

7 OCT 1930

Index No.
(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
Date of Survey
Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
LORCA	LONDON BRITISH	162525		1930	+100 A1 Contemplated
Length.	Breadth.	Depth.	Under Deck Tonnage.	Moulded Depth as measured.	
393.4	53.8	26.6	4558.93	29-0	
Frame Depth	Ceiling	Peak		Addition for Keel below base line for draught record.	
393	12	7		2 1/8 inches.	
Rule	Sheer	Tanks			
-1-0	1.00	Raised tank aft 29.9			
CORRECTED DIMENSIONS.	393	52.8	27.59	4588.83	

Co-efficient of fineness.....
Any modification necessary [Para. 4 (a) to (e)]*
Co-efficient as correctedSheer { Stem.....
at { Sternpost ...
Sheer at 1/3 of the length from { Stem
{ Sternpost
Gradual mean Sheer
Standard mean Sheer [Table, Para. 18]
Difference
§ If limited as Para. 18 (f)Rise in Sheer { At front of bridge house.
from amidships {
[Para. 18 (e)] { At after end of forecastleFall in Sheer {
Para. 18 (d) {
Length uncovered {

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....
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)
Difference
Percentage as below.....

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	38-9	38.75	7-0
Bridge House.....	46-10 1/2	46.75	7-0
† Raised Qr. Dk.....	119-4 1/2		
Poop.....	29-7 1/2	29.62	7-0
Total.....	187.25	187.12	
Length of Ship.....	393	393	
Corresponding percentage { (Para. 12, 13, and 14) {	30.25		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Steel) Deck:—

Fresh Water Line	above centre of Disc	
Indian Summer Line	"	
Winter Line	"	
Winter North Atlantic Line	"	

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/3 length covered
Thickness of usual wood deck, less stringerCORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships.....
Round of Beam
Normal round.....
Difference
Proportion of Deck uncovered (Para. 19)

Freeboard, Table A	86.50	7-2 1/2
Correction for Sheer	-8.98	-9 1/4
Correction for Length	+6.75	+6 3/4
Allowance for Deck Erections	-10.01	-10 1/4
Correction for Round of Beam	+0.8	+0 1/2
Correction for fall in Sheer (if any)		
Correction for Steel Deck (if required)	-1.67	-1 1/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) †		
Other Corrections (if any)		

Winter Freeboard
Summer Freeboard (45.6)
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 steel deck with side.

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

† 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 stern-post. 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.

+ 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.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulk angle framing*
 Has the Poop ~~on Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Shifting boards in riveted channels*
 Is the Poop ~~on Raised Quarter Deck~~ connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Two watertight doors (Satisfactory)*
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners *9 x 3 1/2 x .48 30 inches apart*
 Are bracket plates fitted at each end of the Stiffeners? *Lugged* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Shifting boards in riveted channels*
 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, Deck, Raised Quarter Deck, or enclosed by a Strong Iron or 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? *✓* 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 the Rules? Give particulars below:— *Yes*

Position.	1. 29-3 * 25-11 1/2	2. 32-1 * 25-11 1/2	3. 27-6 * 21-11 1/2	4. 32-1 * 23-11 1/2	5. 32-1 * 23-
Size.					
COAMING.					
Height above top of DECK	3-3	3-3	3-1 1/2	3-3	3-3
Thickness { Sides.....	.50	.52	.50	.52	.52
Ends.....	.44	.44	.44	.44	.44
SHIFTING BEAMS OR WEB PLATES.					
Number	4	4	3	4	4
Section and Scantlings	7 1/2 x 23 1/2 x .40	7 1/2 x 25 x .40	7 1/2 x 19 x .36	7 1/2 x 24 x .40	7 1/2 x 24 x .40
Material	Angles 5 1/2 x 3 1/2	4 x 8	4 1/2 x 3 x .46	5 x 3 1/2 x .46	
* FORE AND AFTERS.					
Number	✓	✓	✓	✓	✓
Section and Scantlings					
Material					
HATCHES Thickness	3 1/2	3 1/2	3	3 1/2	3 1/2
Remarks.....					

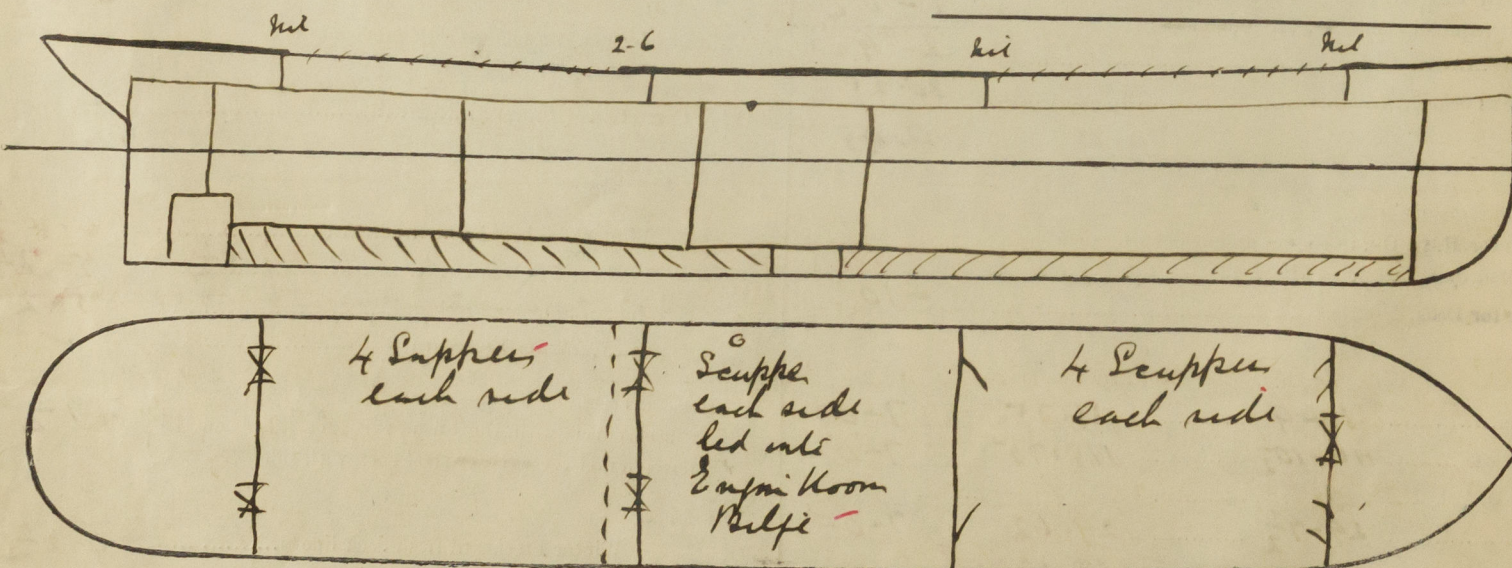
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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 keel 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 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 *Forward 98-6 1/2 aft 110-0*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *Forward 19.71 aft 22.00* Sq. ft.
 Ft. Tenths. Ft. Tenths. No. *19.71 22.00*
 3.83 x 1.33 x 5 } Freeing Ports = *49.2* Sq. ft.
 3.83 x 1.33 x 5 } (each side of vessel) = *24.75*
 Total deficiency or excess = *5.04 2.75* 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 *✓*

Builder's name and yard number *Mont John Readhead & Son Ltd 504*

Names of sister vessels

Owners *F. C. Clark & Co*

Address

Fee £ *8 : 6 : 8*

Received by me *See L.B. Report.*



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