

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

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 New York Date of Survey 17 Nov 1920 Name of Surveyor A. Chisholm

Table with columns: Ship's Name (Harima Dockyard), Port of Registry and Nationality, Official Number, Gross Tonnage, Date of Build, Particulars of Classification (+ 100 A.1. Carrying Petroleum "Longitudinal Framing")

Table with columns: Registered dimensions from Ship's Register, LENGTH (420), BREADTH, DEPTH, UNDER DECK TONNAGE

Moulded Depth as measured 33'-0" 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.

Block Coefficient .44. Given by Builders. Say .49 provisionally.

CORRECTION FOR LENGTH. Length of Ship on Loadline 420, Length in Table 396, Difference 24, Correction for 10ft., Table A 1.6, Table C .8, x Difference divided by 10 3.84 (if required) 1.92, If 1/10ths length covered divide by 2 + 3 3/4 + 2"

Sheer at Stem 96, Sternpost 54, 153 / 2 = 46 1/2 Mean. Sheer at 1/2 of the length from Stem 42, Sternpost 28 1/2, 70 1/2 / 2 = 35 1/4 Mean. Gradual mean Sheer 46.8 / .55 = 85.1. Standard mean Sheer [Table, Para. 18] 52.0. Correction Difference 33.2 - 65 = -31.8. If limited as Para. 18 (f) + 1 1/4 - 1/2"

CORRECTION FOR IRON DECK. Proportion covered, if less than 1/10ths length covered 4458. Thickness of usual wood deck, less stringer 3 1/2 - 1/2

Rise in Sheer from amidships [Para. 18 (e)] At front of bridge house, At after end of forecastle

CORRECTION FOR ROUND OF BEAM. Breadth at Gunwale amidships 52, Round of Beam 13 1/2, Normal round 13 1/2, Difference 0 / 2 = 0. Proportion of Deck uncovered (Para. 19)

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

Fall in Sheer Para. 18 (d) / 2 =. Length uncovered Correction

Table with columns: Freeboard, Table A (8-11), Correction for Sheer (-1 1/2 + 1/4), Correction for Length (+ 3 3/4), Allowance for Deck Erections (- 11 3/4), Correction for Round of Beam, Correction for fall in Sheer (if any), Correction for Iron 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 5-8.25, Correction for Length, if required (Para. 12, 13, and 14) +2, Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 9-1 1/4, Difference 3-3.05, Percentage as below 28.2%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) - 11 3/4. Allowance for Deck Erections 11.01

Table with columns: Winter Freeboard (8-0 3/4 + 2 3/4), Summer Freeboard (4-6 3/4 + 8 3/4), Indian Summer Freeboard (4-0 3/4 + 2 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 3/4

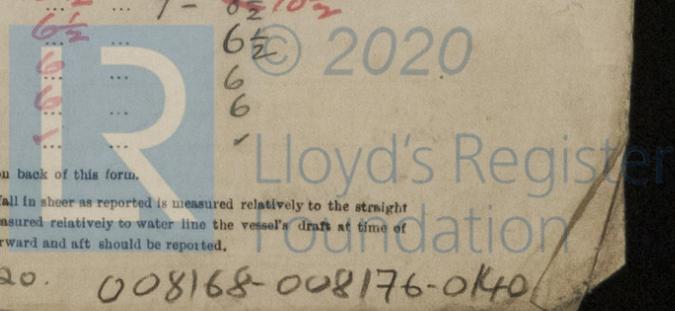
Table with columns: Length, Length allowed, Height. Forecastle 34'-0" (34.0, 7'-6"), Bridge House 36'-0" (36.0, 8'-0"), Raised Qr. Dk., Poop 114'-3" (114.25, 8'-0"), Total 184.25 / 420 = 4458. Corresponding percentage (Para. 11, 12, 13, or 14) 28.2%

Table with columns: Winter Freeboard from deck line (8-2 1/2 + 4 1/2), Summer, Indian Summer, N.A. Winter, FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :- Fresh Water Line above centre of Disc, Indian Summer Line, Winter Line below, Winter North Atlantic Line

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

© 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.

† 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.



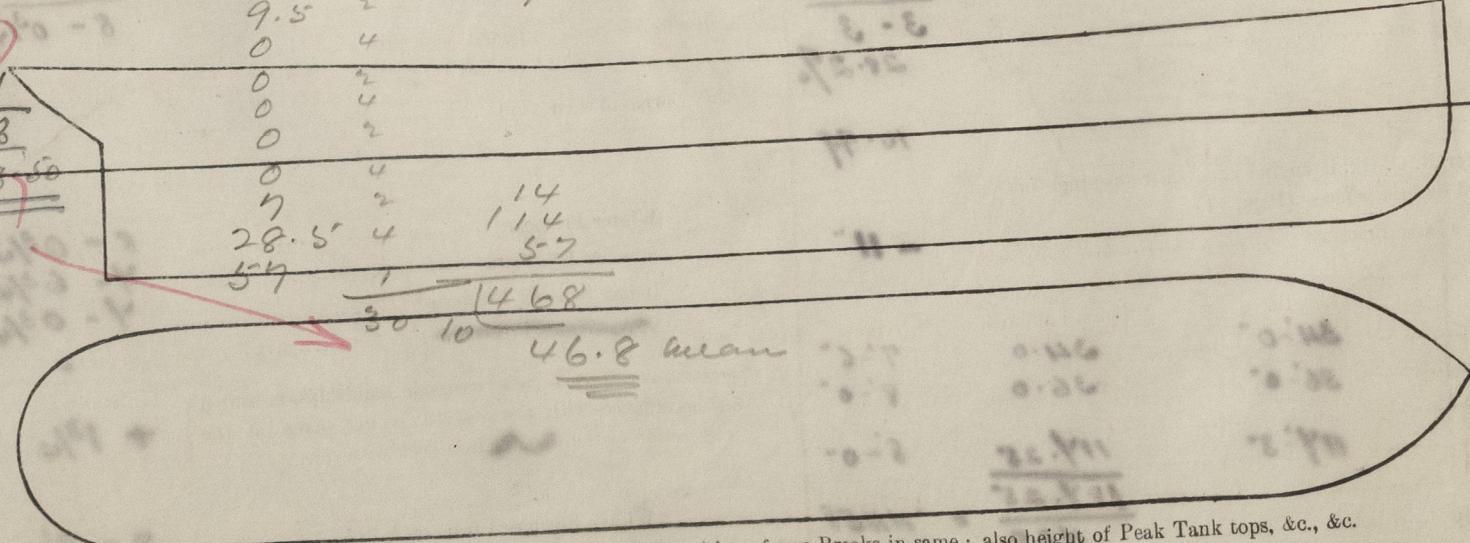
Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? Bridge House? Forecastle?  
 To what height do the Reverse Frames extend?  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?  
 Give particulars of the means for closing the openings in Bulkhead Has the Bridge House an efficient Bulkhead at the fore end?  
 Is the Poop or Raised Quarter Deck connected with the Bridge House?  
 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 hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?  
 Are bracket plates fitted at each end of the Stiffeners?  
 Has the Bridge House an efficient Iron Bulkhead at the after end?  
 How are the openings closed? Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?  
 Is the Forecastle at least as high as the main or top-gallant rail?  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?  
 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:—

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING										
Height above top of DECK										
Thickness	Sides									
	Ends									
SHIFTING BEAMS OR WEB PLATES.	Number									
	Section and Scantlings									
	Material									
* FORE AND AFTERS.	Number									
	Section and Scantlings									
	Material									
HATCHES Thickness										
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? 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. Tenth.	Ft. Tenth.	No.			Sq. ft.
4	9 1/2	19	x		
2	0		x		
4	0		x		
2	0		x		
4	7	14	x	96	
2	28 1/2	114	x	168	
4	54	54	x	19	
1	8	468			
	58	58			
	7	14			
	28.5	4		114	
	54	1		57	
				1468	
				46.8 mean	



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

Owners  
 Address  
 Fee £

Received by me

