Date of Build. *1916.* Particulars of Classification. *\* 100 A.1. Contemplated*

REGISTERED DIMENSIONS FROM LOADLINE.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Registered Dimensions from Loadline.	290.0	42.55	18.85	1620.29
Length on LOADLINE.	290.0	Frame Depth 9 Rule "5/4 = -66. Start of framing 2 = +25	Ceiling <i>fitted</i> Sheer - 22 22 <i>after tanks raised</i> <i>transversely</i> <i>longitudinally = +13 tons</i>	Peak } included Tanks }
CORRECTED DIMENSIONS.	290.0	42.14	18.63	1633.29

Moulded Depth as measured..... *21.2*  
 Addition for Keel below base line for draught record..... *2.2* 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.....	290.0
Length in Table .....	254.0
Difference .....	36.0
Correction for 10ft., Table A. ....	1.2
× Difference divided by 10 .....	4.32 (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	2.16 + $2\frac{1}{4}$ inches.

Co-efficient of fineness..... *.717*  
 Any modification necessary [Para. 4 (a) to (e)]\* *.02 C.D.B.*  
 Co-efficient as corrected ..... *.697 .70*

CORRECTION FOR IRON DECK.  
 Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... *Complete Slaten dk.*  
 Thickness of usual wood deck, less stringer ..... *3 1/2*

Sheer { Stem..... *53* }  $74.0 \div 2 = 37.0$  ... Mean  $\frac{16.93}{55} = 30.48$   
 at { Sternpost ... *21* }  
 Sheer at  $\frac{1}{2}$  of the length from { Stem *23.12* }  $33.87 \div 2 = 16.93$  ... Mean { Sternpost *10.75* }  
 Gradual mean Sheer ..... *30.48*  
 Standard mean Sheer [Table, Para. 18] ..... *39.00* Correction  
 Difference.....  $8.22 \div 4 = 2.05$   
 § If limited as Para. 18 (f) .....  $\frac{8.22}{3} = 2.74$  in. = *2.27*

CORRECTION FOR ROUND OF BEAM.  
 Breadth at Gunwale amidships..... *41-11*  
 Round of Beam .....  $10\frac{1}{2}$   
 Normal round.....  $10\frac{1}{2}$   
 Difference .....  $\checkmark \div 2 =$   
 Proportion of Deck uncovered (Para. 19) .....

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

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

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	1-6
Correction for Length, if required (Para. 12, 13, and 14) .....	"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	4-2 1/4
Difference .....	2-8 1/4
Percentage as below.....	89.1
	28.43.

Winter Freeboard .....	1-8 1/4
Summer Freeboard .....	1-4 1/4
Indian Summer Freeboard .....	1-1 1/4
N. A. Winter Freeboard .....	1-10 1/4
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side.	+ 1 1/4
Winter Freeboard from deck line .....	1-10
Summer " " " " .....	1-6 1/2
Indian Summer " " " " .....	1-3
N. A. Winter " " " " .....	2-0

	Length.	Length allowed.	Height.
Forecastle.....	122.0	122.0	6-8 1/2
Bridge House.....	8.0		
† Raised Qr. Dk.....			
Poop... (not closed).....	160.0	134.0	
Total .....	290.0	256.0	
Length of Ship .....		273.0	94.1
Corresponding percentage (Para. 11, 12, 13, and 14) }	89.1.	290.0	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line.

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

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.

ceiling are of unusual thickness the breadth of vessel to inside possible.  
 erections under Para. 11 where the sheer drops abaft amidships from the level of the top of the amidship beam.  
 on sheer means the sheer measured at the stem and stern-post, it means the sheer measured at points distant and stern-post.

Do all the Frames extend to the top height in the Poop? *Shelter deck yes*

To what height do the Reverse Frames extend? *9' bull angle framing (no reverse)*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? *Complete Shelter Deck*

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? *Complete Shelter Deck*

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners?

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed? *By boards fitted in channels over openings.*

Is the Forecastle at least as high as the main or top-gallant rail?

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *yes.*

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? *10-9 above Shelter deck* 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:—

Position and Size.	R. 1. 12x16.		R. 2. 26x16.		R. 3. 12x16.		R. 4. 26x16.		R. 5. 22x16.	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING										
Height above top of DECK	30	24	30	24	30	24	12	30	30	
Thickness	Sides	44	44	44	44	44	44	44	44	
	Ends	44	44	44	44	44	44	44	44	
SHIFTING BEAMS OR WEB PLATES	Number	2	4	4	2	2	1	4	3	
	Section and Scantlings	$3\frac{1}{2} \times 3\frac{1}{2} \times 14$ $14\frac{1}{2} \times 32$	$3\frac{1}{2} \times 3\frac{1}{2} \times 4$ $14\frac{1}{2} \times 34$ $6 \times 3\frac{1}{2} \times 58$			$3\frac{1}{2} \times 3\frac{1}{2} \times 4$ $14\frac{1}{2} \times 3$ $6 \times 3\frac{1}{2} \times 58$		$3\frac{1}{2} \times 3\frac{1}{2} \times 4$ $14\frac{1}{2} \times 3$ $6 \times 3\frac{1}{2} \times 58$		
	Material	all steel								
* FORE AND AFTERS	Number		no							
	Section and Scantlings									
	Material									
HATCHES	Thickness	2 1/2	all							
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? \_\_\_\_\_

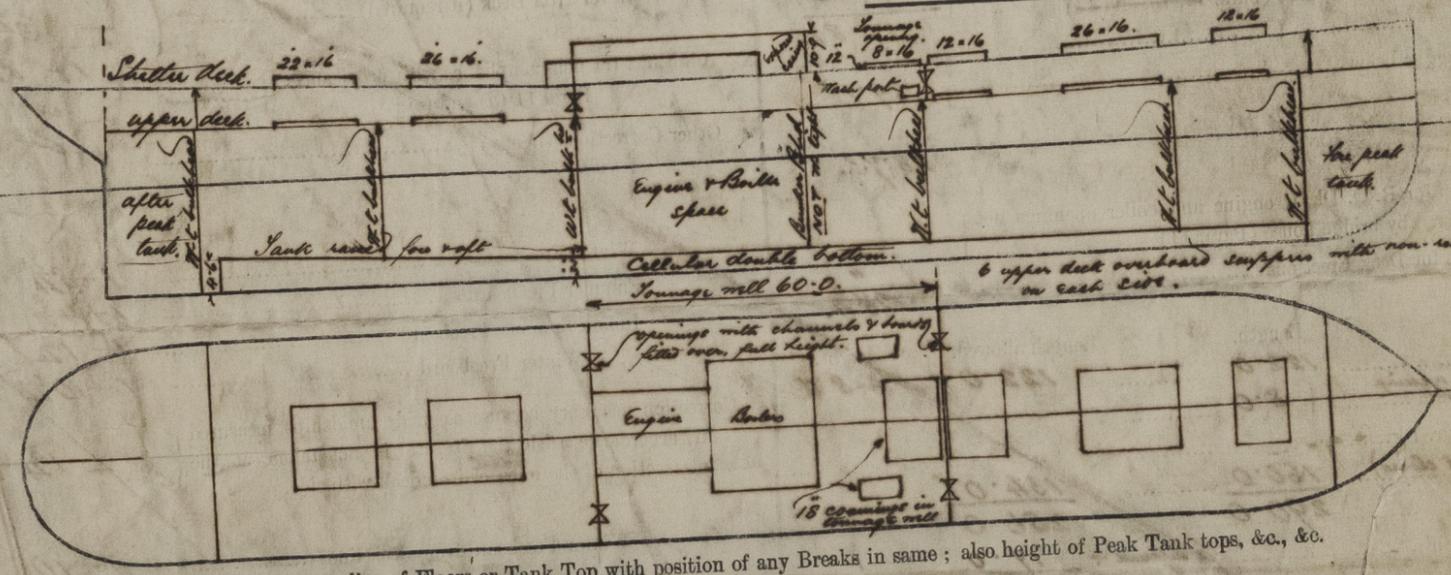
Delete the words that do not apply { The Crew are, are not, berthed in the bridge house.  
The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well \_\_\_\_\_ Sq. ft.

Area of Freeing Ports required by Para. 11 (e) each side of vessel = \_\_\_\_\_ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) = _____ Sq. ft.
x		x			
x		x			

Total deficiency or excess = \_\_\_\_\_ 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. *This vessel is of the builders C.S. type and has been built to the approved plans and the rules, she is a sister ship to the same builder S.S. British Coal S. No. Report No. 27553. Tonnage Report Form forwarded.*

Owners *herewith.*

Address \_\_\_\_\_

Fee £ *3* : *3* : *0*. Received by me *3/12/19* *RPB*

