

33577

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 NEWCASTLE-ON-TYNE
Date of Survey While Building
Name of Surveyor Hy E T Island

Ship's Name LORCA	Port of Registry and Nationality LONDON BRITISH	Official Number 162525	Gross Tonnage	Date of Build 1930	Particulars of Classification +100 A1 Contemplated
Number in Register Book					
Length	Breadth	Depth	Under Deck Tonnage		
393.4	53.8	26.6	4558.93		
Corrected Length	Corrected Breadth	Corrected Depth	Corrected Under Deck Tonnage		
393	52.8	27.59	4588.83		

Moulded Depth as measured..... **29-0**

Addition for Keel below base line for draught record... **2 1/8** inches.

NOTE - If the depth is measured when vessel is afloat, the details of measurement should be reported.

29-0
1-1
30-1
3-6 1/2
20-6 3/8

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	393
Length in Table	348
Difference	45
Correction for 10ft., Table A.	1.5
Table C.7
x Difference divided by 10	6.75
(if required.)	3.15
If 1/10th length covered divide by 2	+6 3/4
	+3 1/4

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10th length covered476
Thickness of usual wood deck, less stringer	1.67 1/2 - 1 3/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	53-3
Round of Beam	13
Normal round.....	13.58.31
Difference	38.31 ÷ 2 = 19.15
Proportion of Deck uncovered (Para. 19)08

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

Co-efficient of fineness..... **.801**

Any modification necessary [Para. 4 (a) to (e)]* **.02 C.D.B.**

Co-efficient as corrected **.78**

Sheer { Stem..... **114** } **171** ÷ 2 = **85.5** Mean

at { Sternpost ... **57** } **.998**

Sheer at 1/3 of the length from { Stem **62.5** } **93.75** ÷ 2 = **46.87** Mean

{ Sternpost **31.25** } **.55** = **85.22**

Gradual mean Sheer **85.22**

Standard mean Sheer [Table, Para. 18] **49.30** Correction

Difference..... **35.92** ÷ 4 = **8.98**

§ If limited as Para. 18 (f) **-9**

Rise in Sheer { At front of bridge house..... } ✓

from amidships [Para. 18 (e)] { At after end of forecastle

Fall in Sheer } ÷ 2 = ✓

Para. 18 (d) }

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	4-0
Correction for Length, if required (Para. 12, 13, and 14)	+ 3 1/4
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	7-0 1/4
Difference	2-9
Percentage as below.....	30.25-33%
	9.98
	10.01

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

Allowance for Deck Erections **-10**

Length.	Length allowed.	Height.
Forecastle..... 38-9	36.75	7-0
Bridge House 46-10 1/2	118.75	7-0
† Raised Qr. Dk.....		
Poop..... 29-7 1/2	29.62	7-0
Total 187.25	187.12	
Length of Ship 393	393	.475
Corresponding percentage (Para. 12, 13, and 14) }	30.25	.33%

Freeboard, Table A	86.50	7-2 1/2
Correction for Sheer	-8.98	-9 1/4
Correction for Length	77.52	6-5 1/2
Correction for Length	+6.75	+6 3/4
Allowance for Deck Erections	84.27	7-0 1/4
Correction for Round of Beam.....	-10.01	-10 1/4
Correction for fall in Sheer (if any).....	74.26	6-2 1/4
Correction for Steel Deck (if required).....	+1.08	
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	74.34	
Other Corrections (if any)		

Winter Freeboard	6-0 1/2
Summer Freeboard (As:6)	5-7 1/4
Indian Summer Freeboard	5-2
N.A. Winter Freeboard	
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood steel deck with side.	+1 3/4
Winter Freeboard from deck line	6-2 1/4
Summer " " " "	5-9
Indian Summer " " " "	5-3 1/4
N.A. Winter " " " "	

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

Fresh Water Line above centre of Disc	5-9	5-9
Indian Summer Line " " " "	6	6
Winter Line below " " " "	5 1/2	5 1/2
Winter North Atlantic Line " " " "	5	5

† 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 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.

† 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.



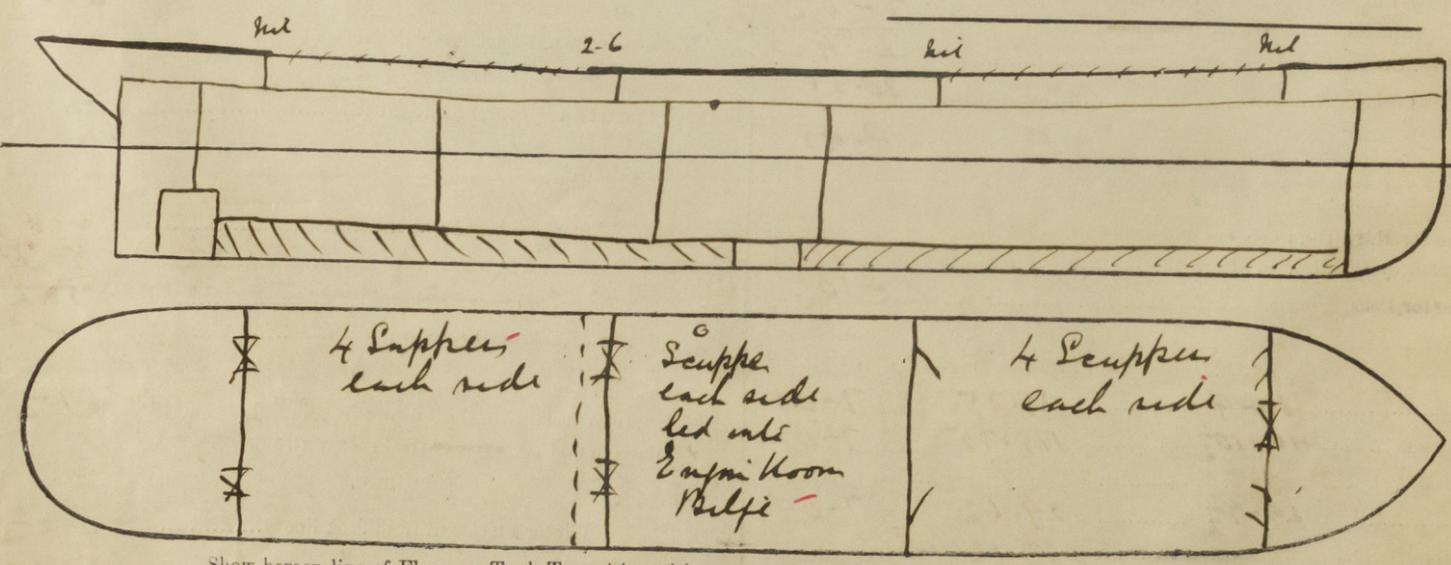
Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulk angle framing*
 Has the Poop ~~on Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars 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, Poop, 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? *Yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *Yes*
 What is the height of the exposed Casings? *Yes* 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
	Thickness	Sides..... .50 Ends..... .44	.52 .44	.50 .44	.52 .44
SHIFTING BEAMS OR WEB PLATES.	Number	4	4	3	4
	Section and Scantlings	7 1/2 x 23 1/2 x .40 Angles 5 1/2 x 3 1/2	7 1/2 x 25 x .40	7 1/2 x 19 x .36 4 1/2 x 3 x .46	7 1/2 x 24 x .40 5 x 3 1/2 x .46
	Material				
* FORE AND AFTERS.	Number				
	Section and Scantlings				
	Material				
HATCHES	Thickness	3 1/4	3 1/4	3	3 1/4
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, ~~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. *inches*
 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 - 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 *Yes*
 Builder's name and yard number *Thos John Readhead & Son L^d 504*
 Names of sister vessels _____
 Owners *F. C. Church & Co*
 Address _____
 Fee £ *8 : 6 : 8* Received by me *See L.C. Report.*

