

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

7020
22032

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

Port of Survey Belfast
Date of Survey while building
Name of Surveyor J.M. Swenna

Ship's Name "EKMA"	Port of Registry and Nationality <u>Glasgow British</u>	Official Number <u>132999</u>	Gross Tonnage <u>5108</u>	Date of Build <u>1911</u>	Particulars of Classification <u>100 A.I. Contemplated Shade Deck</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. <u>410</u>	BREADTH. <u>52.6</u>	DEPTH. <u>24.7</u>	UNDER DECK Tonnage. <u>3723.66</u>
Length on LOADLINE	<u>409.42</u>	Frame Depth Rule <u>52</u>	Ceiling Sheer <u>2.72</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>409.42</u>	<u>52.18</u>	<u>25.6</u>	<u>3723.66</u>

Moulded Depth as measured..... 27.3

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>409.42</u>
Length in Table	<u>327</u>
Difference	<u>82.42</u>
Correction for 10ft., Table A.	<u>1.4</u>
× Difference divided by 10	<u>11.55</u> (if required.)
If 1/8ths length covered divide by 2	<u>+ 5.34</u>

Co-efficient of fineness68

Any modification necessary [Para. 4 (a) to (e) *] } .02 Cell 0.73

Co-efficient as corrected66

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/7ths length covered

Thickness of usual wood deck, less stringer..... 3/2

3" Sheathing correction - 1/2

Sheer at Stem... 96 } 150 1/2 ÷ 2 = 75 1/4 ... Mean

at Sternpost... 54 1/2 }

Sheer at 1/2 of the length from Stem 54 } 84 1/2 ÷ 2 = 42 1/4 ... Mean

Sternpost 30 1/2 }

Gradual mean Sheer

Standard mean Sheer (Table, Para. 18) 76.03 Correction

Difference..... 50.94 ÷ 4 =

§ If limited as Para. 18 (f)..... 25.09 - 6 1/4 x

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>51.6</u>
Round of Beam.....	<u>12 3/4</u>
Normal round	<u>12.9</u> <u>12 3/4</u>
Difference	<u>.15</u> ÷ 2 = <u>.07</u>
Proportion of Deck uncovered (Para. 19)	✓

Rise in Sheer from amidships [Para. 18 (e)]

At front of bridge house..... ✓

At after end of forecastle

Fall in shear Para. 18 (d) } ÷ 2 = ✓

Length uncovered ✓ Correction

Freeboard, Table A	<u>6.1 3/4</u>
Correction for Sheer	<u>6 1/4</u>
Correction for Length	<u>5.7 1/2</u>
Allowance for Deck Erections	<u>5 3/4</u>
Correction for Round of Beam.....	<u>6.1 1/4</u>
Correction for fall in Sheer (if any)	<u>1.3 1/4</u>
Correction for Iron Deck (if required)	<u>4.10</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>4.9 1/2</u>
Other Corrections (if any).....	
Winter Freeboard	<u>4.9 1/2</u>
Summer Freeboard	<u>4.4</u>
Indian Summer Freeboard	<u>3</u>
N. A. Winter Freeboard	

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>3.1 1/2</u>
Correction for Length, if required (Para. 12, 13, and 14)	
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>5.7 1/2</u>
Difference	<u>2.6</u>
Percentage as below.....	<u>50.7%</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)		
Allowance for Deck Erections	<u>= 15 1/4</u>	
Length.	Length allowed.	Height.
Forecastle..... <u>63-11"</u>	<u>57.54</u> x	<u>7.9</u>
Bridge House <u>177-4</u>	<u>199.25</u>	<u>8.0</u>
† Raised Qr. Dk. <u>28-0</u>	<u>140</u>	<u>7.11</u>
Poop..... <u>10-8</u>	<u>18.71</u>	<u>7.7 1/2</u>
Total	<u>289.68</u>	
Length of Ship	<u>499.42</u>	<u>= 70.7</u> x
Corresponding percentage (Para. 11, 12, 13, or 14)	<u>50.7%</u> x	

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.

Winter Freeboard from deck line

Summer " " " "

Indian Summer " " " "

N. A. Winter, " " " "

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

Fresh Water Line above centre of Disc	<u>4.5 1/2</u>	<u>4.5 1/2</u>
Indian Summer Line	<u>6</u>	<u>6</u>
Winter Line below " Amended Tables	<u>5 1/2</u>	<u>5 1/2</u>
Winter North Atlantic Line below " March, 1906.	<u>5 1/2</u>	<u>5 1/2</u>

12.12.11

Am. I.S.—T.

Mr B.S. 8/12/11.

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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? *20 upper deck and every 4" to shade dk in way of upper bridge*
 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 *wood doors hinged*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes by shade dk* 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 doors and wood hinged doors in companion*
 What is the thickness of the Bridge Front plating? *.3* and Coaming plate? *.3*
 Give scantlings and spacing of the Stiffeners *30 to 38 Stiffeners 5x3x5 4 2 webs*
 Are bracket plates fitted at each end of the Stiffeners? *No* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *✓*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Shifting boards in permanent riveted channel wood doors to companion*
 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? *Shade deck and bridge deck above*
 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 7.5 x 12.0		No. 2 26.0 x 14.0		No. 3 25.6 x 14.0		Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	2.6	2.6	2.6	2.6	2.6	2.6				
Thickness	Sides.....	.44	.44	.44	.44	.44				
	Ends.....	.40	.40	.40	.40	.40				
SHIFTING BEAMS OR WEB PLATES.	Number.....	3	3	5	5	5				
	Section and Scantlings.....	7" 3 1/2 x 6 1/2 x .44	14 1/2 x 11 x .34	2 webs 7" 2 3/4 x 3 1/2 x .44	11 1/2 x 16 1/2 x .34	2 webs 7" Same as No. 2 hatch				
	Material.....	(2) 11 x 6 x .55 Steel	Steel	3 1/2 12 x 6 1/2 x .55 Steel	Steel	3 1/2				
FORE AND AFTERS.	Number.....									
	Section and Scantlings.....	None	None	None	None	None				
	Material.....									
HATCHES Thickness.....	3 Deck	3	Same as No. 1	3	Same as No. 1	3				
Remarks.....	Hatchings will be fitted									

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? _____ Strake between Main and Bridge Sheerstrakes? _____

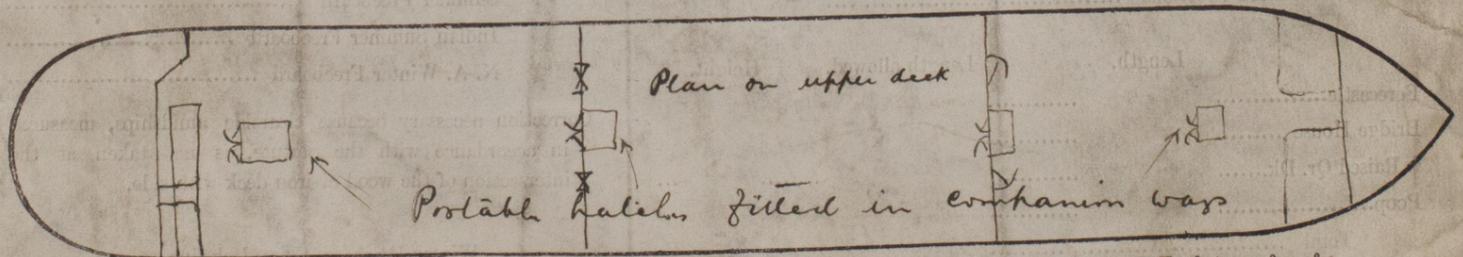
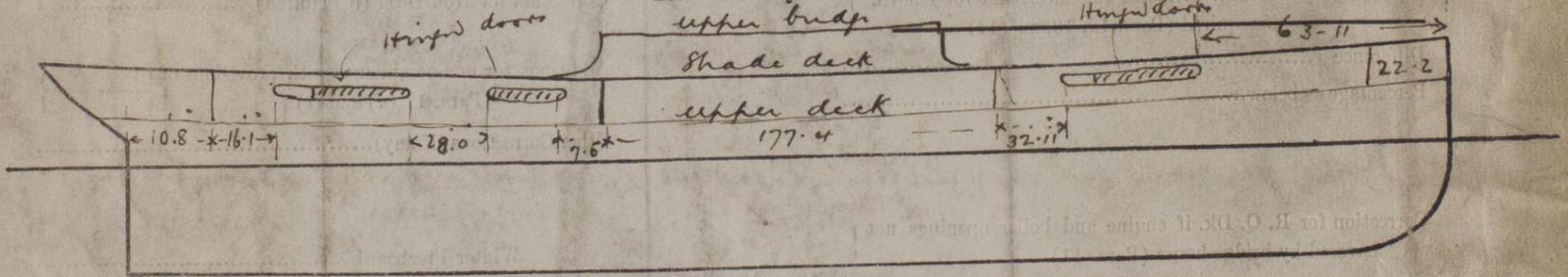
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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.
x	x	x	
x	x	x	

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 *This vessel is a sister ship to the*

S/S EGRA Messrs Workman Clark & Co No 307

Mid see 7 profiles encl for reference

Owners _____

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