

Sws
14/11/32

Index No. 283
MON. NOV. 1919

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

CLASSES RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH PLANT 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 *Southampton*
Date of Survey *while Building*
Name of Surveyor *John A. Low*

Ship's Name **AFON-GWILI**
messrs *Bamber & Nicholson* No 281
Standard Vessel TYPE "C4"
Number in Register Book

Port of Registry and Nationality *Llanely*
Official Number *130057*
Gross Tonnage *874*
Date of Build *1919*
Particulars of Classification *+ 100 A.1. Contemplated.*

Registered dimensions from Ship's Register.	LENGTH. <i>198</i>	BREADTH. <i>30.6</i>	DEPTH. <i>12.4</i>	UNDER DECK TONNAGE. <i>624.46</i>
Length on LOADLINE.	<i>198</i>	Frame Depth Rule <i>3 1/2</i>	Ceiling <i>+ .20</i> Sheer <i>+ .71</i> <i>4 1/2 drop in tank</i> <i>+ .18</i>	Peak included Tanks <i>6.5. 4.80</i> <i>85 7.04</i> <i>- 2.24</i>
CORRECTED DIMENSIONS.	<i>198</i>	<i>30.18</i>	<i>13.49</i>	<i>622.22</i>

Moulded Depth as measured..... *14' 5"*
Addition for Keel below base line for draught record..... *1 1/2"* inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<i>198</i>
Length in Table	<i>173</i>
Difference	<i>25</i>
Correction for 10ft., Table A.	<i>1"</i> Table C.
× Difference divided by 10	<i>2.5</i> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<i>1.25</i> <i>+ 1 1/4"</i>

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	<i>over 7/10</i>
Thickness of usual wood deck, less stringer	<i>- 3 1/4"</i>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<i>30' 4 1/2"</i>
Round of Beam	<i>7.5</i>
Normal round.....	<i>7.59</i>
Difference	<i>.09 ÷ 2 = .045</i>
Proportion of Deck uncovered (Para. 19)	

NOTE.—round of beam should be measured on the breadth of the gunwale at the gunwale.

Co-efficient of fineness..... *.77*
Any modification necessary (a) to (e)]* *.02* *cell. A. B.*
Corrected *.75*

Stem length from Stem 40 } *107* ÷ 2 = *53.5* Mean
Sternpost 21 }
Sheer *53.5 + 55.45 = 108.95* *54.47* *55.45*
in Sheer [Table, Para. 18] *29.8* Correction
Difference *24.67* ÷ 4 = *- 6 1/4*
as Para. 18 (f)

Sheer { At front of bridge house.....
amidships {
(e) } At after end of forecastle

ALLOWANCE FOR DECK ERECTIONS:—
Freeboard, Table C..... *6 1/2*
Correction for Length, if required (Para. 12, 13, and 14)

Forecastle.....	Length. <i>24.16</i>	Length allowed. <i>3" overhang</i>	Height. <i>24.41</i>
Bridge House	<i>13.16</i>	<i>3"</i>	<i>13.78</i>
† Raised Qr. Dk.....	<i>111.16</i>		<i>111.16</i>
Poop.....			
Total			<i>148.98</i>
Length of Ship			<i>198</i>
Corresponding percentage (Para. 11, 12, 13, or 14) }	<i>62.75</i>		<i>62.50</i>

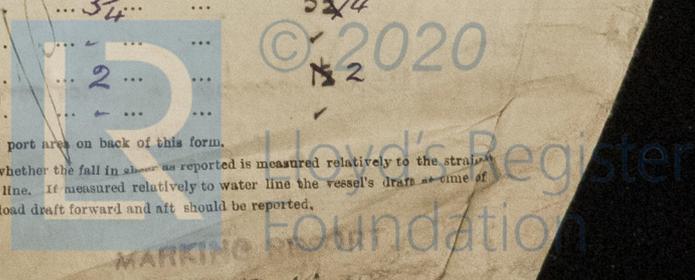
FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck: *4' 6"*
Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " " "

Freeboard, Table A	<i>2' 4 1/4"</i>
Correction for Sheer	<i>- 6 3/4"</i>
Correction for Length	<i>+ 1 1/4"</i>
Allowance for Deck Erections	<i>1.11</i>
Correction for Round of Beam.....	<i>- 9 1/4"</i>
Correction for fall in Sheer (if any).....	<i>1.05</i>
Correction for Iron Deck (if required)	<i>3 1/4"</i>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<i>10 3/4"</i>
Other Corrections (if any)	<i>3.8</i>
Winter Freeboard	<i>4' 5" 6/4</i>
Summer Freeboard	<i>4' 5 1/2" 3/4</i>
Indian Summer Freeboard	
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	<i>4' 6 1/2" 8</i>
Summer " " " "	<i>4' 5 3/4" 6</i>
Indian Summer " " " "	
N. A. Winter " " " "	
Wood (Iron) Deck: <i>4' 6"</i>	<i>4' 5 3/4" 6</i>
.....	<i>3 3/4"</i>
.....	<i>2</i>
.....	<i>1 1/2</i>

† 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 strain line of keel or to the water line. It measured relatively to water line the vessel's draught at time of survey, and also the usual load draft forward and aft should be reported.



All the Frames extend to the top height in the Poop? Raised Quarter Deck? *Yes* Bridge House? *alternately with intermediate Forecastle?*
 What height do the Reverse Frames extend? *Bull angle framing*
 Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Particulars of the means for closing the openings in Bulkhead *no openings*
 Poop or Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge House an efficient Bulkhead at the fore end?
 Particulars of the means for closing the openings in Bulkhead *no openings*
 Thickness of the Bridge Front plating? *.26* and Coaming plate? *.40*
 Stiffenings and spacing of the Stiffeners *6" x 3" x .44 B. O. @ 30" apart*
 Deck plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *In Leak Wood Doors*
 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*
 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*
 Thickness of plating; scantlings and spacing of Stiffeners *Plating .25, Boaming .30, Stiffeners 2 1/2 x 2 1/2 x 5/16" @ 30*
 What is the height of the exposed Casings? *7.0* 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:— *Yes*

Position and Size.		No. 1 38.6 x 18.0		No. 2 32.0 x 18.0							
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
Height above top of DECK	36"		30"								
Thickness	Sides.....	.44"	.44"								
	Ends.....	.44"	.44"								
LIFTING BEAMS OR VEB ATES.	Number.....	<i>seven</i>	<i>seven</i>								
	Section and Scantlings.....	<i>7/8 4 x 3 x .44 angles</i>	<i>7/8 4 x 3 x .46 angles</i>								
	Material.....	<i>16/8 x 36"</i>	<i>16/8 x 36"</i>								
S.	Number.....										
	Section and Scantlings.....	<i>✓</i>	<i>✓</i>								
	Material.....										
Thickness.....	3"		3"								
Remarks.....	W.P.		W.P.								

* 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? *.26* Strake between Main and Bridge Sheerstrakes? *.26*

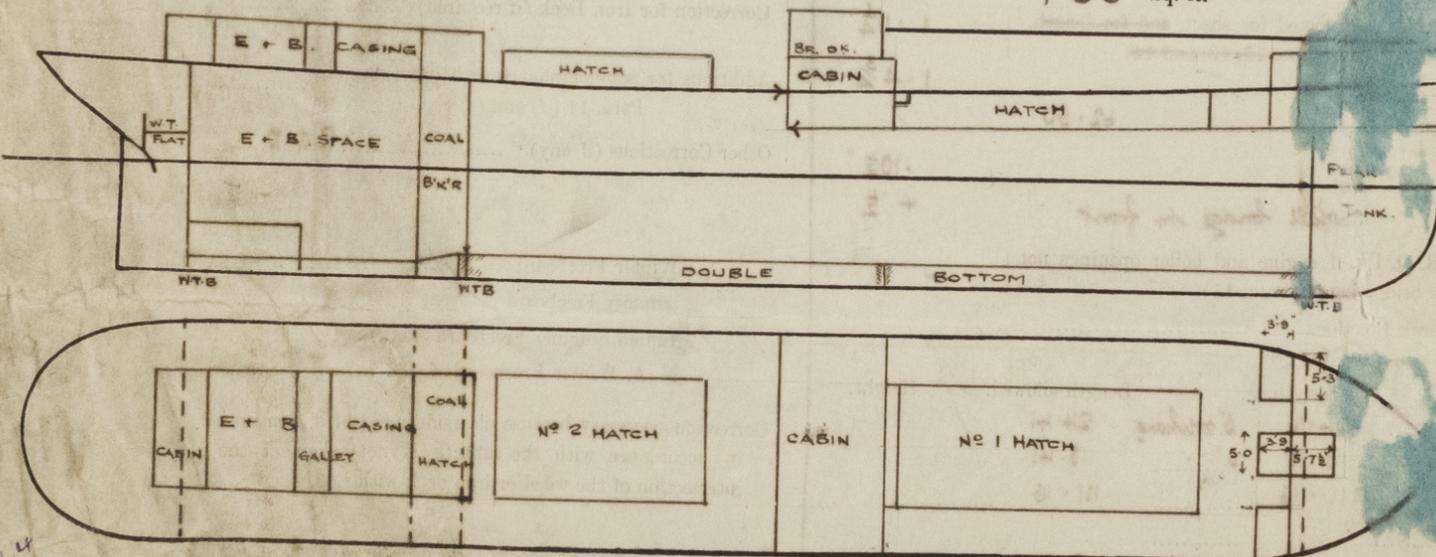
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well *48.9'*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *11.4* Sq. ft.

Ft. Tenths.	Ft. Tenths.	No.	} Freeing Ports (each side of vessel) =	<i>13.26</i> Sq. ft.
<i>3.25</i>	<i>1.75</i>	<i>2</i>		
<i>2.50</i>	<i>1.5</i>	<i>1</i>		

Total deficiency or excess = *1.86* 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 has been built in accordance with the approved Plans (2) enclosed herewith for reference. The builders yard no is 281 Standard Vessel Type "C4"*

Builders *Messrs Bamber & Nicholson, Ltd.*
 Address *Southampton*

Fee £ *2 : 2 : 0*

Received by me *1/3/20*



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