

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Name of Surveyor *Wander Hovestree*

Particulars of Classification.

1925-

*conveniences*  
Particulars of Classification.  
#100A1. with feet & corresponding  
to a muscled draft of 12 ft. "For channel  
service Waymouth & Channel Islands."

Moulded Depth as measured..... 7.0 To main deck  
2" Imposter line  
Rule 3/4 way <sup>Rule at 2'</sup> 1 1/2  
Addition for Keel below base line 16 1/2  
for draught record..... inches.

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

Co-efficient of fineness..... *.67 - 614*

Any modification necessary }  
[Para. 4 (a) to (e)]\* }

Co-efficient as corrected ..... *.68 lowest in table*

Sheer { Stem.....  $60^{\circ}$  }  $81\frac{1}{2} \div 2 = 40\frac{3}{4}$  ... Mean  
 at { Sternpost ...  $21\frac{1}{2}$  }

Sheer at  $\frac{1}{2}$  of the length from { Stem  $34\frac{7}{8}$  }  $46\frac{1}{2} \div 2 = 23\frac{1}{4}$  ... Mean  
 { Sternpost  $11\frac{5}{8}$  }  $\div 5.5 = 42.2$

Gradual mean Sheer ~~allow  $42.27$~~   $41.87$  corrected

Standard mean Sheer [Table, Para. 18] .....  $38.40$  Correction

Difference.....  $3.881 \div 4 = .87$

§ If limited as Para. 18 (f) .....  $7\frac{1}{8} - 3\frac{1}{8}$

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 .....		Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....

Correction for Length, if required (~~Para. 12, 13, and 14~~) *Para. 11*

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 2.8 ~~3/8~~ 9/4

Difference .....  
Percentage as below.....

~~100%~~  
2 - 0% ✓  
~~88%~~  
87.1%  
21.52 ✓

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

Allowance for Deck Erections ..... ~~1-8 1/4~~ 1-8 1/2 ✓

	Length.	Length allowed.	Height.
Forecastle.....	18.0 closed 8.0 open	194.0 <del>190.85</del>	7'-8"
Bridge House .....	18'-0" x 28'-0" wide		
+ Raised Q. Bk. ....		64.0	7'-8"
Poop.....	62.0 closed 4.0 open	<del>63.40</del>	
Total .....		258.0 <del>254.25</del>	= .921
Length of Ship .....		280.00	.90%
Corresponding percentage {	85%		
(Para. 11, 12, 13, or 14) {	87.1%		

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

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

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CORRECTION FOR LENGTH.	
Length of Ship on Loadline.....	280.0
Length in Table .....	<del>202.5</del> 204
Difference .....	<del>77.5</del> 76
Correction for 10ft., Table A. ....	1.1 Table C.
× Difference divided by 10 .....	<del>.862</del> 8.6 (if required.)
If $\frac{6}{10}$ ths length covered divide by 2	4.18

465  
159

CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ th length covered .....  $1\frac{1}{2}$ "

Thickness of usual wood deck, less stringer .....  $3\frac{1}{2}$ "

~~allowed in deck bulk -~~  $1\frac{1}{2}$ "

*Composition on deck stringer*

CORRECTION FOR ROUND OF BEAM	
Breadth at Gunwale amidships.....	40.0
Round of Beam .....	11. ✓
Normal round.....	10. ✓
Difference .....	1 ✓
	÷ 2 = .....
Proportion of Deck uncovered (Para. 19) .....	cover

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

Freeboard, Table A .....	2. <del>9</del> <sup>10</sup>
Correction for Sheer .....	- <del>7</del> <sup>3</sup> / <sub>4</sub>
	<hr/> 2. <del>8</del> <sup>9</sup> <sub>4</sub>
Correction for Length .....	- <del>5</del> <sup>4</sup> <sub>4</sub>
	<hr/> 3. <del>1</del> <sup>9</sup> <sub>4</sub> <sup>1</sup> / <sub>2</sub>
Allowance for Deck Erections .....	- <del>1</del> <sup>8</sup> <sub>4</sub> <sup>9</sup> / <sub>2</sub>
	<hr/> 1. <del>5</del> <sup>3</sup> <sub>4</sub> 4

Correction for fall in Sheer (if any).....

2" <sup>on</sup> ~~long~~ ~~allowance~~ ~~for in height~~ ~~of~~ ~~hull~~

Correction for Steel Deck (if required) .....

Additions for non-compliance with provisions of } ..... }

Para. 11 (d) and (e) †

Other Corrections (if any) ~~Designated draft~~ ~~12-11~~ + ~~2-9 5/8~~ 3" 0/8

To correspond with a designated draft of 12-11 (moulded) 4-3 4" 3/4

Height of Lumber Deck 7-8

Winter Freeboard ..... ~~11-11~~ 11-11

Summer Freeboard ..... ~~11-9 1/2~~ 11-9 1/2

Indian Summer Freeboard ..... ~~11-7~~ 11-7

N. A. Winter Freeboard ..... ~~12-11~~ 12-11

} 4" 3/4

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.

Winter Freeboard from deck line .....	<del>12-0</del>	} 4'-5"
Summer " " " " .....	<del>11-9½</del>	
Indian Summer " " " " .....	<del>11-7</del>	
N.A. Winter " " " " .....	<del>12-0</del>	
<i>above composition of</i>		
Line/Wood (Steel) Deck :— ...	4"-5" 4'-9½" 4'-5"	For all sea.

Handwritten notes and markings on the page, including a large blue 'B' and a date stamp '© 2020'.

If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.  
 In 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 amidship beam.  
 In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† 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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005321-005324-0156

Copy to L.S. 1.5.25  
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MARKING FORM  
1 - MAY 1925  
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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? *alternate to main & lower decks, all to main deck in 8th B. at 11*  
 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 *hinged doors*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *joined*  
 Give particulars of the means for closing the openings in Bulkhead *yes*  
 What is the thickness of the Bridge Front plating? *yes* and Coaming plate? *yes*  
 Give scantlings and spacing of the Stiffeners *yes*  
 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? *hinged doors*  
 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? *joined to*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by Bridge -*  
 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? *7-6 above from deck* 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. 8'-0" x 8'-0"		No. 2. 10'-0" x 10'-0"							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	2 1/2		2 1/2							
	Sides	.34		.34							
	Ends	.34		.34							
SHIFTING BEAMS OR WEB PLATES.	Number	none		one							
	Section and Scantlings			10 x 30	3 x 3 x 30						
	Material										
* FORE AND AFTERS.	Number	one		none							
	Section and Scantlings	2 1/2 x 2 1/2 x 38									
	Material	8 x 44									
HATCHES Thickness		2 1/2		2 1/2							
Remarks											

\* 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? *.46* Strake between Main and Bridge Sheerstrakes? *.44*

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 *30'-0"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *9.5* Sq. ft.

Ft. Tenths. Ft. Tenths. No.

*2.5* x *1.35* x *3*

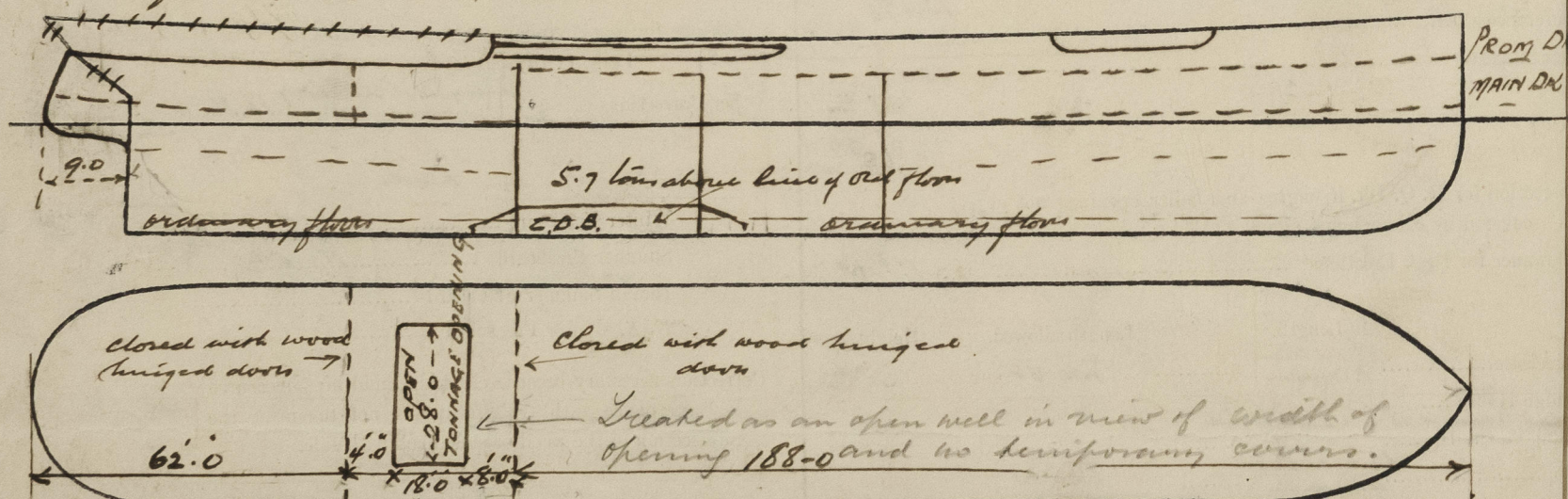
Freeing Ports (each side of vessel)

= *10.5* Sq. ft.

*as approved at owner's request. See plan*

Total deficiency or excess = *1.0* Sq. ft.

*Scupperns in the Vicinity of W.L.*  
*fitted with non return valves*



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 *John Brown & Co. Ltd. 2509*

Names of sister vessels

Owners *Great Western Ry. Co. Ltd.*

Address *London, W.2.*

Fee £ *6* : *0* : *0* Received by me *See T.C. Report.*



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