

COPY WRITTEN

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33760.

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 **NEWCASTLE-ON-TYNE**

Date of Survey **16 June 1931**

Name of Surveyor **A. J. A. Kester**

Ship's Name	Port of Registry and Nationality	Official Number	Gross Tonnage	Date of Build	Particulars of Classification
Monarch of Bermuda	London British	162650	23,000	1931	+ 100 A1 with Freeboard Contemplated.

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
553.2	76.75	39.0	13088.13
Length on LOADLINE.	550.0	Frame Depth 82.5 Rule say 82.5 Sheer + 20.0 Peak 171.70	13088.13
CORRECTED DIMENSIONS.	550.0	76.82	39.84

Moulded Depth as measured... **43'-3 1/2"**
Addition for Keel below base line for draught record... **9.4** inches.

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

43'-3 1/2"
4'-3 1/2"
39'-0"

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	550.0
Length in Table	519.5
Difference	30.5
Correction for 10ft., Table A.	17
× Difference divided by 10	5.18 (if required.)
If 1/10ths length covered divide by 2	2.59

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	76'-6"
Round of Beam <i>Mean round only</i>	56
Normal round.....	19.12
Difference	13.12
Proportion of Deck uncovered (Para. 19)	1.86

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

1.31 + 1/4

Co-efficient of fineness.....	.766 .767
Any modification necessary [Para. 4 (a) to (e)]*	.05 C.A.B.
Co-efficient as corrected75

Sheer { Stem..... 107.5 } 157.0 ÷ 2 = 78.5 ... Mean	87.95
at { Sternpost 49.5 }	65.0
Sheer at 1/2 of the length from { Stem 69.25 } 96.75 ÷ 2 = 48.38 ... Mean	36.12
{ Sternpost 27.5 }	63.7
Gradual mean Sheer	78.5 + 87.95 = 83.22
Standard mean Sheer [Table, Para. 18]	65.0
Difference.....	18.22 ÷ 4 = 4.55
§ If limited as Para. 18 (f)	- 4 1/2

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

Fall in Sheer { 1/2" fall 13'-0" abaft midships	✓
Para. 18 (d) { 2 =	
Length uncovered Covered by bridge. Nil. Correction ✓	

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	12'-7" - 3'-2" =	9'-5"
Correction for Length, if required (Para. 12, 13, and 14)	+ 2 1/2	9'-7 1/2"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14)	12'-7 3/4"	
Difference	3'-0 1/4"	
Percentage as below.....	30%	10.87

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	✓
Allowance for Deck Erections	10 3/4

Length.	Length allowed.	Height.
Forecastle..... 94.00	89.2	8-0
Bridge House..... 357.33	351.33	8-3
† Raised Qr. Dk..... 353.91		
Poop.....		

Total	447.91	440.53	443.94
Length of Ship	550	550	80.72
Corresponding percentage (Para. 12, 13, and 14)	limited to 30%		80.72

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	below	Winter Line	below	Winter North Atlantic Line	below

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.

Nil

Winter Freeboard from deck line	17'-3 1/2" 0 1/2"
Summer " " "	17'-3 1/2" 0 1/2"
Indian Summer " " "	17'-3 1/2" 0 1/2"
N. A. Winter " " "	17'-3 1/2" 0 1/2"

15" composition or 1 1/2" composition

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Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒ 1b.

To what height do the Reverse Frames extend? *Bull angle frames only*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *no Poop*

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? ☒ ARTI

Give particulars of the means for closing the openings in Bulkhead *167 ft. Bhd. w.t. hinged steel door on Starboard* OP'G

What is the thickness of the Bridge Front plating? *.30* and Coaming plate? *.24*

Give scantlings and spacing of the Stiffeners *5 x 3 x 36 B.A. at Centre 4 x 3 x 30 L at sides with nine reverse*

Are bracket plates fitted at each end of the Stiffeners? *lugs fitted* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *no Bulwarks*

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

How are the openings closed? *none in exposed portion*

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? *yes*

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: *yes*

Position.	B' DK. No. 1	A' DK. No. 2							
Size.	18' x 12'	22' x 14'							
COAMING. Height above top of DECK	30"	30"							
Thickness	Sides	44 M.S.	44 M.S.						
	Ends	44 M.S.	44 M.S.						
SHIFTING BEAMS OR WEB PLATES.	Number	2	3						
	Section and Scantlings	7" 15 3/8 x 32	7" 15 3/8 x 34						
	Material	4 x 3 x 40	4 x 3 x 42						
* FORE AND AFTERS.	Number								
	Section and Scantlings								
	Material								
HATCHES Thickness	3"	3"							
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 bathed 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			

Total deficiency or excess = *2.58* Sq. ft. *2.0* *weatherlight* *41 x hinged flaps* *to openings*

