

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 Greenock.
Date of Survey while building
Name of Surveyor A.W.W. Rab.

Ship's Name. S.S. MARISTON
Port of Registry and Nationality. Glasgow.
Official Number. 147905
Gross Tonnage. 4557.26
Date of Build. 1924
Particulars of Classification. 100. A.1. (contemplated). (Revised Rules)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>385.0</u>	<u>62.0</u>	<u>26.6</u>	<u>4303.36</u>
Length on LOADLINE.	<u>384.5</u>	Frame Depth <u>10</u> Rule <u>6.5</u> <u>-67.4</u> <u>-75</u>	Ceiling <u>FITTED</u> Sheer <u>+1.20</u> <u>+12.</u> <u>DROP IN D.B.</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>384.5</u>	<u>51.33</u>	<u>27.92</u>	<u>4303.36</u>

Co-efficient of fineness..... .7824
Any modification necessary { 0.2 FOR CELL. D. BOTTOM.
[Para. 4 (a) to (e)]*
Co-efficient as corrected96

Sheer { Stem..... 120
at { Sternpost ... 64 } 184 ÷ 2 = 92 ... Mean 36/43.36
Sheer at $\frac{1}{2}$ of the length from { Stem 67
Sternpost 34 } 101 ÷ 2 = 50.5 ... Mean
Gradual mean Sheer 91.81 ÷ 53 = 91.81
Standard mean Sheer [Table, Para. 18] 48.45 Correction
Difference..... 43.36 ÷ 4 = 10.84
§ If limited as Para. 18 (f) -10.84

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..... 3-11.50 3' 11½"
Correction for Length, if required (Para. 12, 13, and 14) +2.55 + 2½"
4-2.05 4' 2"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 6-8.18 6' 8¼"
Difference 2-6.08 2' 6¼"
Percentage as below..... 31.59 31.59%
9.50 9.55%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) -9½"
Allowance for Deck Erections -9½"

	Length.	Length allowed.	Height.
Forecastle.....	<u>44.60</u>	<u>44.60</u>	<u>7' 9"</u>
Bridge House	<u>112.00</u>	<u>112.00</u>	"
Raised Qr. Dk.....	<u>33.42</u>	<u>33.42</u>	"
Total	<u>190.02</u>	<u>190.02</u>	
of Ship	<u>384.50</u>	<u>384.50</u>	<u>4942</u>
ing percentage { 11, 12, 13, or 14) { <u>31.59%</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	"	"	"	"	"	"	"	"	...

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported as possible.
For deck erections under Para. 11 where the sheer drops abaft amidships the height of the top of the amidship beam.
Standard mean sheer means the sheer measured at the stem and sternpost. In vessels having forecastles and quarter decks, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

Moulded Depth as measured..... 29' 0"
Addition for Keel below base line for draught record..... 2½ inches.

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

29-0
1-1
30-1
3-6
26-7

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 384.5
Length in Table 348.0
Difference 36.5
Correction for 10ft., Table A. 1.5 Table C. .7
× Difference divided by 10 5.47 (if required.) 2.56
If $\frac{1}{10}$ ths length covered divide by 2 +5½" +2½"

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered4942
Thickness of usual wood deck, less stringer 3½"
1.73 -1¼"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 50' 0"
Round of Beam 13'
Normal round..... 12½"
Difference ½ ÷ 2 = ¼"
Proportion of Deck uncovered (Para. 19)506 .126 -¼"

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

Freeboard, Table A 7-1.50 7' 1½"
Correction for Sheer -10.84 -10¾"
6-2.66 6' 2¾"
Correction for Length +5.47 +5½"
6-8.13 6' 8¼"
Allowance for Deck Erections -9.50 -9½"
5-10.63 5' 10¾"
Correction for Round of Beam..... -1.3 -¼"
5-10.50 5-10½"
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required)..... -1.73 -1¾"
5-8.77 5' 8¾"
Additions for non-compliance with provisions of {
Para. 11 (d) and (e) ‡ {
Other Corrections (if any) ✓

Winter Freeboard 5' 8¾"
Summer Freeboard 5' 3¾"
Indian Summer Freeboard 4' 10¾"
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. +1¼"

Winter Freeboard from deck line 5' 10¾"
Summer " " " 5' 5¾"
Indian Summer " " " 5' 0¾"
N.A. Winter " " " ✓

5' 5" 5' 5"
6" 6"
5" 5"
5½" 5½"

† 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 date of survey, and also the usual load draft forward and aft should be reported.

MARKING FORM

RECEIVED 22 JUN 1924

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? *Bull 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 *by storm boards full height fitted into channels riveted to*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no.* Has the Bridge House an efficient Bulkhead at the fore end? *yes. bulkhead*
 Give particulars of the means for closing the openings in Bulkhead *steel doors.*
 What is the thickness of the Bridge Front plating? *40.* and Coaming plate? *44.*
 Give scantlings and spacing of the Stiffeners *9 x 3 x 50 Bull angle spaced 30" apart.*
 Are bracket plates fitted at each end of the Stiffeners? *yes.* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes.*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *yes.*
 How are the openings closed? *by storm boards full height fitted into channels riveted to bulkhead.*
 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 Section 28 of the Rules for 1904-5? Give particulars below:— *yes.*

Position and Size.		No. 1. 24' 9" x 19' 0"		No. 2. 28' 0" x 19' 0"		No. 3. 14' 0" x 19' 0"		No. 4. 35' 0" x 19' 0"		No. 5. 25' 8" x 19' 0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	30"		30"		30"		30"		30"	
	Sides.....	44		44		44		44		44	
	Ends.....	44		44		44		44		44	
SHIPPING DECKS OR WEB PLATES.	Number	4.		5.		2.		6.		5.	
	Section and Scantlings	17-9 1/2 x 36		15 1/2 - 9 x 36		12 1/2 - 8 x 36		17-9 x 36		15 1/2 - 8 1/2 x 34	
	Material	4 x 3 x 50		4 x 3 x 50		4 x 3 x 50		4 x 3 x 50		4 x 3 x 50	
* FORE AND AFTERS.	Number										
	Section and Scantlings	✓		✓		✓		✓		✓	
	Material										
HATCHES Thickness		2 1/2"		2 1/2"		2 1/2"		2 1/2"		2 1/2"	
Remarks.....		SOLID.									

* 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 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? _____

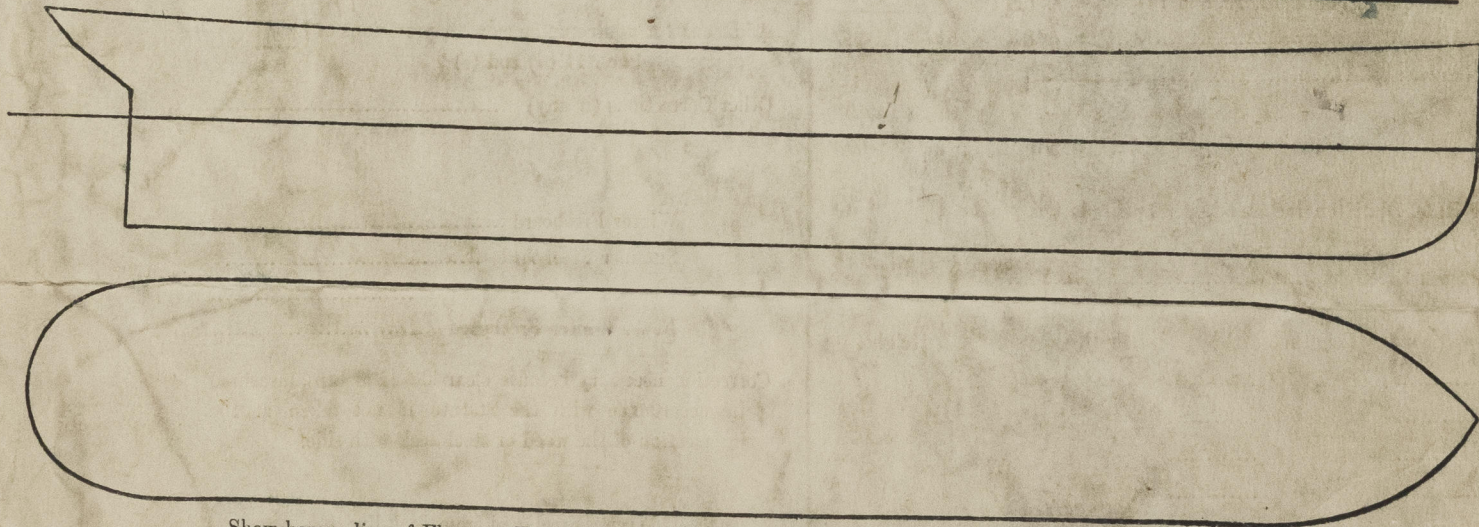
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft. Tenth.	Ft. Tenth.	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 *Lithgow's Ltd. No. 744.*

Names of sister vessels *✓* *The midship Section & Profile & deck plans are enclosed*

Owners *for reference & a freeboard request is also forwarded*

Address _____

Gross Tonnage *not yet received*
 Fee & *will be charged on*
entry report.

Received by me _____