

VERIFICATION REPORT.

FORM No. 9 ATTACHED

Lloyd's Register of Shipping.

Index No. **28420**
(For London Office only.)
TUE. APR. 30 1921

SURVEYS FOR FREEBOARD-STEAM SHIPS.

PARTICULARS RELATING TO ~~THE~~ STEAM SHIP ~~EITHER FLUSH DECKED, OR WITH~~
~~TOTAL GAIN~~ FORECASTLE, SHORT POOP, AND BRIDGE HOUSE, DISCONNECTED, ~~OR~~
~~WITH~~ ~~IF~~ GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
~~CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.~~

Port of Survey Sunderland
Date of Survey 26/3/21 While building
Name of Surveyor James Dickie

J. P. Austin & Son No 293.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>S.S. "ZELO."</u>	<u>Newcastle</u>	<u>145457</u>	<u>2294.42</u>	<u>1921.</u>	<u>100A1. CONTEMPLATED.</u>
Number in Register Book <u>✓</u>	<u>British.</u>				

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>308'0"</u>	<u>43'0"</u>	<u>19'75"</u>	<u>2011.85</u>
Length on LOADLINE.	<u>307.16</u>	Frame Depth <u>9'0"</u> Ceiling <u>+20"</u> Peak <u>INCLUDED</u>	Rule <u>"5"</u> Sheer <u>+74"</u> Tanks <u>INCLUDED</u>	
		<u>-66'58" 3/4</u> <u>SPAR CEILING FITTED.</u>		
4p CORRECTED DIMENSIONS.	<u>307.16</u>	<u>42.34</u> <u>42</u>	<u>20.69</u>	<u>2011.85</u>

Moulded Depth as measured..... 22'0"
Wood deck less stringer. -3 1/2"
21'8 1/2"

Addition for Keel below base line for draught record..... 1 3/4 inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 307.16
Length in Table 260.5
Difference 46.66
Correction for 10ft., Table A. 1.2 Table C. .6
× Difference divided by 10 5.59 (if required.) 2.80
If 1/10ths length covered divide by 2 +5 1/2 +2 3/4

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered385
Thickness of usual wood deck, less stringer Correction in Moulded Depth.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 42.0
Round of Beam 10 1/2
Normal round..... 10 1/2
Difference ✓ ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19) ✓

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

RE Co-efficient of fineness..... .75 .746
Any modification necessary [Para. 4 (a) to (e)]* 6.5.13. - .02
Co-efficient as corrected73

Sheer { Stem..... 90 } 135 ÷ 2 = 67.5 Mean 37.125 = 67.5
at { Sternpost ... 45 }
Sheer at 1/2 of the length from { Stem 49.50 } 74.25 ÷ 2 = 37.125 Mean
{ Sternpost 24.75 }
Gradual mean Sheer 67.5
Standard mean Sheer [Table, Para. 18] 40.7 Correction
Difference..... 26.8 ÷ 4 = 6.70
§ If limited as Para. 18 (f) -6 3/4

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

¶ Fall in Sheer { ÷ 2 = Lowest point of sheer
Para. 18 (d) } amidships.
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 1.7 3/4
Correction for Length, if required (Para. 12, 13, and 14) +2 3/4
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 4.2
Difference 2.3 1/2
Percentage as below..... 24 1/2
-6 3/4 6.54

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓
Allowance for Deck Erections -6 1/2

	Length.	Length allowed.	Height.
Forecastle.....	<u>29'0"</u>	<u>29'0"</u>	<u>7.5</u>
Bridge House (including 2'0" Planking Each End.)	<u>66'0"</u>	<u>64.5</u>	<u>7.5</u>
† Raised Qr. Dk.....	<u>✓</u>	<u>✓</u>	<u>✓</u>
Poop.....	<u>25'0"</u>	<u>25'0"</u>	<u>7.5</u>
Total		<u>118.5</u>	<u>= 38.56</u>
Length of Ship	<u>307.16</u>		

Corresponding percentage { 24 1/2 ✓
(Para. 11, 12, 13, or 14)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, STEEL Deck:—
Fresh Water Line above centre of Disc 4 1/2
Indian Summer Line " " " 3
Winter Line below " " 3
Winter North Atlantic Line " " " 5

Winter Freeboard 3' 7 1/4
Summer Freeboard 3' 4 1/4
Indian Summer Freeboard 3' 1 1/4
N. A. Winter Freeboard 3' 9 1/4

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. 1 3/4

Winter Freeboard from deck line 3' 9 1/4
Summer " " " 3' 6 1/4
Indian Summer " " " 3' 3 1/4
N. A. Winter " " " 3' 11 1/4

† 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 the water line the vessel's draft at time of survey, and also the usual load draught forward and aft should be reported.

RECEIVED 30.9.21

1210 01500 496300

Do all the Frames extend to the top height in the Poop? *Yes* Raise Quarter Deck? *✓* Bridge House? *alternately* Forecastle? *✓*

To what height do the Reverse Frames extend? *Bulb angle framing*

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 Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *no openings*

What is the thickness of the Bridge Front plating? *3/16* and Coaming plate? *1/4 0*

Give scantlings and spacing of the Stiffeners *7 x 3 x 5/16 bulb angles, 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? *Shifting boards full height in riveted channels. Two openings 5'3" x 3'.*

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? *✓*

Give thickness of plating; scantlings and spacing of Stiffeners *✓*

What is the height of the exposed Casings? *7'0" x 3'6"* 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. ✓ As approved*

Position and Size.		N ^o 1-32'0" x 24'6" - 14'0"		N ^o 2-34'0" x 26'0"		N ^o 3-38'0" x 26'0"		N ^o 4-38'0" x 25'0" - 18'6"			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	42"	42"	42	42	42	42	42	42		
	Thickness	Sides.....	.50	.50	.50	.50	.50	.50	.50		
		Ends.....	.44	.44	.44	.44	.44	.44	.44	.44	
SHIFTING BEAMS OR WEB PLATES.	Number	3	3	3	3	3	3	3	3		
	Section and Scantlings	30' x 44' Centre. 19' x 44' Sides.	Same as N ^o 1.		Same as N ^o 1.		Same as N ^o 1.		Same as N ^o 1.		
	Material	Steel.									
* FORE AND AFTERS.	Number	5	5	5	5	5	5	5	5		
	Section and Scantlings	3 1/2' x 3 1/2' x 50' 3/4' 3' x 3' x 40' 4' Plate 12' x 50' 4' 9' x 3 1/2' x 50' 3' x 3' x 40'	Same as N ^o 1.		Same as N ^o 1.		Same as N ^o 1.		Same as N ^o 1.		
	Material	Steel	Steel								
HATCHES Thickness		3	3	3	3	3	3	3	3		
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?

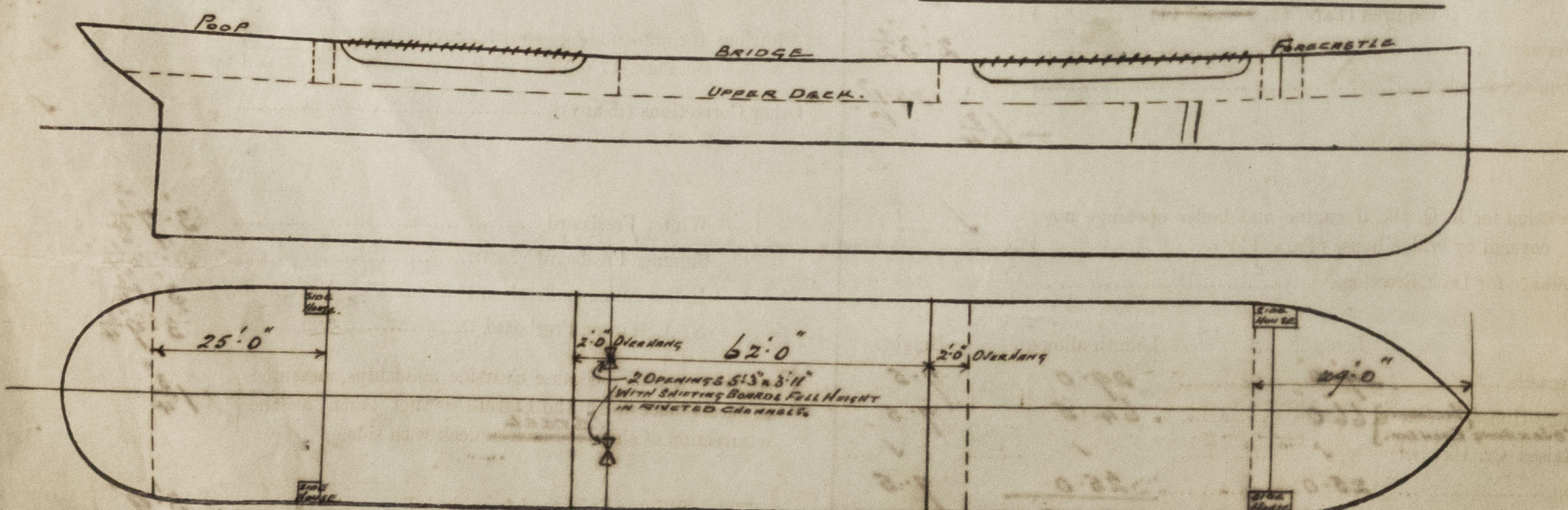
Delete the words { The Crew are, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

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

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

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 *Preliminary Assignment dated 28th November 1919.*
Copies of approved plans are in the London Office.

Owners *✓*

Address *✓*

Fee £

7 : 0 : 0

Received by me *✓*

Will be charged on completion.



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