

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

 Index No. **30919**  
 (For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker					Port of Survey <u>London</u>	
having <u>Poop, Bridge &amp; Forecastle</u>					Date of Survey <u>18<sup>th</sup> Dec 1931</u>	
(Type of Superstructures.)						
Ship's Name <b>SÖBORG</b> <i>how named</i>		Nationality and Port of Registry <u>Danish Copenhagen</u>	Official Number <u>1992</u>	Gross Tonnage <u>1924</u>	Date of Build <u>1924</u>	
Moulded Dimensions: Length		Breadth	Depth			
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons						
Coefficient of fineness for use with Tables _____						
					Name of Surveyor <u>Edw. Turing</u>	
					Particulars of Classification <u>+100 A1.</u>	

<b>Depth for Freeboard (D)</b> Moulded depth ... .. Stringer plate ... .. Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$ Depth for Freeboard (D) = _____	<b>Depth correction</b> (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 _____	<b>Round of Beam correction</b> Moulded Breadth (B) _____ Standard Round of Beam = $\frac{B \times 12}{50} =$ _____ Ship's Round of Beam _____ Difference _____ Restricted to _____ Correction = $\frac{\text{Diff}^e}{4} \times \left( 1 - \frac{S_1}{L} \right) =$ _____
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### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..					
"  overhang ... ..					
R.Q.D. enclosed ... ..					
"  overhang ... ..					
Bridge enclosed ... ..					
"  overhang aft ... ..					
"  overhang forward ... ..					
F'cle 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 ... ..									

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  $1\frac{1}{2}$  ins. per 100 ft.

<b>Deduction for Tropical Freeboard.</b> <b>Addition for Winter and Winter North Atlantic Freeboard.</b> 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) = _____	<b>Deduction for Fresh Water.</b> Displacement in salt water at summer load water line $\Delta =$ _____ Tons per inch immersion at summer load water line $T =$ _____ Deduction = $\frac{\Delta}{40T}$ inches = _____	<b>TABULAR FREEBOARD corrected for Flush Deck (if required)</b> Correction for coefficient _____ <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th>+</th> <th>-</th> </tr> </thead> <tbody> <tr><td>Depth Correction ... ..</td><td></td><td></td></tr> <tr><td>Deduction for superstructures ... ..</td><td></td><td></td></tr> <tr><td>Sheer correction ... ..</td><td></td><td></td></tr> <tr><td>Round of Beam correction ... ..</td><td></td><td></td></tr> <tr><td>Correction for Thickness of Deck amidships ... ..</td><td></td><td></td></tr> <tr><td>Other corrections, scantlings, etc. ... ..</td><td></td><td></td></tr> </tbody> </table> Summer Freeboard = _____		+	-	Depth Correction ... ..			Deduction for superstructures ... ..			Sheer correction ... ..			Round of Beam correction ... ..			Correction for Thickness of Deck amidships ... ..			Other corrections, scantlings, etc. ... ..		
	+	-																					
Depth Correction ... ..																							
Deduction for superstructures ... ..																							
Sheer correction ... ..																							
Round of Beam correction ... ..																							
Correction for Thickness of Deck amidships ... ..																							
Other corrections, scantlings, etc. ... ..																							

### 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	...	...	...	...	...	...	...	...	...
Dimensions of Hatchway	...	...	...	...	...	...	...	...	...
COAMINGS	Height above Deck	...	...	...	...	...	...	...	...
	Thickness	...	...	...	...	...	...	...	...
	Sides	...	...	...	...	...	...	...	...
	Ends	...	...	...	...	...	...	...	...
HATCH BEAMS	Number	...	...	...	...	...	...	...	...
	Spacing	...	...	...	...	...	...	...	...
	Scantling and Sketch	...	...	...	...	...	...	...	...
	Bearing Surface	...	...	...	...	...	...	...	...
FORE AND AFTERS	Number	...	...	...	...	...	...	...	...
	Spacing	...	...	...	...	...	...	...	...
	Unsupported Lengths	...	...	...	...	...	...	...	...
	Scantling and Sketch	...	...	...	...	...	...	...	...
HATCH COVERS	Material	...	...	...	...	...	...	...	...
	Thickness	...	...	...	...	...	...	...	...
	How fitted	...	...	...	...	...	...	...	...
	Bearing Surface	...	...	...	...	...	...	...	...
Spacing of Cleats									
Number of Tarpaulins									

\*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?  
 Are lashings provided in accordance with rule requirements?

Particulars of fiddle, funnel and ventilator coamings:—

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways:—

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

*For particulars of air pipes see Orlo Rpt N° 30919  
 No provision is made for closing air pipes.*

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.:—

*No permanent gangways are fitted connecting Poop, Bridge & Forecastle.  
 It is stated by master that when timber deck cargo is carried, the side uprights  
 are carried above cargo and lifelines attached. also that temporary  
 gangways are constructed on top of deck cargo and fitted with lifelines*

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 ... { 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.

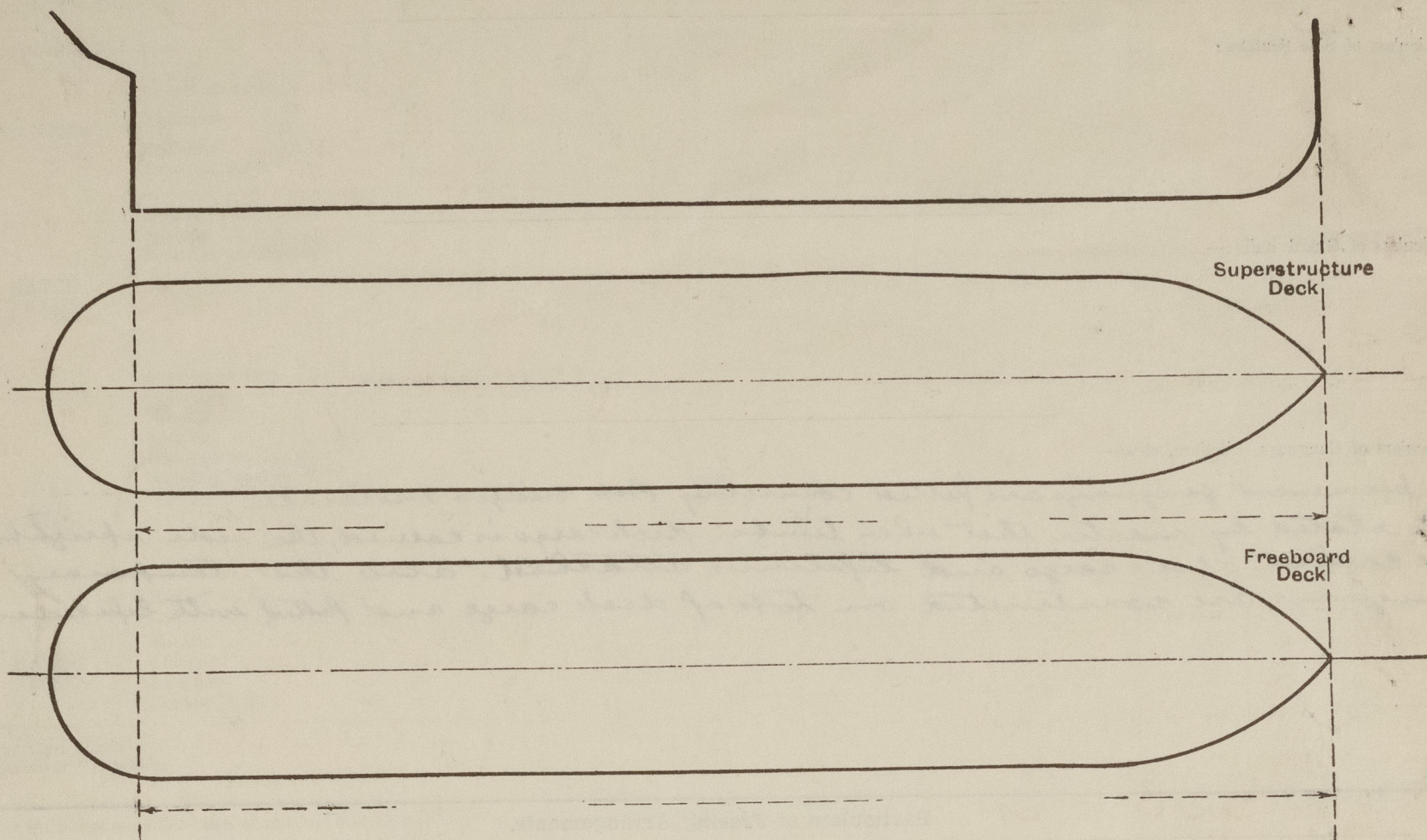
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	21" x 40"	.34	5 1/2 x 3" x 40 BA	2'-6"	LUGS T&B	40 1/2" x 10" flat Port, No deadlight	5'-3"	7'-4"
Raised Quarter Deck Bulkhead	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead	✓	.25	3 x 2 1/2" x 25 A	2'-3"	FREE T&B	2 @ 5'-0" x 3'-1"	21"	7'-1"
Bridge, Forward Bulkhead	✓	✓	3 1/2 x 1 x 20	✓	✓	✓	✓	✓
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	17" x 40"	.25	3 x 5 x 30 A	2'-0"	TO DECK TOP, FREE BOTTOM	none	✓	✓
Deckhouses on Flush Deck Ships	✓	✓	✓	✓	✓	✓	✓	✓

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

Poop Bulkhead	Bronze frame port lights manipulated from inside only
Raised Quarter Deck Bulkhead	2 1/2" x 10" x 10" 3/16"
Bridge, After Bulkhead	2" Weather boards in riveted channels full height
Bridge, Forward Bulkhead	Port side: Hinged steel door with hook bolts, in door in way opening in bulkhead. Bolt gripping stiffener inside & with wing nuts outside.
Forecastle Bulkhead	Starboard side: Hinged steel door with studs in bulkhead & dog clamps. - the above doors secured from outside only.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	No openings in machinery casing inside, bridge space on freeboard deck.
Exposed Machinery Casings on Superstructure Decks	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Deckhouses on Flush Deck Ships	



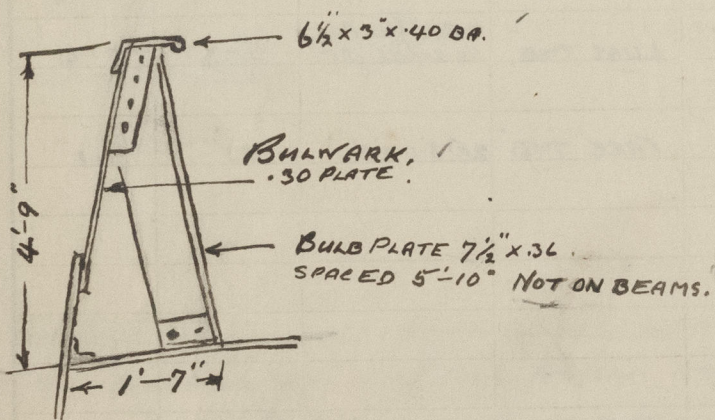
Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



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

No permanent fittings are provided for securing lashings or uprights for timber deck cargo. It is stated that when timber deck cargo are carried uprights are secured to bulwark stanchions and thwartship lashings made at about half height and over tops of cargo. Steering gear is housed on poop and operated by telemotor control. Hand steering gear is housed in same house as steam gear.

Double bottom ballast tanks Nos 3, 4 & 5 have W.T. division on centre line. Total length of divided DB tanks is from frame No 32 to frame No 74. (30% of length).



Builder's name and yard number

Names of sister ships

Owners

Fee £

Received by me

9:7:0  
11:15:3

% to be retained from  
for on receipt of advice  
from date as to date

Rec'd 22/12  
to date



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