

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

Date of Survey 25. 10. 32

Name of Surveyor

Ship's Name. EKMA.	Port of Registry and Nationality. Glasgow British	Official Number. 122999.	Gross Tonnage. 5108	Date of Build. 1911.	Particulars of Classification. + 100 A. 1. (Shade Deck)
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. 40.00	BREADTH. 52.6	DEPTH. 24.7.	UNDER DECK TONNAGE. 3723.66
Length on LOADLINE.	409.42	Frame Depth 8 Rule „ 52 2 1/2 2 = - .42.	Ceiling + 20 Sheer + 72 1" drop in tank + .04	Peak } Ind. Tanks }
CORRECTED DIMENSIONS.	407.42	52.18	25.46	3723.66

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

Sheer { Stem..... **96**
at { Sternpost .. **54 1/2** } $150 \frac{1}{2} \div 2 = 75 \frac{1}{4}$ Mean **76.82**
52.74
22

Sheer at $\frac{1}{2}$ of the length from { Stem **54**
Sternpost **30 1/2** } $84 \frac{1}{2} \div 2 = 42 \frac{1}{4}$ Mean **42.25**
76.03
76.82

Gradual mean Sheer **76.03**
Standard mean Sheer [Table, Para. 18] **50.94** Correction
Difference..... **25.09** $\div 4 = 6.27$
§ If limited as Para. 18 (f) **- 67 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) } $\div 2 =$
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. 11, 12, 13, and 14) } **5' 7 3/4"**
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.....	63-11"	57.54	7-9
Bridge House	217-9"	199.35	8-0
Raised Qr. Dk.	28'-0"	14.00	7'-11"
Poop.....	26'-9"	18.71	7'-7 1/2"
Total		289.60	= .707
Length of Ship	409.42		
Corresponding percentage } (Para. 11, 12, 13, and 14) } 50.7%			

Moulded Depth as measured..... **27' 3"**
Addition for Keel below base line for draught record..... inches.

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.
 \times Difference divided by 10 **11.56** (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 **5.78** **+ 5 3/4**

CORRECTION FOR IRON DECK.
Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer **3 1/2"**
3" Sheathing filler **- 1 1/2"**

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... **57.6**
Round of Beam **12 3/4**
Normal round..... **12.9**
Difference **15** $\div 2 =$ **.07**
Proportion of Deck uncovered (Para. 19) ☒

Freeboard, Table A **6' 1 3/4"**
Correction for Sheer **- 6 1/4"**
5' 7 1/2"
Correction for Length **+ 5 3/4"**
6' 1 1/4"
Allowance for Deck Erections **- 1' 3 1/4"**
4' 10"
Correction for Round of Beam..... ☒
Correction for fall in Sheer (if any)..... ☒
3" Sheathing on
Correction for Steel Deck (if required) **- 1 1/2"**
4' 4 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. **N/L**

Winter Freeboard from deck line
Summer " " " "
Indian Summer " " " "
N. A. Winter " " " "

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, ~~Steel~~, Deck :-

Tropical Fresh Water Line above Centre of Disc ...	11 1/2"
Fresh Water Line " " " " ...	6"
Tropical Line " " " " ...	5 3/4"
Winter Line below " " " " ...	5 1/2"
Winter North Atlantic Line " " " " ...	✓

Tropical Fresh Water Freeboard ...	3' 4 1/2"
Fresh Water " " " " ...	3' 10"
Tropical " " " " ...	3' 10 1/2"
Winter " " " " ...	4' 9 1/2"
Winter North Atlantic " " " " ...	✓

26 OCT 1932

2m, 3, 32, T.

W1009-0079

MARKING FORM
17 AUG 1936
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Do all the Frames extend to the top height in the Poop? _____ Raised Quarter Deck? _____ Bridge House? _____ Forecastle? _____

To what height do the Reverse Frames extend? _____

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? _____

Give particulars of the means for closing the openings in Bulkhead _____

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

Give particulars of the means for closing the openings in Bulkhead _____

What is the thickness of the Bridge Front plating? _____ and Coaming plate? _____

Give scantlings and spacing of the Stiffeners _____

Are bracket plates fitted at each end of the Stiffeners? _____ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? _____

Has the Bridge House an efficient Iron Bulkhead at the after end? _____

How are the openings closed? _____

Is the Forecastle at least as high as the main or top-gallant rail? _____ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? _____

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? _____

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 the Rules? Give particulars below:—

Position.										
Size.										
COAMING.	Height above top of DECK									
	Thickness { Sides..... Ends.....									
SHIFTING BEAMS OR WEB PLATES.	Number									
	Section and Scantlings									
	Material									
* FORE AND AFTERS.	Number									
	Section and Scantlings									
	Material									
HATCHES Thickness										
Remarks.....										

* 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 keel 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)

=

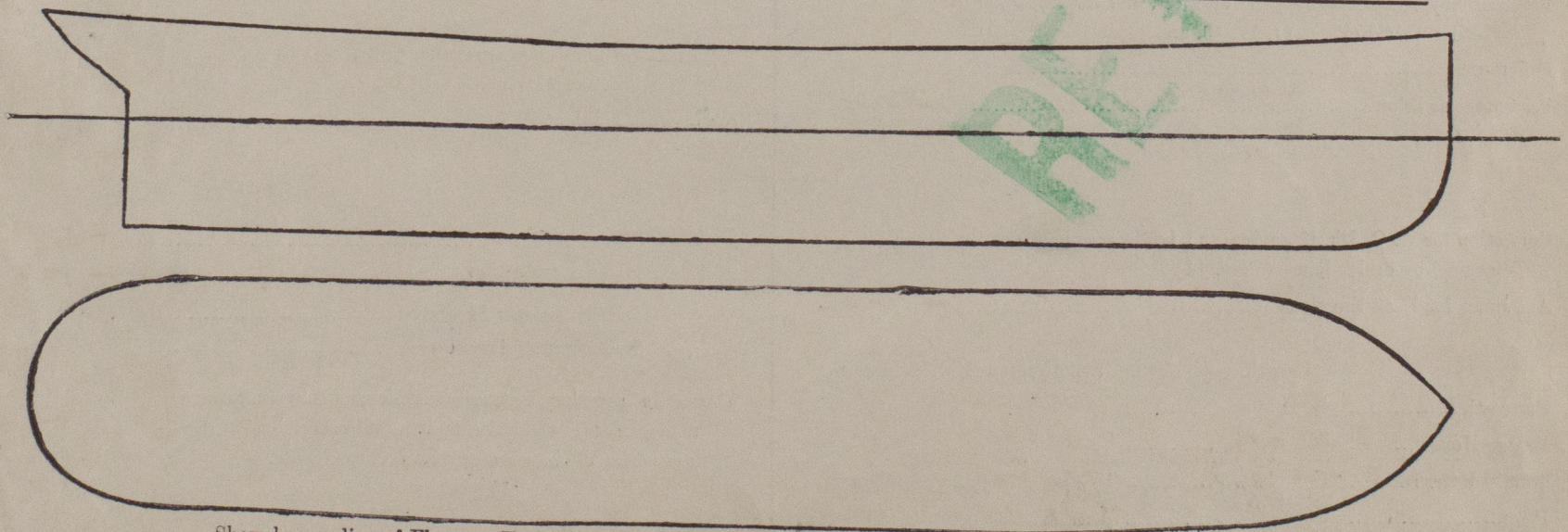
Sq. ft.

×

×

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 _____

Owners _____

„ Address _____

Fee £ _____ : _____ : _____

Received by me _____



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