

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. **324444**  
(For London Office on **22 AUG 1927**)

N<sup>o</sup> **29500**

CLARs RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH T<sup>o</sup> GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey **Sunderland**  
Date of Survey **20/8/27**  
Name of Surveyor **G. W. Green**

Ship's Name.  
**FRANCES MASSEY**

Port of Registry and Nationality.

Official Number.  
**160,060**

Gross Tonnage.

Date of Build.

Particulars of Classification.

**\* 100 A1 with freeboard class contemplated**

Number in Register Book

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<b>365.0</b>	<b>51.5</b>	<b>25.1</b>	<b>3946.49</b>
Length on LOADLINE.	<b>364.54</b>	Frame Depth <b>12</b> Rule " <b>6</b> <b>2 x 6 = 12</b> <b>Large bottom fitted</b>	Ceiling <b>+ 2.0</b> Sheer <b>+ 1.23</b>	Peak <b>Included</b> Tanks
CORRECTED DIMENSIONS.	<b>364.54</b>	<b>50.5</b>	<b>26.53</b>	<b>3946.49</b>

Moulded Depth as measured.....

**27-6**

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

Addition for Keel below base line for draught record.....inches.

### CORRECTION FOR LENGTH

Length of Ship on Loadline.....	<b>364.54</b>
Length in Table .....	<b>338.00</b>
Difference .....	<b>34.54</b>
Correction for 10ft., Table A. ....	<b>1.4</b> Table C.
x Difference divided by 10 .....	<b>4.83</b> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<b>2.42</b> <b>+ 2 1/2</b>

### CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered .....	<b>3 1/2</b>
Thickness of usual wood deck, less stringer .....	<b>- 3 1/2</b>

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<b>50-1</b>
Round of Beam .....	<b>12</b>
Normal round.....	<b>12 1/2</b>
Difference .....	<b>1/2</b> ÷ 2 = <b>1/4</b>
Proportion of Deck uncovered (Para. 19) .....	

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

Co-efficient of fineness.....  
Any modification necessary {  
[Para. 4 (a) to (e)]\*  
Co-efficient as corrected .....

**.808**  
**- .02**  
**.788 say .79**

Sheer { Stem.....**113** } **176** ÷ 2 = **88** ... Mean **36 1/4**  
at { Sternpost ... **63** }  
Sheer at  $\frac{1}{2}$  of the length from { Stem **66** } **100** ÷ 2 = **50** ... Mean **55 1/2**  
{ Sternpost **34** }  
Gradual mean Sheer **88.0 + 50.0 = 89.45**  
Standard mean Sheer [Table, Para. 18] **46.45** Correction  
Difference.....**43.00** ÷ 4 = **10.75**  
§ If limited as Para. 18 (f) ..... **- 10 3/4**

Rise in Sheer { At front of bridge house.....  
from amidships {  
[Para. 18 (e)] { At after end of forecastle .....

Fall in Sheer {  
Para. 18 (d) } ÷ 2 =  
Length uncovered ..... Correction

### ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<b>3-6 1/4</b>
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) }	<b>5-8 3/4</b>
Difference .....	<b>2-2 1/2</b>
Percentage as below <b>26.5 x 94.38 =</b>	<b>25.01</b>

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.....	<b>331.13</b>	<b>331.05</b>	<b>7-6</b>
Bridge House.....	<b>4.16</b>		
After end of forecastle.....	<b>29.25</b>	<b>29.00</b>	<b>7-6</b>
Poop.....	<b>364.54</b>	<b>360.05</b>	
Total .....	<b>364.54</b>		
Length of Ship .....	<b>362.29</b>	<b>= 99.38</b>	
Corresponding percentage { (Para. 11, 12, 13, or 14) }	<b>94.38</b>	<b>364.54</b>	

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

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

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† 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 the length of the vessel's length from stem and stern-post.

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ steel deck with side.

Winter Freeboard .....	<b>3-6 3/4</b>
Summer Freeboard .....	<b>3-1 1/4</b>
Indian Summer Freeboard .....	<b>2-7 3/4</b>
N. A. Winter Freeboard .....	

Winter Freeboard from deck line .....	<b>3-8 1/2</b>
Summer " " " " .....	<b>3-3</b>
Indian Summer " " " " .....	<b>2-9 1/2</b>
N. A. Winter " " " " .....	

† 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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RECEIVED

W375-0057

Port of Survey



all built angle frames extend to shelter deck 3/4 also fore of 2/5 fore

Do all the Frames extend to the top height in the Poop? *Yes*  
To what height do the Reverse Frames extend? *Yes*  
Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *all built angle framing complete superstructure deck*  
Give particulars of the means for closing the openings in Bulkhead *aft 4-2 x 18-0*  
Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes*  
Has the Bridge House an efficient Bulkhead at the fore end? *Efficient temporary covers are provided for closing openings in the superstructure deck & are with eye plates & lashings*  
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?  
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? *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:—

Position and Size.		N°1 24-9 x 18-0		N°2 30-0 x 18-0		N°3 12-6 x 18-0		N°4 30-0 x 18-0		N°5 25-0 x 18-0		N°6 12-6 x 18-0	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	36"		36"		36"		36"		36"		36"	
	Sides	44"	Do	44"	Do	44"	Do	44"	Do	44"	Do	44"	Do
	Ends	44"		44"		44"		44"		44"		44"	
SHIFTING BEAMS OR WEE PLATES	Number	4		4		1		4		3		1	
	Section and Scantlings	16x.36 4x3x.44	Do	14x.32 4x3x.44	Do	14x.32 4x3x.44	Do	14x.32 4x3x.44	Do	14x.32 4x3x.44	Do	12x.32 4x3x.44	Do
	Material	Steel		Steel		Steel		Steel		Steel		Steel	
FORE AND AFTERS	Number												
	Section and Scantlings	nil		nil		nil		nil		nil		nil	
	Material												
HATCHES Thickness		2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Remarks		Good		Good		Good		Good		Good		Good	

\* 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.

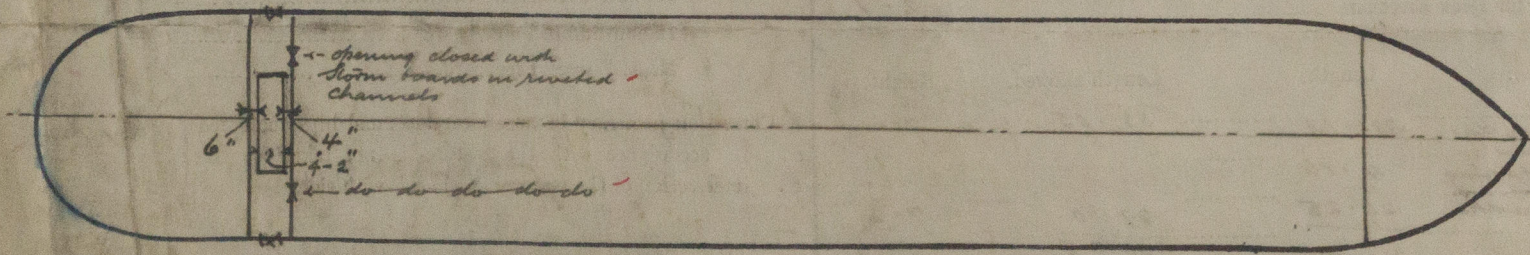
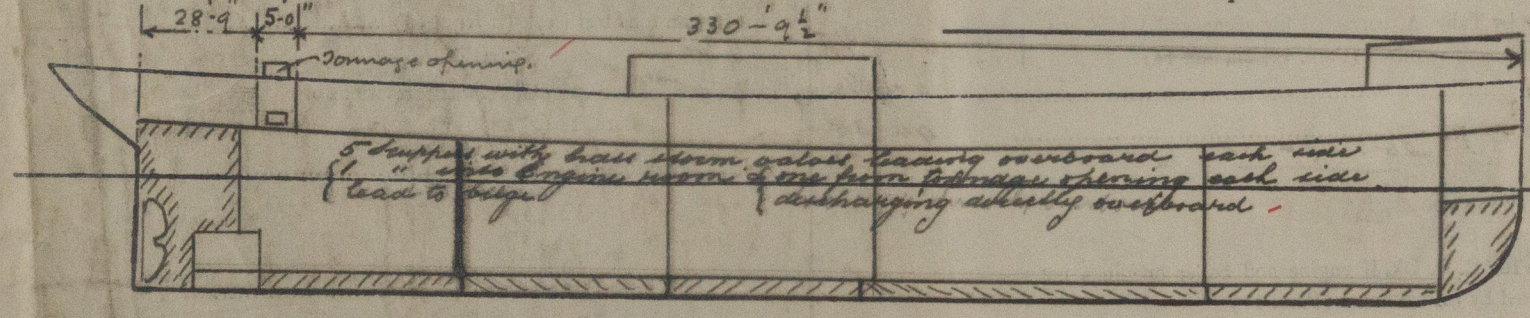
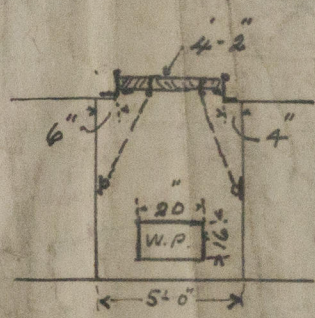
Ft. Tenths. Ft. Tenths. No.

Freeing Ports (each side of vessel) =

Sq. ft.

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 superstructure vessel with tonnage opening aft.*

Builder's name and yard number *Sir J. Priestman & Co N° 277*

Names of sister vessels *S.S. Furukia*

Owners *W. A. Massey & Sons Ltd*

Address *Hull*

*(Request form 9 is forwarded herewith)*

*The Builders state that at the load draught the displacement is 10500 tons & the tons per inch 38 1/4 tons*

Fee £ *9: 3: 4* Received by me *See T. Report.*

*Will be charged on completion.*

