

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, ~~Sailing Ship, Tug~~.

having

Port of Survey Cork.

(Type of Superstructures.)

Date of Survey 24th May and 6th June 1932.

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

S.S. "KENMAKE"British
Cork.14348716751921-11 moName of Surveyor William J. R. Lender.

Moulded Dimensions: Length

Breadth

Depth

Moulded displacement at moulded draught = 85 per cent. of moulded depth tons

Coefficient of fineness for use with Tables

Particulars of Classification 100.A1.
SHELTER DECK WITH FREEBOARD.Surveyed for oil fuel 11.21.32.

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth	(a) Where D is greater than Table depth (D - Table depth) R =	Moulded Breadth (B)
Stringer plate		Standard Round of Beam = $\frac{B \times 12}{50} =$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =	Ship's Round of Beam =
		Difference
Depth for Freeboard (D) =	If restricted by superstructures	Restricted to
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
Fore enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" forward					
Total					

Standard Height of Superstructure

" " R.Q.D.

Deduction for complete superstructure

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
A.P.		1				1	
$\frac{1}{6}L$ from A.P.		4				4	
$\frac{2}{6}L$ "		2				2	
Amidships		4				4	
$\frac{2}{6}L$ from F.P.		2				2	
$\frac{1}{6}L$ "		4				4	
F.P.		1				1	
Total							

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

If limited on account of midship superstructures

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck

Summer freeboard

Moulded draught (d) =

Deduction for Tropical freeboard and addition for

Winter 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 =

Deduction = $\frac{\Delta}{40 T}$ 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	...

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Lloyd's Register

MARKING FORM

RECEIVED 22 JUL

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway		SHELTER DECK HATCHWAYS.							
Dimensions of Hatchway		No. 1.	2.	3.					
COAMINGS	Height above Deck								
	Thickness								
	Sides								
	Ends								
HATCH BEAMS	Stiffeners								
	Brackets, Stays								
	Number								
	Spacing								
FORE AND AFTERS	Scantling and Sketch								
	Bearing Surface								
	Number								
	Spacing								
HATCH COVERS	Unsupported Lengths								
	Scantling and Sketch								
	Bearing Surface								
	Material								
Thickness									
How fitted									
Bearing Surface									
Spacing of Cleats									
Number of Tarpaulins		3	3	3					

*Are wood fore and afters steel shod at all bearing surfaces?
 Are battens and wedges efficient and in good condition?
 Are tarpaulins in good condition and in accordance with rule requirements? *yes.*
 Are lashings provided in accordance with rule requirements?

Particulars of fiddle, funnel and ventilator coamings:—

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways:—

Lock of door on shelter deck companionway forward now renewed.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

Particulars of Gangway Cargo and Coaling Ports:—

Particulars of Scuppers and Sanitary Discharge Pipes

Particulars of Side Scuttles:—

Particulars of Guard Rails:—

Particulars of Gangways, Lifelines, etc.:—

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well						
Forward Well						

State position of each freeing port (F. and A. position and height above deck edge)
 State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—
 After Well:—
 Forward Well:—
 Additional area where sheer is less than standard.

Particulars of Superstructures, Trunks, Casings, Deckhouses.

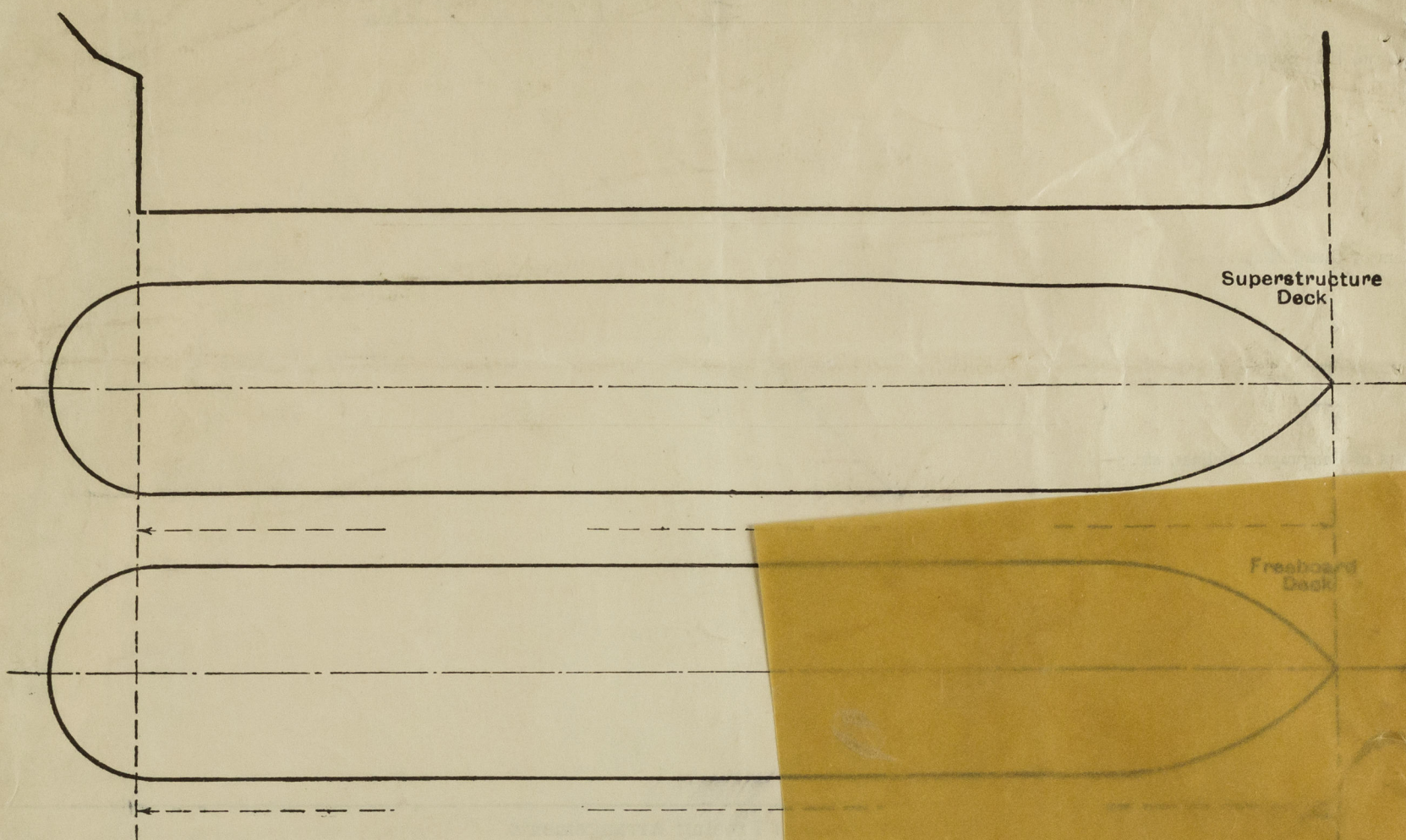
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead								
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead	
Raised Quarter Deck Bulkhead	
Bridge, After Bulkhead	
Bridge, Forward Bulkhead	
Forecastle Bulkhead	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	
Exposed Machinery Casings on Superstructure Decks	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Deckhouses on Flush Deck Ships	

Denmark

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard, deck, gangway, cargo and 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:—

Detailed items of requirements as recorded on page 2 of this Report were examined while vessel lay afloat at Cork, and the survey was confined to these items. No other survey was held at this time.

Builder's name and yard number *Arbrossan D.D. Co, Ltd.*

Names of sister ships

Owners *City of Cork Steam Packet Co, Ltd. Cork.*

Fee £ *5* : : _____

Received by me _____

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23-7-32



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