

Rpt. 11b.

BT. COPY WRITTEN. 29495

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

31477

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 NEWCASTLE-ON-TYNE
Date of Survey 21st October 1924
Name of Surveyor J. Macdonald.

"TACITO" Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>Northumberland S.B. Co. Ltd No 264</u>	<u>Buenos Aires, Argentine.</u>	<u>✓</u>	<u>1924</u>	<u>1924</u>	<u>100A1 "Carrying petroleum in bulk longitudinal framing" (contemplated)</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>430.0</u>	<u>57.0</u>	<u>33.15</u>	<u>6356.15</u>
Length on LOADLINE.	<u>430.0</u>	MEAN Frame Depth <u>10 1/2</u> Rule " <u>7</u> Sheer <u>3 1/2</u> No <u>- .58</u> Spanning <u>+ .33</u>	No Ceiling <u>+ .20</u> Peak Sheer <u>+ .43</u> Tanks	Peak Tanks
CORRECTED DIMENSIONS.	<u>430.0</u>	<u>56.75</u>	<u>33.75</u>	<u>6418.15</u>

Moulded Depth as measured..... 33'-6"

Addition for Keel below base line for draught record..... 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.....	<u>430</u>
Length in Table	<u>402</u>
Difference	<u>28</u>
Correction for 10ft., Table A.	<u>1.7</u> Table C. <u>8</u>
× Difference divided by 10	<u>4.76</u> (if required.) <u>2.24</u>
If 1/10ths length covered divide by 2	<u>+ 4 3/4</u> <u>+ 2 1/4</u>

Co-efficient of fineness..... .778

Any modification necessary (a) to (e)* + .01 Bottom longitudinal

Co-efficient as corrected..... .788 .79

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>.428</u>
Thickness of usual wood deck, less stringer	<u>3 1/2</u> <u>- 1 1/2</u>

Sheer { Stem..... 114 } 152.25 ÷ 2 = 76.12 Mean 3615.63 .43
 at { Sternpost ... 38 1/2 }

Sheer at 1/2 of the length from { Stem 58 1/4 } 75.5 ÷ 2 = 37.75 Mean
 { Sternpost 17 1/4 }

Gradual mean Sheer 68.63 .65 = 68.63

Standard mean Sheer [Table, Para. 18] 53.0 Correction

Difference..... 15.63 ÷ 4 = 3.91

§ If limited as Para. 18 (f) - 4"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>52'-9"</u>
Round of Beam	<u>13 1/2</u>
Normal round.....	<u>13.19</u> <u>13 1/2</u>
Difference	<u>31 1/4 ÷ 2 = .15</u>
Proportion of Deck uncovered (Para. 19)	<u>.572</u> <u>.08</u>

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

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

Length uncovered Correction

Freeboard, Table A	<u>9'-1 1/2"</u>
Correction for Sheer	<u>- 4</u>
Correction for Length	<u>8-9 1/2</u>
Allowance for Deck Erections	<u>+ 4 3/4</u>
Correction for Round of Beam.....	<u>9-2 1/4</u>
Correction for fall in Sheer (if any).....	<u>- 10</u>
Correction for Iron Deck (if required)	<u>8-4 1/2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>✓</u> <u>8-2 3/4</u>
Other Corrections (if any)	<u>✓</u>

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>5-10 3/4</u>
Correction for Length, if required (Para. 12, 18, and 14)	<u>+ 2 1/4</u>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 18, and 14) }	<u>6-1</u>
Difference	<u>9-2 1/4</u>
Percentage as below.....	<u>3-1 1/4</u> <u>26.96</u>

Winter Freeboard	<u>8-2 3/4</u>
Summer Freeboard	<u>6"</u> <u>7-8 3/4</u> <u>3/4</u>
Indian Summer Freeboard	<u>7-2 3/4</u> <u>3/4</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>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }	<u>10'05</u>
Allowance for Deck Erections	<u>- 10"</u>
Length of Ship	<u>430</u>
Corresponding percentage (Para. 11, 12, 18, or 14) }	<u>26.96%</u>

Winter Freeboard from deck line	<u>8-4 1/2</u>
Summer " " "	<u>7-10 1/2</u> <u>1/2</u>
Indian Summer " " "	<u>7-4 1/2</u>
N. A. Winter " " "	<u>✓</u>
Freeboard recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-	<u>7-10 1/2</u> <u>7-10 1/2</u>
Fresh Water Line above centre of Disc	<u>6 1/2</u> <u>6 1/2</u>
Indian Summer Line " " "	<u>6"</u> <u>6"</u>
Winter Line below " " "	<u>6"</u> <u>6"</u>
Winter North Atlantic Line " " "	<u>6"</u> <u>6"</u>

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

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o 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 stern-post. 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 relative to the straight line of keel or to the water line. If measured relatively to water line the time of survey, and also the usual load draft forward and aft, should be reported.



Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? Bridge House? Forecastle?

To what height do the Reverse Frames extend? Longitudinal 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 Two hinged W.T. steel doors.

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? .44 and Coaming plate? .46

Give scantlings and spacing of the Stiffeners 10 x 3 1/2 x .58 bulb angles spaced 38" apart

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? 2 hinged W.T. doors fore with wood shifting boards in permanent channels, full height

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?~~ yes

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?

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.		W.P. 1-10'-8" x 9'-0" and oiltight hatchways.									
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK		.30"									
Thickness	Sides.....	.44									
	Ends.....	.44									
SIFTING BEAMS OR WEB PLATES.	Number.....	one									
	Section and Scantlings.....	11 1/4 - 11 - 30									
	Material.....	11 1/2 - 3 1/2 - 4 1/2									
* FORE AND AFTERS.	Number.....	nil									
	Section and Scantlings.....										
	Material.....										
Thickness.....		2 1/2									
Remarks.....		lying fore aft									

* 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? _____

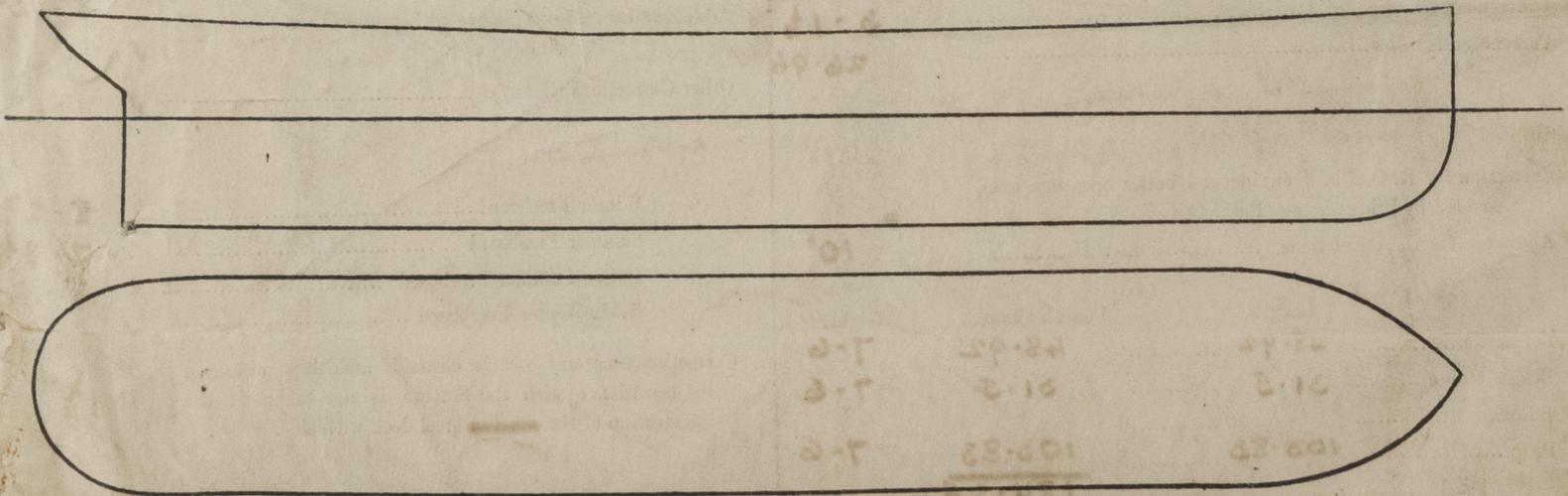
Delete the words The Crew are, are not, berthed in the bridge house. Crew in poop.
 that do not apply The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well (forward) 126'-6", (aft) 119'-3"

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.
Forward	57.5	x	0.5	x	-	
aft	47.2	x	0.5	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 Longitudinal framing

Builder's name and yard number Northumbland S. B. Co. Ltd No. 264.

Names of sister vessels Fairfield S. B. Co. No. 604.

Owners Compania General de Combustibles

Address Buenos Aires

Estimated Fee £ 10 : 0 Received by me See T.B. Report.

