Rpt. 11b.

Dub 4/2/33.

56675

Lloyd's Register of British & Foreign Shipping.

20261

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

SAT. 15 MAY 1909

PARTICULARS RELATING TO ~~ALL~~ STEAM SHIPS ~~EITHER FLUSH DECKED, OR WITH~~ ~~P'GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR~~ TOP GALLANT FORECASTLES ~~HAVING LONG POOPS, OR~~ RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, ~~OR OTHERWISE.~~

Port of Survey Newcastle-on-Tyne

Date of Survey 13th May 1909.

Name of Surveyor M. Macleod.

J. V.

Ellingham & Co.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
ex S/S "Wheatfield" No. 2/1	Cardiff British	128494	480 approx. 515	1909	100 A1. Class contemplated

Number in Register Book ✓

	Length.	Breadth.	Depth.	Under Deck Tonnage.
Registered dimensions from Ship's Register.	162.4	26.7	9.3	330.68
Length on Loadline	162.	Frame Depth 3 ✓ Rule „ 3	Ceiling Fitted ✓ Sheer .33 Depth to tank top = 9.52 Reveal Count	Peak Tanks } Included. ordinary flows in E. & B. Space -6.68.
Corrected Dimensions.	162.	26.7	9.63 .85	324.00

Moulded Depth as measured ..... 11.6" ✓

17-0 3/4
2-6 1/2
9-6 1/4

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

..o-efficient of fineness ..... ~~.77~~ .760

..y modification necessary [Para. 4 (a) to (e) *] } .02. Coll. D.B.

..o-efficient as corrected ..... ~~.75~~ .74

..eer { Stem... 54 ✓ / Sternpost... 22½ } 76½ ÷ 2 = 38¼" ✓ ..Mean

..eer at ⅛ of the length from { Stem 31 ✓ / Sternpost 13¼ } 44¼ ÷ 2 = 22⅛" ✓ ..Mean

..adual mean Sheer .....

..andard mean Sheer (Table, Para. 18) ..... 26.2 ✓

Difference ..... 12.05 ÷ 4 = Correction 3.01 ✓

If limited as Para. 18 (f) ..... -3" ✓

Rise in Sheer ..om amidships Para. 18 (e)] { At front of bridge house ..... 5½ / At after end of forecastle 28¾

Fall in sheer Para. 18 (d) } ÷ 2 = ✓

..ngth uncovered ..... ✓ Correction ✓

Allowance for Deck Erections :—

..eboard, Table C ..... 3 ✓ 3¼"

..rection for Length, if required (~~Para. 12, 13, and 14~~) .....

..eboard by Table A. corrected for sheer, ~~and for length~~, if required (~~Para. 12, 13, and 14~~) } 1-4.99 / 1-5¼"

..ference ..... 1-1.99 / 10 2" ✓

..centage as below ..... 67.9% ~~67%~~ ✓

9.50
15
9.35

..rection for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } .15

..wance for Deck Erections ..... ~~9.35~~ = -9¼"

	Length.	Length allowed.	Height.
..castle	23.9"	22.54 ✓	6.10½ - 7.0"
..ge House	13.1" ~~Co. 11.4" Sid.~~	11.9½ .19 ✓	6.10½ - 7.0"
..ised Qr. Dk.	93.0"	93.0"	3.10½ · 4.0 Cr. 510C
..p	.....	.....	
Total	127.33 ~~126.9½"~~ ✓		
..gth of Ship	162		= ~~.784~~ .786
..responding percentage Para. 11, ~~12, 13, or 14~~)	67.9% ~~67%~~ ✓		

Correction for Length.

Length of Ship on Loadline	162' ✓	
Length in Table	138' ✓	
Difference	24' ✓	
Correction for 10ft., Table A.	.9 ✓	Table C.
× Difference divided by 10	2.16 ✓	(if required.) ✓
If 6/10ths length covered divide by 2	1.08 ✓	
	+1" ✓	

PN 8863

Correction for Iron Deck.

Proportion covered, if less than 7/10ths length covered ..... ✓	.78	
Thickness of usual wood deck, less stringer	3"	
	-3"	

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	26.5"	
Round of Beam	6¾"	
Normal round	6¾"	
Difference	✓ ÷ 2 = ... ✓	
Proportion of Deck uncovered (Para. 19)		

Freeboard Table A	1-8	1.8¼"
Correction for Sheer	-3.01	-3"
	1-4.99	1-5¼"
Correction for Length	1.08	+1"
	1-6.07	1-6¼"
Allowance for Deck Erections	9.35	-9¼"
	0-8.72	9" 8¾
Correction for Round of Beam		
Correction for fall in Sheer (if any)		
Correction for Iron Deck (if required)	3.15	-3"
	0-5.57	6" 5¾
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ }		
Other Corrections (if any)		

Winter Freeboard	5.57	6" 5¾
Summer Freeboard	5.78	2" 4
Indian Summer Freeboard		4"
N. A. Winter Freeboard		8
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"

Winter Freeboard from deck line	6.57	¼" 1 3/4
Summer „ „ „ „	4.78	6" 5
Indian Summer „ „ „		5"
N. A. Winter „ „ „ „		9½"

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Iron) Deck :— 0-5"

Fresh Water Line	above centre of Disc ...	2½"	6" 0-5"
Indian Summer Line	„ „ „ ...		2½"
Winter Line	below „ „ ...	1½"	X"
Winter North Atlantic Line	„ „ „ ...		1½"
			3½".

Amended Tables March 1906.

18.5.09

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

‡ 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.

Corresponding to a freeboard of 4" 3½" from statutory deck line 1" above steel raised quarter deck.

P.O.

002079-002084-0152

Do all the Frames extend to the top height in the Poop? ✓ Raised Quarter Deck? Yes. Bridge House? Yes. Forecastle? Yes

202761

To what height do the Reverse Frames extend? Side stringer and gunwale alternately.

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 No openings

Is the ~~Poop or~~ Raised Quarter Deck connected with the Bridge House? Yes Has the Bridge House an efficient Bulkhead at the fore end? Yes.

Give particulars of the means for closing the openings in Bulkhead No openings

What is the thickness of the Bridge Front plating? 5/20" and Coaming plate? 6/20"

Give scantlings and spacing of the Stiffeners 5"×3"×5/20" Bulb angles. 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? No openings

Is the Forecastle at least as high as the main or top-gallant rail? Higher 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? Raised Quarter deck.

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. 24'·6" × 15'·0"		No 2. 25'·3" × 15'·0"						
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING.	Height above top of DECK	3'·6"	2'·6"	2'·9"	2'·0"					
	Thickness Sides	9/20"	9/20	9/20"	9/20					
	Thickness Ends	8/20"	8/20	8/20"	8/20					
SHIFTING BEAMS OR WEB PLATES.	Number	Five	~~Two~~	Five	~~Two~~					
	Section and Scantlings	7/20" 3"×3"×8/20" 16" dup.	~~16"×7/20"~~	7/20" 3"×3"×8/20" 16" dup.	~~16"×7/20"~~					
	Material	Steel	~~steel~~	Steel	~~steel~~					
* FORE AND AFTERS.	Number	NONE	~~NONE~~	NONE	~~NONE~~					
	Section and Scantlings									
	Material									
HATCHES	Thickness	3"	~~3"~~	3"	~~3"~~					
	Remarks	-	-	-	-					

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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? 5/20" Strake between Main and Bridge Sheerstrakes? 8/20"

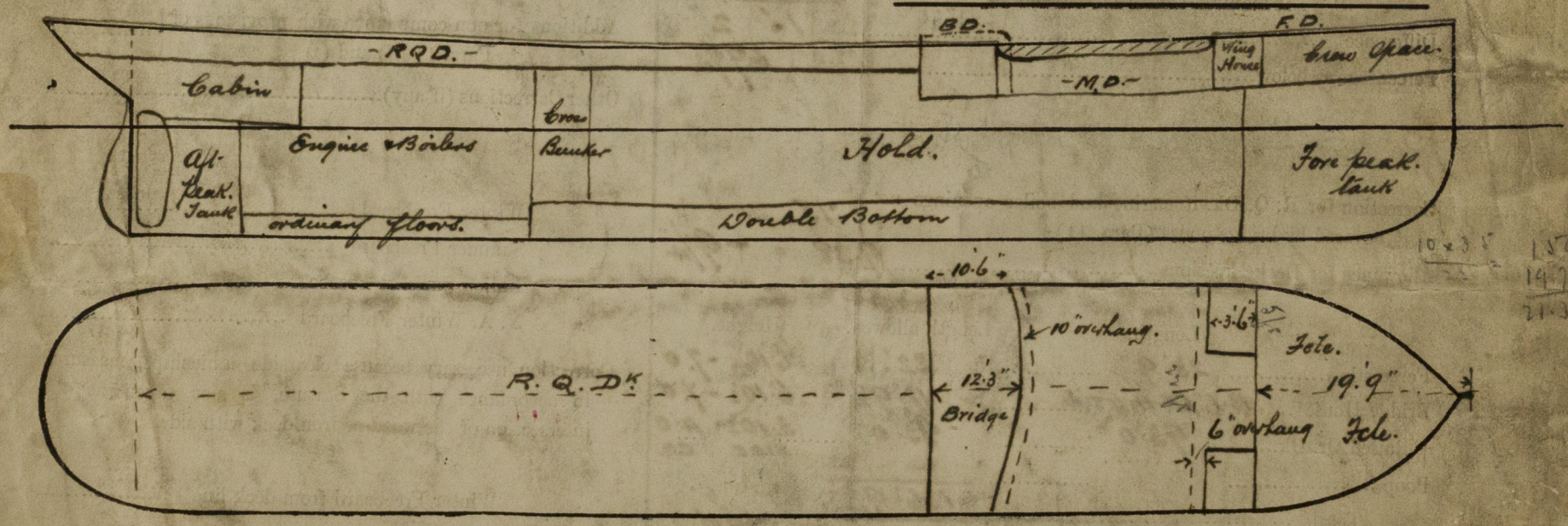
Delete the words that do not apply { The Crew ~~are~~, *are not*, berthed in the bridge house.
{ The arrangements to enable them to get backwards and forwards from their quarters *are*, ~~are not~~ satisfactory.

Length of Bulwarks in well 35'·0" each side.

Area of Freeing Ports required by Para. 11 (*e*) each side of vessel = 10·0 Sq. ft.

Ft.	Tenths.		Ft.	Tenths.		No.		
2·	5"	×	1·	5"	×	3	= 11·25" Sq. ft.	Freeing Ports (each side of vessel)
		×			×			

Total ~~deficiency or~~ excess = 1·25" 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

~~Owners~~ Builders. J. L. Eltringham & Co

Address South Shields.

Fee £ : : Received by me