

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT

10/8/46

~~BOOKED~~

MOON

F 5/5

SURVEY FOR FREEBOARD

TRAVIATA

~~KEENES~~

WITH TIMBER DECK CARGO

WITHOUT VERFT 1/5

STEAMER, TANKER, SAILER?

Nationality

SWEDISH

NORWEGIAN

Builders' Name and No. of Ship

AALBORG

No 81.

Port of Registry

STOCKHOLM

NARMO

OSLO

PANAMA

Official Number

Owners

A/B. SOYA

Gross Tonnage

2827.81 2830

Date of Build

1946

Port and Date of survey

AALBORG. AUGUST 1946

Name of Surveyor

5000 & HANSA PROGRAM.

Names of Sister Ships

Particulars of Classification

Type of Superstructures

SHELTERDECK.

Trade of Ship

UNLIMITED.

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)				Corresponding Freeboard	
TROPICAL FRESH WATER LINE above centre of disc	10 3/4	270mm		1'-2 1/4	360mm
FRESH WATER LINE	5 1/2	140mm		0'-8 1/2	90mm
TROPICAL LINE	5 1/4	130mm		0'-8 1/4	220mm
WINTER LINE below	5 1/4	130mm		0'-9"	230mm
WINTER NORTH ATLANTIC LINE				1'-7 1/2	490mm

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

TROPICAL FRESH WATER Timber line above L.S.

FRESH WATER	"	"	"	"
TROPICAL	"	"	"	"
WINTER	"	"	below	"
WINTER NORTH ATLANTIC	"	"	"	"

Corresponding Freeboard

Number of years recommended for load line certificate

Provisional Certificate

Date of Issue 18/46

Date of Expiry

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft

on the 4TH SEPTEMBER, 1946.



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Lloyd's Register
Foundation

004257-004262-0004 19

COMPUTATION OF FREEBOARD

Length on summer load line 101.75 m Moulded Breadth 15.50 m Moulded Depth 6.65 m Depth of Keel 18.5 m
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 6500 m^3 Tons
 Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times 85} = 7296$
 Displacement and tons per inch immersion in salt water at summer load line 7460 t & 106 kg 13.5 t/cm
 Moulded depth 6.650 m Deduction for Fresh Water $\frac{\Delta}{40T} = 14\text{ m}$ inches
 Stringer Plate 0.010 m Round of Beam Correction
 Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$ Ships Round of Beam $\left\{ \begin{array}{l} \text{in 2' deck } 0\text{ m} \\ \text{in upper deck } 310\text{ mm} \end{array} \right.$ inches
 Rise of floor (in sailers) Standard Round of Beam 50 310
 Depth for Freeboard (D) 6.660 m Difference 310
 Table Depth $4/16$ 6.781 Restricted to
 Depth Correction $833 \times 13.96 \times 121$ Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right) = 77.5 \times 0.0067$
 If restricted by superstructures $= 26.9\text{ m}$ OFF $= \text{NIL}$

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	5.40	13	2.60	5.53	-	5.46
Raised Quarter Deck						
Bridge	94.82	13	2.6	94.95		94.92
Forecastle						
Trunk Aft						
Forward						
Tonnage Opening Aft	1235			1235		67
Forward						
Totals				101.715		101.05

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
514 A.P.	1117	1101	1631	1	1631
228 L from A.P.	481	489	409	4	2836
57 L from A.P.	32	122	89	2	178
Amidships	0	0	-	4	-
57 L from F.P.	145	245	202	2	404
228 L	966	979	1194	4	4776
514 F.P.	2190	2203	2704	1	2704
				18	12529

Effective Mean Sheer = 696.06
 Standard " " $05L+5$ = 550.60
 Difference 145.46

TABULAR FREEBOARD corrected for flush deck if required = 1321
 Correction for co-efficient = $14096/136 = 1369$

	+	-		Sailor, Tanker, Steamer	Timber
Depth correction		25.9			
Deduction for superstructures		947.3			
Sheer correction		36.4			
Round of Beam correction					
Correction for thickness of deck amidships					
Other corrections, scantlings, etc.					
Summer Freeboard in inches		1009.6	1010		
Additional allowance for superstructures on Timber carrying ships		36.0	35.9		
Summer Timber Freeboard in inches					

DRAUGHTS AND SEASONAL CORRECTIONS

	Sailor, Tanker, Steamer	Timber
Depth to Freeboard Deck in feet	6.66	
Summer Freeboard in feet	36	
Moulded Draught (d)	6.30	(d1)
Addition for Keel	0.02	
Extreme draught	20.9	6.32
Deduction for Tropical and addition for Winter freeboard $d/4$	13	
Addition for Winter North Atlantic (if required)		
Deduction for Tropical Timber Freeboard $d/1$		
Addition for Winter " $d/1$		
" " N.A. Timber Freeboard (if required)		

Form I.L. 4.D.

 THE BRITISH CORPORATION REGISTER OF
 SHIPPING AND AIRCRAFT
 SURVEY FOR FREEBOARD
 CONDITIONS OF ASSIGNMENT
SHIPS NAME *S/S TRAVIATA*

OFFICIAL NUMBER

Nationality and Port of Registry *SWEDISH**STOCKHOLM*

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
R.Q.D. "								
Bridge Aft Bulkhead (SHELTERD)		65.6 mm	100.7	750	no br. ts.	4.980-3300	0	
Forward "								
Forecastle Bulkhead		7 mm	80.65	650	no br. ts.	1.980-1290	450	
Trunk, Aft								
Forward								
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks								
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances		Eng casing 7 mm	35.75	750	no br. ts.			
Deckhouses on flush deck ships		6.5 mm	180.8	750		1.550-700	800	deck to deck.

PARTICULARS OF CLOSING APPLIANCES (state if capable of being manipulated from both sides)

Poop Bulkhead	No opening
R.Q.D. "	
Bridge Aft Bulkhead (SHELTERD)	7.5 mm steel plates attached to bulkhead with keeps.
Forward "	
Forecastle Bulkhead	No hinged steel door to 6 th deck.
Exposed Machinery Casings on Freeboard or R.Q. decks	
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	
Deck houses on Flush Deck ships	

PARTICULARS OF FREEING ARRANGEMENTS

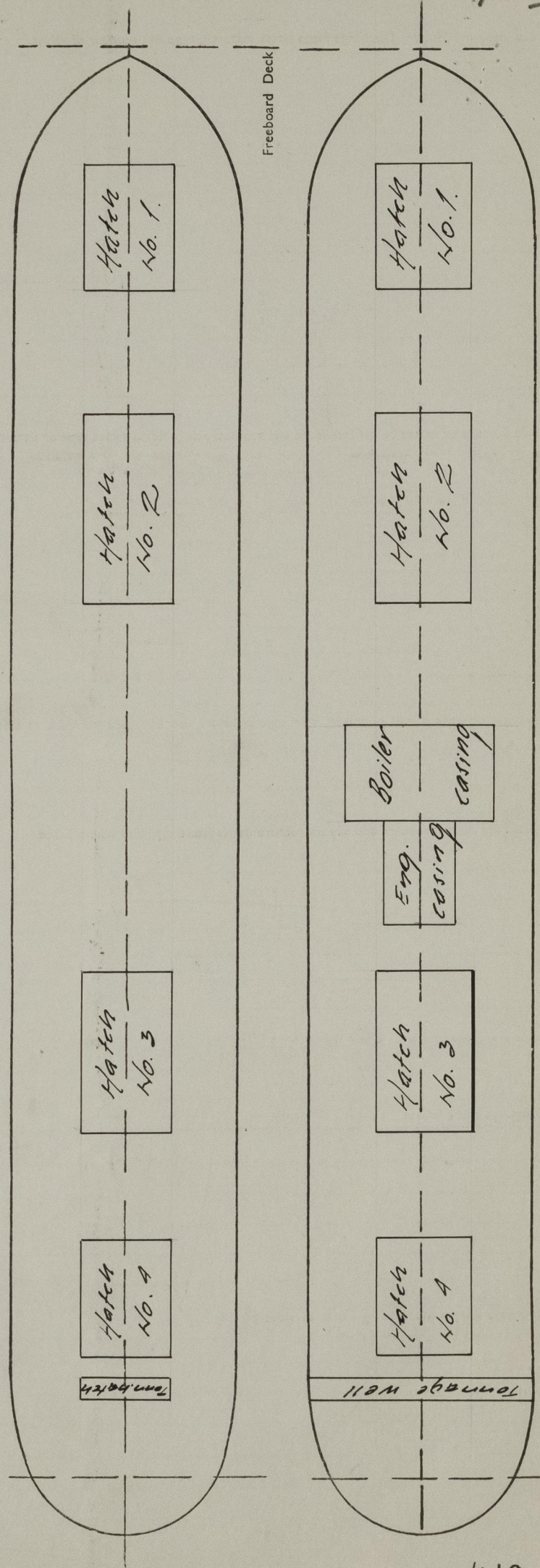
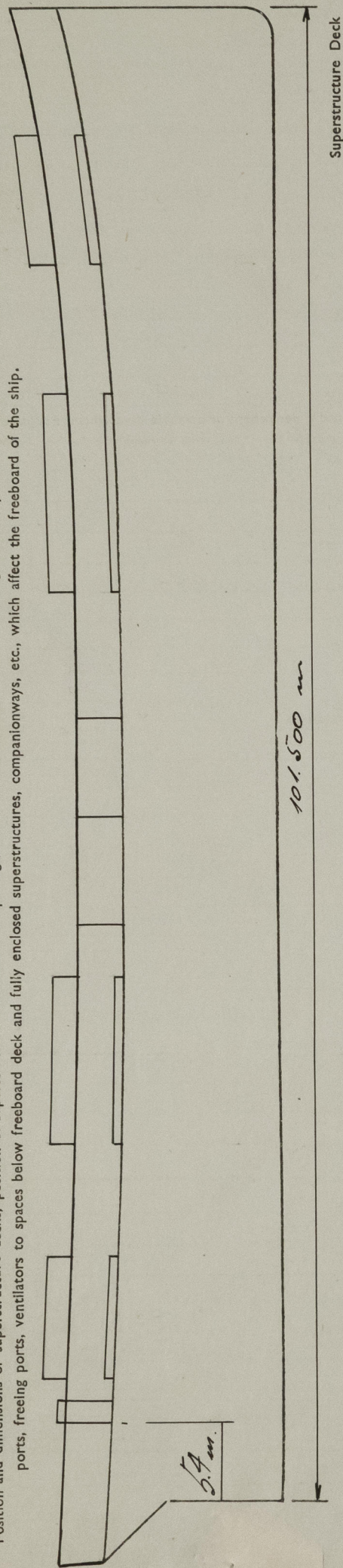
	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
Tonnage After Well			Appr. Valves to be operated from Sup ^{str} deck.		
Forward Well					
State fore and aft position and height above deck to bottom of port, for each port		After Well			
		Forward Well			
State whether freeing ports are fitted with shutters, bars or rails, and give particulars			None		
Give particulars of freeing port area, etc., on superstructure decks			For'd 201 dm ² each side (by rule 199 dm ²) Aft'd 190 dm ² each side (by rule 199 dm ²)		

The Firecoard Report has been compared with the
approved plans and found in order.

519

22 June 1950

Position and dimensions of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionways, etc., which affect the freeboard of the ship.



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	Dimensions of Hatchway		cargohatch cargo hatch		cargohatch cargo hatch		cargohatch cargo hatch		cargohatch cargo hatch	
	No.1	Superdeck	No.2	Superdeck	No.3	Superdeck	No.4	Superdeck	No.5	Superdeck
COAMINGS	Height { steel above wood	deck								
	Thickness { sides ends									
HATCH BEAMS	Stiffeners									
	Brackets or Stays									
FORE AND AFTERS	Number									
	Spacing									
HATCH COVERS	Scantling and Sketch									
	Bearing Surface and thickness of carriers or sockets									
FORE AND AFTERS	Number									
	Spacing									
HATCH COVERS	Ununsupported lengths									
	Scantling and Sketch									
FORE AND AFTERS	Bearing Surface and thickness of carriers or sockets									
	Material									
HATCH COVERS	Thickness									
	How Fitted									
FORE AND AFTERS	Bearing Surface									
	Spacing of Cleats									
HATCH COVERS	Number of Tarpaulins									

Are wood fore and afters steel shod at all bearing surfaces?

Are battens and wedges efficient and in good condition?

are transcribing in good condition and in accordance with rule requirements?

Are lockups provided in accordance with rule requirements?

Yes

5/5. ALA.

Give full particulars of the following:—
Fiddle, Funnel and Vent Coamings, Engine Room skylight and other openings in Machinery Casing tops and their means of closing (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

No fiddle.
Height of Funnel and Vent. Coamings = 2450 mm ord. vent. covers
Engine Room skylight = 305 mm hinged steel covers.

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)

None

Companionways on freeboard and superstructure decks (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)

Steel. Height of sills = 450 mm. Hinged wood doors to be closed and secured from both sides.

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

Height of steel coamings = 915 mm. Welded to deck. Ordinarily ventilator covers.

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

457 mm. satisfactory closing arrangements are provided.

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves)

Material: steel.
Type: Non returnable
Number of: 6.

Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

12 of 14" double bull eyes, in accommodation aft, with permanent deadlights.

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

No scuttles below R'deck.

Guard Rails on freeboard and superstructure decks (state type and where fitted)

None

Gangways and Lifelines

None

Gangway, Cargo and Coaling Ports in sides of ship

None

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

Yes

Is provision made for protection of steering gear?

Yes

Is emergency steering gear provided?

Yes

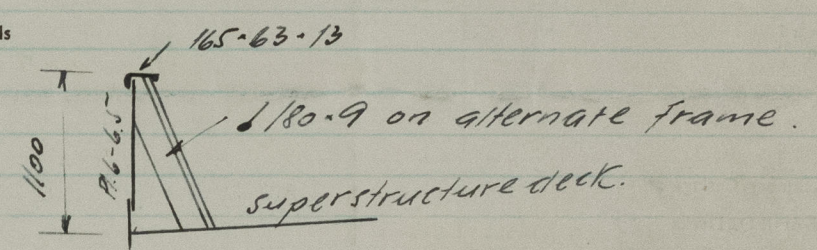
Are efficient sockets and eyes for lashings provided and properly spaced?

Yes

State particulars of longitudinal subdivision in double bottom

w.t. center keel from 5 m aft'd of 1/2 L amidships to 3.5 m for'd of 1/2 L.

State particulars of Bulwarks and Rails



Particulars of any Special Features in the construction of the Ship

None

Endorsement at first survey and at surveys for Renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown in the form and are in good condition