

Lloyd's Register of British & Foreign 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 CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Greenock.
Date of Survey while building.
Name of Surveyor A.W. MacRae.

Shell deck vessel with tonnage opening aft. 14' 0" x 4' 0"

Ship's Name. "BALBOA"
Port of Registry and Nationality. Manchester
Official Number. 135357
Gross Tonnage. 1579
Date of Build. Building 1913
Particulars of Classification. 10091. Shell deck with freeboard (class contemplated).
Number in Register Book Murdoch & Murray's No 253

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	265.5	38.65	16.75	1325.31

Length on LOADLINE.	Frame Depth	Ceiling	Peak
265.5	Rule 7/2	fitted	Tanks

CORRECTED DIMENSIONS.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	265.5	38.23	17.65	1325.31

Co-efficient of fineness..... 7408
Any modification necessary {
[Para. 4 (a) to (e)]* -02. for C.D.B.
Co-efficient as corrected 7208 day 72 ✓

Sheer { Stem..... 82 } $127 \div 2 = 63.5$ Mean 36.55
at { Sternpost ... 45 } 36.55

Sheer at $\frac{1}{8}$ of the length from { Stem 48 } $76 \div 2 = 38$ Mean
{ Sternpost 28 } 38

Gradual mean Sheer 69.09

Standard mean Sheer [Table, Para. 18] 36.55 Correction 43

Difference..... 29.54 $\div 4 = -7.38$

§ If limited as Para. 18 (f)..... 29.74 day - 72

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

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 1 - 0.83

Correction for Length, if required (Para. 12, 13, and 14)

Freeboard by Table A, corrected for sheer, and for length, } 2' 9 3/4
if required (Para. 12, 13, and 14) 2 - 9.73

Difference 1 - 8.90

Percentage as below..... 94.10

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

Allowance for Deck Erections 1' 7 3/4

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Allowance for Deck Erections 1' 7 3/4

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

Moulded Depth as measured..... 18' 11"

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..... 265.5
Length in Table 227.0
Difference 38.5
Correction for 10ft., Table A. 1.1 Table C. ✓
× Difference divided by 10 4.23 (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 2.11 day + 2

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered 3 1/2
Thickness of usual wood deck, less stringer 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 38
Round of Beam 9 3/4
Normal round..... 4
Difference $\div 2 =$
Proportion of Deck uncovered (Para. 19)

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

Freeboard, Table A 3' 5 1/4"
Correction for Sheer 2' 9 3/4"
Correction for Length 2' 11 3/4"
Allowance for Deck Erections 1' 7 3/4"

Correction for Round of Beam..... ✓

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) ‡

Other Corrections (if any) ✓

Winter Freeboard 11 1/2" 1' 0 1/2"

Summer Freeboard 8 1/2" 0' 9 1/2"

Indian Summer Freeboard ✓ 0' 6 1/2"

N. A. Winter Freeboard 11 1/2" 1' 2 1/2"

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 1/2"

Winter Freeboard from deck line 1' 2' 2"

Summer " " " " 0' 11' 11"

Indian Summer " " " " 0' 8"

N. A. Winter " " " " 1' 3' 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 1/2"

Winter Freeboard from deck line 1' 2' 2"

Summer " " " " 0' 11' 11"

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Q 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 about amidships the height of the B.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 tricing port, if any, 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 height of draft forward and aft, should be reported.

MARKING FORM

RECEIVED 19 OCT 1923

MARKING FORM

RECEIVED 28 OCT 1923

PTO

Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck *yes* Bridge House *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Bulk 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 *no openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *yes* 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? *Complete shelter deck*
 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? *storm boards full height fitted in channels riveted to bulkhead*
 Is the Forecastle at least as high as the main or top-gallant rail? 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 shelter deck*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes*
 Give thickness of plating; scantlings and spacing of Stiffeners.
 What is the height of the exposed Casings? 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. 17' 7" x 13' 11 1/2"		No. 2. 21' 6" x 14' 0"		No. 3. 19' 6" x 13' 11 1/2"		No. 4. 15' 7" x 13' 10 1/2"		Tonnage Opening 4' 0" x 4' 0" wide	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	30"	18"	30	18"	30	18"	30	18"		
	Sides	40	40	44	44	44	44	40	40		
	Ends	40	36	40	40	40	40	36	36		
SHIPPING BEAMS OR WEB PLATES	Number	3		4		3		2		<i>efficient means provided for temporarily closing opening</i>	
	Section and Scantlings	<i>3 1/2 x 40 1/2 x 34</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>3 1/2 x 40 1/2 x 34</i>	<i>do</i>	<i>3 1/2 x 40 1/2 x 34</i>	<i>do</i>		
	Material	<i>Steel</i>				<i>Steel</i>		<i>Steel</i>			
* FORE AND AFTERS	Number	✓									
	Section and Scantlings	✓									
	Material	✓									
HATCHES Thickness		3"	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	3"	<i>do</i>
Remarks		<i>Solid</i>								<i>Solid</i>	

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the table, 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? *5/8"* Strake between Main and Bridge Sheerstrakes? *50"*

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

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

Ft. Tenths. Ft. Tenths. No.

x x

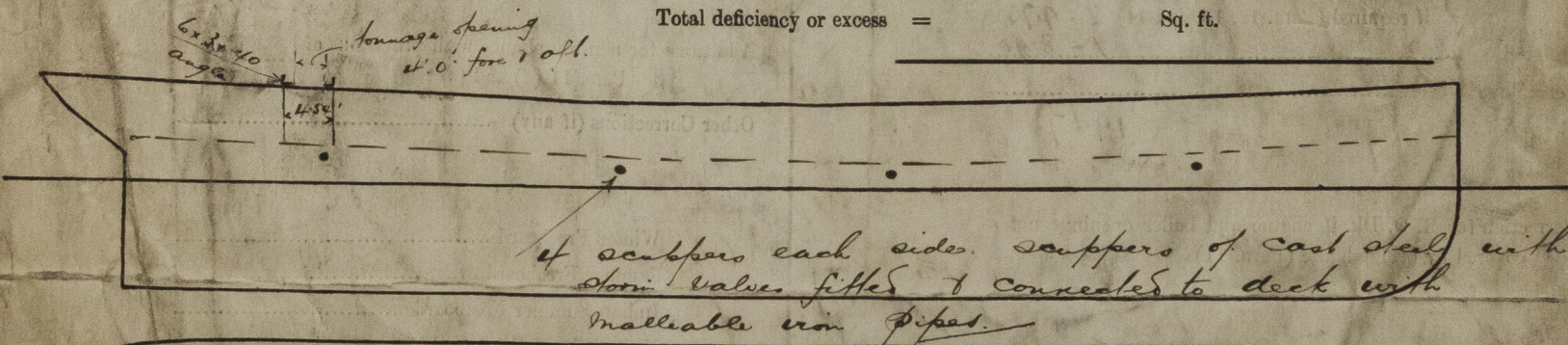
Freeing Ports (each side of vessel) =

Sq. ft.

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 *Complete shelter deck vessel, see preliminary*
fed. rpt. G/L No 16196 & Secy's letter M. 19/3/12. The approved midship
section & profile plans are enclosed for reference.

Owners

Address

Fee £

Received by me



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