

Rpt. 11b.

Ext. Nov 24/10/34 Verification

MUN. APP. 28/1924

30893

9099

Lloyd's Register of British & Foreign 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

Belfast

Date of Survey

White building

Name of Surveyor

W. M. Arnall

Revised Rules

Mr. W. M. Arnall Clark & Co. Ltd. No. 469

Ship's Name

Port of Registry
and NationalityOfficial
NumberGross
Tonnage

Date of Build

about

4910

4914.85

New
vessel

Particulars of Classification

100 A.1

Class contemplated

S/ARLINGTON COURT

Number in Register Book ✓

Registered dimensions from Ship's Register.

Length.

Breadth.

Depth.

UNDER DECK
TONNAGE.

4564

Length on LOADLINE.

395.3

Frame Depth 12' Ceiling + .20' Peak
Rule " 6' Sheer + 1.03' Tanks in in
above.

CORRECTED DIMENSIONS.

395.3

6x3 = 18' 3" No drop in tank top
No spacing 1.33 under Latches cover bulges only.

52.75

52.75

27.88

4564

Co-efficient of fineness.....

793

Any modification necessary [Para. 4 (a) to (e)]*

.02 Cellular. 8B.

Co-efficient as corrected

773.

Sheer { Stem 113.5 } 173.5 ÷ 2 = 86.75 Mean 86.81
at Sternpost 60 } 36.87.28
1.03Sheer at $\frac{1}{2}$ of the length from Stem 62.5 { 95.5 ÷ 2 = 47.75 Mean 49.53
Sternpost 33 } 1.03 47.75 ÷ 55 = 86.81Gradual mean Sheer 86.8 allowed. 86.78
Standard mean Sheer [Table, Para. 18] 49.53 Correction 81
Difference 37.77 ÷ 4 = -9.29

§ If limited as Para. 18 (f) -9.29

For side bottom to aft side of sternpost at deck 395

Rise in Sheer { At front of bridge house 14" from amidships }
[Para. 18 (e)] { At after end of forecastle 72 }Fall in Sheer { Para. 18 (d) } ÷ 2 = No drop.
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:

Freeboard, Table C 3. 11 3/4

Correction for Length, if required (Para. 12, 13, and 14) + 3 3/4

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 6. 11 3/4

Difference 2. X 3/4

Percentage as below 10. 61 33.28% 10.90

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓

Allowance for Deck Erections ✓

Length.	Length allowed.	Height.
Forecastle..... 39.1	39.08	8.0
Bridge House 119.2	119.16	8.0
† Raised Qr. Dk. ....	....	....
Poop..... 46.0	46.00	8.0
Total 204.34	= 5186	

Length of Ship 396

Corresponding percentage (Para. 11, 12, 13, or 14) 28

33.44%

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 abeam amidships the height of the R.Q.D. is to be taken from the level of the top of the amidships 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.

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Moulded Depth as measured..... 29.0"

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

RETAIN

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 395.3

Length in Table 348.0

Difference 47.3

Correction for 10ft., Table A. 1.5 Table C. 7

x Difference divided by 10 + 7.09 (if required.) 3.31

If $\frac{6}{10}$ ths length covered divide by 2 ✓ + 7" ✓ + 3 1/4"

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered 5.18

Thickness of usual wood deck, less stringer 3 1/2

- 1.94

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 52.0

Round of Beam 13

Normal round 13

Difference ml ÷ 2 =

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 7.2

Correction for Sheer - 9 1/4

6. 44 3/4

Correction for Length + 7

6. 11 3/4

Allowance for Deck Erections - 10 1/2

6. 14 20 1/4

Correction for Round of Beam ml

Correction for fall in Sheer (if any) ml

Correction for Iron Deck (if required) - 1 1/4

5. 11 3/4

Additions for non-compliance with provisions of Para. 11 (d) and (e) ✓

Other Corrections (if any) ✓

Winter Freeboard 5. 11 3/4

Summer Freeboard 5 1/4

Indian Summer Freeboard 5. 6 1/2 5 3/4

N. A. Winter Freeboard 5. 10 1/2

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 1/4

Steel

Winter Freeboard from deck line 6. 14 0 1/4

Summer " " " 5. 8 1/2 7 1/2

Indian Summer " " " 5. 2 1/4 4 1/4

N. A. Winter " " " 5. 7 1/2 5 1/2

Steel

Winter Freeboard from deck line 6. 6 3/4

Summer " " " 5. 5 1/2 6 1/4

Indian Summer " " " 5. 2 1/4 3 1/2

N. A. Winter " " " 5. 5 1/2 5 1/2

Steel

Winter Freeboard from deck line 6. 5 1/2 5 1/2

Summer " " " 5. 4 1/2 5 1/2

Indian Summer " " " 5. 1 1/2 2 1/2

N. A. Winter " " " 5. 3 1/2 3 1/2

Steel

Winter Freeboard from deck line 6. 4 1/2

Summer " " " 5. 3 1/2 4 1/2

Indian Summer " " " 5. 1 1/2 2 1/2

N. A. Winter " " " 5. 2 1/2 3 1/2

Steel

Winter Freeboard from deck line 6. 3 1/2

Summer " " " 5. 2 1/2 3 1/2

Indian Summer " " " 5. 1 1/2 2 1/2

N. A. Winter " " " 5. 1 1/2 2 1/2

Steel

Winter Freeboard from deck line 6. 2 1/2

Summer " " " 5. 1 1/2 2 1/2

Indian Summer " " " 5. 1 1/2 2 1/2

N. A. Winter " " " 5. 1 1/2 2 1/2

Steel

Winter Freeboard from deck line 6. 1 1/2

Summer " " " 5. 1 1/2 2 1/2

Indian Summer " " " 5. 1 1/2 2 1/2

N. A. Winter " " " 5. 1 1/2 2 1/2

Steel

Winter Freeboard from deck line 6. 0 1/2

Summer " " " 5. 1 1/2 2 1/2

Indian Summer " " " 5. 1 1/2 2 1/2

N. A. Winter " " " 5. 1 1/2 2 1/2

Steel

Winter Freeboard from deck line 5. 9 1/2

Summer " " " 5. 1 1/2 2 1/2

Indian Summer " " " 5. 1 1/2 2 1/2

N. A. Winter " " " 5. 1 1/2 2 1/2

Steel

Winter Freeboard from deck line 5. 8 1/2

Summer " " " 5. 1 1/2 2 1/2

Indian Summer " " " 5. 1

Do all the Frames extend to the top height in the Poop? *alternately* Raised Quarter Deck? *yes* - Bridge House? *alternately* forecastle? *Yes.*

To what height do the Reverse Frames extend? *Bulwark & 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 *3 openings 5' 0" x 3' 6" with 18" coaming. Storm boards full height in light, in permanently riveted channels.*

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 *No openings*

What is the thickness of the Bridge Front plating? *.40*, and Coaming plate? *.44*

Give scantlings and spacing of the Stiffeners *9 x 3 1/2 x 46 Bd 28" 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 openings 4' 6" x 3' 6" with 18" coaming. Storm boards full height in*

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? *Steel. 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 steel casings*

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? *Hinged storm covers.*

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.	W.1 29' 3" x 20' 0"	W.2 2' 5" x 16'	W.3 11' 5" x 18' 6"	W.4 6' 10" x 18' 6"	W.7 11' 5" x 12'	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING: Height above top of DECK	39 "	39 "	39 "	39 "	30 "	30 "
Thickness { Sides.....	.44 "	.44 "	.44 "	.44 "	.44 "	.44 "
Thickness { Ends.....	.44 "	.44 "	.44 "	.44 "	.44 "	.44 "
SHIFING BEAMS OR WEB PLATES. Number	5	5	5	1	1	1
SHIFING BEAMS OR WEB PLATES. Section and Scantlings	18 x .36 4 angles 4 x 3 x .44 steel	18 x .36 4 angles 4 x 3 x .44 steel	18 x .36 4 angles 4 x 3 x .44 steel	11 x .30 4 angles 4 x 3 x .44 steel	11 x .30 4 angles 4 x 3 x .44 steel	12 x .30 4 angles 3 x 3 x .44 steel
* FORE AND AFTERS. Number			none			
* FORE AND AFTERS. Section and Scantlings						
* FORE AND AFTERS. Material						
HATCHES Thickness	2 1/2	2 1/2	2 1/2	3	3	3
Remarks.....						

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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.)

No sidelights below upper deck.

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. *Crew in forecastle* - that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

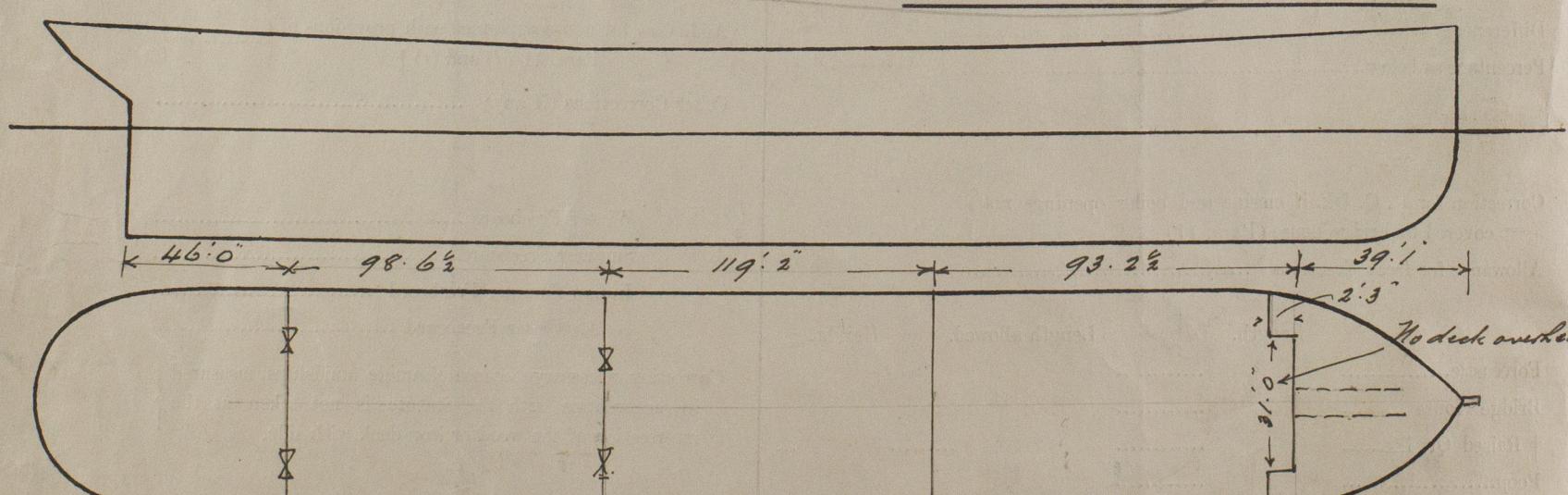
Length of Bulwarks in well *93. 2 1/2 for well 98. 6 1/2 aft well*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *18. 64 Sq. ft.*

Ft. Tenths. Ft. Tenths. No.

For well	3. 5" x 1. 58 x 4	Freeing Ports (each side of vessel)	=	32. 12	Sq. ft.
Aft well	3. 5" x 1. 75 x 4		=	24. 50	

Total deficiency or excess = *3. 48 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 *Vessel built in accordance with approved plans. Hullboard request form. Larchwood. Provisional hullboard assignment; Secys letter 14/13/1904.*

Owners Builders. Wokeman Clark & Co. Ltd.

Address

Belfast

Fee £ 10 : 0 : 0 Received by me See F. G. Rpt.

Will be charged with F. G. Fees.



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