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Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

WED. 21 MAR. 1917

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
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 *Swan*
Date of Survey *March 19th 1917*
Name of Surveyor *W. R. Aspinall*

Ship's Name <i>"May Birch"</i> <i>Warren</i>	Port of Registry and Nationality. <i>British</i>	Official Number. <i>✓</i>	Gross Tonnage. <i>✓</i>	Date of Build. <i>New vessel</i>	Particulars of Classification. <i>1-100 A. 1.</i> <i>Class contemplated motor coaster</i>
Number in Register Book <i>✓</i>					

	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
As measured from Register.	<i>110.0</i>	<i>21.55</i>	<i>8.9</i>	<i>172.08</i>
On Loadline.	<i>110.0</i>	Frame Depth Rule <i>3</i> <i>21.39</i>	Ceiling <i>fitted</i> Sheer <i>+ 22</i> <i>to tank top 9.10</i>	Peak Tanks <i>3</i> <i>less 100 when seating in main space</i>
Corrected Dimensions.	<i>110.0</i>	<i>21.39</i>	<i>9.12</i> <i>32</i>	<i>171.08</i>

Efficient of fineness..... *.784* *.76*
Modification necessary } *- 0.2* *Cell. 213*
Para. 4 (a) to (e)* }
Efficient as corrected *.764* *.74*

Stem..... *36*
Sternpost ... *18.15*
= *33*
at $\frac{1}{2}$ of the length from Stem *22* *40.25*
Sternpost *10.18* *38* $\div 2 =$ *16* Mean *29.09*
Mean Sheer *29* *29.09*
Mean Sheer [Table, Para. 18] *12.6* Correction
Difference..... *3.4* $\div 4 =$ *-.8*
Limited as Para. 18 (f)..... *7.525* *29.34*
- 2

in Sheer } At front of bridge house..... *none*
amidships }
18 (e) } At after end of forecastle *17*

in Sheer }
18 (d) } $\div 2 =$ *no drop*
uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—
rd, Table C..... *3*
on for Length, if required (Para. 12, 13, and 14) *- 1*
d by Table A. corrected for sheer and for length, if required (Para. 12, 13, and 14) *1.5*
e *1.3*
ge as below..... *22.48* *39.20%*
= - 4.38

n for R. Q. Dk. if engine and boiler openings not }
ered by bridge house (Para. 11) }
e for Deck Erections *- 4.2*

	Length.	Length allowed.	Height.
ouse	<i>8.9</i>	<i>8.75</i>	<i>7.0</i>
Qr. Dk.	<i>56.6</i>	<i>54.60</i>	<i>2.6</i> <i>off</i>
total	<i>110</i>	<i>80.0</i>	<i>1.3</i> <i>free end</i>
f Ship	<i>110</i>	<i>110</i>	<i>= .456</i>
ading percentage (11, 12, 13, or 14)	<i>2.81</i>	<i>22.48%</i>	<i>= 3.65</i> <i>eight</i>

BOARD 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 " " "

mes, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside ing should be reported if possible.
obtaining an allowance for deck erections under Para. 11 where the sheer drops aft amid- be height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
oked vessels the total standard mean sheer means the sheer measured at the stem and stern- in vessels having poops and forecastles, it means the sheer measured at points distant th of the vessel's length from stem and stern-post.

Moulded Depth as measured..... *11.0*
11-8
2-6
9-12
Keel 12

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..... *110*
Length in Table *132*
Difference *22*
Correction for 10ft., Table A. *.9* Table C. *.5*
 \times Difference divided by 10 *1.98* (if required.) *1.10*
If $\frac{1}{10}$ ths length covered divide by 2 *- 2* *- 1*

CORRECTION FOR IRON DECK.
Proportion covered, if less than $\frac{1}{10}$ ths length covered *.458* *.73*
Thickness of usual wood deck, less stringer *2 1/2*
- 1 1/2 *- 2 1/2*

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... *21.5*
Round of Beam *8 3/4*
Normal round..... *5 1/2*
Difference *2.625* $\div 2 =$ *1.31*
Proportion of Deck uncovered (Para. 19) *1.31* *1.27*
1.31 *1.27*

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

Freeboard, Table A *1.7*
Correction for Sheer *- 3/4*
Correction for Length *- 2*
Allowance for Deck Erections *- 4 1/2*
Correction for Round of Beam..... *- 1 1/2*
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required)
Additions for non-compliance with provisions of Para. 11 (d) and (e)
Other Corrections (if any)

Winter Freeboard *11 1/2*
Summer Freeboard *10 1/2*
Indian Summer Freeboard
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 iron deck with side. *+ 1*

Winter Freeboard from deck line *13 1/2*
Summer " " " " *11 1/2*
Indian Summer " " " "
N. A. Winter " " " "
Wood (Iron) Deck *11*

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.

Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *none*
 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 *no openings*
 Is the ~~Poop~~ or Raised Quarter Deck connected with the Bridge House? *yes* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *no openings*
 What is the thickness of the Bridge Front plating? *.24"* and Coaming plate? *.24"*
 Give scantlings and spacing of the Stiffeners *5 1/2 x 3 x .325 S.A. 25" 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? *9" coaming above 1st deck; hinged teak doors.*
 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. Iron*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *yes. Companion, hinged wood door. is same.*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *plating .24 Angles 2 1/2 x 2 1/2 x .28 @ 30" apart.*
 What is the height of the exposed Casings? *7.3* Are suitable means provided for closing all openings in them in bad weather? *hinged steel doors.*
 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. 19.3 x 14.6		No. 2 19.3 x 14.6							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	24	24	24	24						
	Sides.....	.44	.44	.44	.44						
	Ends.....	.40	.40	.40	.40						
SHIFTING BEAMS OR WEB PLATES.	Number	one.	one	one	one						
	Section and Scantlings	Plate 22 x .40	Plate 22 x .40	Plate 22 x .40	Plate 22 x .40						
	Material	4 angles 3 x 3 x .40	4 angles 3 x 3 x .40	4 angles 3 x 3 x .40	4 angles 3 x 3 x .40						
* FORE AND AFTERS.	Number	3	3	3	3						
	Section and Scantlings	Centre 8 x 8	Centre 8 x 8	Centre 8 x 8	Centre 8 x 8						
	Material	side 7 x 8	side 7 x 8	side 7 x 8	side 7 x 8						
HATCHES Thickness		2 1/2	2 1/2	2 1/2	2 1/2						
Remarks.....		wood	wood	wood	wood						

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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.) *No side lights below weather deck.*

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?*

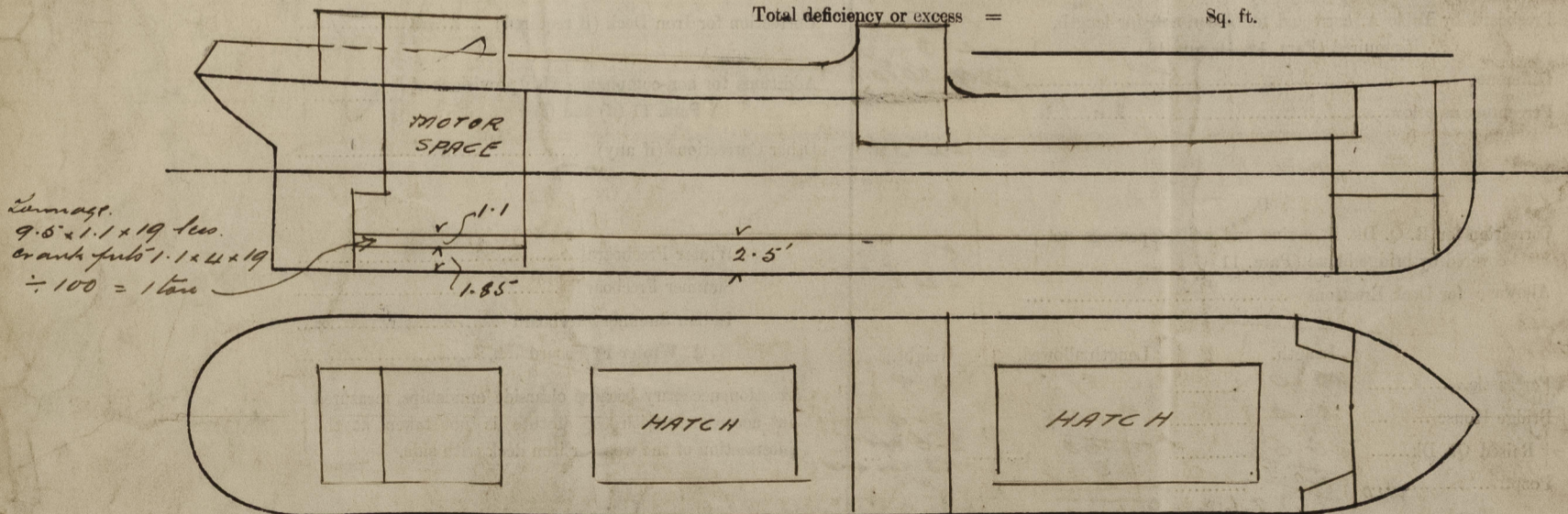
Delete the words { The Crew are, are not, berthed in the bridge house. *Vessel under 150 ft in length*
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well *29' 9"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *7.83* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *7.83* Sq. ft.
2. 25" x 1. 16 x 3

Total deficiency or excess = *7.83* 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 *Cellular double bottom, open floors in machinery space, ordinary frames, ceiling on tank top, see approved plans (3) herewith. Forward application form herewith*

Owners *W. D. Warren.*

Address *New Walland. Lines*

Fee £ *New Vessel* Received by me *✓*