

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, WITH OR WITHOUT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS, OR CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Hong Kong  
Date of Survey May 30th. 1919.  
Name of Surveyor John S. Gardiner

Ship's Name. AR DRUMMER  
Owner. mpoa Dock Co. No. 567  
Register Book  
Port of Registry and Nationality. Hong Kong  
British  
Official Number. 142,223  
Gross Tonnage. 3102.19  
Date of Build. 1919  
Particulars of Classification. \*100A1

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
325	45.20	23.67 1/2 tank	2814.20
324'-6"	Frame Depth 5 1/2	23.90	2814.20
(Raked Stem)	Rule " 5 1/2	Sheer +.74	Peak tanks
		Tank droop 2 1/2 = +.10	Included
325	45.20	24.94	2814.20

Moulded Depth as measured..... 26'-0 1/4 Amidships  
Addition for Keel below base line for draught record. 1 1/2 inches. (Keel plate over lapped) Frames joggled

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..... 325  
Length in Table ..... 312  
Difference ..... 13  
Correction for 10ft., Table A. .... 1.4 Table C.  
× Difference divided by 10 ..... 1.82 if required.)  
If 1/10ths length covered divide by 2 +13/4

### CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered ..... .466  
Thickness of usual wood deck, less stringer ..... 1 1/2

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 44'-2"  
Round of Beam ..... 11 1/2"  
Normal round..... 11  
Difference ..... 1/2 ÷ 2 = 1/4  
Proportion of Deck uncovered (Para. 19) ... 5.36 = .134

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

Freeboard, Table A ..... 5'-10 1/2  
Correction for Sheer ..... - 6 1/2"  
Correction for Length ..... + 1 3/4  
Allowance for Deck Erections ..... - 8 1/2  
Correction for Round of Beam..... - 1/4  
Correction for fall in Sheer (if any)..... 4 - 8 1/2  
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) .....

Winter Freeboard ..... 4'- 0 3/4  
Summer Freeboard ..... 4'- 2 1/2  
Indian Summer Freeboard ..... 3'-10 1/4  
N. A. Winter Freeboard ..... 4'- 8 3/4

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the iron deck with side. 1 1/2

Winter Freeboard from deck line ..... 4'- 8 1/2  
Summer " " " ..... 4'- 4 1/2  
Indian Summer " " " ..... 3'-11 1/2  
N. A. Winter " " " ..... 4'-10 1/2

† 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.

of fineness..... .775  
ation necessary { -.02 for double bottom  
(a) to (e) \*  
as corrected ..... .75

Stem 51  
Sternpost 25  
76 ÷ 2 = 38  
69.54 .6908  
42.5  
27.04 ÷ 4 = 6 3/4  
Correction

At front of bridge house..... 9"  
At after end of forecastle ..... 63"

Nil ÷ 2 =  
Correction

### ALLOWANCE FOR DECK ERECTIONS:—

ble C..... 2'-10 1/2  
Length, if required (Para. 12, 13, and 14) ..... + 2'-11 1/2  
Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) ..... 5'-5 1/2  
if required (Para. 12, 13, and 14) ..... 2'-5 1/2  
below..... 29.5%  
8.83

R. Q. Dk. if engine and boiler openings not y bridge house (Para. 11)  
Deck Erections ..... - 8 1/2

Length.	Length allowed.	Height.
28.25	28.25	7'-9"
90.00	90.00	
32.75	32.75	
151.00	151.00	
	151	
	325	
	29.5%	

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

skin planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.  
aining an allowance for deck erections under Para. 11 where the sheer drops abaft amid- height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
d vessels the total standard mean sheer means the sheer measured at the stem and stern- vessels having poops and forecastles, it means the sheer measured at points distant of the vessel's length from stem and stern-post.

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Do all the Frames extend to the top height in the Poop? Yes Raised Quarter Deck? - Bridge House? Yes Forecastle? Yes  
 To what height do the Reverse Frames extend? All to upper deck stringer plate, Alternate reverse to forecastle deck  
 Has the Poop ~~on Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? Yes  
 Give particulars of the means for closing the openings in Bulkhead Hinged watertight steel door with rubber joint and iron dogs  
 Is the Poop ~~on 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 Hinged watertight steel door with rubber joint and iron dogs  
 What is the thickness of the Bridge Front plating? 3/8" and Coaming plate? 7/16"  
 Give scantlings and spacing of the Stiffeners 6x2.81x2.81x.313 Channel stiffeners, 2'0" apart and 6x3x3x.40 Channel stiffeners 2'3" apart  
 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? 3" Pine Shifting Boards *Full height in pierced 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? Yes  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Bridge  
 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 6/20" Plating, 7/20" Coaming, Stiffeners 3x2 1/2 x 5/20" angle spaced 30"  
 What is the height of the exposed Casings? 7'-6" 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: Yes

Position and Size.	No. 1-Fr. 133-145		No. 2-Fr. 107-119		No. 3-Fr. 90-95		No. 4-Fr. 45-57		No. 5-Fr. 19-31	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	2'3"	2'0"	2'3"	2'0"	1'6"	1'6"	2'3"	2'0"	2'3"	2'0"
Thickness	Sides.....	.45	.44	.45	.44	.45	.44	.45	.44	.44
	Ends.....	.45	.44	.45	.44	.45	.44	.45	.44	.44
SHIFTING BEAMS OR WEB PLATES.	Number .....	4	4	4	4	1	1	4	4	4
	Section and Scantlings .....	14"x.34 Plate	14"x.34 Plate	14"x.34 Plate	14"x.34 Plate	14"x.34 Plate	14"x.34 Plate	14"x.34 Plate	14"x.34 Plate	14"x.34 Plate
	Material .....	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel	3 1/2 x 3 x .42 angles steel
	Material .....	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
* FORE AND AFTERS.	Number .....	Nil		Nil		Nil		Nil		Nil
	Section and Scantlings .....									
	Material .....									
HATCHES Thickness .....	3"Luaun	2 1/2"	3"Luaun	2 1/2"	3"Luaun	2 1/2"	3"Luaun	2 1/2"	3"Luaun	2 1/2"
Remarks.....	Laid Fore and aft		Laid Fore and aft		Laid Fore and aft		Laid Fore and aft		Laid Fore and aft	

\* 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.

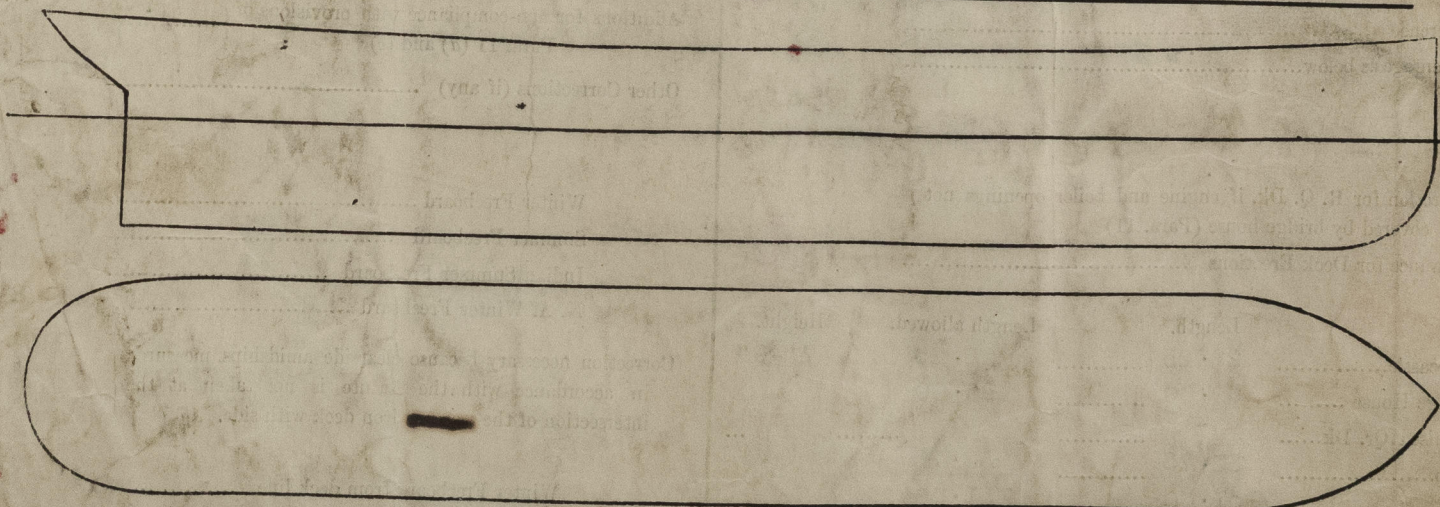
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well 174'

Area of Freeing Ports required by Para. 11 (e) each side of vessel = 34.8 Sq. ft.

Ft. Tenths.	Ft. Tenths.	No.	Freeing Ports (each side of vessel)	=	36	Sq. ft.
4.0	x 1.66	x 6				
4.0	x 1.66	x 6				

Total deficiency or excess = - Sq. ft.



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. This vessel is constructed of the single deck type with arched web frames at ends of hatchways with quarter pillars at hatch corners.

Owners Shipping Controller

Address London.

Fee £100

Received by me

John S. Gardiner  
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