

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. **3029**
(For London Office only.)

22 NOV. 1921

PARTICULARS RELATIVE TO ALL STEAM SHIPS WITH FLUSH DECKED, OR WITH CASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECK, OR CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey *Southampton*
Date of Survey *while Building*
Name of Surveyor *John A. Lowson*

Ship's Name
BELLASCO

Port of Registry and Nationality.
Hull

Official Number.
146433

Gross Tonnage.
ABOUT 2460

Date of Build.
1921

Particulars of Classification.

+100 A.1 Contemplated

Number in Register Book *36467*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>300.5</i>	<i>43.7</i>	<i>22.2</i>	<i>2228.56</i>
Length on LOADLINE.	<i>299.0</i>	Frame Depth <i>9 1/2</i> Rule <i>5 1/2</i> <i>stem fitted #</i> <i>- .66</i>	Ceiling <i>4.20</i> Sheer <i>- .49</i>	Peak <i>Includ</i> Tanks <i>in Tonnage</i>
CORRECTED DIMENSIONS.	<i>299.0</i>	<i>43.04</i>	<i>21.91</i>	<i>2228.56</i>

Co-efficient of fineness..... *.79*
Any modification necessary [Para. 4 (a) to (e)]* *608.*
Co-efficient as corrected *.77*

Sheer { Stem..... *72* } *96 ÷ 2 = 48* ...Mean *17.61 ÷ 36 = .49*
at { Sternpost ... *24* }
Sheer at $\frac{1}{2}$ of the length from { Stem *17.25* }
Sternpost *3.25* } *20.50 ÷ 2 = 10.25* ...Mean
Gradual mean Sheer *plotted* *22.29*
Standard mean Sheer [Table, Para. 18] *39.9* Correction
Difference..... *17.61 ÷ 4 = +4 1/2*

§ If limited as Para. 18 (f)

See shear diagram enclosed.

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *2-5 1/2*
Correction for Length, if required (Para. 12, 13, and 14) *+ 1/2*
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *5-9 1/4*
Difference *3-3 1/4*
Percentage as below..... *20.11%*
11.82

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) *- 11 3/4*
Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	<i>32.85</i>	<i>31.25</i>	<i>7.0</i>
Bridge House	<i>83.25</i>	<i>82.12</i>	<i>7.0</i>
† Raised Qr. Dk.....	<i>-</i>		
Poop.....	<i>28.16</i>	<i>28.16</i>	<i>7.5</i>
Total		<i>141.53</i>	
Length of Ship		<i>299.00</i>	<i>.473</i>

Corresponding percentage (Para. 12, 13, or 14) *20.11%*

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~W~~ (Iron) Deck:—

Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " " "
Winter North Atlantic Line " " "

Moulded Depth as measured..... *24' 5 1/2"*
Addition for Keel below base line for draught record..... *2 1/4* inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *299.0*
Length in Table *293.50*
Difference *5.50*
Correction for 10ft., Table A. *1.3* Table C. *.7*
× Difference divided by 10 *.715* (if required.) *.385*
If $\frac{1}{10}$ ths length covered divide by 2 *+ 1/2* *+ 1/2*

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered *.473*
Thickness of usual wood deck, less stringer *3 1/2"* *- 1 3/4*

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *43.5*
Round of Beam *10.75*
Normal round..... *10.75*
Difference $\div 2 =$
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 *5-4*
Correction for Sheer *+ 4 1/2*
Correction for Length *+ 3 1/4*
Allowance for Deck Erections *- 11 3/4*
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) *- 1 3/4*
Additions for non-compliance with provisions of Para. 11 (d) and (e) †
Other Corrections (if any)

Winter Freeboard *4-7 3/4*
Summer Freeboard *4-4*
Indian Summer Freeboard *4-0 1/4*
N. A. Winter Freeboard *4-9 3/4*

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~water~~ iron deck with side. *1 3/4*

Winter Freeboard from deck line *4-9 1/2*
Summer " " " *4-5 3/4*
Indian Summer " " " *4-2*
N. A. Winter " " " *4-11 1/2*

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Lloyd's Register
MARKING REPORT
RECEIVED 29.11.21

W369-0049

Do all the Frames extend to the top height in the 17' 9" *Yes* Raised Quarter Deck *Yes* Bridge House *Yes* Forecastle *Yes*
 To what height do the Reverse Frames extend? *across floor*
 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 *no openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Cotton plate with bolts this stiffers & plating under 6 apart*
 What is the thickness of the Bridge Front plates? *3/8* and Coaming plate? *1/2*
 Give scantlings and spacing of the Stiffeners *8 x 3 x 40 B. spaced 30" 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? *wood battens in channels riveted to bulkhead full height.*
 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? *Yes*
 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 *26 x 30 coaming, stiff 3 1/2 x 3 1/2 x 40 L, 30" apart*
 What is the height of the exposed Casings? *7.8* 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 For: 31'-6" x 21'-3"		32'-9" x 21'-3"		31'-6" x 21'-3"		31'-6" x 21'-3"			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	36	36	36	36	36	36	36	36		
COAMING. Thickness {	Sides.....	.44	.44	.44	.44	.44	.44	.44		
	Ends.....									
SHIFTING BEAMS OR WEB PLATES.	Number	6	6	6	6	6	6	6		
	Section and Scantlings	16" x 6" (62 lbs RS) on all hatches. alternate webs have angles fitted on top to prevent hatches moving.								
	Material									
* FORE AND AFTERS.	Number	Hatches laid fore & aft.								
	Section and Scantlings									
	Material									
HATCHES Thickness	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2		
Remarks.....	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	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? *5/8* Strake between Main and Bridge Sheerstrakes? *Yes*

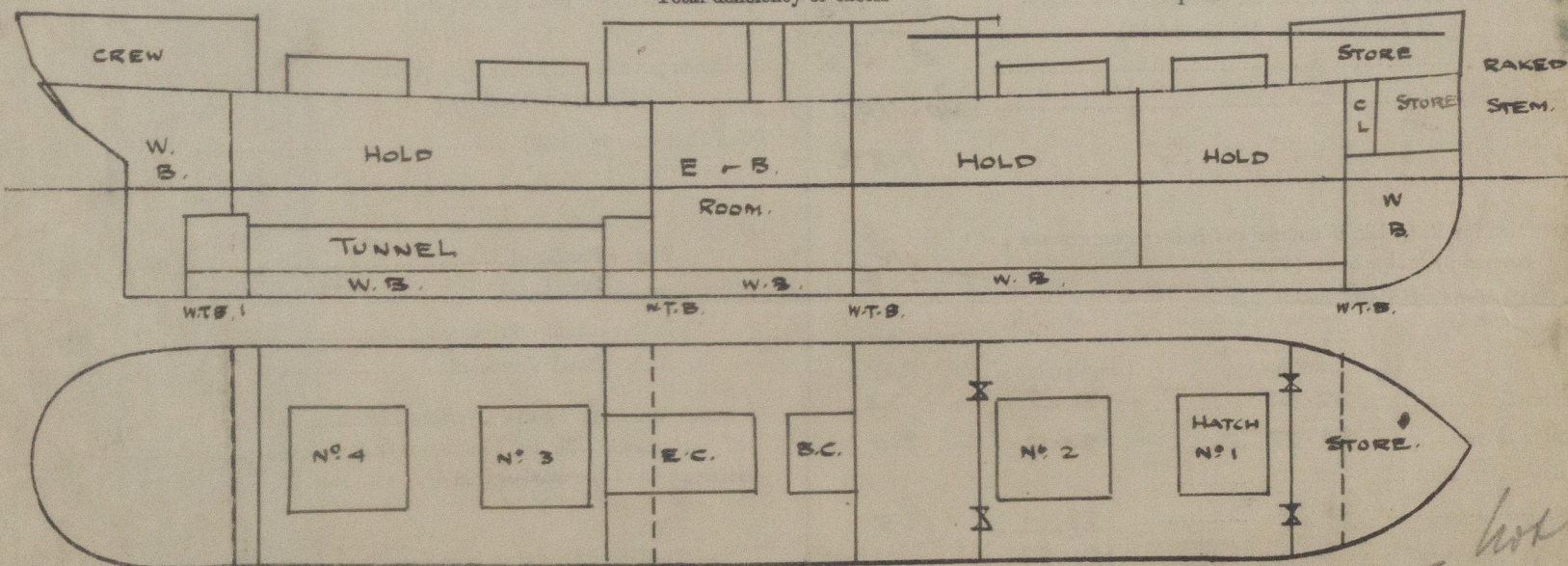
Delete the words { The Crew are, ~~are not~~, berthed in the bridge house. *Poop*.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well

Area of Freeing Ports required by Para. 11 (e) each side of vessel = ~~15.70~~ Sq. ft.

Ft. Tenth. Ft. Tenth. No. } Freeing Ports (each side of vessel) = 16.00 Sq. ft.

Total deficiency or excess = ~~30~~ 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.

Displacement and tons for met scales also sheer diagram hereon.

State any special features in the construction of the Vessel *this vessel has been built in accordance with the approved plans. The approved plans are in the London office with F.E. of sister vessel "ELIZABETH STONER" 300. REP. N° 11023. F.E. N° 10920.*

Builder, *Messrs Thornycroft & Co. Ltd.*

" Address *Woolston.*

Fee £ *7* : 0 : 0

Received by me *See L.C. Rpt.*



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