

Preliminary

Index No. 27582
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

ARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
OP 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 2.4.19
Name of Surveyor

Ship's Name. Arland Kwaef Port of Registry and Nationality. Proposed S.S. 240 x 36 x 18-6 mld.
Official Number. Gross Tonnage. Date of Build. Particulars of Classification. 100 A1
Number in Register Book

REGISTERED DIMENSIONS FROM SHIP'S REGISTER.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
		<u>36.24</u>	<u>16.3</u>	<u>1180 alt.</u>
Length on LOADLINE.		Frame Depth $\frac{1}{2}$ Rule $\frac{1}{4}$ <u>14</u> " <u>13</u> <u>1.5</u>	Ceiling <u>+20</u> Sheer <u>+37</u> <u>level tank</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>239.8</u>	<u>35.74</u>	<u>16.87</u>	<u>1180</u>

Moulded Depth as measured 18-6
Given
Addition for Keel below base line
for draught record.....inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 239.8
Length in Table 222
Difference 17.8
Correction for 10ft., Table A. 1.1 Table C.
x Difference divided by 10 1.958 (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 .979 + 1

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 36
Round of Beam 9
Normal round..... 9
Difference $\div 2 =$
Proportion of Deck uncovered (Para. 19)

NOTE - The
round of beam
should be report-
ed on the full
breadth of ves-
sel at the gunwale.

Co-efficient of fineness..... .816
Any modification necessary
[Para. 4 (a) to (e)]* C.B.B.
Co-efficient as corrected Ray. 80' provisionally

Sheer { Stem..... 66 } $96 \div 2 = 48$ Mean 36/13.29
at { Sternpost ... 30 } .37
Sheer at $\frac{1}{2}$ of the length from { Stem 36 } $52 \div 2 = 26$ Mean
{ Sternpost 16 } .55
Gradual mean Sheer 47.27 = 47.27
Standard mean Sheer [Table, Para. 18] 33.98 Correction
Difference..... 13.29 $\div 4 =$ -3 1/4
§ If limited as Para. 18 (f)

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

Fall in Sheer {
Para. 18 (d) } $\div 2 =$ ✓
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... 1-1
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length,
if required (Para. 12, 13, and 14) } 3-2 1/4
Difference 2-1 1/4
Percentage as below..... 55.6%
14.32

Correction for R. Q. Dk. if engine and boiler openings not
covered by bridge house (Para. 11) }
Allowance for Deck Erections -14 1/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>23.0</u>	<u>23.0</u>	<u>7-0</u>
Bridge House			
† Raised Qr. Dk.....	<u>66.5</u>	<u>66.5</u>	<u>4-0</u>
Poop.....	<u>79.5</u>	<u>79.5</u>	<u>7-0</u>
Total		<u>169.0</u>	
Length of Ship		<u>239.8</u>	<u>.704</u>

Corresponding percentage
(Para. 11, 12, 13, or 14) } 55.6%

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wed (Iron) Deck :-
3.4.19
Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " " "

Freeboard, Table A 3-6
Correction for Sheer -3 1/4
3-2 1/4
Correction for Length +1
3-3 1/4
Allowance for Deck Erections -1-2 1/4
2-1 1/2
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) -3 1/2
1-10
Additions for non-compliance with provisions of
Para. 11 (d) and (e) }
Other Corrections (if any) Height of R. Q. D. 4-0
5-10

Winter Freeboard 5-10
Summer Freeboard 5-7 1/4
Indian Summer Freeboard
N. A. Winter Freeboard 7

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

Winter Freeboard from deck line 5-11 1/2
Summer " " " " 5-8 3/4
Indian Summer " " " "
N. A. Winter " " " " 5-8 1/2
4

§ If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside
of ceiling should be reported if possible.
† If vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amid-
ships 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.

† 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.

002298-002304 - 0101

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 _____

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? _____

How are the openings closed? _____

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? _____ *Engine covered by Poop*

Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? _____

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.	
COAMING.	Height above top of DECK																
	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? _____

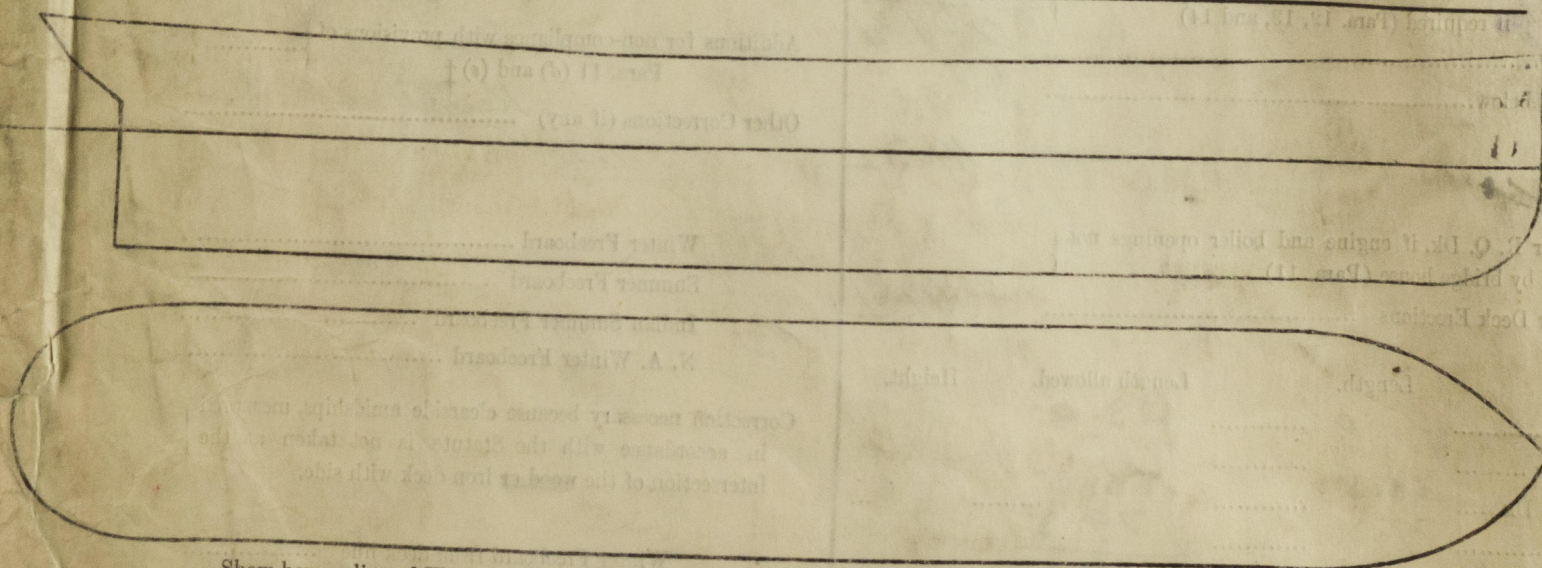
Delete the words { The Crew are, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

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.
x		x					
x		x					

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 _____

Owners _____

" Address _____

Fee £ _____

Received by me _____



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