

11b.
11b.
Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. **28860**
(For London Office only.)
BURAO Report
Nº 5987.

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 **Bellin**
Date of Survey **13th April 1922**
Name of Surveyor **W. H. M. Lida**

Ship's Name **Nº 18 ship of the Spanish Armada**
San Carlos
S. S. CAAO ROCHE
Number in Register Book
Port of Registry and Nationality. **Seville**
Spain
Official Number. **✓**
Gross Tonnage. **2776**
Date of Build. **1922**
Particulars of Classification. **San Carlos**
+ 100 MT Ammunition and fuel.

Registered Dimensions from Ship's Register.
Length on Loadline.
Corrected Dimensions.
Length. **280.02**
Breadth. **41.83 mld.**
Depth. **12.750 m.**
Under Deck Tonnage. **2312**
Frame Depth **12.750 m.**
Ceiling **12.750 m.**
Peak **12.750 m.**
Tanks **12.750 m.**
Rule **12.750 m.**
Sheer **12.750 m.**
Correction **12.750 m.**

Moulded Depth as measured. **26.74 = 8.45**
18.76 = 5.72
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.

18-9.12
10.43
19-7.55
3-0.5
16-7.05
7-11.75
24-6.8

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... **280.02**
Length in Table **320.87**
Difference **40.85**
Correction for 10ft., Table A. **14** Table C. **0.7**
× Difference divided by 10 **5.72** (if required.) **2.86**
If $\frac{1}{10}$ ths length covered divide by 2 **-5.74** **-2.86**

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered **4.14**
Thickness of usual wood deck, less stringer **3.12**

-1.12

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **12.950 = 41.83**
Round of Beam **26.74 = 10.43**
Normal round..... **10.45**
Difference **1.12**
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 **6-3.14**
Correction for Sheer **✓**

Correction for Length **-5.74**
Allowance for Deck Erections **5-9.12**
Correction for Round of Beam..... **5-0.36**

Correction for fall in Sheer (if any)..... **✓**
Correction for Iron Deck (if required) **-1.12**
Additions for non-compliance with provisions of Para. 11 (d) and (e) **4-11.14**

Other Corrections (if any)

Winter Freeboard **4-11.14**
Summer Freeboard **4-6.34**
Indian Summer Freeboard **4-2.14**
N. A. Winter Freeboard **5-1.14**

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. **1.14**

Winter Freeboard from deck line **5-1**
Summer " " " " **4-8.12**
Indian Summer " " " " **4-4**
N. A. Winter " " " " **5-3**

Freeboard recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck **4-8.12**
Fresh Water Line above centre of Disc **5.12**
Indian Summer Line " " " " **4.12**
Winter Line below " " " " **4.12**
Winter North Atlantic Line " " " " **6.12**

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside ceiling should be reported if possible.
The height of the R.Q.D. is to be taken from the level of the top of the amidships beam.
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 also the usual load draft forward and aft should be reported.

004321-004325-0100

Do all the Frames extend to the top height in the Poop? *Yes*
To what height do the Reverse Frames extend? *Ball angle from (Run from engine and boiler spaces only)*
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 side light 300 1/2 dia (Strong frame and glass)*
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 *6 side light 350 1/2 dia with strong frame and glass also 2 steel hinged doors 1' 8" x 1' 8" secured by butterfly nut and bolt on for plan approved 7/12/21. Angle iron*
What is the thickness of the Bridge Front plating? *8 1/2 7/16" and Coaming plate? 9 1/2 7/16"*
Give scantlings and spacing of the Stiffeners *Ball angle 205 x 85 x 13 7/8 spaced 725 to 600 apart.*
Are bracket plates fitted at each end of the Stiffeners? *Yes*
Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
How are the openings closed? *4 side light 300 dia with strong frame and glass and 2 steel hinged doors 1' 8" x 1' 8" secured by butterfly nut and bolt on for plan approved 7/12/21. Angle iron*
Is the Forecastle at least as high as the main or top-gallant rail? *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? *Steel hinged*
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:—

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
Item.	7.140 x 3.660	9.520 x 3.660	7.140 x 3.660	7.140 x 3.660	7.140 x 3.660	7.140 x 3.660	7.140 x 3.660
COAMING.							
Height above top of DECK	900	900	900	900	900	900	900
Thickness	12	12	12	12	12	12	12
SHIFTING BEAMS OR WEB PLATES.							
Number	5	5	5	5	5	5	5
Section and Scantlings	Angle 75 x 75 x 10	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch
Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
FORE AND AFTERS.							
Number	1	1	1	1	1	1	1
Section and Scantlings	Angle 75 x 75 x 10	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch	Same as No 1 hatch
Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
HATCHES Thickness	76	76	76	76	76	76	76
Remarks	3"						

* 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.
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 = Sq. ft.
Area of Freeing Ports required by Para. 11 (e) each side of vessel =
Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = Sq. ft.

