

SURVEYS FOR FREEBOARD.—STEAM SHIPS. 10310

Port of Survey *Belfast*
Date of Survey *White Building*
Name of Surveyor *J. Hodgson*

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
U.S.S. IRIS BANK Roman Clark (1928) Ship 510 Number in Register Book	Belfast British	161861	-	1930 ✓	100 AI. with freeboard class contemplated

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	426.45	57.4	25.75	4948.59
Length on LOADLINE.	425	Frame Depth 14 Rule " "	under hatch only Ceiling + 21 Sheer + 8 1/2 Top in Eng Room above Normal + 1.30	Peak } Included Tanks } Eng. Room. B.B above Normal. + 52.6
CORRECTED DIMENSIONS.	425	+ .33 56.48	+ 1.30 28.08	5031.19

Moulded Depth as measured..... $29-9\frac{1}{4}$.
 " as scribed

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

Addition for Keel below base line
for draught record.....✓.....inches.

Length of Ship on Loadline.....	425
Length in Table	357.25
Difference	67.75
Correction for 10ft., Table A.	1.5
× Difference divided by 10	10.16
If $\frac{1}{10}$ ths length covered divide by 2	5.08

Proportion covered, if less than $\frac{7}{10}$ ths length covered	
Thickness of usual wood deck, less stringer	

Breadth at Gunwale amidships..... 57.0
Round of Beam 13½
Normal round..... 14¼
Difference ¾ ÷ 2 = ⅜
Proportion of Deck uncovered (Para. 19)002

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

Freeboard, Table A	—	7- 3 1/4
Correction for Sheer	—	7 1/4
		6- 7 3/4 8"
Correction for Length	+	5-
		7- 0 7/4 1"
Allowance for Deck Erections	-	2- 4 1/4
		4- 8 3/4

Correction for Round of Beam..... ✓

Correction for fall in Sheer (if any)..... ✓

Correction for Steel Deck (if required)
4 - 5 $\frac{1}{4}$

Additions for non-compliance with provisions of {
 Para. 11 (d) and (e) ‡ { }
 Other Corrections (if any)

Winter Freeboard	11- 5 $\frac{1}{4}$ ✓
Summer Freeboard (4 $\frac{1}{2}$ " - 6 ") = 6 ✓	3- 11 $\frac{1}{4}$ ✓
Indian Summer Freeboard	3- 5 $\frac{1}{4}$ ✓
N. A. Winter Freeboard	

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. } $1\frac{3}{4}$

Winter Freeboard from deck line	4-7
Summer " " " "	4-9
Indian Summer " " " "	3-7
N. A. Winter " " " "	

BOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :—

[illegible]

ness, skin planking, or ceiling are of unusual thickness the breadth of vessel to lading should be reported if possible.

obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidship the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.

For vessels the total standard mean sheer means the sheer measured at the stem and stern, including poops and forecastles; it means the sheer measured at equal distant lengths from stem and stern.

The Surveyor should state whether the fall in shear as reported is measured relatively to the straight line of the vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

13309. Tons. 1 F.W. = $\frac{13309}{47.82 \times 40} = 6$

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *1b.*
 To what height do the Reverse Frames extend? *2nd Deck*
 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? *✓* 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? *✓*
 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? *Weather boards full height in raked channels*
 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? *✓*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Shelter Deck*
 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 *Plating .30 Stiffeners 3 1/2 x 2 1/2 x 34 @ 36" apart*
 What is the height of the exposed Casings? *8' above Shelter* 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: *As per Rule below.*

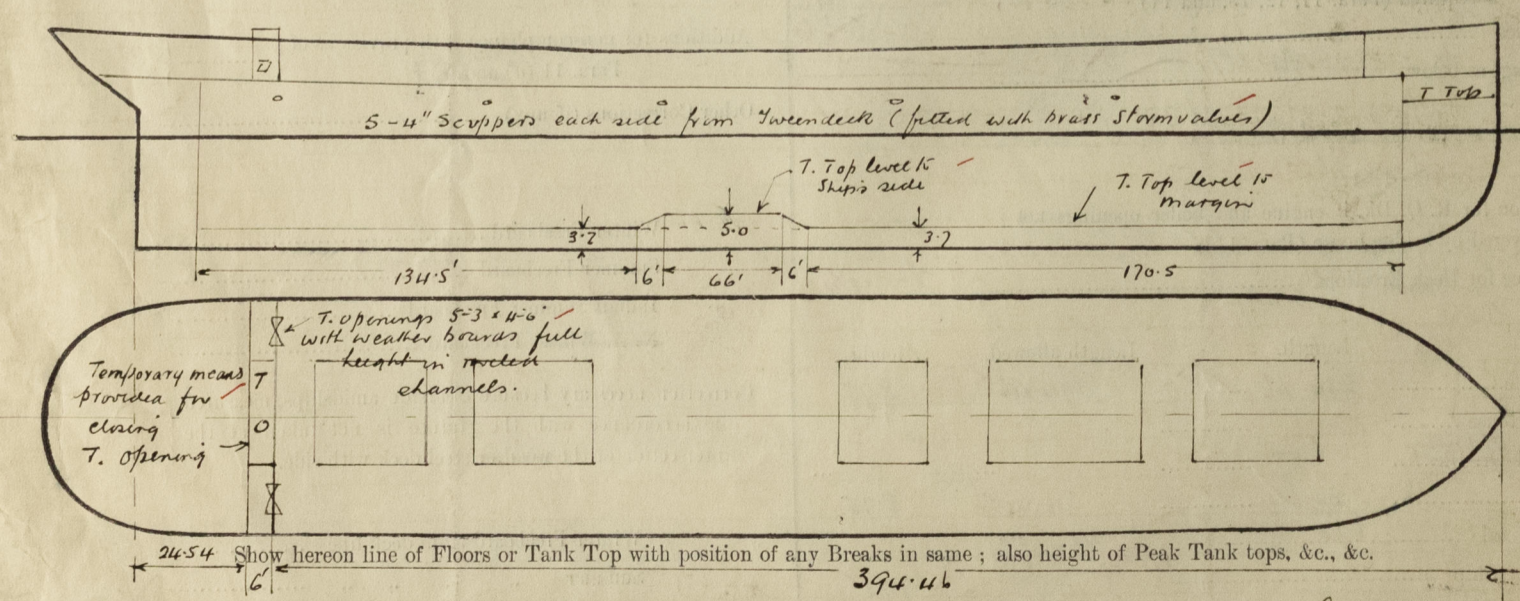
Position and Size.	N ^o 1 24'7 1/2 x 22	N ^o 2 30 x 22-6	N ^o 3 30 x 22	N ^o 4 33 x 22	N ^o 5 33 x 22	N ^o 1 24'7 1/2 x 22	N ^o 2 30 x 22	N ^o 3 16-6 x 22	N ^o 4 33 x 22	N ^o 5 33 x 22
Item.	Ship.	Rate. Ship	Ship.	Rate, Ship	Ship.	Rate. Ship	Ship.	Rate. Ship	Ship.	Rate, Ship
Height above top of DECK	33	33	33	33	33	9" BA	9" BA.	9" BA	9" BA	9" BA
COAMING Thickness	Sides.....	.114	.114	.114	.114	.110	.110	.110	.110	.110
	Ends.....	.114	.114	.114	.114	.110	.110	.110	.110	.110
SHIFTING BEAMS OR WEB PLATES.	Number	5	5	5	5	5	5	3	5	5
	Section and Scantlings	11 1/2 x 16 1/2 x 36	14 x 34	as for	15 1/2 x 35	as for	16 1/2 x 36	19 x 36.	16 1/2 x 36	21 x 40
	Material	Steel	4 1/2 x 3 x 46	N ^o 2.	4 1/2 x 3 x 46	N ^o 4	4 1/2 x 3 x 46	4 1/2 x 3 x 46	4 1/2 x 3 x 46	4 1/2 x 3 x 46
* FORE AND AFTERS.	Number	None	None	None	None	None	None	None	None	None
	Section and Scantlings									
	Material									
HATCHES Thickness	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	3"	3"	3"	3"	3"
Remarks.....	In addition to above - two @ 9' x 8' 5" x 2 @ 3' x 12" deep Tanks having 12" couplings twenty escape hatches 2' x 2' with hinged covers on 9' x 3' x 4'.									

* 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? *6.0* 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 *6.0*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *6.0* Sq. ft.
 Ft. Tenths. Ft. Tenths. No. *2.0 x 1.1 x 1*
 Freeing Ports (each side of vessel) = *6.0* Sq. ft.
 Total deficiency or excess = *6.0* Sq. ft.



State any special features in the construction of the Vessel *Approved plans filed in London*
 Builder's name and yard number *Workman Clark (1928) Ltd Ship No 510*
 Names of sister vessels
 Owners *Bank Line Ltd (A. Wain & Co. Managers)*

Address
 Fee £ *9. 3. 4*
 To be charged with *Post Entry*

Received by me *See F.E. Report.*

