

Lloyd's Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.PARTICULARS RELATING TO ALL STEAM SHIPS ~~OTHER~~ ~~PLUSH~~ ~~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 Reith
Date of Survey 24th Jan 1921
Name of Surveyor A. T. ThomasShip's Name "Sloop now Leo" Port of Registry and Nationality London?
Number in Register Book 72798 British Official Number 145059 Gross Tonnage 1128 Date of Build 1908 Particulars of Classification contemplated 100 A.1.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>225.7</u>	<u>35.4</u>	<u>14.45</u>	<u>929.53</u>
Length on LOADLINE.	<u>224.11</u>	Frame Depth <u>7.5</u> Rule <u>8.208</u> Ceiling <u>filled</u> Sheer <u>+ .64</u> Peak Tanks <u>Ind.</u>		
		<u>3 3/4 x 2 = .62</u>		
CORRECTED DIMENSIONS.	<u>224.92</u>	<u>34.78</u>	<u>15.09</u>	<u>929.53</u>

Co-efficient of fineness..... .79 7875
Any modification necessary { C.D.B
[Para. 4 (a) to (e)]*
Co-efficient as corrected..... .77Sheer { Stem 6.3 3/4 } 9.1 ÷ 2 = 54.5 Mean 55.68
at { Sternpost 2.94 }
Sheer at 1/2 of the length from { Stem 3.9 } 5.1 1/4 ÷ 2 = 30.625 Mean
{ Sternpost 1.44 }
Gradual mean Sheer 55.09 ÷ .55 = 55.68
Standard mean Sheer [Table, Para. 18] 32.49 Correction
Difference..... 22.60 ÷ 4 = 5.65
§ If limited as Para. 18 (f)..... - 5 3/4Rise in Sheer { At front of bridge house.....
from amidships {
[Para. 18 (e)] { At after end of forecastleFall in Sheer {
Para. 18 (d) } ÷ 2 =
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0.10 1/4
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, } 2.6 3/4
if required (Para. 12, 13, and 14) } 1.8 1/2
Difference 84.67 69.67
Percentage as below..... 14.27
Para. 12 Scale, Class A Appliances. 17.34
" " 1.5 1/4
Correction for R. Q. Dk, if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections - 1.2 1/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>29.0</u>	<u>28.65</u>	<u>7.1</u>
Bridge House.....	<u>98.0</u>	<u>98.00</u>	<u>7.0</u>
† Raised Qr. Dk.....	<u>75.0</u>	<u>75.00</u>	<u>4.1</u>
Poop.....			
Total.....		<u>201.55</u>	<u>1.896</u>
Length of Ship.....		<u>224.92</u>	

Corresponding percentage { 69.6%
(Para. 11, 12, 13, and 14)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	"	...

* 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 amidships 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 stern-post.

2m. 9.12. T.

Moulded Depth as measured..... 17.0 3/4 to upper deck

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..... 224.11 224.92
Length in Table 204.75
Difference 20.17
Correction for 10ft., Table A. 1.1 Table C.
× Difference divided by 10 2.218 (if required.)
If 1/10ths length covered divide by 2 1.109
+ 1CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered
Thickness of usual wood deck, less stringer 3 - 3
CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... 35.25 feet
Round of Beam..... 7 3/4
Normal round..... 7.06
Difference69 ÷ 2 = 345
Proportion of Deck uncovered (Para. 19) 11Freeboard, Table A 3.0 1/2
Correction for Sheer - 5 3/4
Correction for Length + 1
Allowance for Deck Erections 1.5 1/4
1.2 1/2
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) - 3
Additions for non-compliance with provisions of } 1.2 1/2
Para. 11 (d) and (e) † }
Other Corrections (if any)Winter Freeboard 1.2 1/2
Summer Freeboard 1.0
Indian Summer Freeboard 0.9 1/2
N. A. Winter Freeboard 1.4 1/2
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ iron deck with side. 1 1/4Winter Freeboard from deck line 1.3 3/4
Summer " " " 1.1 1/4
Indian Summer " " " 0.10 3/4
N. A. Winter " " " 1.5 3/4
Correction for 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.

* 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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Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *no reverse 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 *no openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *yes* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *class A shifting boards in riveted channels*
 What is the thickness of the Bridge Front plating? *30* and Coaming plate? *36*
 Give scantlings and spacing of the Stiffeners *6x3x36 B.A. spaced 26 1/2" horizontal to hatch end*
 Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *bulwark rail*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*
 How are the openings closed? *no openings*
 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~~ Steel Deckhouse? *yes*
 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? *7.2' above B.O.K.* 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* *Approved for classification at Glasgow*

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	3'-3"		2'-8"		2'-8"		2'-8"			
Thickness { Sides.....	437		437		437		437			
Ends.....	437		375		437		437			
SHIFTING BEAMS OR WEB PLATES. Number	2		3		1		3			
Section and Scantlings	9x5 1/2 x 3/4		9x5 1/2 x 3/4		✓		9x5 1/2 x 3/4			
Material	steel		steel				steel			
* FORE AND AFTERS. Number	3		3		1		3			
Section and Scantlings	8x6x6x6		8x6x6x6		8x6		8x6x6x6			
Material	pine		pine		pine		pine			
HATCHES Thickness	3"		2 1/2"		3"		3"			
Remarks.....	new		new		new		new			

* 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 tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

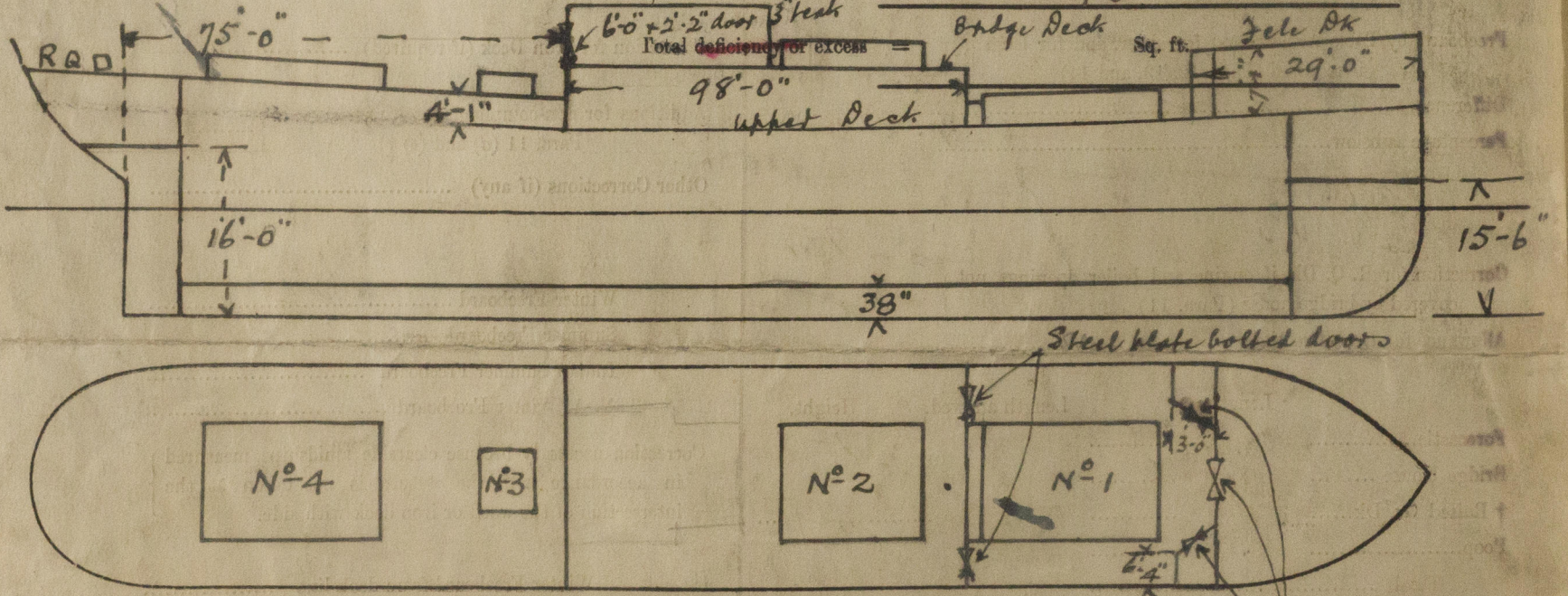
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

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~~ satisfactory.

Length of Bulwarks in well *23'-8" 22.92'*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *8.79* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *4.266 x 1.92* Sq. ft. *51*
2.66 x *1.92* x *2* } *8.79* Sq. ft. *51*



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

Owners *Ellerman Lines Ltd.*

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