

Lloyd's Register Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

RELATING TO ~~ALL STEAM SHIPS, EITHER FLUSH-DECKED, OR WITH~~
~~ANT FORECASTLES, SHORT POOPS, AND BRIDGE HOUSES, DISCONNECTED, OR~~
~~GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS~~
~~CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.~~

Port of Survey Sunderland
Date of Survey Whale Building
Name of Surveyor James Dickie

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>S.S. BACTRIA</u>	LONDON BRITISH.	160411 ✓	✓	1928	✠ 100 A1. CONTEMPLATED.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	292.8	45.0	20.35	2085.45
Length on LOADLINE.	292.0	^{mean} Frame Depth 7 1/4 Ryle 5 1/2 15.22 = 34 1/2 20.33 at margin. Spacing filled.	UNDER HATCHES. Ceiling + 20 Sheer + 53 1/2 1 1/2 drop in Tank + 06	Peak Tanks } included
NET TONS.	292.0	44.75 67	21.189	2085.45

Moulded Depth as measured..... 22'-6"

Addition for Keel below base line
for draught record..... $1\frac{3}{4}$ inches.

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

Percent of fineness..... *.754 -*

Modification necessary } *Call \$B-.02*

[Para. 4 (a) to (e)]* }

Co-efficient as corrected *.73 -*

60.00
40.00

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	292.0	
Length in Table	270.0	
Difference	22.0	
Correction for 10ft., Table A.	1.2	Table C. .6
× Difference divided by 10	2.64	(if required.) 1.32
If $\frac{6}{10}$ ths length covered divide by 2	+ 2 $\frac{3}{4}$	+ 1 $\frac{1}{4}$

3920

Sheer { Stem..... 78 } $117 \checkmark \div 2 = 58.5 \dots$ Mean
at { Sternpost ... 39 }

$\frac{36}{2} | 20.0580$
 $.556 .58$

Sheer at $\frac{1}{8}$ of the length from { Stem 44 } $66 \checkmark \div 2 = 33 \dots$ Mean
Sternpost 22 } $\div 55 = 60 \checkmark$

Gradual mean Sheer ... $\frac{58.5 + 60.0}{2} = 59.25 \checkmark$

Standard mean Sheer [Table, Para. 18] $39.20 -$ Correction

Difference..... $20.05 \div 4 = 5.01 \checkmark$

§ If limited as Para. 18 (f)
- 5 [✓]

	CORRECTION FOR IRON DECK.	5409 "
Proportion covered, if less than $\frac{7}{10}$ ths length covered		32
Thickness of usual wood deck, less stringer	=	1.893 -

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

¶ Fall in Sheer	{	✓	÷ 2 =	✓
Para. 18 (d)				
Length uncovered				Correction

CORRECTION FOR ROUND OF BEAM.		NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.
Breadth at Gunwale amidships.....	44' 6"	
Round of Beam	11"	
Normal round.....	11 $\frac{1}{8}$ -	
Difference	$\frac{1}{8}$ - $\div 2 =$ $\frac{1}{16}$ -	
Proportion of Deck uncovered (Para. 19)		✓

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

ALLOWANCE FOR DECK ERECTIONS :—	
Freeboard, Table C.....	1'-10"
Correction for Length, if required (Para. 12 , 13, and 14)	+ 1 1/4"
	<hr/> 1'-11 1/4"
Freeboard by Table A. corrected for sheer, and for length, {	
if required (Para. 12 , 13, and 14) }	4'-4 1/4"
Difference	<hr/> 2'-5"
Percentage as below.....	30%
	<hr/> 8'-7 1/4"

Freeboard, Table A	4' 6 $\frac{1}{2}$ "
Correction for Sheer	- 5"
	<hr/> 4' 1 $\frac{1}{2}$ "
Correction for Length	+ 2 $\frac{3}{4}$ "
	<hr/> 4' 4 $\frac{1}{4}$ "
Allowance for Deck Erections	- 8 $\frac{3}{4}$ "
	<hr/> 3' 7 $\frac{1}{2}$ "
Correction for Round of Beam.....	✓
Correction for fall in Sheer (if any).....	✓
Correction for Steel Deck (if required)	- 2"
	<hr/> 3' 5 $\frac{1}{2}$ "
Additions for non-compliance with provisions of {	✓
Para. 11 (d) and (e) ‡	}
Other Corrections (if any)	✓

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

Allowance for Deck Erections - 8 ³/₄ ✓

Winter Freeboard	3.5 $\frac{1}{2}$
Summer Freeboard	3.2
Indian Summer Freeboard	2.10 $\frac{1}{2}$
N. A. Winter Freeboard	3.7 $\frac{1}{2}$

uses.	Length.	Length allowed.	Height.
$\frac{22}{2} = 1.06$			
Forecast.....	28.3 $\frac{1}{2}$	29.35	7.9"
Bridge House	128.7 $\frac{1}{2}$	128.62	7.9
Raised Qr. Dk.	✓	✓	✓
Poop.....	✓	✓	✓
Total		<u>157.97</u>	<u>54.69</u>
Length of Ship		292.0	
Corresponding percentage {	Limited to 30% ✓		
(Para. 11 , 12, 13, 14)			

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood or~~ steel deck with side.

Winter Freeboard from deck line $3' 7\frac{1}{4}"$
Summer " " " " $3' 3\frac{3}{4}"$
Indian Summer " " " $3' 0\frac{1}{4}"$
N A Winter $3' 9\frac{1}{4}"$

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck

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

Line, Wood (Steel) Deck: — 3. 32¹/₂ —
 54¹/₄ —
 32¹/₂ —
 32¹/₂ —
 52¹/₂ —

MARKING FORM

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3233

celling are of unusual thickness the breadth of vessel to inside if possible.

For deck erections under Para. 11 where the sheer drops abaft amid to be taken from the level of the top of the amidship beam.

Standard mean sheer means the sheer measured at the stem and stern-
and forecasts, it means the sheer measured at points distant
from stem and stern-post

+ State dimensions of freeing port area on back of this form.

The Surveyor should state whether the full 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.

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Lloyd's Register
Foundation

Do all the Frames extend to the top height in the Poop?

To what height do the Reverse Frames extend?

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating?

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners?

Has the Bridge House an efficient 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?

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 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.	No. 1. 22' 5 1/2" x 17' 6"		No. 2. 24' 6" x 17' 6"		No. 3. (BRIDGE) 14' 3 1/2" x 24' 0"		No. 4. (BRIDGE) 14' 3 1/2" x 24' 0"		No. 5. 22' 5 1/2" x 17' 6"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	30"	30"	30"	30"	30"	30"	30"	30"	30"
	Sides.....	44	44	44	44	44	44	44	44	44
	Thickness	44	44	44	44	44	44	44	44	44
SHIFTING BEAMS OR WEB PLATES.	Number.....	4	4	2	2	4	4	4	4	4
	Section and Scantlings.....	4 x 3 x 42	4 x 3 x 44	5 x 3 1/2 x 46	5 x 3 1/2 x 46	4 x 3 x 42	4 x 3 x 42	4 x 3 x 42	4 x 3 x 42	4 x 3 x 42
	Material.....	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
* FORE AND AFTERS.	Number.....			NONE						
	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	2 1/2	2 1/2
Remarks.....			SATISFACTORY.							

* 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~~, berthed in the ~~bridge house~~. FORECASTLE.

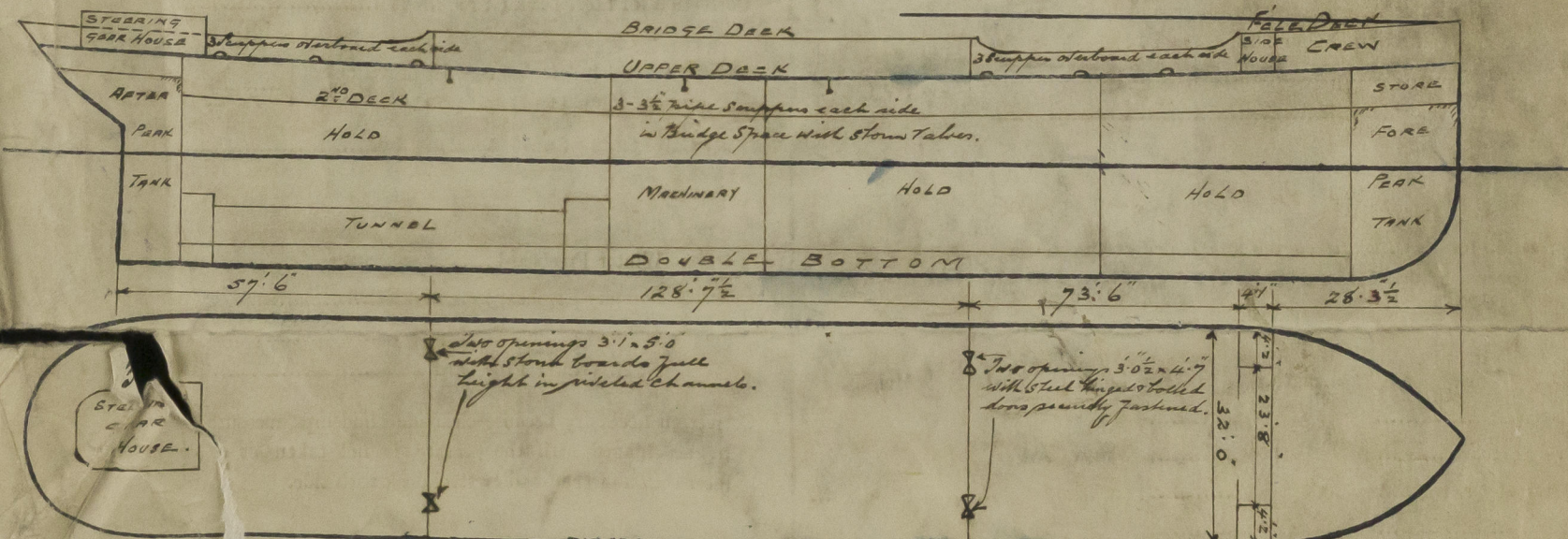
that do not apply The arrangements to enable them to get backwards and forwards from their quarters are, ~~are~~ satisfactory.

Length of Bulwarks in well Forward 73' 6" x 3' 6" high. Aft 57' 6" x 3' 6" high.

Area of Freeing Ports required by Para. 11 (e) each side of vessel = Aft = 11.50 Sq. ft. } = 26.20

Ft. Tenths. Ft. Tenths. No. } Forward = 15.96 } = 29.88
(each side of vessel) = Aft = 13.92 }
Forward = 4.0 x 1.33 x 3
Aft = 3.0 x 1.16 x 4

Total deficiency or excess = 3.68 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

Builder's name and yard number Joseph L. Thompson & Sons Ltd. 20561.

Names of sister vessels S.S. "Boonia".

Owners America-Lesant Line Ltd.

Address London

£ 6 : 8 : 4

Received by me See F.C. Report

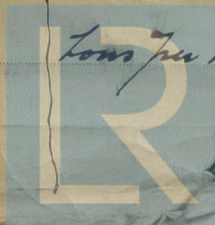
to be changed on completion

The Builder state that

tunnel has a displacement

5405 tons on 19' 6 1/2" draught

tons per inch of 26.0



Lloyd's Register of Shipping