

Swg
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*

AFON-GWILI Ship's Name. <i>messrs Camper & Nicholson No 281</i> Standard Vessel TYPE "C 4" Number in Register Book	Port of Registry and Nationality. <i>Llanely</i>	Official Number. <i>130057</i>	Gross Tonnage. <i>874</i>	Date of Build. <i>1919</i>	Particulars of Classification. <i>+ 100 A.1. Contemplated.</i>
--	---	-----------------------------------	------------------------------	-------------------------------	---

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	198	30.6	12.4	624.46
Length on LOADLINE.	198	Frame Depth 6.0 Rule " 3 1/2 2 1/2 - .42	Ceiling + .20 Sheer + .71 4 1/2 drop in tank + .18	Peak included Tanks 6.5. 480 85 7.04 - 2.24
CORRECTED DIMENSIONS.	198	30.18	13.49	622.22

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.....	198
Length in Table	173
Difference	25
Correction for 10ft., Table A.	1" Table C.
× Difference divided by 10	2.5 (if required.)
If 1/10ths length covered divide by 2	1.25 - + 1 1/4"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	over 7/10
Thickness of usual wood deck, less stringer	- 3 1/4"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	30' 4 1/2"
Round of Beam	7.5
Normal round.....	7.59
Difference09 ÷ 2 = .045
Proportion of Deck uncovered (Para. 19)	

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

Co-efficient of fineness..... .77 442
Any modification necessary }
(a) to (e)]* } .02 cell. A. B.
Corrected76 75

..... 69 } 107 ÷ 2 = 53.5 ...Mean 36 1/2 25 6 5/8
st ... 38 }

the length from { Stem 40 } 61 ÷ 2 = 30.5 ...Mean
Sternpost 21 }
Sheer 53.5 + 55.45 = 54.47 55.45
in Sheer [Table, Para. 18] 29.8
Difference 24.67 25.64 ÷ 4 = - 6 1/4
as Para. 18 (f)

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

Sheer }
18 (d) } ÷ 2 =
uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 6 1/2
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) } 1. 1 1/4 9 3/4
Difference 1. 1 1/4 3 1/4
Percentage as below 62.50 62.75

small bridge in front 9.57 + 8
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } + 4 1/2
Allowance for Deck Erections 9.12

	Length.	Length allowed.	Height.
Forecastle.....	24.16	3" overhang 24.41	
Bridge House	13.16	3" 13.28	
† Raised Qr. Dk.....	111.16	111.16	3-8
Poop.....		85	
Total		148.98	7517
Length of Ship		198	

Corresponding percentage }
(Para. 11, 12, 13, or 14) } 62.75 62.50

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, Table A	2' 4 1/2"
Correction for Sheer	- 6 3/4"
Correction for Length	+ 1 1/4"
Allowance for Deck Erections	1. 1 1/4 9 1/4
Correction for Round of Beam.....	1. 0 5/8 1 3/4
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required)	3 1/2
Additions for non-compliance with provisions of } Para. 11 (d) and (e) † }	8" 10 3/4
Other Corrections (if any) R.Q.D.....	3' 8"
Winter Freeboard	4' 5" 6 3/4
Summer Freeboard	4' 5 1/2" 4 3/4
Indian Summer Freeboard	
N. A. Winter Freeboard	

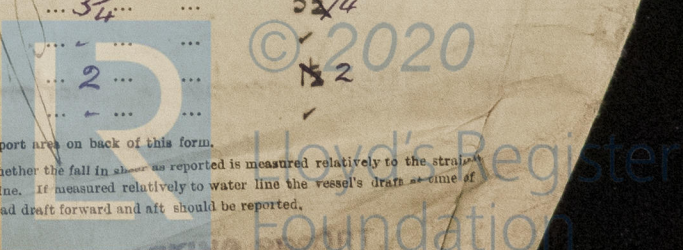
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. + 1 1/2"

Winter Freeboard from deck line	4' 6 1/2" 8
Summer " " " "	4' 5 1/2" 6
Indian Summer " " " "	
N. A. Winter " " " "	

Raised quarter
Winter (Iron) Deck:— 4' 6" ... 4' 5 1/2" 6
3 3/4
2
1 1/2

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.
In 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 vessels having poops and forecastles, it means the sheer measured at the stem and sternpost.
In vessels having poops and forecastles, it means the sheer measured at points distant from the stem and sternpost.

† 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. If 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? *Bulk angle framing*
 e 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*
 e 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*
 The thickness of the Bridge Front plating? *26* and Coaming plate? *40*
 Spacing and spacing of the Stiffeners *6" x 3" x 44 B. A. C 30" apart*
 Are 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*
 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*
 The Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *yes*
 The openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes*
 The 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?
 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.		N° 1 38.6 x 18.0		N° 2 32.0 x 18.0					
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK		36"		30"					
Thickness	Sides.....	44"		44"					
	Ends.....	44"		44"					
LIFTING BEAMS OR VEE BATTENS.	Number	seven		six					
	Section and Scantlings	7" 4 x 3" x 44 angles		7" 4 x 3" x 46 angles					
	Material	16/8 x 36"		16/8 x 36"					
LIFTING BEAMS OR VEE BATTENS.	Number	11		11					
	Section and Scantlings	4 x 3" x 44 angles		4 x 3" x 46 angles					
	Material	16/8 x 36"		16/8 x 36"					
LIFTING BEAMS OR VEE BATTENS.	Number	3		3					
	Section and Scantlings	4 x 3" x 44 angles		4 x 3" x 46 angles					
	Material	16/8 x 36"		16/8 x 36"					
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*

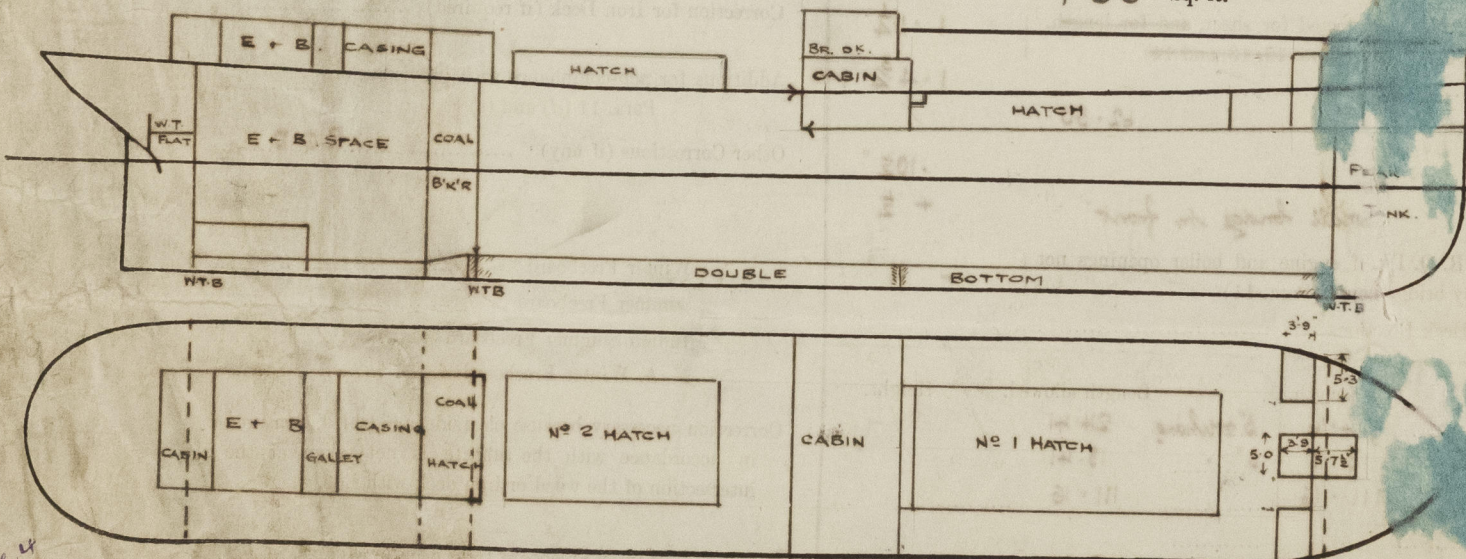
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

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. Tenth.	Ft. Tenth.	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 28. Standard Vessel Type "C4"*

Builders *Messrs Bamber & Nicholson, Ltd.*

Address *Southampton*

Fee £ *2 : 2 : 0*

Received by me

1/3/20



© 2020

Lloyd's Register
Foundation