

Amended preliminary to plans submitted by Smith's Dock Co. Southbank on the

Index No. 27528 (For London Office only.)

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 *Middlesbro.*
Date of Survey *17.11.20*
Name of Surveyor

Northumberland 40242

Ship's Name <i>"Modum"</i>	Port of Registry and Nationality	Official Number	Gross Tonnage	Date of Build	Particulars of Classification <i>100 A1 Condenspl.</i>
Number in Register Book					

Registered Dimensions from Register	LENGTH. <i>355</i>	BREADTH. <i>50.95</i>	DEPTH. <i>24.95</i>	UNDER DECK TONNAGE. <i>3733.33</i>
Length on LOADLINE.	<i>354.58</i>	Frame Depth Rule <i>5 1/2</i>	Ceiling Sheer <i>1.01</i>	Peak Tanks
Corrected Dimensions	<i>354.58</i>	<i>50.03</i>	<i>25.96</i>	<i>3733.73</i>

Moulded Depth *from* measured..... *27-4*

Addition for Keel below base line for draught record..... 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.....	<i>354.58</i>
Length in Table	<i>328</i>
Difference	<i>26.58</i>
Correction for 10ft., Table A.	<i>1.4</i> Table C.
× Difference divided by 10	<i>3.72</i> (if required.)
If 1/10ths length covered divide by 2	<i>1.86 + 1 1/2</i>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<i>7/10</i>
Thickness of usual wood deck, less stringer	<i>- 3 1/2</i>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<i>49</i>
Round of Beam	<i>12 1/2</i>
Normal round.....	<i>12 1/4</i>
Difference	<i>1/4</i>
Proportion of Deck uncovered (Para. 19)	<i>1/2</i>

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

Efficient of fineness..... *.81*

Modification necessary Para. 4 (a) to (e)]* *0.073*

Efficient as corrected *.79*

Stem..... *108* } *162 ÷ 2 = 81* Mean *81.81*
Sternpost ... *54* } *45.46* Mean *36.35*

At 1/4 of the length from Stem *60* } *90 ÷ 2 = 45* Mean *1.01*
Sternpost *30* } *45* Mean *.55*

Mean Sheer *allowed* *81.4* = *81.81*

Mean Sheer [Table, Para. 18] *45.46* Correction

Difference..... *35.94 ÷ 4 =*

As permitted as Para. 18 (f) *-9*

Mean Sheer at front of bridge house.....

Mean Sheer at after end of forecastle

Mean Sheer at midships } *÷ 2 =*

Mean Sheer at 1/4 of length } *÷ 2 =*

Correction

ALLOWANCE FOR DECK ERECTIONS:—

Table C..... *3-5 1/2*

Correction for Length, if required (Para. 12, 13, and 14)

Correction by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) } *5-9 3/4*

As below..... *2-4 1/4*

Percentage *52.2%*

Correction *14.75*

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } *14 3/4*

Correction for Deck Erections

Length.	Length allowed.	Height.
<i>31</i>	<i>31</i>	<i>7-0</i>
<i>99.88</i>	<i>99.88</i>	<i>7-0</i>
<i>2.95 × 30/49 × .8 =</i>	<i>94.5</i>	<i>7-0</i>
<i>30.75</i>	<i>30.75</i>	<i>7-0</i>
<i>354.58</i>	<i>256.13</i>	
	<i>354.58 = .722</i>	

Freeboard, Table A	
Correction for Sheer	<i>6-6 3/4</i>
Correction for Length	<i>- 9</i>
Allowance for Deck Erections	<i>5-9 3/4</i>
Correction for Round of Beam.....	<i>+ 13 1/4</i>
Correction for fall in Sheer (if any).....	<i>5-11 1/2</i>
Correction for Iron Deck (if required)	<i>- 1-2 3/4</i>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<i>4-8 3/4</i>
Other Corrections (if any)	<i>- 3 1/4</i>
Winter Freeboard	<i>4-5 1/4</i>
Summer Freeboard	<i>5</i>
Indian Summer Freeboard	<i>4-0 1/4</i>
N.A. Winter Freeboard	<i>3-7 1/4</i>
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.	<i>1 3/4</i>

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

RD 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 " " " "	

When skin planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible. An allowance for deck erections under Para. 11 where the sheer drops abaft amidship height of the R.O.D. is to be taken from the level of the top of the amidship beam. For vessels having poops and forecastles, it means the sheer measured at the stem and stern. For vessels having poops and forecastles, it means the sheer measured at points distant from the vessel's length from stem and stern-post.

Winter Freeboard from deck line	<i>4-7</i>
Summer " " " "	<i>4-2</i>
Indian Summer " " " "	<i>3-9</i>
N.A. Winter " " " "	
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Copy to Middlesbro Surveyor 17.11.20.
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