

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

COPY WRITTEN.

PART

PARTICULARS IN RESPECT OF ^{MOTOR}~~STEAM~~ SHIPS HAVING ~~SPAR OR~~
AWNING DECKS.

Port of Survey GOTHENBURG

Date of Survey 29-10-23

Name of Surveyor H.T. & J.H.K.

messrs. Gotaverken's. № 361

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
" NUOLJA "	STOCKHOLM			1923	+100A.1. "Shelter deck" (Completed)
Number in Register Book 40213	SWEDISH				

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
	418.82	55.17	33.62	6423.16.
Length on LOADLINE	405'-0"	Frame Depth 13'-4" Rule " 7'-0" 6'-4"	Ceiling fitted Sheer + 59'- Level Tank	Peak Tanks 3 Incl. Built angle bottom framed aft - 136.4
CORRECTED DIMENSIONS.	405.0	54.43	34.21	6286.76

Moulded Depth as measured 29'-0" Main Deck.
 " " " 37'-6" *Shelter* Deck.

$$\begin{array}{r} 37-6 \\ 1-2 \\ \hline 38-8 \\ 5-0 \\ \hline 33-7 \end{array}$$

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness835 Block length = 32 depth = .79
Any modification necessary }
[Para. 4 (a) to (e)*] } -.035 C.D.B. (.60" deep).
Co-efficient as corrected80 to Shelter sk.
 lay .78 to main sk.

Allowance for strength in excess of Lloyd's rules = Table A limit

State particulars—

Deep half angle framing
strengthened topsides
2 complete stud decks.

Depth of keel $1\frac{3}{4}$ "

CORRECTION FOR LENGTH :—

Length of Ship on Load Line.....	405
Length in Table	348
Difference.....	57
Correction for 10ft.....	7
× Difference ÷ 10 =	3.99
	+ 4"

Height of "Tween Decks..... 8'-6"
(From top of beam to top of beam at side)
Correction for Height of "Tween Decks in Spar-decked Ships.....

Freeboard Table A C		4'-0"
Correction for Length.....	+	<u>4</u>
		4'-4"
Correction for Height of 'Tween Decks in Spar-decked Ships		<u>8'-6</u>
		12'-10"

Correction for Strength in excess of Lloyd's rules. Table A hint $-2 - 10\frac{1}{2}$
 $9 - 11\frac{1}{2}$

Correction for Iron Deck if required..... $-3\frac{1}{4}$
Other Corrections (if any)..... $9-8\frac{1}{4}$

Other Corrections (if any).....

Winter Freeboard.....	9-8 $\frac{1}{4}$
Summer Freeboard.....	9-1 $\frac{3}{4}$
Indian Summer Freeboard.....	8-7 $\frac{1}{4}$
N. A. Winter Freeboard.....	✓

Correction necessary because clearside amidships measured
in accordance with the Statute is not taken at inter-
section of the ~~wood~~ steel deck with side

Winter Freeboard from Deck Line	9'-10"
Summer " " "	9-3½
Indian Summer " "	8-9
Net Winter	

~~N. A. Winter~~ " " "
~~Steel Stalk~~
Wood (Iron) Deck :— 9-3½"

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, *Wood (Iron)* Deck: *Paul Kelly*

Fresh Water Line		above centre of Disc	9' 5 1/2"
Indian Summer Line	" "	" " ... ..	...	...	...	...	...	...	...	7'
Winter Line	below	" " ... ..	...	...	...	...	...	...	...	6 1/2'
Winter North Atlantic Line	" "	" " ... ..	...	...	...	...	...	...	...	6 1/2'

NOTE.—All vessels equal in strength to Lloyd's Spar-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for Ships of full scantlings to the upper deck, are to be considered as Spar-decked Ships, the freeboard for which will vary with their strength.
All vessels equal in strength to Lloyd's Awning-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for a Spar-decked Vessel, are to be considered as Awning-decked Ships, the freeboard for which will vary with their strength.

* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

2m. 11. 19. T

MARKING FORM
RECEIVED

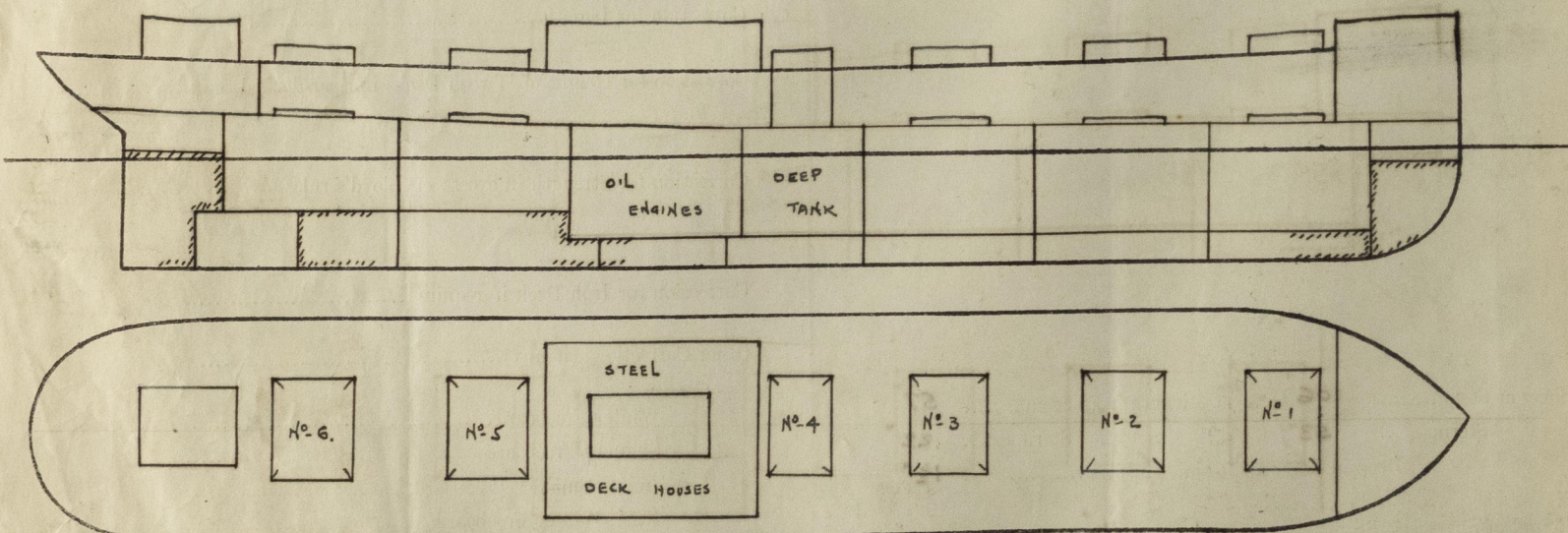
FORM 1 - JAN 1924

Do all the Frames extend to the top Height in the Spar deck? ☒
 Do all the Frames extend to the top height in the Poop? ☒
 To what height do the Reverse Frames extend? *Bulk angle frames*
 Has the Poop an efficient Iron Bulkhead at the fore end? ☒
 Give particulars of the means for closing the openings in Bulkhead ☒
 Is the Poop connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end? ☒
 Give particulars of the means for closing the openings in Bulkhead ☒
 What is the thickness of the Bridge Front plating? ☒ and Coaming plate? ☒
 Give scantlings and spacing of the Stiffeners ☒
 Are bracket plates fitted at each end of the Stiffeners? ☒ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? ☒
 Has the Bridge House an efficient Iron Bulkhead at the after end? ☒
 How are the openings closed? ☒
 Is the Forecastle at least as high as the main or top-gallant rail? ☒ Has the Forecastle an efficient Iron ~~or Wood~~ Bulk'd. at after end? ☒
 Are the Engine and Boiler openings covered by a Bridge, Poop, ☒ enclosed by a Strong ~~Iron~~ Steel Deckhouse? ☒
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? ☒
 Give thickness of plating; scantlings and spacing of Stiffeners ☒
 What is the height of the exposed Casings? ☒ Are suitable means provided for closing all openings in them in bad weather? ☒
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below: *see particulars below.*

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	32"		32"					
Thickness	4 1/4		4 1/4					
SHIFTER BEAMS OR WEB PLATES	Number 4 Section and Scantlings 550 x 9.5 Material steel		Special steel					
* FORE AND AFTERS	Number none Section and Scantlings none Material none		none					
HATCHES Thickness	3"		none					
Remarks								

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, etc., &c.

State any special features in the construction of the Vessel *Upper deck parallel to stater deck from A.P. to midships, parallel to hull from midships to frame N° 128 and sheer at stem 45°.*
Please see preliminary notebook assignments 14-7-22 & 27-11-22.
There are no side lights or other similar openings below the upper deck.
Suffled pipes are fitted from upper deck bridges.
No cargo battens are fitted. Ceilings on 2" grommets. Ceiling doubled under hatches.
The Registered Dimensions and under deck tonnages will be forwarded shortly.

Owners TRAFIKAKTIEB. GRÄNGESBERG - OXELÖSUND.

Address STOCKHOLM.

Fee & Kr 218.40

Received by me *See J.C. Rpt.*

Rpt. 11b.

on Completion **Lloyd's Register of Shipping.** SURVEYS FOR FREEBOARD.-STEAM SHIPS.

Index No. **30597**
 (For London Office only.)

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey
 Date of Survey **19.12.23.**
 Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<i>Husja</i>					
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	418.82	55.17	33.62	6423.16
Length on LOADLINE.	Frame Depth Rule	Ceiling Sheer	Peak Tanks	
CORRECTED DIMENSIONS.	405			

Moulded Depth as measured **37'-6"**
Wood deck less str. **3/4**
 Addition for Keel below base line **37'-2 3/4"**
 for draught record.....inches.

NOTE. — If the depth is measured when vessel is afloat, the details of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... **405.0**
 Length in Table **446.75**
 Difference **41.75**
 Correction for 10ft., Table A. **1.7** Table C.
 × Difference divided by 10 **7.09** (if required.)
 If 1/10ths length covered divide by 2 **-7"**

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered
 Thickness of usual wood deck, less stringer *added in mould. depth*

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **55.0**
 Round of Beam **14.0**
 Normal round..... **13.75**
 Difference **.25** ÷ 2 = **.125**
 Proportion of Deck uncovered (Para. 19) **-1/4"**

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

Co-efficient of fineness.....
 Any modification necessary [Para. 4 (a) to (e)]*
 Co-efficient as corrected **.80**

Sheer {Stem..... **106**
 at {Sternpost ... **53** } **159** ÷ 2 = **79.5** ...Mean

Sheer at 1/2 of the length from {Stem **57**
 Sternpost **22** } **79** ÷ 2 = **39.5** ...Mean
 Gradual mean Sheer **71.81**
 Standard mean Sheer [Table, Para. 18] **50.50**
 Difference..... **21.31** ÷ 4 = **5.33**
 § If limited as Para. 18 (f) **-5 1/4"**

Rise in Sheer { At front of bridge house.....
 from amidships { At after end of forecastle
 [Para. 18 (e)]

¶ Fall in Sheer
 Para. 18 (d) } **1 1/2** ÷ 2 = **3/4**
 Length uncovered
 Correction **+3/4"**

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....
 Correction for Length, if required (Para. 12, 13, and 14)
 Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) }
 Difference
 Percentage as below.....

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
 Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....			
Bridge House			
† Raised Qr. Dk.			
Poop.....			
Total			
Length of Ship			
Corresponding percentage { (Para. 11, 12, 13, or 14) }			

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck:—

Fresh Water Line	above centre of Disc	...
Indian Summer Line	" " "	...
Winter Line	below " "	...
Winter North Atlantic Line	" " "	...

Winter Freeboard **9-8 1/4**
 Summer Freeboard **9-1 3/4**
 Indian Summer Freeboard **8-7 1/4**
 N. A. Winter Freeboard
 Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ steel deck with side. **1 3/4**

Winter Freeboard from deck line **9-10"**
 Summer " " " **9-3 1/2**
 Indian Summer " " " **8-9**
 N. A. Winter " " "

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
 ‡ In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
 § In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

Jan. 9, 22. T.

† State dimensions of freeing port area on back of this form.
 ‡ The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's trim at time of survey, and also the usual load draft forward and aft, should be reported.

003223-003232-0029