

Rpt. 11b.

Preliminary Report.

No. 10535
28478

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

MUN. DEC. 8-1919

PARTICULARS RELATING TO ~~THE~~ STEAM SHIP ~~EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLE, SHORT POOP, AND BRIDGE HOUSE, DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.~~

Port of Survey **MIDDLESBRO'**
Date of Survey **December 1919**
Name of Surveyor **J. B. Cook**

Ship's Name Mason Smiths Dock Co's No 759	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification. + 100 A 1. contemplated.
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. 334.0'	BREADTH. 47.75 mld. 22.67 47.95 ex.	DEPTH. 22.67	UNDER DECK TONNAGE. 2940 (approx)
* Length on LOADLINE.	333.75	Frame Depth 10 Rule 5 1/2	Ceiling +20 Sheer +1.00	Peak Tanks } Nil
RECTED DIMENSIONS.	333.75	47.00	24.01	2940

Moulded Depth ~~.....~~ **24'-11"**
 Moulded Depth ~~.....~~ **given by Builders**

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

24-11
1-0
75-11
3-26
22.7

efficient of fineness..... **.779**
 modification necessary } **.02** **cell. D.F.B.**
 [Para. 4 (a) to (e)]*
 efficient as corrected **.762** **say .76**

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	333.75
Length in Table	299.00
Difference	34.75
Correction for 10ft., Table A.	1.3
× Difference divided by 10	4.52 (if required.)
If 1/10ths length covered divide by 2	+ 4 1/2

Stem..... **108**
Sternpost ... **54**
 $162 \div 2 = 81$... Mean

Stem **62**
Sternpost **25.5**
 $87.5 \div 2 = 43.75$... Mean

gradual mean Sheer **79.54**
 standard mean Sheer [Table, Para. 18] **43.37** Correction
 Difference..... **36.17** $\div 4 = -9$

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered50
Thickness of usual wood deck, less stringer	3 1/2

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

Fall in Sheer } **2** $\div 2 = 1$ allowance for part covered by Bridge =
 Para. 18 (d) } $1/2 \times 2 = 1$
 length uncovered Correction **Nil**

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	47.112
Round of Beam	12"
Normal round.....	12"
Difference	$\div 2 =$
Proportion of Deck uncovered (Para. 19)	

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	2.7
Correction for Length, if required (Para. 12, 13, and 14)	2 1/2
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	5.1 1/2
Difference	2.4
Percentage as below.....	32%
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }	9

Freeboard, Table A	5.6
Correction for Sheer	9
Correction for Length	4.9
Allowance for Deck Erections	4 1/2
Correction for Round of Beam.....	9
Correction for fall in Sheer (if any).....	1 1/4
Correction for Iron Deck (if required)	4.234
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any)	

Length.	Length allowed.	Height.
Forecastle..... 33.75	33.75	7.6
Bridge House 104.00	104.00	7.6
† Raised Qr. Dk.....		
Poop..... 29.29	29.29	7.6
Total	167.04	.50
Length of Ship	333.75	
Corresponding percentage (Para. 11, 12, 13, or 14) }	32%	

Winter Freeboard	4. 2 3/4
Summer Freeboard	3. 7 1/2 10 1/2
Indian Summer Freeboard	3. 6 1/2
N. A. Winter Freeboard	
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the iron deck with side. }	1 1/4"

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	4. 4 1/2
Summer " " " "	3. 4 1/2 4-0 1/4
Indian Summer " " " "	3. 8 1/8
N. A. Winter " " " "	
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the iron deck with side. }	1 1/4"

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
 † In 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.
 † In 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.

13 12 19

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