

Verification Report

Index No. **31798**
(For London Office only.)

Lloyd's Register of Shipping.

FOR FREEBOARD-STEAM SHIPS.

No. 18440

ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR CASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Greenock
Date of Survey while Building
Name of Surveyor Robert Dundas

Register Book	Port of Registry and Nationality. <u>Liverpool</u> <u>British</u>	Official Number. <u>147347</u>	Gross Tonnage.	Date of Build. <u>Building</u>	Particulars of Classification. <u>100A1 (Contemplated).</u>
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LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<u>470.1</u>	<u>62.15</u>	<u>32.25</u>	<u>7088.71</u>
<u>468.5</u>	Frame Depth <u>12</u> No Ceiling <u>+20</u> Rule <u>7 1/2</u> Sheer <u>+1.12</u> <u>2 1/2</u> = <u>-75.83</u> RISE IN D.B. TANK VERT. SPARKING FITTED FLUSH WITH INNER LOGS OF FRAME <u>+33</u>	<u>33.46</u>	Peak } INCLUDED. Tanks } TONNAGE BETWEEN 7' 9" FRAMES IN THE DECK <u>-42.9</u> GUNWALE STERN <u>-38.6</u>
<u>468.5</u>	<u>61.7865</u>	<u>33.46</u>	<u>7007.31</u> <u>7045.81</u>

Moulded Depth as measured..... 34'-10"
Addition for Keel below base line for draught record..... 2 1/4 inches.

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

Co-efficient of fineness..... .7257
Any modification necessary {
[Para. 4 (a) to (e)]* }
Co-efficient as corrected73

CORRECTION FOR LENGTH.	
Length of Ship on Loadline.....	<u>468.5</u>
Length in Table	<u>418.0</u>
Difference	<u>50.5</u>
Correction for 10ft., Table A.	<u>1.7</u>
Table C.	<u>.8</u>
× Difference divided by 10	<u>8.58</u>
(if required.) <u>4.04</u>	
If 1/10ths length covered divide by 2 + <u>8 1/2</u>	<u>+4.0</u>

Sheer { Stem..... 126 } 186 ÷ 2 = 93 ...Mean
at { Sternpost ... 60 }
Sheer at 1/2 of the length from { Stem 72 } 107 ÷ 2 = 53.5 ...Mean
{ Sternpost 35 }
Gradual mean Sheer 95.15 ÷ 55 = 97.3
Standard mean Sheer [Table, Para. 18] 97.3 ALLOWED 95.15
Difference..... 56.85 Correction
38.30 ÷ 4 = 9.575
§ If limited as Para. 18 (f) -9 1/2

CORRECTION FOR IRON DECK. <u>.508</u>	
Proportion covered, if less than 1/10ths length covered	<u>50.25%</u>
Thickness of usual wood deck, less stringer <u>2 1/4</u>	<u>-1 3/4</u>

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

CORRECTION FOR ROUND OF BEAM.	
Breadth at Gunwale amidships.....	<u>60'</u>
Round of Beam	<u>15 1/2</u>
Normal round.....	<u>15</u>
Difference	<u>✓ ÷ 2 =</u>
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	<u>9' 4"</u>
Correction for Sheer	<u>-9 1/2</u>
Correction for Length	<u>8' 6 1/2"</u> <u>+ 8 1/2"</u>
Allowance for Deck Erections	<u>9' 3"</u> <u>- 10 1/2"</u>
Correction for Round of Beam.....	<u>8' 4 1/2"</u>

ALLOWANCE FOR DECK ERECTIONS:—		
Freeboard, Table C.....	<u>6' 2 1/2"</u>	
Correction for Length, if required (Para. 12, 13, and 14)	<u>+4</u>	
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>9' 3"</u>	
Difference	<u>2' 8 1/2"</u>	
Percentage as below.....	<u>32.76</u>	
	<u>10.4660</u>	

Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required)	<u>-1 3/4</u>
Additions for non-compliance with provisions of { Para. 11 (d) and (e) † }	<u>8' 2 3/4"</u>
Other Corrections (if any)	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓
Allowance for Deck Erections -10 1/2

Winter Freeboard	<u>8' 2 3/4"</u>
Summer Freeboard	<u>7' 8 1/2"</u>
Indian Summer Freeboard	<u>7' 2 1/4"</u>
N. A. Winter Freeboard	

Length.	Length allowed.	Height.
Forecastle..... <u>38.5</u>	<u>38.5</u>	<u>8'-0"</u>
Bridge House <u>157.58</u>	<u>153.79</u> <u>152.63</u>	<u>8'-0"</u>
† Raised Qr. Dk.....		<u>8'-0"</u>
Poop..... <u>46.33</u>	<u>45.58</u> <u>44.26</u>	
Total <u>242.41</u> <u>237.87</u>	<u>235.29</u>	<u>5.22%</u>
Length of Ship <u>468.5</u>	<u>468.5</u>	<u>5.22%</u>
Corresponding percentage { (Para. 12, 13, or 14) }	<u>.64</u> <u>32.76</u>	

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. 8' steel + 1 3/4

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—		
Fresh Water Line	above centre of Disc	...
Indian Summer Line	" " "	...
Winter Line	below " "	...
Winter North Atlantic Line	" " "	...

Winter Freeboard from deck line	<u>8' 4 1/2"</u>
Summer " " " "	<u>7' 10 1/4"</u>
Indian Summer " " " "	<u>7' 4 3/2"</u>
N. A. Winter " " " "	<u>7' 10"</u>
	<u>7' 6 1/2"</u>
	<u>6 1/2"</u>

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
In vessels having poops and forecastles, it means the sheer measured at points distant 1/10th 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.

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MARKING FORM
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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House

To what height do the Reverse Frames extend? *Bulk Angle Framing*

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 *Hinged wood doors*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead

Give particulars of the means for closing the openings in Bulkhead *Hinged steel W.T. Door*

What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*

Give scantlings and spacing of the Stiffeners *9 1/2 x 3 1/2 x 50 Bulk Angle Spaced 30" apart*

Are bracket plates fitted at each end of the Stiffeners? *Lugged top & bottom* 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 full height of openings fitted in channels pivoted to Bulk*

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? *No*

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

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 Hatch 20'-3" x 18'-0"		No 2 Hatch 35'-7" x 21'-0"		No 3 Hatch 15'-3" x 20'-0"		No 4 Hatch 30'-6" x 20'-0"		No 5 Hatch 28'-10 1/2" x 20'-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	36"	36"	36"	36"	30"	30"	30"	30"	30"	30"
	Sides	44	44	44	44	44	44	44	44	44	44
	Ends	44	44	44	44	44	44	44	44	44	44
SHIFTING BEAMS OR WEB PLATES	Number	3	3	6	6	2	2	5	5	3	3
	Section and Scantlings	PLATE 16" x 36		18 1/2 x 36		18" x 36		18" x 36		19 1/2 x 38	
	Material	ANG TOP & BOTTOM 4 x 3 x 44		4 x 3 x 47		4 x 3 x 44		4 x 3 x 44		4 x 3 x 44	
* FORE AND AFTERS	Number										
	Section and Scantlings			No	FORE & AFTERS						
	Material										
HATCHES Thickness											
Remarks					2 1/2" SOLID COVERS						

* 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 { 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.

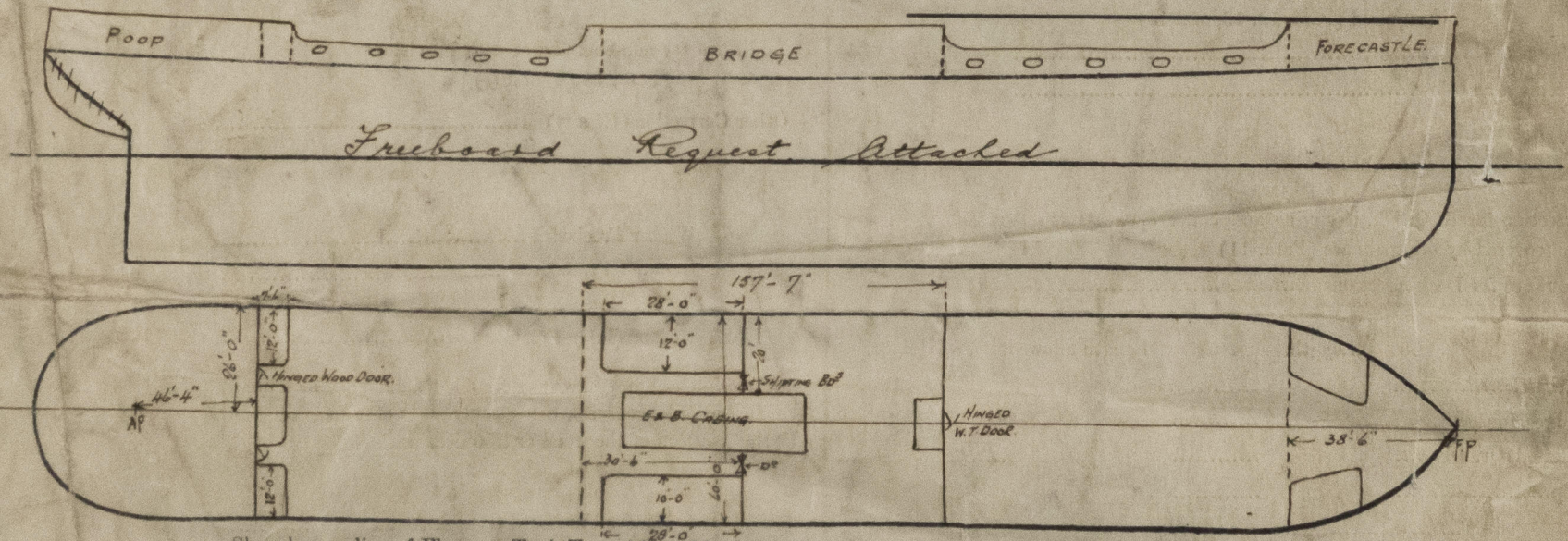
Length of Bulwarks in well *FORW^d 107'-0" x 4'-3"*
AFT 119'-1" x 4'-3"

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *FORW^d 45.48 Sq. ft.*
AFT 50.6 Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *FORW^d 28.4 Sq. ft.*
 (each side of vessel) = *AFT 32.4 Sq. ft.* } *AS DESIRED BY OWNERS*

FORW^d 4'-0" x 1'-52 x 5
AFT 4'-5" x 1'-52 x 5

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 *The vessel has been built in accordance with the Approved Plans of, Laidship Section & Profile & Decks, forwarded herewith.*

This is a Sister Vessel to S. S. "Makronda". Gk Rep No 18392. YARD No 390.

Owners *Anchut Brookbank.*

Address

Dec 13 1900 Received by me *will be rendered with 1st Entry Rep.*