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Index No. 26046
(For London Office only.)

Rpt. 11b.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

D165

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 *San Francisco Cal.*
Date of Survey *10th June 1927*
Name of Surveyor *David Millar*

Ship's Name WILLIAM A. McKENNEY	Port of Registry and Nationality <i>Boston United States</i>	Official Number 214583	Gross Tonnage 5855	Date of Build 1916	Particulars of Classification 10091
Number in Register Book 87162					

Registered dimensions from Ship's Register.	LENGTH. 395.0	BREADTH. 55.1	DEPTH. 31.0	UNDER DECK TONNAGE. 5418
Length on LOADLINE.	395.0	Frame Depth Rule 10	Ceiling Sheer 7	Peak Tanks A.P. 116
REGISTERED DIMENSIONS.	395.0	54.6	31.27	5508.24

Moulded Depth as measured... **34.6** (AMIDSHIPS)
Addition for Keel below base line for draught record... **2.08** inches.

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.....	395.0
Length in Table	414.0
Difference	19.0
Correction for 10ft., Table A.	1.7
Table C.8
× Difference divided by 10	3.23 (if required.) 1.52
If $\frac{1}{10}$ ths length covered divide by 2	- 3/4 - 1/2

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	4/6
Thickness of usual wood deck, less stringer	3/2
	- 13/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	55.0
Round of Beam	12"
Normal round.....	13 3/4"
Difference	1.75 ÷ 2 = .875
Proportion of Deck uncovered (Para. 19)54
	+ 1/2

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

efficient of fineness..... **.82**
modification necessary *cell D.B.*
Para. 4 (a) to (e)*
efficient as corrected **.80**

Stem..... **84** / **225** ÷ 2 = **61.25** Mean
Sternpost ... **38.5**

at $\frac{1}{2}$ of the length from { Stem **45** / **65.5** ÷ 2 = **32.75** Mean
Sternpost **20.5** / **59.5**

ual mean Sheer **59.55**
Standard mean Sheer [Table, Para. 18] **49.5** Correction
Difference..... **10.05** ÷ 4 = **2.5**
limited as Para. 18 (f) **- 2 1/2**

fall in Sheer { At front of bridge house..... ✓
amidships
Para. 18 (e) { At after end of forecastle

fall in Sheer } ÷ 2 =
Para. 18 (d) }
Deck uncovered Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	(9-7" - 3.3"
Correction for Length, if required (Para. 12, 13, and 14)	6-4 - 1/2
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	6-2 1/2 9-1 1/4
Difference	2-10 3/4
Percentage as below.....	29.2

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } **10.15**
Allowance for Deck Erections **- 10 1/4**

Length.	Length allowed.	Height.
Forecastle..... 37	37	7.5
Bridge House 117	117	7.5
Raised Qr. Dk..... 27	27	7.5
Total	181	46
Length of Ship	395	

Corresponding percentage (Para. 11, 12, 13, or 14) } **29.2%**

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 " " "	

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Freeboard, Table A	9-7
Correction for Sheer	- 2 1/2
	9-4 1/2
Correction for Length	- 3 1/4
	9-1 1/4
Allowance for Deck Erections	- 10 1/4
	8-3
Correction for Round of Beam.....	+ 1/2
	8-3 1/2
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required)	- 1 3/4
	8-1 3/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any)	✓

Winter Freeboard	8-1 3/4
Summer Freeboard	7-7 1/2
Indian Summer Freeboard	7-4 1/2
N. A. Winter Freeboard	7-1 1/4

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 1/2**

Winter Freeboard from deck line	8-3 1/4
Summer " " " "	7-9
Indian Summer " " " "	7-3
N. A. Winter " " " "	7-2 3/4

Winter Freeboard from deck line	7-9
Summer " " " "	7-6
Indian Summer " " " "	6 1/2
N. A. Winter " " " "	6

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible. Vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam. Flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† 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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W1308-0151

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 frames*
 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 *W.I. Doors*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *W.I. Doors*
 What is the thickness of the Bridge Front plating? *7/16* and Coaming plate? *1/2" spaced 27"*
 Give scantlings and spacing of the Stiffeners *Cargo in this space (with center 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? *W.I. 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*
 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 a bridge house*
 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 *1/4" plate. 4 x 3 x 3/8 angle stiffns spaced 24" apart*
 What is the height of the exposed Casings? *8'6"* Are suitable means provided for closing all openings in them in bad weather? *yes*
 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 Fore 27'0" x 18'0"		No 3 Fore 27'0" x 18'0"		No 3 St 18'0" x 15'9"		No 4 After 27'0" x 18'0"		No 5 After 27'0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	41	41		30		41		41	
	Thickness	Sides	.50	.50	.43		.50		.50	
		Ends	.50	.50	.43		.50		.50	
SHIFTING BEAMS OR WEB PLATES.	Number	5	5		3		5		5	
	Section and Scantlings	4 x 3 x 3/8	same		same		same		same	
	Material	steel	steel		steel		steel		steel	
* FORE AND AFTERS.	Number	+ 1 1/4 letter. 25/7/27								
	Section and Scantlings	✓	✓		✓		✓		✓	
	Material									
HATCHES Thickness	3"		3"		3"		3"		3"	
Remarks										

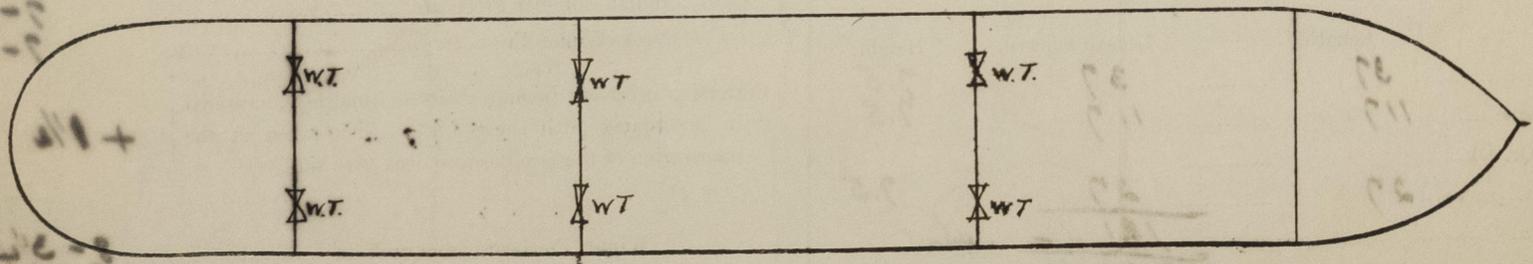
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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 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 that do not apply { The Crew are, are not, berthed in the bridge house.
 { 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. Tents. Ft. Tents. No. } Freeing Ports = _____ Sq. ft.
 (each side of vessel)
 Total deficiency or excess = _____ Sq. ft.

There are no openings through the vessel's sides or scudlight which would affect the position of the centre of the disc.



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
This is a custom vessel to the A.L. Keat

Owners *Mystic S.S. Co*
 Address *111 Devonshire Street, Boston, Mass.*
 Fee *\$ 80.00*
 Received by me _____

