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Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD. STEAM SHIPS.

Particulars relating to all steam ships either flush decked, or with
pallant forecastles, short poops and bridge houses disconnected, or
the top gallant forecastles having long poops, or raised quarter decks
connected with bridge houses, or otherwise.

Port of Survey *Portland Oregon*
Date of Survey *While building*
Name of Surveyor *A. G. House*

Ship's Name. ST NAUNA	Port of Registry and Nationality. PORTLAND OREGON	Official Number. 6188-29	Gross Tonnage. 1918	Date of Build. 1918	Particulars of Classification. + 100 A. 1. Contemplated
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Registered Length on ADLINE.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	409.8	54.2	27.7	5138.92
	410.45			
	410.45	53.70	28.51	5138.92

Efficient of fineness..... **.82**
Any modification necessary [Para. 4 (a) to (e)]* **.02**
Efficient as corrected **.80**

Sheer { Stem..... **124.0**
at { Sternpost... **91.5** } $175.5 \div 2 = 87.75$... Mean

Sheer at $\frac{1}{2}$ of the length from { Stem **62.5**
Sternpost **44.75** } $77.25 \div 2 = 38.625$... Mean

Gradual mean Sheer **70.22** ... Correction

Standard mean Sheer [Table, Para. 18] **57.64**

Difference..... **19.18** $\div 4 = -4.795$

If limited as Para. 18 (f)

Rise in Sheer { At front of bridge house.....
from amidships { At after end of forecastle

Fall in Sheer { **5.3** $\div 2 = 2.65$
Para. 18 (d) { *Covered by bridge*

Length uncovered *Lowest point of Sheer 51'-9" abaft amidships*

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... **4-6 1/2**

Correction for Length, if required (Para. 12, 13, and 14) **3 3/4**

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) **8-0**

Difference **3-1 1/2**

Percentage as below..... **32%**

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

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	46-6	46-5	8-6
Bridge House	114-9	114-7 1/2	8-6
† Raised Qr. Dk.....			
Poop.....	43-9	43-7 1/2	8-6
Total		205.00	50
Length of Ship	410.45		
Corresponding percentage (Para. 11, 12, 13, or 14)			32%

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	" " "	...

† If the frames, skin planking, or ceiling are of unusual thickness the weight should be reported if possible.

† The height of the R.Q.D. is to be taken from the level of the top of the main-deck beam.

† In vessels having poops and forecastles, it means the sheer at one eighth of the vessel's length from stem and stern-post.

Moulded Depth as measured..... **30-2 3/8**

Addition for Keel below base line for draught record..... **2.04** inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... **410.45**

Length in Table **362.37**

Difference **48.08**

Correction for 10ft., Table A. **1.5** Table C. **.50**

× Difference divided by 10 **7.20** (if required.) **3.84**

If $\frac{1}{10}$ ths length covered divide by 2 **+7 1/4** **+ 3 3/4**

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered **.50**

Thickness of usual wood deck, less stringer **3 1/2 - 1 1/4**

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **54'-0"**

Round of Beam **13 1/2**

Normal round..... **13 1/2**

Difference $\div 2 =$

Proportion of Deck uncovered (Para. 19)

Freeboard, Table A

Correction for Sheer **-4**

Correction for Length **7-**

Allowance for Deck Erections **8-**

Correction for Round of Beam..... **1-**

Correction for fall in Sheer (if any)..... **7-**

Correction for Iron Deck (if required) **6-10 1/2**

Additions for non-compliance with provisions of Para. 11 (d) and (e) †

Other Corrections (if any)

Winter Freeboard **6-10 1/2**

Summer Freeboard **5 1/4** **6-5**

Indian Summer Freeboard **5-11 1/4**

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

Winter Freeboard from deck line **7-0**

Summer " " " " **6-6 3/4**

Indian Summer " " " " **6-1 1/2**

N.A. Winter " " " " **6-6 1/2**

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 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*
 To what height do the Reverse Frames extend? *Channel Frames except in Poop*
 Has the Poop Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged W.T. door 4'-0" x 2'-0" - 20" Coaming*
 Is the Poop Deck connected with the Bridge House? *No*
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged W.T. door 4'-0" x 3'-0" - 20" Coaming*
 What is the thickness of the Bridge Front plating? *40"* and Coaming plate? *44"*
 Give scantlings and spacing of the Stiffeners *8" x 3 1/2" x 26.5 lb. Channels 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? *Steel hinged W.T. door 3'-0" x 4'-0" - 20" Coaming*
 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, *Deep, Raised*
 Quarters 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? *✓*
 Are suitable means provided for closing all openings in them in bad weather? *✓*
 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 29'-3" x 17'-0"		No. 2 3'-6" x 17'-0"		No. 3 15'-9" x 17'-0"		No. 4 29'-3" x 17'-0"		No. 5 27'-0" x 17'-0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	36"	36"	Same as No. 1		Same as No. 1		Same as No. 1		Same as No. 1	
COAMING Thickness	Sides	50	Same as No. 1		Same as No. 1		Same as No. 1		Same as No. 1	
	Ends	50	Same as No. 1		Same as No. 1		Same as No. 1		Same as No. 1	
SHIFTING BEAMS OR WEB PLATES	Number	5	5		3		5		5	
	Section and Scantlings	PLATE 16x30	Same as No. 1		Same as No. 1		Same as No. 1		Same as No. 1	
	Material	STEEL	Same as No. 1		Same as No. 1		Same as No. 1		Same as No. 1	
* FORE AND AFTERS.	Number		None		None		None		None	
	Section and Scantlings		None		None		None		None	
	Material		None		None		None		None	
Hatchway Thickness	3"	3"	3"		3"		3"		3"	
Remarks	Good		Good		Good		Good		Good	

* 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.)

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.
 Is the thickness of the Bridge Sheerstrake? *Strake between Main and Bridge Sheerstrakes?*

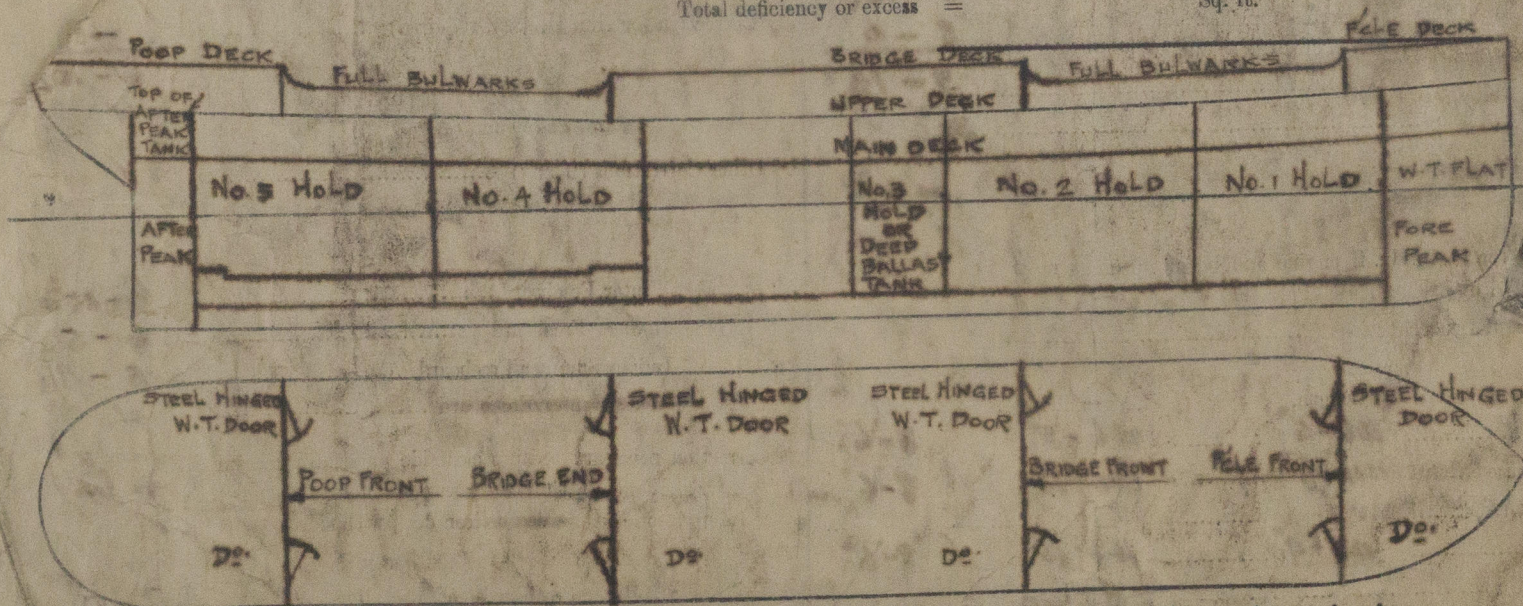
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

Area of Freeing Ports required by Para. 11 (e) 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

Same firm

Sister ship to West Zeda built by the

Owners

The Emergency Fleet Corporation

Address

Fee \$ 50.00

Received by me



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