

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

24 APR 1933  
Index No. 32328  
(For London Office only.)  
BDX. RPT. No. 4424

Computation of Freeboard for Steamer, Sailing Ship, Tanker

Having loop, bridge and fore-castle.

Port of Survey La Pallice  
(Bordeaux)

Date of Survey 20th April 1933.

Name of Surveyor Ernest Lennie

Particulars of Classification +100 A.1.

No. 5.

Ship's Name KERVEGAN, ex.  
APITAINE WINCKLER.  
Nationality and Port of Registry British  
Cardiff  
Nantes  
Official Number 167805  
Gross Tonnage 2018  
Date of Build 1922  
2 mo.

Moulded Dimensions: Length Breadth Depth  
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons  
Coefficient of fineness for use with Tables

### Depth for Freeboard (D)

Moulded depth ... ..

Upper plate ... ..

Working on exposed deck

$$T \left( \frac{L-S}{L} \right) =$$

Depth for Freeboard (D) =

### Depth correction

(a) Where D is greater than Table depth  
(D-Table depth) R =

(b) Where D is less than Table depth (if allowed)  
(Table depth-D) R =

If restricted by superstructures

### Round of Beam correction

Moulded Breadth (B)

$$\text{Standard Round of Beam} = \frac{B \times 12}{50} =$$

$$\text{Ship's Round of Beam} =$$

Difference

Restricted to

$$\text{Correction} = \frac{\text{Diff}^e}{4} \times \left( 1 - \frac{S_1}{L} \right) =$$

### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..					
" overhang ... ..					
" D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed ... ..					
" overhang aft ... ..					
" overhang forward ... ..					
Fore-castle enclosed ... ..					
" overhang ... ..					
Trunk aft ... ..					
" forward ... ..					
Tonnage opening aft ... ..					
" " forward ... ..					
Total ... ..					

Standard Height of Superstructure

" " R.Q.D.

Deduction for complete superstructure

$$\text{Percentage covered } \frac{S}{L} =$$

$$\frac{S_1}{L} =$$

$$\frac{E}{L} =$$

Percentage from Table, Line A.  
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.  
(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction =

### SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
P. ... ..		1				1	
L from A.P. ... ..		4				4	
L " ... ..		2				2	
Midships ... ..		4				4	
L from F.P. ... ..		2				2	
" ... ..		4				4	
" ... ..		1				1	
Total ... ..							

$$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$$

$$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} =$$

$$\frac{\text{Length of enclosed superstructure}}{L} \text{ forward of amidships} =$$

$$\text{" " aft of " " =}$$

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) =$$

If limited on account of midship superstructure.

If limited to maximum allowance of 1½ ins. per 100 ft.

Deduction for Tropical Freeboard.  
Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = Ft.

Summer freeboard =

Moulded draught (d) =

Deduction for Tropical freeboard and addition for freeboard =  $\frac{d}{4}$  inches =

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$$\Delta =$$

Tons per inch immersion at summer load water line

$$T =$$

$$\text{Deduction} = \frac{\Delta}{40T} \text{ inches}$$

$$=$$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction ... ..

Deduction for superstructures ... ..

Sheer correction ... ..

Round of Beam correction ... ..

Correction for Thickness of Deck amidships ... ..

Other corrections, scantlings, etc. ... ..

+	-

Summer Freeboard =

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc ... ..  
Fresh Water Line " " ... ..  
Tropical Line " " ... ..  
Winter Line below " " ... ..  
Winter North Atlantic Line " " ... ..

Tropical Fresh Water Freeboard ... ..  
Fresh Water " " ... ..  
Tropical " " ... ..  
Winter " " ... ..  
Winter North Atlantic " " ... ..

MARKING FORM 1906 freeboards

W9934-0166 1/2

12 JUN 1935

re-assigned

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# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

Description of Hatchway	HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10
Dimensions of Hatchway	30.7 x 17.8	34.2 x 18.1	26.24 x 20.9	30.9 x 20.9	25.8 x 21.3	25.8 x 21.3	25.8 x 21.3	25.8 x 21.3	25.8 x 21.3	25.8 x 21.3
COAMINGS	Height above Deck	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
	Thickness Sides	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	Stiffeners	12 x 3 x 5	12 x 3 x 5	12 x 3 x 5	12 x 3 x 5	12 x 3 x 5	12 x 3 x 5	12 x 3 x 5	12 x 3 x 5	12 x 3 x 5
	Brackets, Stays	6	7	5	7	5	7	5	7	5
HATCH BEAMS	Number	5	6	4	5	5	5	5	5	5
	Spacing	5.1	4.9	5.25	5.15	5.15	5.15	5.15	5.15	5.15
	Scantling and Sketch	11" steel plate 1/2" thick	11" steel plate 1/2" thick	11" steel plate 1/2" thick	11" steel plate 1/2" thick	11" steel plate 1/2" thick	11" steel plate 1/2" thick	11" steel plate 1/2" thick	11" steel plate 1/2" thick	11" steel plate 1/2" thick
	Bearing Surface	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"
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths									
	Scantling* and Sketch									
HATCH COVERS	Material	WP	WP	WP	WP	WP	WP	WP	WP	WP
	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"
	How fitted	3 x A	3 x A	3 x A	3 x A	3 x A	3 x A	3 x A	3 x A	3 x A
	Bearing Surface	2"	2"	2"	2"	2"	2"	2"	2"	2"
Spacing of Cleats	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"
Number of Tarpaulins	2	2	2	2	2	2	2	2	2	2

Particulars of fiddle, funnel and ventilator coamings:— Fiddle openings protected by hinged steel covers. Engine Room skylight of steel strongly constructed. Funnel coaming efficient. Two 24" staked ventilators and four 13 1/2" engine room ventilators in efficient condition. All the foregoing on Machinery casing top.

Particulars of Flush Bunker Scuttles:— None. 16" x 12" manholes to topside tanks with W.T. bolted steel covers. Four each side in each well deck.

Particulars of Companionways:— One in poop deck leading to accommodation spaces. Strongly constructed of steel with 2 1/2" x 4 1/2" teak door 13/8" thick in after end. Manipulated from both sides.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:— Forecastle deck one 11" diam x 24" coaming, one 16 1/2" x 20" two 3 1/2" stone funnels 4 1/2" coaming. Forewell deck two 16 1/2" held vents coaming one 3 1/4" above incline to side and other 25" above main platform. Bridge deck two 16 1/2" held vents coaming one 3 1/4" above main platform. After well deck three 16 1/2" held vents coaming one 3 1/4" above main platform. Poop deck two 16 1/2" held vents coaming one 3 1/4" above main platform. All in efficient condition and closed by wooden plugs and canvas covers.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— Forecastle deck one 2" diam to T.P. tank 2 1/2" high. Forewell deck one each side 1 1/2" diam 2 1/2" high to T.B. tanks. After well deck two each side 1 1/2" diam 2 1/2" high to T.B. tanks. Bridge deck two each side 1 1/2" diam 2 1/2" high to T.B. tanks. All closed by wooden plugs.

Particulars of Gangway Cargo and Coaling Ports:— None.

Particulars of Scuppers and Sanitary Discharge Pipes:— Forecastle one 4 1/2" sanitary discharge 5' below freeboard deck on side with storm valve. 1 1/2" open scupper branched to same. One 1 1/2" open scupper discharging 5' below freeboard deck on starboard side. One 1 1/2" open scupper from enclosed forecabin space discharging 18" below freeboard deck port & starboard. One 1 1/2" open scupper from wireless bed discharging 9' below freeboard deck. Bridge Two 1 1/2" open bath and sanitary discharges 12" x 3 1/2" below freeboard deck and starboard side with storm valves. 2" open scupper from enclosed bridge space discharging 9' below freeboard deck port & starboard. Sides of Side Scuttles: Forecastle 3 each side enclosed forecabin spaces and one each side forecabin spaces 9" diam. Sills 1 1/2" below freeboard deck. 5 foot side & 6 starboard side enclosed bridge space 10 1/2" diam sills 2 1/2" below bridge deck. 2 each side enclosed poop spaces 9" diam. Sill 1 1/2" below poop deck. All of efficient hinged pattern fitted with hinged deadlights.

Particulars of Guard Rails:— Forecastle deck 3 1/2" high 3 rows of rails. Stanchions spaced 4 1/2". Forewell deck steel bulwarks 4 1/2" high. Bulk head stanchions spaced 5 1/2". Poop deck steel bulwarks 3 1/2" high. Boat deck stanchions 6 1/2" apart. Forewell deck steel bulwarks 4 1/2" high. Bulk head stanchions spaced 5 1/2". Poop deck 3 1/2" high 3 rows of rails. Stanchions spaced 5 1/2".

Particulars of Freeing Arrangements.						
Well	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Well						
Well						

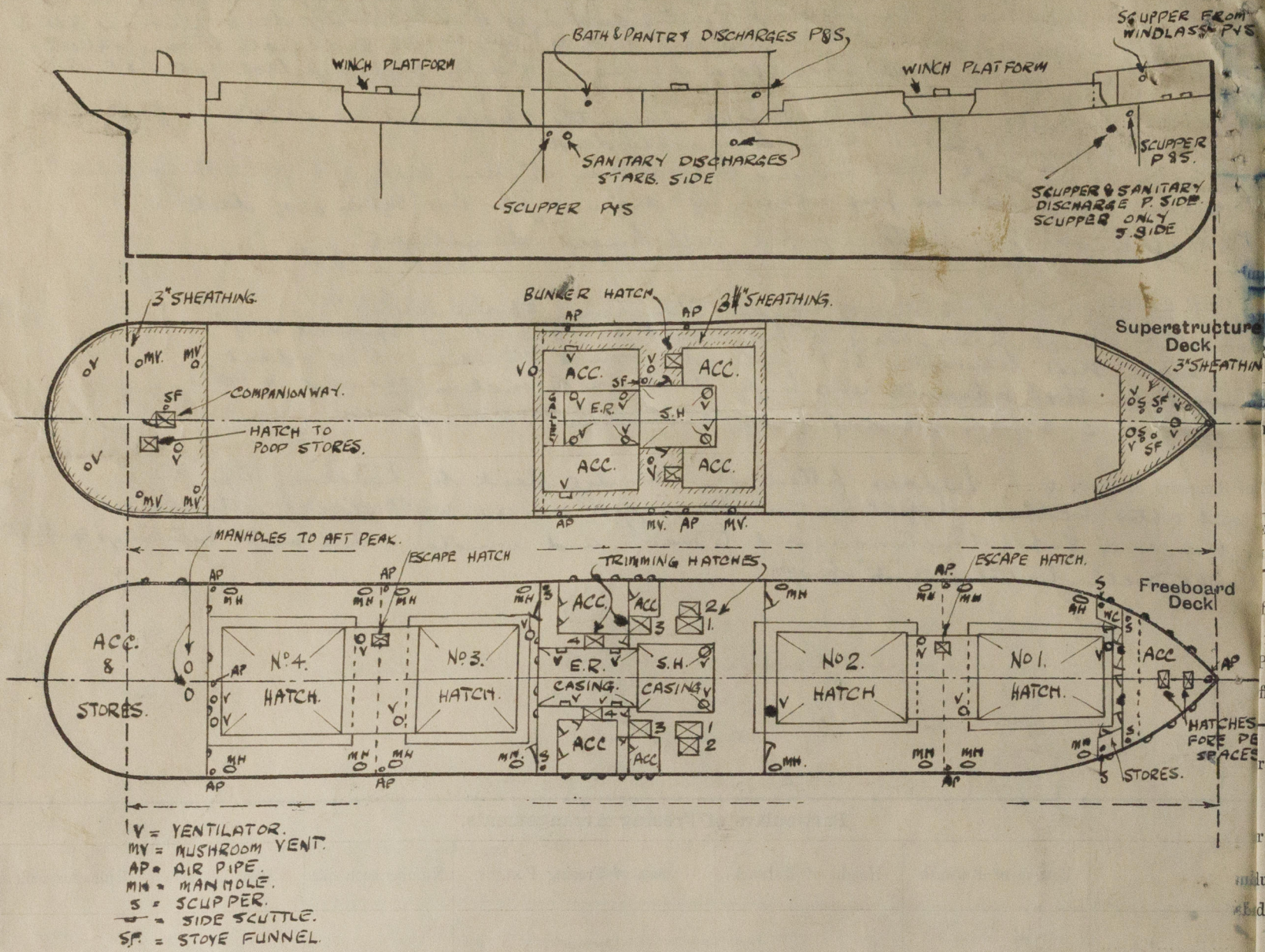
Position of each freeing port:— After Well:— A. position and height above deck edge. Whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—

Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Bulkhead						from 10" side scuttles	18" below freeboard	
Quarter Deck Bulkhead						2 doors 2 1/2 x 4 1/2	18"	
After Bulkhead						2 9 1/2" side scuttles 2 1/2"		
Forward Bulkhead						2 9" side scuttles 1 1/4"		
Side Bulkhead						two doors 3 1/4 x 5 1/2	18"	
Aft						4 doors 2 1/2 x 5 1/2	18"	
Forward						2 10" side scuttles 5 1/2"		
Machinery Casings on Freeboard or Raised Quarter Decks								
Machinery Casings on Superstructure Decks								
Casings within Superstructure not fitted with Class I Closing Appliances						2 staked doors 2 1/2 x 5 1/2	15"	
Casings on Flush Deck Ships								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Bulkhead	Two hinged side scuttles, no deadlights.
Quarter Deck Bulkhead	Two watertight hinged steel doors secured by 5 steel clamps manipulated from both sides. 4 hinged side scuttles no deadlights.
After Bulkhead	Two watertight hinged steel doors secured by 3 steel dogs and vertical strongbacks worked from outside only.
Forward Bulkhead	Two hinged wooden doors 1 1/2" thick manipulated from both sides.
Side Bulkhead	Two 10" hinged side scuttles, no deadlights.
Machinery Casings on Freeboard or Raised Quarter Decks	Two hinged steel doors in staked casing manipulated from outside only.
Machinery Casings on Superstructure Decks	
Casings within Superstructure not fitted with Class I Closing Appliances	
Casings on Flush Deck Ships	



Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



State any special features in the construction of the ship:—

*Self trimmer with topside tanks in way of well deck*

*Copy of Displacement Scale  
herewith (to be returned  
to Bdx. Office)*

*Survey held afloat and  
Confined to means for closing  
openings ~~and~~ decks and sides  
of ship.  
\* The Owners wish to retain  
existing freeboards (Modified  
Survey per Secretary's Letter F*

Builder's name and yard number *Soc. Anon. Anciens. Ch. Dubigeon. Nantes.*

Names of sister ships *Marie Louise type.*

Owners *Soc. Anon. des Chargeurs de l'Ouest.*

Fee £ *will be charged later* Received by me *[Signature]*

SPECIAL PARTICULARS RELATIVE TO THE GALLANT FORECASTLE AND THE TOP GALLANT CASTLE	
Ship's Name	KERVE
Number in Register Book	
Length	270.3
Beam	26.70
Depth	26.70
Efficient of fineness	
Modification necessary	
Efficient as corrected	
Stem	74.80
Sternpost	37.37
At front of	
At amidships	
At after end	
all in Sheer	
Para. 18 (d)	
with uncovered	
ALLOWANCE	
board, Table C	
rection for Length, if requ	
board by Table A, correct	
if required (Para. 11)	
erence	
centage as below	
rection for R. Q. Dk. if en	
covered by bridge house	
avance for Deck Erections	
Length	
castle	31.0
ge House	38.0
ised Qr. Dk.	
	20.0
Total	109.0
orth of Ship	26.70
responding percentage	
Para. 11, 12, 13, or 14	



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