

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No 29013

PARTICULARS RELATING TO ~~THE~~ STEAM SHIP, ~~EITHER FLUSH DECKED, OR WITH~~ ~~TOP GALLANT FORECASTLE, SHORT POOPS AND BRIDGE HOUSE,~~ ~~OR~~ ~~WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS~~ ~~CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE, AND SHORT POOP.~~

Port of Survey Sunderland
Date of Survey while building
Name of Surveyor James Dickie

Ship's Name. S.S. PETERSTON.	Port of Registry and Nationality. LONDON BRITISH	Official Number. 148561	Gross Tonnage. 4680	Date of Build. 1925	Particulars of Classification. +100A1. CONTEMPLATED.
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B.T. WRITTEN

Registered dimensions from Ship's Register.	LENGTH. 385.45	BREADTH. 52.00	DEPTH. 26.00	UNDER DECK TONNAGE. 4277.44
Length on LOADLINE.	385.16	Frame Depth 12" Rule 6	Ceiling <u>FITTED</u> Sheer + 2.24 TANK LEVEL	Peak Tanks } INCLD.
CORRECTED DIMENSIONS.	385.16	51.00	28.24	4277.44

Moulded Depth as measured..... **27' 10"**

Addition for Keel below base line for draught record..... **1 1/2** inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness..... **.771**

Any modification necessary [Para. 4 (a) to (e)]* **-.02 CORR. B.**

Co-efficient as corrected **.75**

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... **385.16**

Length in Table **334.00**

Difference **51.16**

Correction for 10ft., Table A. **1.4** Table C. ✓

× Difference divided by 10 **7.16** (if required.)

If 1/10ths length covered divide by 2 **3.58**

+ 3 1/2

Sheer { Stem..... **135**
at { Sternpost ... **90** } $225 \div 2 = 112.5$... Mean $\frac{71}{55} = 129.09$

Sheer at 1/3 of the length from { Stem **85 1/2**
Sternpost **56 1/2** } $142 \div 2 = 71$... Mean

Gradual mean Sheer $\frac{129.09 + 112.5}{2} = 120.79$

Standard mean Sheer [Table, Para. 18] **48.51** Correction

Difference..... $72.28 \div 4 = 18.07$

§ If limited as Para. 18 (f) **-18"**

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered **89.48** covered

Thickness of usual wood deck, less stringer **-3 1/2**

Rise in Sheer from amidships { At front of bridge house..... ✓
[Para. 18 (e)] { At after end of forecastle ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **47' 11 1/2"**

Round of Beam **19 3/8**

Normal round..... **11.99**

Difference $7.38 \div 2 = 3.69$

Proportion of Deck uncovered (Para. 19) **.105**

= .387 - 1/4

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

Fall in Sheer { Para. 18 (d) } ✓ ÷ 2 = ✓

Length uncovered Correction ✓

Freeboard, Table A **6' 7 3/4"**

Correction for Sheer **-1.6**

Correction for Length **+ 3 1/2**

Allowance for Deck Erections **5.5 1/4**

Correction for Round of Beam..... **-1.4 1/2**

Correction for fall in Sheer (if any)..... ✓

Correction for Iron Deck (if required) **-3 1/2**

3.9"

Additions for non-compliance with provisions of Para. 11 (d) and (e) †

Other Corrections (if any) ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... **3.64**

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) } **5.1 3/4**

Difference **1.7 1/2**

Percentage as below..... **84.44%**

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓

Allowance for Deck Erections **-1.4 1/2**

Winter Freeboard **3.9"**

Summer Freeboard **3.3 3/4"**

Indian Summer Freeboard **2.10 1/2"**

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. } **2 3/4**

Winter Freeboard from deck line **3.11 3/4"**

Summer " " " **3.6 1/2"**

Indian Summer " " " **3.1 1/4"**

N. A. Winter " " " ✓

	Length.	Length allowed.	Height.
Forecastle.....	305.91	305.91	8.0
Bridge House.....			
Raised Q. Dk.....			
Poop.....	38.75	38.75	8.0
Total	344.66	344.66	8.948
Length of Ship	385.16		
Corresponding percentage (Para. 11, 12, 13, or 14)	84.44%		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—

Fresh Water Line above centre of Disc **7. W. 7" 19/10/25**

Indian Summer Line " " " **5 1/2**

Winter Line below " " " **5**

Winter North Atlantic Line " " " **5 1/2**

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

MARKING FORM RECEIVED 16 OCT 1925

MARKING FORM RECEIVED 17 FEB 1925

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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House? *-and* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bull angle 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 *6 hinged steel doors, 5'0" x 2'1", + 18" steel coaming*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *✓*
 Give particulars of the means for closing the openings in Bulkhead *✓*
 What is the thickness of the Bridge Front plating? *✓* and Coaming plate? *✓*
 Give scantlings and spacing of the Stiffeners *✓*
 Are bracket plates fitted at each end of the Stiffeners? *✓* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *✓*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *2 openings 5'0 1/2" x 3'0 1/2" with shifting boards full height in welded channel*
2 hinged steel doors 5'0" x 2'1", + 18" coaming. Also one steel hinged insulated door 3'0" x 2'0"
 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? *✓*
 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? *8'0"* 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*

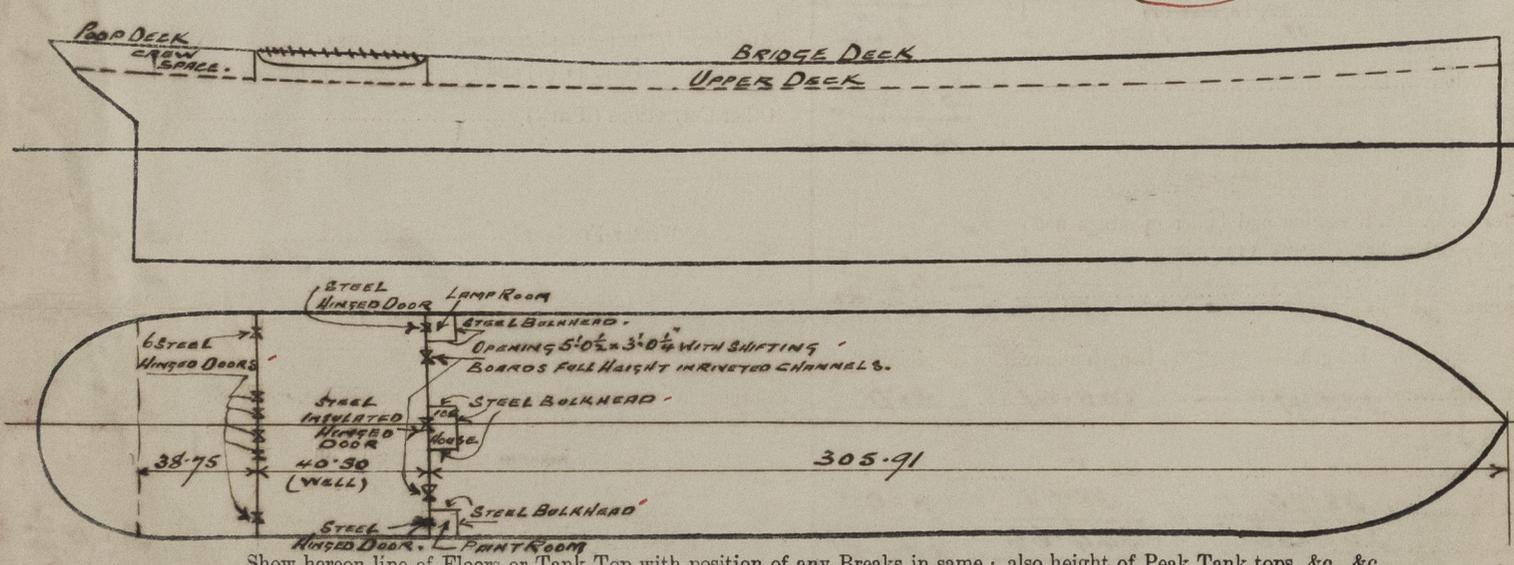
Position and Size.	No. 1 - 31'6" x 24'0"		No. 2 - 31'6" x 24'0"		No. 3 - 24'9" x 20'0"		No. 4 - 33'9" x 24'0"		No. 5 - 31'6" x 24'0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	(Well) Ship.	Rule.
COAMING. Height above top of DECK	36	APPROVED	36	APPROVED	36	APPROVED	36	APPROVED	48	APPROVED
Thickness	Sides	44	44	44	44	44	44	44	44	44
	Ends	44	44	44	44	44	44	44	44	44
SHIFTING BEAMS OR WEB PLATES.	Number	6	6	6	6	5	5	6	6	6
	Section and Scantlings	5 1/2 x 3 1/2 x 46 O.A.	5 1/2 x 3 1/2 x 46 O.A.	SAME AS NO. 1.		5 1/2 x 3 1/2 x 46 O.A.	5 1/2 x 3 1/2 x 46 O.A.	5 1/2 x 3 1/2 x 46 O.A.	5 1/2 x 3 1/2 x 46 O.A.	5 1/2 x 3 1/2 x 46 O.A.
	Material	STEEL	STEEL	STEEL		STEEL	STEEL	STEEL	STEEL	STEEL
* FORE AND AFTERS.	NO FORE & AFTERS.									
HATCHES Thickness	3"	2 1/2"	3"	2 1/2"	3"	2 1/2"	3"	2 1/2"	3"	2 1/2"
Remarks	SATISFACTORY.									

* 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. (Crew in Poop)
 Length of Bulwarks in well (AFT) *40'50" x 4'0" HIGH.*
 Area of Freeing Ports required by Para. 11 (*) each side of vessel = *10.55 / 16.20* Sq. ft.
 (DUAL ENDS) *4'0" x 1.66 x 3* } Freeing Ports (each side of vessel) = *18.09 / 18.09* Sq. ft. *Class only*
 Total deficiency or excess = *7.54 / 1.89* 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 *There are no special features.*
 Builder's name and yard number *Messrs Barham & Sons, No 258.*
 Names of sister vessels *✓*
 Owners *Llangorse Steamship Co. Ltd. Radcliffe (Edwin Thomas) & Co.*
 Address *Baltic House, Mount Stuart Square, Cardiff.*

Fee £ *10* Received by me *Copies of approved plans are in the London Lloyd's Register Foundation*
Will be charged on completion