

Preliminary Report

WED. 11 DEC. 1918

No 17393

Lloyd's Register of Shipping.

27313

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

ARTICLES RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Greenock
Date of Survey 9th Dec 1918
Name of Surveyor Robert Dunsmeuir

Ship's Name Thos Murray Ltd
Port of Registry and Nationality Greenock
Official Number 10071
Gross Tonnage 20' incl upper deck
Date of Build R.Q.D. 8th
Particulars of Classification *10071 (Contemplated)

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
314	44		
314	Frame Depth Rule	Ceiling Sheer	Peak Tanks

Moulded Depth as measured..... 20'-0" upper deck
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.....	314
Length in Table	240
Difference	74
Correction for 10ft., Table A.	1.2
Table C.	
× Difference divided by 10	8.88 (if required.)
If 1/6ths length covered divide by 2	4.44
	+ 4 1/2

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/6ths length covered	
Thickness of usual wood deck, less stringer	- 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	
Round of Beam	11"
Normal round.....	
Difference	÷ 2 =
Proportion of Deck uncovered (Para. 19)	

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

fineness..... As given 71 approx
Correction necessary (a) to (e)*
Corrected
102 } 150 ÷ 2 = 75 Mean
48 }
the length from Stem 57 } 84 1/2 ÷ 2 = 42.25 Mean
Sternpost 27 1/2 } - .55 = 41.7
Sheer 76.8 allowed 75.9
Correction
an Sheer [Table, Para. 18] 41.4
Difference..... 34.5 ÷ 4 = 8.625
as Para. 18 (f)..... - 8 3/4

At front of bridge house.....
At after end of forecastle
÷ 2 =
Correction

ALLOWANCE FOR DECK ERECTIONS :—
Table C..... 1'- 3 1/4"
Length, if required (Para. 12, 13, and 14)
Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 2'- 11 1/2"
below..... 1'- 8 1/4"
81.6
- 16 1/2
R. Q. Dk. if engine and boiler openings not by bridge house (Para. 11) } + 2
Deck Erections 14 1/2

Length.	Length allowed.	Height.
31.3	31.3	8'-9"
214.0	214.0	5'-6"
26.7	26.7	7'-3"
	272.0	
	314.0	

81.6

Freeboard, Table A	3' - 8 1/4
Correction for Sheer	- 8 3/4
Correction for Length	+ 4 1/2
Allowance for Deck Erections	3' - 4"
Correction for Round of Beam.....	1' - 2 1/2
Correction for fall in Sheer (if any).....	1' - 11 1/2
Correction for Iron Deck (if required)	- 3 1/2
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	1 - 8 10
Other Corrections (if any) R.Q.D. 8th	5' - 6"
	7' - 2 1/4
Winter Freeboard	7' - 2 1/4
Summer Freeboard	6' - 10 3/4 7' - 0 1/2
Indian Summer Freeboard	6' - 7 1/2 6' - 9
N. A. Winter Freeboard	7' - 11 1/2

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 3/4

Winter Freeboard from deck line	7' - 3 3/4 5 3/4
Summer " " " "	7' - 0 1/2 2 1/4
Indian Summer " " " "	6' - 9 1/2 10 3/4
N. A. Winter " " " "	7' - 5 3/4 7 3/4

WARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :—

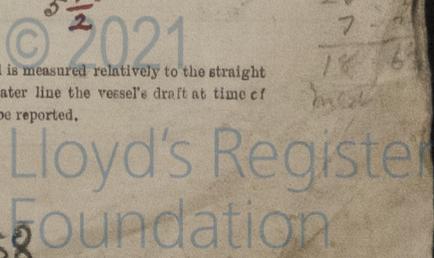
Fresh Water Line above centre of Disc	4 1/2
Indian Summer Line " " "	3 1/2
Winter Line below " " "	3 1/2
Winter North Atlantic Line " " "	5 1/2

† 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.

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 amidships height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
In 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 1/6th of the vessel's length from stem and stern-post.

to Surveyor 24.12.18.

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Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? Bridge House? Forecastle?

To what height do the Reverse Frames extend?

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? and Coaming plate?

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners? Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed?

Is the Forecastle at least as high as the main or top-gallant rail? Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?

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:—

Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
Item.		Ship.	Rule.										
COAMING.	Height above top of DECK												
	Thickness { Sides..... Ends.....												
SHIFTING BEAMS OR WEB PLATES.	Number												
	Section and Scantlings												
	Material												
* FORE AND AFTERS.	Number												
	Section and Scantlings												
	Material												
HATCHES Thickness													
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?

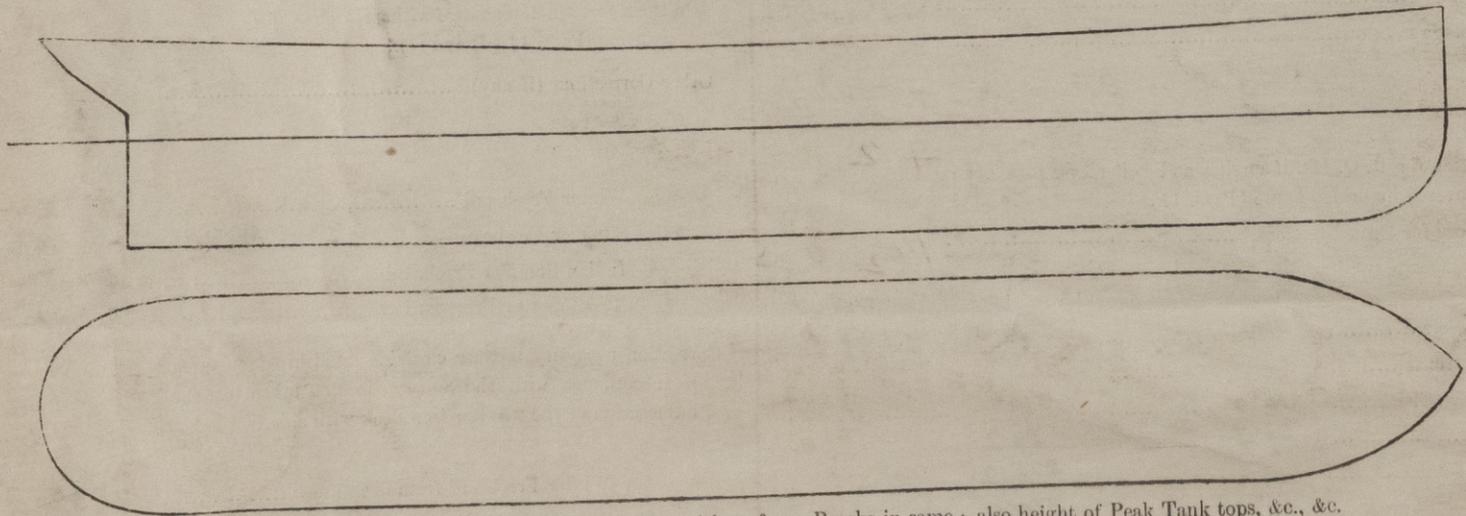
Delete the words { The Crew are, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

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

Ft.	Tenths.	Ft.	Tenths.	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. *The freeboards recommended hereon are based on particulars supplied by the Builders and are subject to the same being verified on completion; the Sheers being of a gradual character; the freeing port area Owners being as required by the Rules & the Berws facilities being fitted.*

" *Address The plans of Midship Section & Profile & Decks are at present in the London Office*

Fee £ *Received by me*



Lloyd's Register Foundation
9-12-18.