

Lloyd's Register of Shipping SURVEYS FOR FREEBOARD.-STEAM SHIPS.

B.T. COPY WRITTEN.

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 Trieste Date of Survey whilst building Name of Surveyor M. Micalich & M. Costantini

Table with columns: Ship's Name (ASTRA III), Port of Registry (Buenos Aires), Official Number, Gross Tonnage (5553.11), Date of Build (1928), Particulars of Classification (contaminated + 100 AI, Carrying Petroleum in Bulk)

Table with columns: Registered dimensions from Ship's Register, Length (123'00), Breadth (16'80), Depth (8'94), Under Deck Tonnage (4782)

Table with columns: Moulded Depth as measured (30'-0"), Addition for Keel below base line for draught record (1 1/2 inches), CORRECTION FOR LENGTH (Length of Ship on Loadline 395.0', Length in Table 360.0', Difference 35.0')

Co-efficient of fineness .756, Any modification necessary [Para. 4 (a) to (e)]* .24, Co-efficient as corrected .76

Table with columns: CORRECTION FOR IRON DECK (Proportion covered, if less than 7/10ths length covered .459, Thickness of usual wood deck, less stringer 3 1/2")

Sheer (Stem 7.2" at Sternpost 44") / 2 = Mean 18.21:36 / 506', Sheer at 1/4 of the length from Stem 21.2 / Sternpost 12.75 / 2 = Mean 31.29:47, Standard mean Sheer [Table, Para. 18] 49.50, Difference 18.21 / 4 = 4.55, § If limited as Para. 18 (f) + 4 1/2"

Table with columns: CORRECTION FOR ROUND OF BEAM (Breadth at Gunwale amidships 54.08, Round of Beam 1.11, Normal round 1.08:12, Difference .03:01 / 2 = .015, Proportion of Deck uncovered (Para. 19) ✓)

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

Table with columns: Freeboard, Table A 7'-6", Correction for Sheer + 4 1/2", Correction for Length + 5 1/4", Allowance for Deck Erections - 1'-1", Correction for Round of Beam ✓, Correction for fall in Sheer (if any) ✓, Correction for Steel Deck (if required) - 1 1/2", Additions for non-compliance with provisions of Para. 11 (d) and (e) † ✓, Other Corrections (if any) ✓

ALLOWANCE FOR DECK ERECTIONS :- Freeboard, Table C 4'-4 1/2", Correction for Length, if required (Para. 12, 10, and 11) + 2 3/4", Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 10, and 11) 4'-7 1/4", 8'-3 3/4", Difference 3'-8 1/2", Percentage as below 29.13%

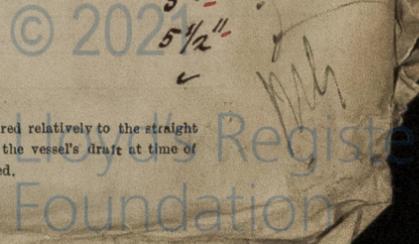
Table with columns: Winter Freeboard 7'-1 1/4", Summer Freeboard (42-6) 5/4 6'-8", Indian Summer Freeboard 6'-2 3/4", N. A. Winter Freeboard 7'-3", Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side + 1 3/4"

Table with columns: Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓, Allowance for Deck Erections 1'-1", Length, Length allowed, Height: Forecastle 41.40 / 40.19 / 7.5', Bridge House 2.33 / 1.16 / 7.5', overhang aft 33.75 / 33.75 / 7.5', Raised Qr. Dk. 1.75 / 1.75 / 7.5', overhang forward 1.66 / 1.66 / 7.5', Poop 103.75 / 103.75 / 7.5', Total 181.43 / 395.00 = .459

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

Table with columns: Winter Freeboard from deck line 7'-3", Summer " " " 6'-9 3/4", Indian Summer " " " 6'-4 1/2", N. A. Winter " " " 6'-9 1/2", 6", 5", 5 1/2"

§ 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.



Do all the Frames extend to the top height in the Poop? *Long. Frames* Raised Quarter Deck? Bridge House? *Long. frames* Forecastle? *Long. frames*
 To what height do the Reverse Frames extend? *Long. B. A. 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 *no openings*
 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 *3 strong steel w.t. doors*
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners. *B. A. 10" x 3 1/2" x .54 spaced @ 33"*
 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 steel w.t. doors & 2 steel hinged doors*
 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? *covered by Poop*
 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? 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*

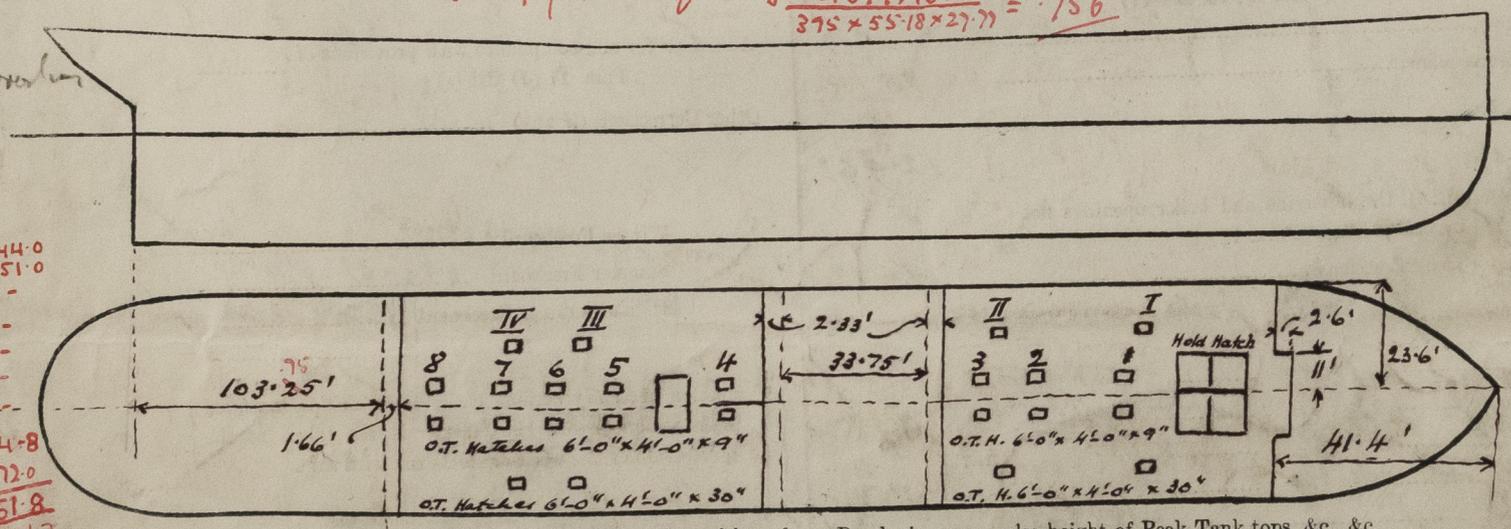
Position and Size.	No. 1-2-3-4-5-6-7-8 6'-0" x 4'-0"		Nos I-II-III-IV 6'-0" x 4'-0"		Ship.	Rule.	Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.				
COAMING	Height above top of DECK	30"	9"	30"				
	Thickness	Sides.....	.44	.44				
		Ends.....	.44	"	.44			
SHIFTING BEAMS OR WEB PLATES.	Number	filled inboard one						
	Section and Scantlings	3x3x.40	✓	3x3x.40	✓			
	Material	steel		steel				
* FORE AND AFTERS.	Number	filled continuous one						
	Section and Scantlings	3x3x.40	✓	3x3x.40	✓			
	Material	steel		steel				
HATCHES Thickness		2 1/2"	.64 Steel Plate covers reinforced by bars	.64 Steel Plate covers reinforced by bars				
Remarks.....		wood						

* 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.)
 No side lights to affect position of disc
 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? _____

File. 38.80
Sidecham 2-6x12.6 = 1.39
 22.6 = 40.19
Bridge 33.75
Overhang 2.33 = 1.16
 1.75 = 36.66
Loop 103.75
 .831 = 104.58
Sheer
 AP 44 1 44.0
 1/8 12.75 4 51.0
 1/4 - 2 -
 3/8 - 4 -
 1/2 - 2 -
 5/8 - 4 -
 3/4 - 2 -
 7/8 21.2 4 84.8
 FP 72 1 72.0
 8 251.8
 mean wd 31.47

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. } Freeing Ports = _____ Sq. ft.
 (each side of vessel)
 Total deficiency or excess = _____ Sq. ft.
Tonnage coefficient assuming ordinary floors throughout

$$\frac{4579 \times 100}{375 \times 55.18 \times 27.71} = .756$$



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 & bracket less System*
 Builder's name and yard number *C.N.T. No 186.*
 Names of sister vessels _____
 Owners *Compañía Argentina de Petrolas S.A.*
 Address *Buenos Aires.*
 Fee *102.0* Received by me _____
 * The under deck tonnage used on the computation of the coefficient of fineness has been calculated by the builders on the assumption that ordinary floors 34" deep & 6 1/2" frames were fitted in conjunction with 2" ceiling & cargo battens.

