

Lloyd's Register of British & Foreign Shipping.

16371

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 Greenock.
Date of Survey while building.
Name of Surveyor A.W. MacKinnon.

Shell deck vessel with tonnage opening aft. 14' 0" x 4' 0"

Table with columns: Ship's Name (S.S. LINNEMERE), Port of Registry (Manchester), Official Number (135357), Gross Tonnage (1579), Date of Build (Building 1913), Particulars of Classification (10091. Shell deck with freeboard (class contemplated)).

Table with columns: Registered dimensions from Ship's Register, Length on LOADLINE, CORRECTED DIMENSIONS, LENGTH, BREADTH, DEPTH, UNDER DECK TONNAGE.

Moulded Depth as measured 18' 11"
NOTE - If the depth is measured when vessel is afloat, the details of measurement should be reported.

Table: CORRECTION FOR LENGTH. Length of Ship on Loadline 265.5, Length in Table 229.0, Difference 38.5, Correction for 10ft., Table A 1.1, x Difference divided by 10 4.23, If 1/10ths length covered divide by 2 2.11 say + 2.

Co-efficient of fineness 7400
Any modification necessary [Para. 4 (a) to (e)]* -02 for C.D.B.
Co-efficient as corrected 7200 say 72

Table: CORRECTION FOR IRON DECK. Proportion covered, if less than 1/10ths length covered 3 1/2, Thickness of usual wood deck, less stringer 3 1/2.

Sheer { Stem 82, Sternpost 45 } 127 / 2 = 63.5 Mean 69.09
Sheer at 1/2 of the length from { Stem 48, Sternpost 28 } 76 / 2 = 38 Mean
Gradual mean Sheer 63.5 + 69.09 = 66.29 / 2 = 69.09
Standard mean Sheer [Table, Para. 18] 36.55 Correction 43
Difference 29.54 / 4 = -7.38
§ If limited as Para. 18 (f) 29.74 say - 7 1/2

Table: CORRECTION FOR ROUND OF BEAM. Breadth at Gunwale amidships, Round of Beam 9 3/4, Normal round, Difference / 2, Proportion of Deck uncovered (Para. 19).

Rise in Sheer from amidships { At front of bridge house, At after end of forecastle }
Fall in Sheer Para. 18 (d) / 2 =
Length uncovered Correction

Table: Freeboard calculations. Freeboard, Table A 3' 5 1/4, Correction for Sheer 7 1/2, Correction for Length 2' 11 3/4, Allowance for Deck Erections 1' 7 3/4, Correction for Round of Beam 1' 3' 4, Correction for fall in Sheer, Correction for Iron Deck, Additions for non-compliance with provisions of Para. 11 (d) and (e), Other Corrections.

ALLOWANCE FOR DECK ERECTIONS: Freeboard, Table C 1 - 0.83, Correction for Length, if required (Para. 12, 13, and 14), Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 2 - 9.73, Difference 1 - 8.90, Percentage as below 19.67, Correction for B. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 1' 7 3/4, Allowance for Deck Erections 1' 8 3/4.

Table: Winter Freeboard, Summer Freeboard, 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.

Table: Forecastle, Bridge House, Poop, Total, Length of Ship, Corresponding percentage (Para. 11, 12, 13, or 14) 94.10%.

Table: FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck, Fresh Water Line, Indian Summer Line, Winter Line, Winter North Atlantic Line.

NOTE - 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 about amidships the height of the B.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.

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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? *Bulk angle framing*
 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? } 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? *Complete shelter deck*
 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? *yes*
 How are the openings closed? *storm boards full height fitted in channels riveted to bulkhead*
 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? *yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *by shelter decks*
 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
 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:— *yes*

Position and Size.	No 1. 17' 7" x 13' 11 1/2"		No 2. 21' 6" x 14' 0"		No 3. 19' 6" x 13' 11 1/2"		No 4. 15' 7" x 13' 10 1/2"		Tonnage opening 4' 0" x 4' 0" wide	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING										
Height above top of DECK	30"	18"	30"	18"	30"	18"	30"	18"		
Thickness	Sides	40	44	44	44	44	40	40		
	Ends	40	36	40	40	40	36	36		
SHEER STRAKES OR WEB PLATES	Number	3	4	4	3	2	2			
	Section and Scantlings	<i>3 3/4 x 40 14 x 3/4</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>3 3/4 x 40 16 x 3/4</i>	<i>3 3/4 x 40 14 x 3/4</i>	<i>3 3/4 x 40 18 x 3/4</i>	<i>efficient means provided for temporarily closing opening</i>	
	Material	<i>Steel</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>Steel</i>	<i>Steel</i>	<i>Steel</i>		
* FORE AND AFTERS	Number	✓								
	Section and Scantlings	✓								
	Material	✓								
HATCHES Thickness	3"	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	3"	<i>solid</i>
Remarks	<i>solid</i>									

* 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 table 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? *5/8"* Strake between Main and Bridge Sheerstrakes? *50"*

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

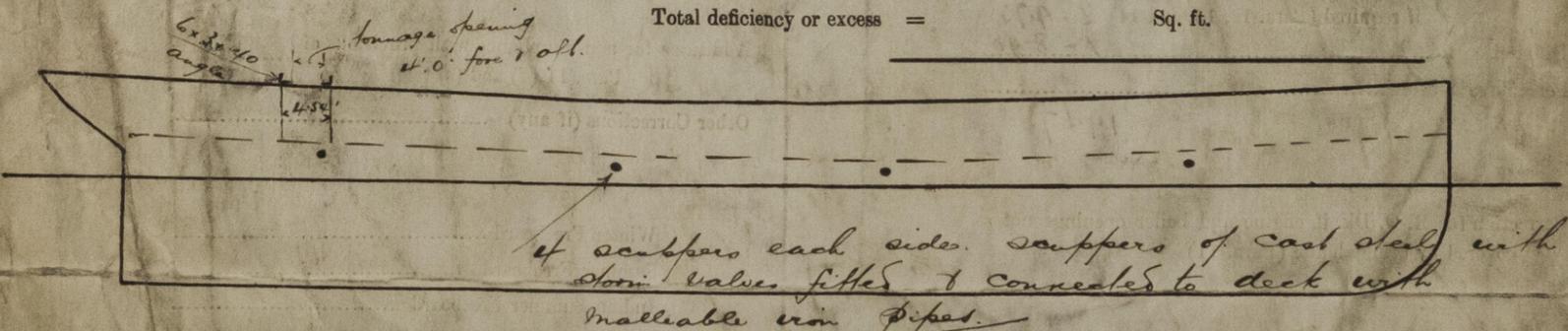
Area of Freeing Ports required by Para. 11 (e) each side of vessel = *✓* Sq. ft. *✓*

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = Sq. ft.

x x } Total deficiency or excess = Sq. ft.

x x } Total deficiency or excess = Sq. ft.

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 *Complete shelter deck vessel, see preliminary Fed. rpt. Govt No 16196 & Secy's letter M. 19/3/12. The approved midship section & profile plans are enclosed for reference.*

Owners
 Address

Fee £

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