

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Particulars relating to ALL STEAM SHIPS EITHER PLUSH DECKED, OR WITH
TOP GALLANT 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 SunderlandDate of Survey Aug. 19th 1919Name of Surveyor W. E. Wray.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>W. & Co. "CYPRIAN PRINCE"</u>	<u>Newcastle U.K.</u>	<u>142842</u>	<u>3100 Approx</u>	<u>1919</u>	<u>100 A.I. Contemplated.</u>
Number in Register Book <u>11359</u>					

Registered Dimensions from this Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>331.3</u>	<u>46.8</u>	<u>23.2</u>	<u>2831.39</u>
Length on LOADLINE.	<u>330.625</u>	Frame Depth <u>10</u> Rule <u>5 1/2</u> <u>4 1/2</u> = <u>75</u> Cargo Ballast fitted	Ceiling <u>+ 20</u> Sheer <u>+ 1.00</u>	Peak } Incl. Tanks }
CORRECTED DIMENSIONS.	<u>330.625</u>	<u>46.05</u>	<u>24.40</u>	<u>2831.39</u>

Moulded Depth as measured..... 25' 6"

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

Addition for Keel below base line for draught record..... 2 1/2 inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>330.625</u>	
Length in Table	<u>306.00</u>	
Difference	<u>24.625</u>	
Correction for 10ft., Table A.	<u>1.3</u>	Table C. <u>1.7</u>
× Difference divided by 10	<u>3.20</u>	(if required.) <u>1.72</u>
If 1/10ths length covered divide by 2	<u>+ 3 1/4</u>	<u>+ 1 3/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>.48</u>	
Thickness of usual wood deck, less stringer	<u>3 1/2</u>	<u>- 1 3/4</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>46.5</u>	
Round of Beam	<u>12"</u>	
Normal round.....	<u>11 3/4</u>	
Difference	<u>4</u>	<u>÷ 2 =</u>
Proportion of Deck uncovered (Para. 19)		

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

Co-efficient of fineness..... .762
Any modification necessary }
[Para. 4 (a) to (e)]* }
Co-efficient as corrected742

Sheer { Stem..... 102 } 157 ÷ 2 = 78.5 Mean 45.5 = 79.09
 { Sternpost ... 55 }
Sheer at 1/2 of the length from { Stem 58 } 87 ÷ 2 = 43.5 Mean
 { Sternpost 29 }
Gradual mean Sheer 78.50 + 79.09 = 78.79
Standard mean Sheer [Table, Para. 18] 45.06 Correction
Difference..... 35.73 ÷ 4 = 8.93
If limited as Para. 18 (f) - 9"

Rise in Sheer { At front of bridge house..... ✓
from amidships }
Para. 18 (e) { At after end of forecastle ✓
Fall in Sheer }
Para. 18 (d) } ÷ 2 =
Length uncovered ✓ Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>2.8 1/2</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>+ 1 3/4</u>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>5.2</u>
Difference	<u>2.3 3/4</u>
Percentage as below.....	<u>31.04%</u>
	<u>= - 8.61</u>

if engine and boiler openings not for Deck Erections (Para. 11) ✓

	Length.	Length allowed.	Height.
Forecastle.....	<u>28.25</u>	<u>28.25</u>	<u>7.5</u>
Bridge House.....	<u>98.00 + (24 1/2 × 3/4)</u>	<u>99.53</u>	<u>7.5</u>
† Raised Qr. Dk.....	<u>✓</u>	<u>✓</u>	<u>✓</u>
Poop.....	<u>33.00</u>	<u>33.00</u>	<u>7.5</u>
Total.....	<u>159.25</u>	<u>160.78</u>	<u>✓</u>
Length of Ship.....	<u>330.625</u>	<u>330.625</u>	<u>= 48.63</u>

Corresponding percentage {
(Para. 11, 12, 13, or 14) } 31.04%

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 " " "

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
Vessels 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 amidships beam.
In vessels having poops and forecastles, it means the sheer measured at the stem and stern, eighth of the vessel's length from stem and stern-post.

Winter Freeboard	<u>4-4</u>
Summer Freeboard	<u>3-11 1/4</u>
Indian Summer Freeboard	<u>3-7 1/2</u>
N.A. Winter Freeboard	<u>✓</u>

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 3/4

Winter Freeboard from deck line	<u>4-5 3/4</u>
Summer " " " "	<u>4-1 1/2</u>
Indian Summer " " " "	<u>3-9 1/4</u>
N.A. Winter " " " "	<u>✓</u>

† State dimensions of ceiling 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 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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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulk 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 *One H.T. Accommodation Door.*
 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 *2 Steel N.T. Doors.*
 What is the thickness of the Bridge Front plating? *.38* and Coaming plate? *.42*
 Give scantlings and spacing of the Stiffeners *8 x 3 x .50 B.A. 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? *Storm Boards Full Height in Riveted Channels.*
 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
 What is the height of the exposed Casings? *4'-0" + 7'-0"* 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 26'-6 1/2" x 18'-0"	No. 2 26'-6 1/2" x 18'-0"	No. 3 26'-6 1/2" x 18'-0"	No. 4 26'-6 1/2" x 18'-0"	Rule.	Ship.	Rule.	Ship.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING								
Height above top of DECK	30"		34"		30"		30"	
Thickness								
Sides	.44		.44		.44		.44	
Ends	.44		.44		.44		.44	
SHIFTING BEAMS OR WEB PLATES.								
Number	4		As for No. 1		As for No. 1		As for No. 1	
Section and Scantlings	7 1/2" Plate 16" x .38							
Material	Angles 4 x 3 x .44							
	STEEL							
* FORE AND AFTERS.								
Number		No	FORE		and		AFTERS	
Section and Scantlings								
Material								
HATCHES Thickness	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 Lead 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 Sheer Deck Rules.
 What is the thickness of the Bridge Sheerstrake? *Strake between Main and Bridge Sheerstrakes?*

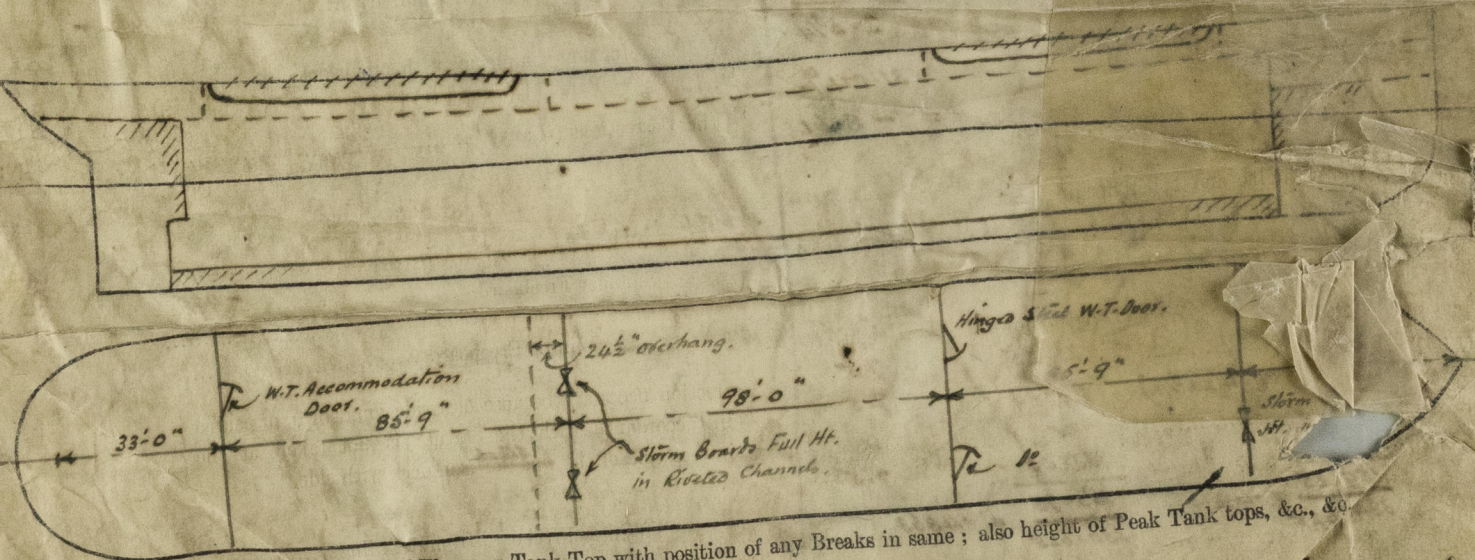
Delete the words *The Crew are, are not, berthed in the bridge house.*
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

Length of Bulwarks in well = Sq. ft.

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

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 *This vessel is of the Standard C type, + has been built in accordance with the approved plans, copies of which are in the Log.*
The vessel is a duplicate of the same builders S.S. 'Kai-anna' Sla. Repat. No. 1
 Owners
 Address
 Fee £ *51* : *5* : *0* Received by me *25/9/1908*



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