

27 FEB 1928

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.- STEAM SHIPS.

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 Bombay
Date of Survey 27th December 1927
Name of Surveyor Exley

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
EKMA	<u>Glasgow</u> <u>British</u>	<u>132999</u>	<u>5108</u>	<u>1911-12</u>	<u>+ 100 A1 Shade Deck</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>410.0</u>	<u>52.6</u>	<u>24.7</u>	<u>3723.66</u>
Length on LOADLINE.	<u>409.42</u>	Frame Depth <u>8</u> Rule <u>5 1/2</u> <u>2 1/2</u> "Breadth" <u>x 2 = 42</u> <u>+ 0.04</u>	Ceiling <u>+ 2.0</u> Sheer <u>+ 7.2</u> <u>+ 0.04</u>	Peak <u>3</u> Tanks <u>1</u>
CORRECTED DIMENSIONS.	<u>409.42</u>	<u>52.18</u>	<u>25.66</u>	<u>3723.66</u>

Co-efficient of fineness..... .68
Any modification necessary }
[Para. 4 (a) to (e)]* } C.O.B
Co-efficient as corrected68 Lowest Tables

Sheer { Stem..... 96 } 150 1/2 ÷ 2 = 75 1/4 Mean 36 1/2
at { Sternpost ... 54 1/2 }
Sheer at 1/8 of the length from { Stem 54 } 84 1/2 ÷ 2 = 42 1/4 Mean
Sternpost 30 1/2 }
Gradual mean Sheer 76.03
Standard mean Sheer [Table, Para. 18] 50.94 Correction
Difference..... 25.09 ÷ 4 = 6.27
§ If limited as Para. 18 (f) - 6 1/4

Rise in Sheer { At front of bridge house..... ✓
from amidships {
[Para. 18 (e)] { At after end of forecastle ✓

Fall in Sheer {
Para. 18 (d) } ÷ 2 =
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 3 - 1 1/2
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) } 5 - 7 1/2
Difference 2 - 6
Percentage as below..... 50.7%

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

Allowance for Deck Erections - 1 - 3 1/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>63'-11"</u>	<u>67.54</u>	<u>7'-9"</u>
Bridge House.....	<u>21'-9"</u>	<u>199.35</u>	<u>8'-0"</u>
Raised Quarter Deck.....	<u>28'-0"</u>	<u>14.09</u>	<u>7'-11"</u>
Poop.....	<u>26'-9"</u>	<u>18.71</u>	<u>7'-7 1/2"</u>
Total		<u>289.60 = .707</u>	
Length of Ship		<u>409.42</u>	
Corresponding percentage { (Para. 11, 12, 13, and 14) }		<u>50.7%</u>	

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

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 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.

Moulded Depth as measured..... 27'-3"
Addition for Keel below base line for draught record..... 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..... 409.42
Length in Table 327.00
Difference 82.42
Correction for 10ft., Table A. 1.4 Table C.
× Difference divided by 10 11.56 (if required.)
If 1/10ths length covered divide by 2 5.78 + 5 3/4"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered
Thickness of usual wood deck, less stringer 3 1/2
3" Sheathing fitted - 1/2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 51.6
Round of Beam 12 3/4
Normal round..... 12.9
Difference15 ÷ 2 = .07
Proportion of Deck uncovered (Para. 19) ✓

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

Freeboard, Table A 6' - 1 3/4
Correction for Sheer - 6 1/4
Correction for Length + 5 3/4
Allowance for Deck Erections - 1 - 3 1/4
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Steel Deck (if required) - 1/2
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) ‡ }
Other Corrections (if any) ✓

Winter Freeboard 4' - 9 1/2
Summer Freeboard 4' - 4
Indian Summer Freeboard 3' - 10 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.

Winter Freeboard from deck line 4' - 11
Summer " " " " 4' - 5 1/2
Indian Summer " " " " 4' - 0
N. A. Winter " " " " ✓

MARKING FORM

RECEIVED 6 - MAR 1928

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Position and Size.

No.1. 17'5" x 12'0"

No.2. 26'0" x 14'0"

No.3. 25'6" x 14'0"

SHADE DECK.

Position and Side	No.1. 17'5"x12'0"	No.2. 26'0"x14'0"	No.3. 25'6"x14'0"
Height above top of Deck.)	6"	6"	6"
Thickness { Sides	.44	.44	.44
{ Ends	.4	.4	.4
Shifting Beams { Number	3	5	5
{ Section & Scantlings	1. $\frac{1}{2}$ " 3"x3"angles	2. $\frac{1}{2}$ " 3"x3"angles	2. $\frac{1}{2}$ " 3"x3"angles
Web Plates { Material	2. $\frac{1}{2}$ " 11"x6" Steel	3. $\frac{1}{2}$ " 11"x6" Steel	3. $\frac{1}{2}$ " 11"x6" Steel

FORE AND AFTERS

NIL

NIL

NIL

Hatches Thickness

3"

3"

3"

Remarks.

Gratings

Gratings

Gratings

W1009-0103 2/3

x x
x x

Freeing ports
(each side of vessel)

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Sq. ft.

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:—

Position and Size.

No. 1. 17'-5" x 12'-0"

No. 2. 26'-0" x 14'-0"

No. 3. 25'-6" x 14'-0"

MAIN DECK.

Position and Size

No. 1. 18'-0" x 12'-0"

No. 2. 28'-0" x 14'-0"

No. 3. 27'-6" x 14'-0"

Height above top of Deck.

Flush

Flush

Flush

(Sides

.44

.44

.44

Thickness

(Ends

.4

.4

.4

Lifting

(Number

3

6

6

Beams

(Section &

1. $\frac{1}{2}$ " 3"x3" angles

2. $\frac{1}{2}$ " 3"x3" angles

2. $\frac{1}{2}$ " 3"x3" angles

(Scantlings

Plates.

(

2. $\frac{1}{2}$ " 11"x6"

3. $\frac{1}{2}$ " 11"x6"

11"x6"

Material

Steel

Steel

Steel

BEFORE AND

AFTERS

NIL

NIL

NIL

Hatches Thickness

3"

3"

3"

Remarks.

W1009-0103 $\frac{3}{4}$

x

x

x

x

(each side of vessel)

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Sq. ft.

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? *Upper Deck* *✓* *Every 4th* *to* *Shade Dr. in way of upper bridge* *✓*
 Has the Poop on ~~Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Hinged wood doors* *✓*
 Is the Poop on ~~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 *Hinged steel doors* *✓*
 What is the thickness of the Bridge Front plating? *.30* and Coaming plate? *.30*
 Give scantlings and spacing of the Stiffeners *5" x 3" x 50 angle spaced 30" to 38" apart* *✓*
 Are bracket plates fitted at each end of the Stiffeners? *No* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *No*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes* *✓*
 How are the openings closed? *Storm boards in riveted channels* *Full height* *✓*
 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? *Bridges* *✓*
 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:—

Position and Size.	No. 1. 17'-5" x 12'-0"		No. 2. 26'-0" x 14'-0"		No. 3. 25'-6" x 14'-0"					
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	30"		30"		30"					
Thickness	Sides.....	.44	.44		.44					
	Ends.....	.40	.40		.40					
SHIFTING BEAMS OR WEB PLATES.	Number.....	3	5		5					
	Section and Scantlings.....	1" 3 1/2" x 40 ANGLE 3" x 3"	2" 3 1/2" 32" x 40 ANGLE 3" x 3"		as in No. 2.					
	Material.....	2" 11" x 6" x 55" Steel.	3" 12" x 6 1/2" x 55" Steel.							
* FORE AND AFTERS.	Number.....		Nil							
	Section and Scantlings.....									
	Material.....									
HATCHES Thickness.....	3"		3"		3"					
Remarks.....	<i>gating</i>		<i>gating</i>		<i>gating</i>					

* 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?

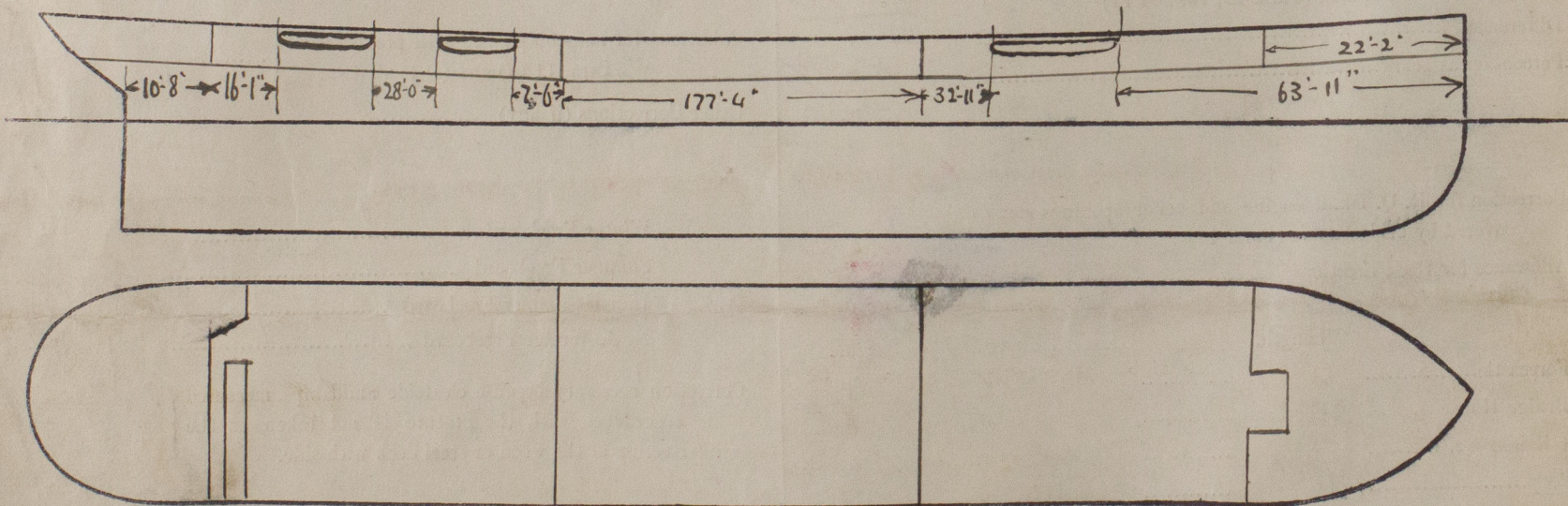
Delete the words that do not apply { The Crew are, are not, berthed in the bridge house.
 The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

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					

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

Builder's name and yard number

Names of sister vessels *Egra.*

Owners

Address

Fee *Payee: 150/-*

Received by me



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