

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Port of Survey Sunderland
Date of Survey October 12, 1925 +
Name of Surveyor W. P. Hollings

Particulars of Classification.

100 A1 (Contemplated)
Revised Rules

Moulded Depth as measured..... 29'-3"

Addition for Keel below base line
for draught record..... 2" 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.....	341.75		
Length in Table	351.00		
Difference	20.75		
Correction for 10ft., Table A.	1.5	Table C.	.75
× Difference divided by 10	3.11	(if required.)	1.45 55
If $\frac{6}{10}$ ths length covered divide by 2	= + 3.11		+ 1 1/2

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ this length covered $+.925$ -

Thickness of usual wood deck, less stringer $3/2$ -

$+.925 \times 3.5 = 1.72$ - $1\frac{3}{4}$

CORRECTION FOR ROUND OF BEAM.		NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.
Breadth at Gunwale amidships.....	50'0	
Round of Beam	12½	
Normal round.....	12½	
Difference	✓ ÷ 2 =	
Proportion of Deck uncovered (Para. 19)		✓

Freeboard, Table A	7 " 3 ³ / ₄ -
Correction for Sheer	- 5 ¹ / ₂ -
	<hr/> 6 " 10 ¹ / ₄ -
Correction for Length	+ 3 ¹/₄
	<hr/> 7 " 1 ³ / ₂ ¹ / ₄ -
	- 11
Allowance for Deck Erections	<hr/> 6 " 2 ¹ / ₂ -

Correction for Round of Beam..... ✓

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

Correction for Iron Deck (if required) $\frac{-1\frac{3}{4}}{6 - 0\frac{3}{4}}$ ✓

2. Additions for non-compliance with provisions of }
Para. 11 (d) and (e) ‡ } ✓

Other Corrections (if any) ✓

Winter Freeboard	6' 0 ³ / ₄ -
Summer Freeboard (5 ¹ / ₂)	5 - 4 ¹ / ₂ -
Indian Summer Freeboard (")	5 - 2 ¹ / ₄ -
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	6 - 2/2 ✓
Summer " " " "	5 - 9 1/4 ✓
Indian Summer " " " "	5 - 4 ✓
N. A. Winter " " " "	✓

k Line, ~~Wood~~ (Steel) Deck :— 5' - 9" -

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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ured relatively to the straight
the vessel's draft at time of
ed.

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? *web frames + butt angles*
 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 *Storm boards full height in riveted channels*
 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 *Strong steel ringed doors*
 What is the thickness of the Bridge Front plating? *.140* and Coaming plate? *.144*
 Give scantlings and spacing of the Stiffeners *8" x 3" x 50 BA spaced 18"*
 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? *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? *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 - 36'0" x 22'0"		No 2 - 33'0" x 22'0"		No 3 - 18'0" x 22'0"		No 4 - 33'0" x 22'0"		No 5 - 33'0" x 22'0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	3'6"		3'6"		2'6"		3'6"		3'6"	
	Sides.....	.50		.50		.50		.50		.50	
	Ends.....	.50		.50		.50		.50		.50	
SHIFTING BEAMS OR WEB PLATES.	Number	5		5		3		5		5	
	Section and Scantlings	20" x 36"		20 1/2" x 34"		13 1/4" x 33"		20 1/2" x 34"		20 1/2" x 34"	
	Material	Steel		Steel		Steel		Steel		Steel	
FORE AND AFTERS.	Number										
	Section and Scantlings	nil		nil		nil		nil		nil	
	Material										
HATCHES	Thickness	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.)

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.

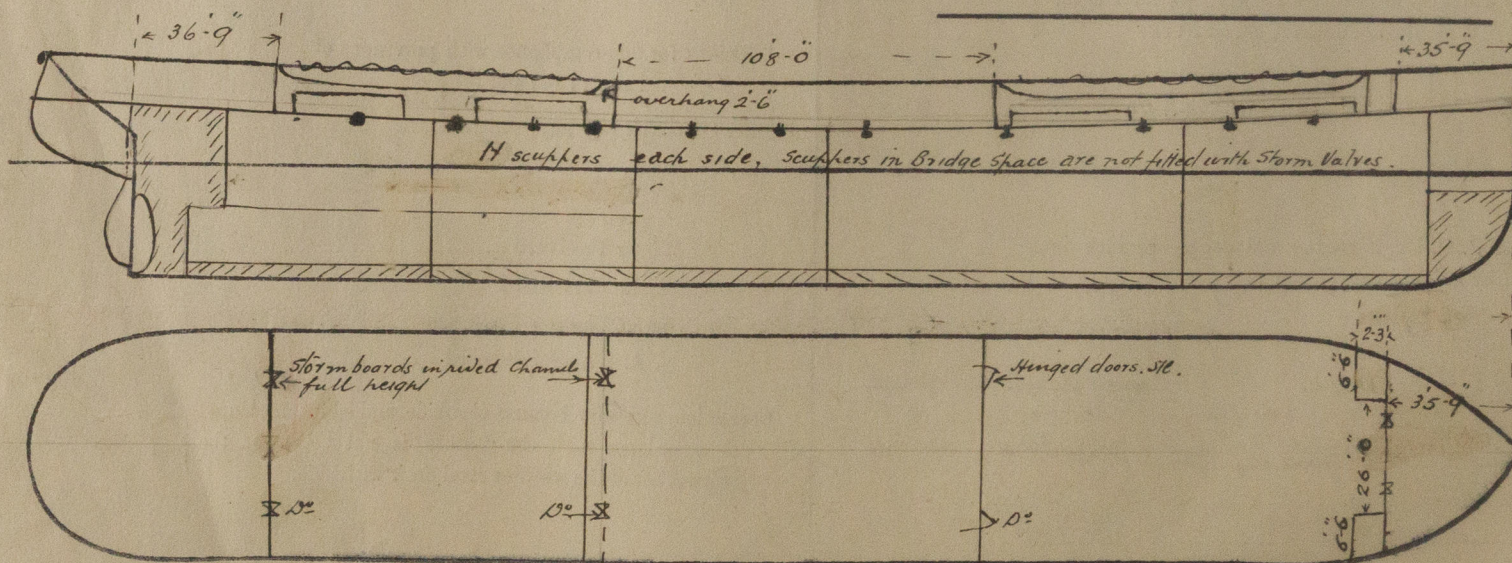
What is the thickness of the Bridge Sheerstrake? *✓* Strake between Main and Bridge Sheerstrakes? *✓*

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 93'0" x 3'6", Aft 96'0" x 3'6" = 661.5 ft*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *66.15* Sq. ft.

	Ft.	Tenths.	Ft.	Tenths.	No.		
Afterwell	15.0	x	0.45	x	3 = 33.4	Freeing Ports (each side of vessel)	= <i>66.50</i> Sq. ft.
Forewell	14.5	x	0.45	x	17		
	13.75	x	0.45	x	11		
	15.50	x	0.45	x	1		
						Total deficiency or excess	= <i>0.35</i> 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 *Corrugated sides, Longitudinal bottom & decks*

Builder's name and yard number *Wm Pickersgill Sons Ltd No 215*

Names of sister vessels *"Newton Ash"*

Owners *Ridley Son & Tully*

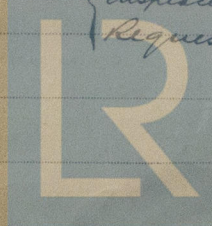
Address *Newcastle on Tyne*

Fee £ 10 : 0 : 0

Received by me *See F.B. Rpt.*

will be charged on completion

Tons per inch 39 tons and displacement @ 23'10" 10314 tons Request form attached



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