

Rpt. 11b.

Verification Report
Lloyd's Register of Shipping.

W1019-0276

69339

TUE NOV. 14. 1916

SURVEYS FOR FREEBOARD-STEAM SHIPS.

Sir. W. S. Armstrong, Whitworth & Co. Ltd. No. 883.

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.

Shelter Deck opening at aft end 16' 6" x 4' 5 1/2".

Port of Survey Newcastle-on-Tyne.

Date of Survey 10th Nov^r 1916.

Name of Surveyor J. S. Skelton.

Ship's Name. S.S. "Raranga".
Port of Registry and Nationality. Southampton. British.
Official Number. 135699.
Gross Tonnage. 7958.
Date of Build. 1916.
Particulars of Classification. 100. A.I. Shelter. D^H with freeboard. (Contemplated.)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	478.0	63.20	31.25	7441.18
Length on LOADLINE.	477.09	Frame Depth 9 Rule " 7 4 = 2 x 2 = .33. Sides insulated + .04	Insulation Ceiling + .2 Sheer + .64 Drop of tank top to margin. + .04	Peak included. Tanks Correction for rise of tank top at fore and aft - 2.75
Corrected Dimensions.	477.09	62.87	32.13	7438.43

Moulded Depth as measured..... 34' 4" ✓
Base line above bottom of keel:- Keel plate = 1.2
" Strap = .54
Garboard = .74
2.48

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..... 477.09 ✓
Length in Table 412.0 ✓
Difference 65.09 ✓
Correction for 10ft., Table A. 1.7 ✓ Table C.
× Difference divided by 10 11.06 (if required.) ✓
If 1/10ths length covered divide by 2 5.53 + 5 1/2 ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered Complete Shelter D^H
Thickness of usual wood deck, less stringer - 3 1/2 ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 61.83.
Round of Beam 11
Normal round..... 15 1/2
Difference ✓ ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19) all covered.

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

Freeboard, Table A 9.34 ✓
Correction for Sheer - 5 3/4 ✓
Correction for Length + 5 1/2 ✓
Allowance for Deck Erections - 2.6 1/2 ✓
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required) - 3 1/2 ✓
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) }
Other Corrections (if any) ✓

Winter Freeboard 6-4 1/2 ✓
Summer Freeboard 5-9 1/2 10 1/2 ✓
Indian Summer Freeboard 5-3 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 iron deck with side. + 1 1/2

Winter Freeboard from deck line 6-5 1/2 6 1/2 ✓
Summer " " " 6-5-11 0 ✓
Indian Summer " " " 5-4 1/2 5 1/2 ✓
N.A. Winter " " " ✓

	Length.	Length allowed.	Height.
Length of Ship	448.01	448.01	8-6
Corresponding percentage (Para. 11, 12, 13, or 14)	477.09	472.34	2.37 = 2.04
FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck		474.71	2.37 = 2.04
		477.09	2.37 = 2.04
			94.5.4

Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " " "

15.11.16

NOTE.—In vessels obtaining a certificate of fitness for service, the height of the freeboard is to be taken from the level of the top of the mainmast beam. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from the stem and stern-post.

NOTE.—The surveyor should state whether the fall in sheer as reported is measured relatively to the straight line to the water line. If measured relatively to water line the vessel's draft at time of survey should also be reported.

Do all the Frames extend to the top height in the Poop? *Shelter Raised Quarter Deck?* *Deck* *Bridge House?* *Forecastle?*
 To what height do the Reverse Frames extend? *Channel 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. *Openings 4'0" closed with storm boards full height*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *in riveted grooves & steel coamings 11"*
 Give particulars of the means for closing the openings in Bulkhead. *Has the Bridge House an efficient Bulkhead at the fore end?*
 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? *Opening 7'0" closed with storm boards full height*
 How are the openings closed? *in riveted grooves & steel coamings 11"*
 Is the Forecastle at least as high as the main or top-gallant rail? *Shelter D^h* 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?* *Yes.*
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? *Yes.*

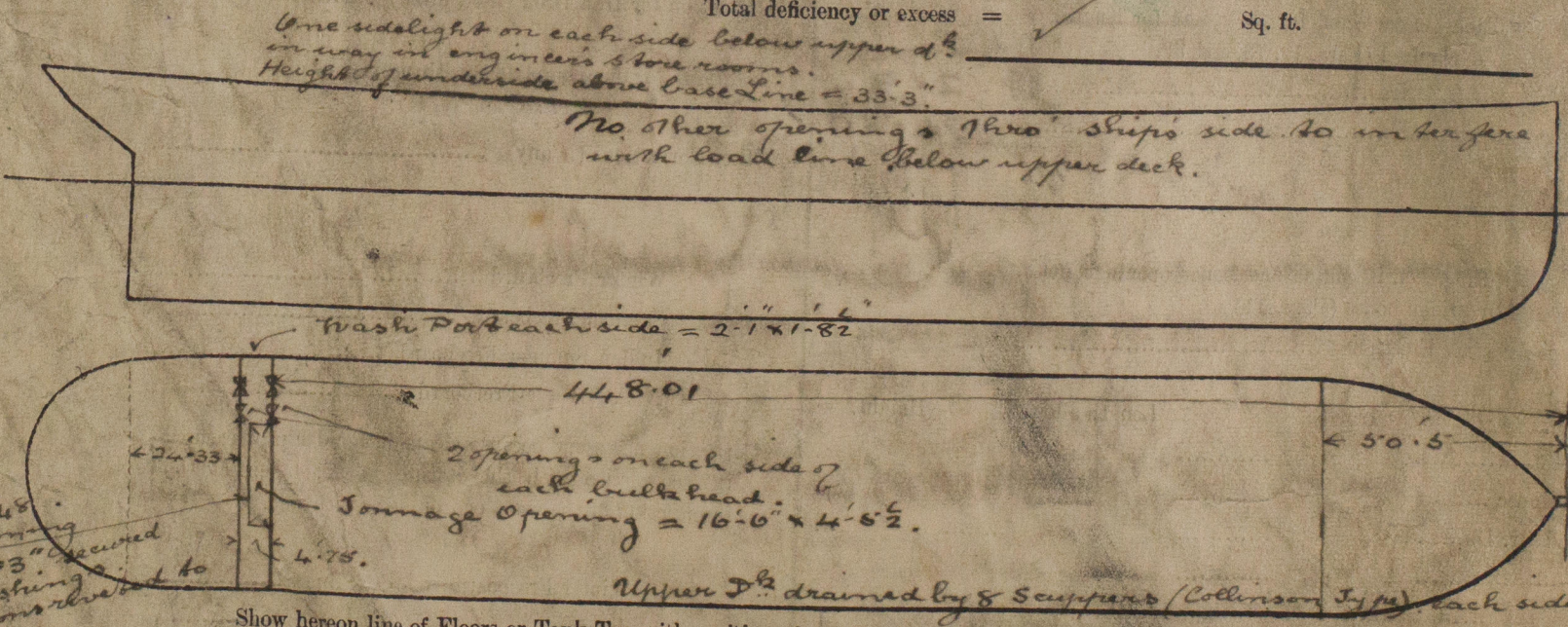
Position and Size.		18'0" x 16'6"		23'9" x 16'6"		14'3" x 16'6"		7'0" x 16'6"		19'0" x 16'6"		16'7 1/2" x 16'6"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	2'6"	1'6"	2'6"	1'6"	2'6"	1'6"	2'6"	1'6"	2'6"	1'6"	2'6"	1'6"
	Sides	44	44	44	44	44	40	44	36	44	44	44	44
	Ends	40	40	40	40	40	36	40	36	40	40	40	40
SHIFTING BEAMS OR WEB PLATES	Number	Three webs		Four webs		Three webs		One web		Three webs		Three webs	
	Section and Scantlings	Plank 21" x 34" side 14 1/2" x 40"		Same as No 1		Same as No 1		Same as No 1		Same as No 1		Same as No 1	
	Material	L. Dup Brackets											
# FORE AND AFTERS.	Number	at sides											
	Section and Scantlings	None		None		None		None		None		None	
	Material												
HATCHES Thickness		3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
Remarks													

* 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? *93* *Strake between Main and Bridge Sheerstrakes? 74*

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 (each side of vessel) = *✓* Sq. ft.
 × ×
 × ×
 Total deficiency or excess = *✓* Sq. ft.



9x3 1/2 x 4 1/2
 3/4\"/>

State any special features in the construction of the Vessel. *See approved plans enclosed (2). a Provisional Freeboard was assigned to this vessel in the Secretary's Letter dated 26th October 1914. The holds with the exception of No. 3 & after hold are all insulated & the thickness of same on tank tops = 10\"/>*

Address *by me*
 Fee £ *Received*