

Coln
New "Bollan"
Luis Peral

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

22282

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

Port of Survey *hewcastle on Tyne*
Date of Survey *under survey*
Name of Surveyor *J. Selles*

Bluff L.B. & Co. No 168

Ship's Name. <i>Luis Peral</i>	Port of Registry and Nationality. <i>Bristol British</i>	Official Number. <i>127100</i>	Gross Tonnage. <i>1457</i>	Date of Build. <i>1912</i>	Particulars of Classification. <i>100 ft. Contemplated and deck</i>
Number in Register Book <i>652</i>					

Registered dimensions from Ship's Register.	LENGTH. <i>240</i>	BREADTH. <i>36.15</i>	DEPTH. <i>20.1</i>	UNDER DECK TONNAGE. <i>1294.78</i>
Length on LOADLINE.	<i>240</i>	Frame Depth Rule <i>5 1/2</i>	Ceiling fitted Sheer <i>filled</i>	Peak Tanks
CORRECTED DIMENSIONS.	<i>240</i>	$\frac{1}{2} \times 2 = .08$	<i>Tank Level</i>	<i>1294.78</i>

Moulded Depth as measured *22' - 2"*
Wood deck less stringer = 3 1/2
22 - 11 = 11
11 - 9 1/2 = 1 1/2
20 - 1 1/2 = 18 1/2
21 - 10 1/2

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

Co-efficient of fineness.....
 Any modification necessary [Para. 4 (a) to (e)]* *Block*
 Co-efficient as corrected *.49 from vessels lines*

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<i>240.0</i>
Length in Table	<i>262.5</i>
Difference	<i>22.5</i>
Correction for 10ft., Table A.	<i>1.2</i> Table C. <i>.6</i>
× Difference divided by 10	<i>2.70</i> (if required.) <i>1.35</i>
If 1/10ths length covered divide by 2	<i>- 2.70</i> <i>- 1.35</i>

Sheer { Stem..... } ÷ 2 = ...Mean
 at { Sternpost ... }
 Sheer at 1/3 of the length from { Stem } ÷ 2 = ...Mean
 Sternpost *See Buoyancy*
 Gradual mean Sheer *Calculation*
 Standard mean Sheer [Table, Para. 18] Correction
 Difference..... ÷ 4 =
 § If limited as Para. 18 (f).....

CORRECTION FOR IRON DECK.
 Proportion covered, if less than 1/10ths length covered
 Thickness of usual wood deck, less stringer
Allowed in Reduced Moulded depth.

Rise in Sheer { At front of bridge house..... }
 from amidships { At after end of forecastle }
 [Para. 18 (e)]
 ¶ Fall in Sheer { } ÷ 2 =
 Para. 18 (d) { }
 Length uncovered Correction

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships.....
 Round of Beam *9"*
 Normal round..... *9"*
 Difference ÷ 2 =
 Proportion of Deck uncovered (Para. 19) ✓

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<i>(.49 Coeff.)</i>	<i>1 - 9.50</i>
Correction for Length, if required (Para. 12, 13, and 14)		<i>1.35</i>
<i>0.49 Coeff (4 - 6.25 - 2.40)</i>		<i>1 - 8.15</i>
Freeboard by Table A, corrected for shear, and for length, if required (Para. 12, 13, and 14) }		<i>4 - 3.65</i>
Difference		<i>2 - 4.40</i>
Percentage as below.....		<i>4.05%</i>
	<i>2.21</i>	<i>2.21</i>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }		
Allowance for Deck Erections		<i>- 2.21</i>

Freeboard, Table A }	<i>5' - 8.66</i> ✓
Correction for Sheer <i>See Buoyancy</i>	<i>Calculation</i>
Correction for Length	<i>- 2.70</i> ✓
Allowance for Deck Erections	<i>5 - 5.96</i> ✓
	<i>- 2.21</i> ✓
	<i>5 - 3.75</i> ✓
Correction for Round of Beam.....	
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required) <i>allowed in h. depth.</i>	
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any) <i>Scantlings & Construction</i>	<i>+ 1 - 2</i> ✓
<i>and form of upper part of section</i>	<i>6 - 5.75</i> ✓

Length.	Length allowed.	Height.
Forecastle..... <i>27' 8" (see sketch)</i>	<i>27.6</i>	<i>7 - 6"</i>
Bridge House	<i>28.36</i>	
† Raised Qr. Dk.....		
Poop..... <i>15.10</i>	<i>15.83</i>	<i>6 - 9.</i>
Total	$\frac{44.19 \times 8}{240} = 1.44$	<i>eights</i>
Length of Ship	<i>240</i>	
Corresponding percentage (Para. 11, 12, 13, or 14) }	$11.46 \times \frac{6}{10} = 4.05\%$	

Winter Freeboard	<i>6 - 5 3/4</i> ✓
Summer Freeboard	<i>6 - 3 1/4</i> ✓
Indian Summer Freeboard	<i>6 - 0 3/4</i> ✓
N. A. Winter Freeboard	<i>6 - 4 3/4</i> ✓
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood and iron deck with side. }	<i>+ 1 1/2</i> ✓
Winter Freeboard from deck line	<i>6 - 4 1/4</i> ✓
Summer " " " "	<i>6 - 4 1/4</i> ✓
Indian Summer " " " "	<i>6 - 2 1/4</i> ✓
N. A. Winter " " " "	<i>6 - 9 1/4</i> ✓
Freeboard recommended amidships from centre of Disc to top of Statutory Deck Line, (Iron) Deck:—	
Fresh Water Line above centre of Disc	<i>6 - 4 1/2</i>
Indian Summer Line " " " "	<i>4</i>
Winter Line below " " " "	<i>2 1/2</i>
Winter North Atlantic Line " " " "	<i>2 1/2</i>
	<i>4 1/2</i>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Iron) Deck:—
 Fresh Water Line above centre of Disc
 Indian Summer Line " " " "
 Winter Line below " " " "
 Winter North Atlantic Line " " " "

‡ 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

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 the usual load draft forward and aft should be reported.

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27-8-12

RECEIVED
27.8.12

RECEIVED 9 FEB 1922
RECEIVED 12 SEP 1912

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? *B.S. frames no reverse frames*
 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 *Riveted channels & storm boards*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Yes*
 What is the thickness of the Bridge Front plating? *Yes* and Coaming plate? *Yes*
 Give scantlings and spacing of the Stiffeners *Yes*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* 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? *Yes*
 Is the Forecastle at least as high as the main or top-gallant rail? *7'-6"* Has the Forecastle an efficient Iron ~~or Wood~~ Bulk'd. at after end? *Yes*
 Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Strong steel deck house*
 Are openings not so protected are the exposed parts of the Casings efficiently constructed? *Yes*
 Give particulars of plating; scantlings and spacing of Stiffeners *Casing plates 30x30 Coamings 36 & 34 Stiffs 3 1/2 x 3 x 3 4*
 What is the thickness of the exposed Casings? *7'-3"* Are suitable means provided for closing all openings in them in bad weather? *Yes*
 Are Hatchways efficiently constructed and at least equal to the Section 28 of the Rules for 1904-5? Give particulars below:— *Yes*

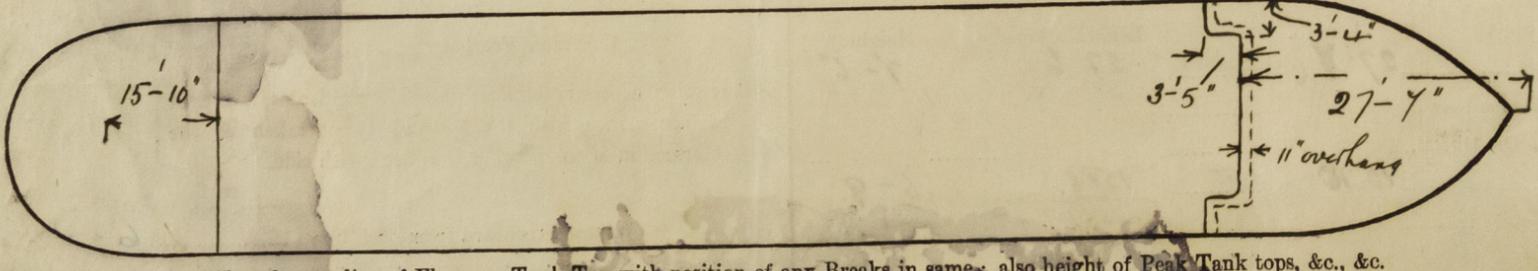
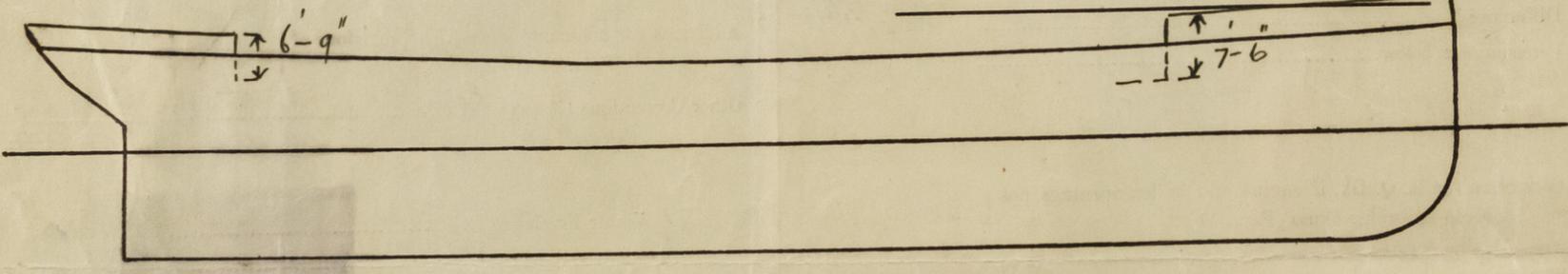
Position and Item	No 1 / 19'-2" x 15'-11"		No 2 / 21'-11" x 17'-11"		No 3 / 22'-11" x 17'-11"		No 4 / 22'-11" x 15'-11"		Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
COAMING	Height above top of DECK	30"	30"	30"	30"	30"	30"			
	Thickness	Sides 4 1/4 Ends 4 0	Sides 4 1/4 Ends 4 0	Sides 4 1/4 Ends 4 0	Sides 4 1/4 Ends 4 0	Sides 4 1/4 Ends 4 0	Sides 4 1/4 Ends 4 0			
SHIFTING BEAMS OR WEB PLATES	Number	3	4	4	4	4	4			
	Section and Scantlings	angle 4x3x40 Plate 3/4 19" Centre depth 1 1/2" Sides	angle 4x3x40 Plate 3/4 Centre 18" deep Sides 1 1/2"	angle 4x3x40 Plate 3/4 Centre 21 1/2" deep Sides 1 1/2"	angle 4x3x40 Plate 3/4 Centre 21 1/2" deep Sides 1 1/2"	angle 4x3x40 Plate 3/4 Centre 19 1/2" deep Sides 1 1/2"	angle 4x3x40 Plate 3/4 Centre 19 1/2" deep Sides 1 1/2"	angle 4x3x40 Plate 3/4 Centre 19 1/2" deep Sides 1 1/2"		
* FORE AND AFTERS	Number	None	None	None	None	None	None			
	Section and Scantlings	None	None	None	None	None	None			
HATCHES	Thickness	3"	3"	3"	3"	3"	3"			
	Remarks	Pine	Pine	Pine	Pine	Pine	Pine			

* 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 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.
 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 report refers to Messrs The Blyth S.B. & S.D. Co Ltd No 168 being built on the Ayre Ballard type of construction. The approved plans, Midship Section & Profile also displacement drawing are forwarded herewith, together with certificate for dimensions checked at vessel.*

Owners _____
 Address _____
 Fee £ _____

Received by me _____

