

Cloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

Copy of press-copy of Gothenburg Report.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having _____

(Type of Superstructures.) _____

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
M.V. JOSIAH MACY.				

Moulded Dimensions: Length 128.0 m. Breadth 17.37 m. Depth 9.60 m.
Moulded displacement at moulded draught = 85 per cent. of moulded depth 15120 met. tons
Coefficient of fineness for use with Tables 813

Port of Survey Gothenburg.
Date of Survey _____
Name of Surveyor (Sgs) Geo. Webster.
Particulars of Classification _____

Depth for Freeboard (D) 9.60

TELEPHONE _____
LONDON WALL _____
(10) _____

ed depth
Ringer plate
Sheathing 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) 17.37
Standard Round of Beam = $\frac{B \times 12}{50} = 34.7$
Ship's Round of Beam = 35.6
Difference _____
Restricted to _____
Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____

Recd. at _____

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	29.79		2.44		
„ overhang					
R.Q.D. enclosed					
„ overhang					
Bridge enclosed... ..	10.37		2.57		
„ overhang aft	1.05				
„ overhang forward	1.05				
„ overhang	11.28		2.44		
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		1.588		1	
1/4 L from A.P.		4		.610		4	
2/4 L „		2		.127		2	
Amidships		4		-		4	
3/4 L from F.P.		2		.343		2	
1/4 L „		4		1.447		4	
F.P.		1		3.302		1	
Total							

Mean actual sheer aft = _____
Mean standard sheer aft = _____
Mean actual sheer forward = _____
Mean standard sheer forward = _____
Length of enclosed superstructure forward of amidships = _____
„ „ aft of „ = _____

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 1 1/2 ins. per 100 ft.

Correction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.	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 = _____
Depth to Freeboard Deck = _____ Ft. 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) = _____		

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

Tropical Fresh Water Line above Centre of Disc	Tropical Fresh Water Freeboard
Fresh Water Line „ „	Fresh Water „ „
Tropical Line „ „	Tropical „ „
Winter Line below „ „	Winter „ „
Winter North Atlantic Line „ „	Winter North Atlantic „ „

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway	To dry cargo hold (forward)	To pump room (forward)	To two forward compartments	OT. hatchway, heavy tank	OT. hatchway, summer tank				
Dimensions of Hatchway	8700 x 4650	0-830 x 0-730	0-620 x 4in.	1820 x 1220	1820 x 1220				
COAMINGS	Height above Deck	630 mm	800 mm	800	730				
	Thickness Sides	11	10	10					
	Stiffeners	12	10	10					
	Brackets, Stays	None	None	None					
HATCH BEAMS	Number	1							
	Spacing	1350							
	Scantling and Sketch	300 x 9	None	None					
	Bearing Surface	170							
FORE AND AFTERS	Number	None	None	None					
	Spacing	None	None	None					
	Unsupported Lengths	None	None	None					
	Scantling and Sketch	None	None	None					
HATCH COVERS	Material	Pine	Steel	Steel	Steel				
	Thickness	75	W.T. cover	W.T. cover	OT. cover				
	How fitted	F.A.	W.T. cover	W.T. cover	OT. cover				
	Bearing Surface	4 in.							
Spacing of Cleats	590 x 650								
Number of Tarpaulins	2								

*Are wood fore and afters steel shod at all bearing surfaces? No fore and afters.
 Are battens and wedges efficient and in good condition? Yes, in dry cargo hold hatchway.
 Are tarpaulins in good condition and in accordance with rule requirements? In good condition on dry cargo hold hatchway.
 Are lashings provided in accordance with rule requirements? Yes, on dry cargo hold hatchway.

Particulars of fiddle, funnel and ventilator coamings:—
 Fiddle hatch on casing top 3210 x 0.860 P.S. with 65 x 65 x 7 angle coaming. Plate cover 5 mps.
 Vent. W. fiddle coaming 1250 x 0.610 dia. x 10 mps. P.S.

Particulars of Flush Bunker Scuttles:— None.

Particulars of Companionways:— One on poop to accommodation spaces fitted with W.T. door, 3400 x 511.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—
 On fore 12 940 x 450 385 A paint room
 On bridge: Mushroom vent. 1 on p.s. + 3 on s.s. 300 x 200 to acc.
 On poop: 12 900 x 450 x 10 P.S. 42.5.
 12 710 x 590 x 10 P. 42.5.
 On upper deck 12 850 x 450 x 9 p.s. A forward dry cargo hold.
 12 900 x 300 p.s. Both forward cofferdams.
 12 900 x 300 x 7 s forward pump room.
 12 1325 x 610 p.s. Amidship pump room.
 12 x 570 p.s. (derrick port)

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—
 On fore 2 goose-necks 500 high (no covers) A forward deep tank of goose-necks 400 high (no covers) to fore peak.
 On poop: All air pipes 610 up to 710 up high (no covers). Covers to be fitted on all air pipes.
 On upper deck: 2 air pipes 2.200 high (no covers) p.s. to F. bunker.

Particulars of Gangway Cargo and Coaling Ports:— None.

Particulars of Scuppers and Sanitary Discharge Pipes

Upper deck scuppers all discharge over side except one p.s. near poop front which discharges through ship's side just below deck.
 Engineer's bath room W.C. discharge through ship's side just above 2nd deck and are fitted with stem valve.
 Officer's bath W.C. + crew's wash place W.C. in way of bridge discharge through ship's side above summer tank deck (stated to have stem valves) verify.

Particulars of Side Scuttles:

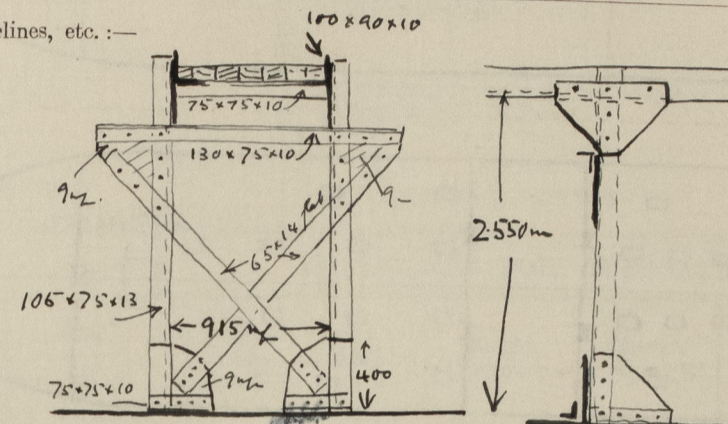
no sidelights below upper deck.

Particulars of Guard Rails:—

Bulwarks: no guard rails.

Particulars of Gangways, Lifelines, etc.:—

Gangway in both wells.



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	48.20 m	1.060 m	990 x 400 oval	7	2.87 (metre) ²	
Forward Well	28.83 m		Rule C	4	1.64	

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

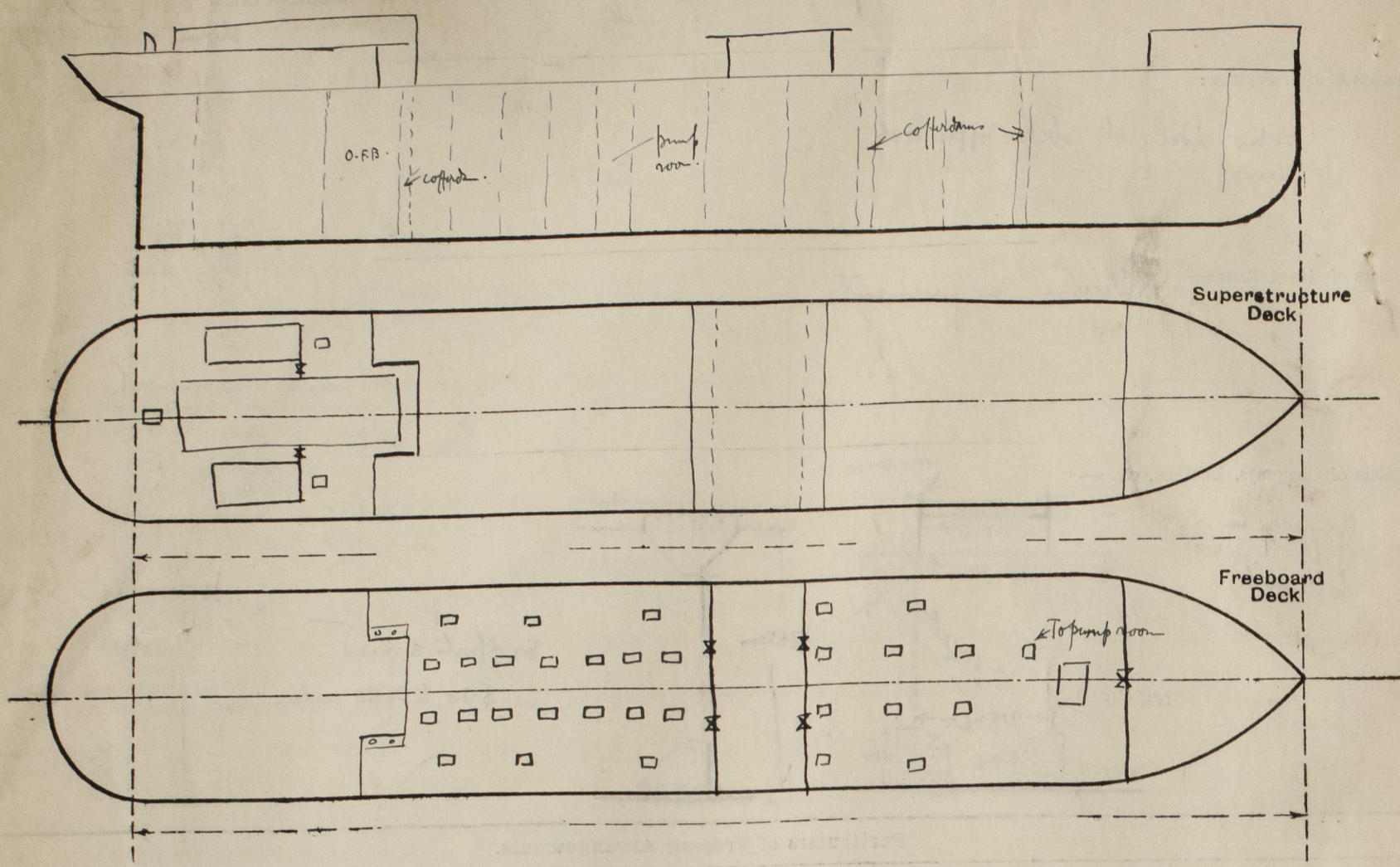
Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	440 x 12	12	255 x 10 x 85 x 12 E	Vert. stiff. 810	bracket T.B. 7R.	None		
Raised Quarter Deck Bulkhead	1200 x 11	11	180 x 95 x 70 x 25 E	710	Coaming stiff. 4R.	None		
Bridge, After Bulkhead	440 x 11	10	2 long. stiff. 90 x 90 x 12 angle.	Vert. stiff. 810	bracket T.B. 4R.	1 each side 1545 x 690.	440	
Bridge, Forward Bulkhead	450 x 11	11	2 long. stiff. 2 web. 180 x 85 x 11.5 angle.	710	bracket T.B. 4R.	1 each side 1545 x 690.	450	
Forecastle Bulkhead	450 x 10	9	2 long. stiff. 2 web. 90 x 90 x 12 angle.	740 85 x 10	bracket T.B. 4R.	1 1545 x 690.	450	
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks	Trans. 1380 x 10	10	180 x 95 x 70 x 12.5 E	Vert. stiff. 710	bracket T.B. 4R.	None in trans.	400	2.520
Machinery Casings within Superstructures not fitted with Class I Closing Appliances				hoyle 800	bracket 6R.	12 1610 x 610 p.s.		
Deckhouses on Flush Deck Ships	290 x 12	10	90 x 75 x 12	Vert. 1000	None	1530 x 690	510	2.530

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

Poop Bulkhead	No openings
Raised Quarter Deck Bulkhead	
Bridge, After Bulkhead	2 W.T. doors capable of being manipulated from both sides.
Bridge, Forward Bulkhead	" " " " " " " "
Forecastle Bulkhead	1 W.T. door
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	
Exposed Machinery Casings on Superstructure Decks	1 " " on each side
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Deckhouses on Flush Deck Ships	1 " " each entrance

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:—

Builder's name and yard number

Names of sister ships

Owners

Fee ~~£~~ Kr. 309.40

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