

NEW RULE

Port of Survey Sunderland
Date of Survey _____
Name of Surveyor W. P. Fallings

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.....	364.12	
Length in Table	313.00	
Difference	51.12	
Correction for 10ft., Table A.	1.4	Table C.
× Difference divided by 10	7.15	(if required.)
If $\frac{6}{10}$ ths length covered divide by 2	+ 7 $\frac{1}{4}$	
		+ 3 $\frac{1}{2}$

Proportion covered, if less than $\frac{7}{10}$ ths length covered 45/3
Thickness of usual wood deck, less stringer 3 1/2

Breadth at Gunwale amidships.....	50	
Round of Beam.....	12½	
Normal round.....	12½	
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.

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Sheer { Stem..... 90 } 138 ✓ ÷ 2 = 69 ✓ ...Mean $\frac{71.81 + 46.41}{2} = \frac{118.22}{2} = 59.11$

Shear at $\frac{1}{3}$ of the length from $\left\{ \begin{array}{l} \text{Stem } 53 \\ \text{Stempost } 26 \end{array} \right\} \left\{ \begin{array}{l} 79 \div 2 = 39.5 \dots \text{Mean} \\ \div 55\% = 71.81 \end{array} \right.$

Gradual mean Sheer $\frac{69 + 71.81}{2} = 70.40$ - $\div 55\% = 71.81$ -
Standard mean Sheer [Table, Para. 18] 46.41 -
Difference..... 23.99 -
Correction $\div 4 = 5.99$ -

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

Freeboard, Table C.....	3' - 0 ¹ / ₄ -
Correction for Length, if required (Para. 12, 13 , and 14)	+ 3 ¹ / ₂
Freeboard by Table A. corrected for sheer, and for length, }	3 - 3 ³ / ₄ -
if required (Para. 12, 13 , and 14) }	6 - 2 ¹ / ₄ -
Difference	2 - 10 ¹ / ₂
Percentage as below.....	28.59
	9.86 -

$$\frac{28.59 \times 34.5}{100} =$$

Correction for R. Q. Dk. if engine and boiler openings not }
covered by bridge house (Para. 11) } ✓
Allowance for Deck Erections - ~~7~~ " 9 3/4"

	Length.	Length allowed.	Height.
Forecastle.....	31' 0"	31' 0	7' 0 1/2
Bridge House	102' 1	102' 08	7' 0 1/2
† Raised Qr. Dk.....	"		
Poop.....	31' 3		
Total		31' 25	7' 0 1/2
Length of Ship		164' 33	
		364' 12	= 445' 13

Length of Ship $\frac{164.33}{364.12} = .4513$

Corresponding percentage } 28.59% -
(Para. ~~11~~, 12, 13, or 14)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, W
Fresh Water Line

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 breadth of vessel to inside of ceiling should be reported if possible.

† In vessels obtaining an allowance for deck erections under R. 10, the height of the erections should be reported.

§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at the stem and stern-post. One-eighth of the vessel's length from stem and stern-post.

29. T. the sheer measured at points distant

Winter Freeboard	5' - 2 ³ / ₄ 3
Summer Freeboard (H. G.)	4 - 10 ¹ / ₂ 3/4
Indian Summer Freeboard	4 - 6 1/2
N. A. Winter Freeboard	

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	.....	5' - 4 ¹ / ₂ ³ / ₄
Summer " " "	.....	5' - 0 ¹ / ₂ ¹ / ₂
Indian Summer " " "	.....	4' - 8 ¹ / ₄ ¹ / ₄
N.A. Winter		

N. A. Winter " " "
 (Steel) Deck :— ... 5' 0 1/2" 5' 0 1/2"

(Steel) Deck :—	...	5...	0 1/2	5' - 0 1/2
...	...	...	5 3/4	5 1/2 3/4
...	...	...	4 1/2	1

$5\frac{1}{2}$ $5\frac{1}{2}$
 $4\frac{1}{2}$ $4\frac{1}{2}$
 4 $4\frac{1}{2}$
 4 $4\frac{1}{2}$

† 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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$$F.W. = \frac{8,900}{1.3831} = 5.81$$

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Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *✓* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Bull 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 *none*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *✓* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged door*
 What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*
 Give scantlings and spacing of the Stiffeners *9 x 3 1/2 x 50 bull angle stiffener @ 30" apart*
 Are bracket plates fitted at each end of the Stiffeners? *lugged* 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? *with 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? *Covered by a Bridge*
 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 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* *Bridge sk* *→* *AFTER DECK*

Position and Size.	FORE DECK		N ^o 1 - 25'-0" x 18'-0"		N ^o 2 - 31'-3" x 18'-0"		N ^o 3 - 10'-5" x 16'-0"		N ^o 4 - 29'-2" x 18'-0"		N ^o 5 - 25'-0" x 18'-0"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	3'-6"	3'-6"	3'-6"	3'-6"	2'-6"	2'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"
Thickness { Sides.....	44	44	44	44	44	44	44	44	44	44	44	44
Ends.....	44	44	44	44	44	44	44	44	44	44	44	44
SHIFTING BEAMS OR WEB PLATES. Number	4	4	5	5	1	1	5	5	4	4		
Section and Scantlings	16 1/2 x 8 1/4 x 36	16 1/2 x 8 1/4 x 36	7 1/2 x 11	7 1/2 x 11	12 1/2 x 8 1/4 x 36	12 1/2 x 8 1/4 x 36	7 1/2 x 11	7 1/2 x 11	7 1/2 x 11	7 1/2 x 11		
Material	Steel	Steel	Same as N ^o 1	Same as N ^o 1	Steel	Steel	Same as N ^o 1	Same as N ^o 1	Same as N ^o 1	Same as N ^o 1		
* FORE AND AFTERS. Number												
Section and Scantlings												
Material												
HATCHES Thickness	3	3	3	3	3	3	3	3	3	3	3	3
Remarks.....	good		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.)

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.

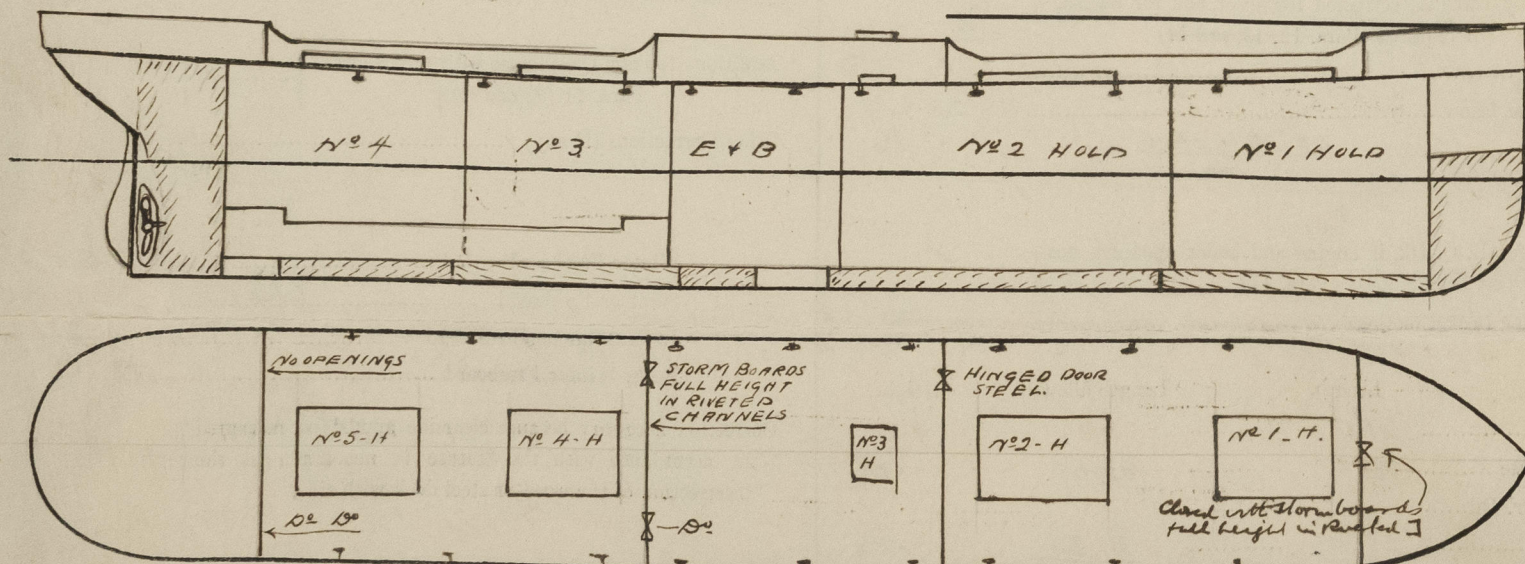
What is the thickness of the Bridge Sheerstrake? *✓* Strake between Main and Bridge Sheerstrakes? *✓*

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 *Fore deck 100 ft. after deck 100 ft.*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *70.08* Sq. ft.

	Ft.	Tenths.	Ft.	Tenths.	No.	Freeing Ports (each side of vessel) =	70.00	Sq. ft.
Fore deck	4.0	x	1.46	x	6			
After sk.	4.0	x	1.46	x	6			

Total deficiency or excess = *.08* 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 *Poop Bridge Forecastle* { *Dist Scale & Tons per*

Builder's name and yard number *Sir John Priestman & Co. S.S. N° 286* { *attached herewith*

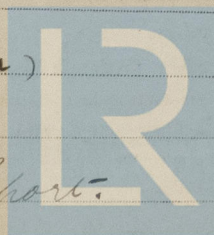
Names of sister vessels *✓*

Owners *R.B. Chellew & Son, Nav. & Ld. (F. Shearman Mgr.)*

Address *47, Stewart Street, Cardiff.*

Fee £ *10.* Received by me *See F. C. Report.*
 Will be charged on completion

Fee £



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Foundation