

002320-002329-0117

No. 8845

KOMM. KOLL. FARTYGSINSPEKTÖREN

BYRÅN

29 JUN. 1932

23849

Rpt. C.11.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

17 JUN 1932

Till D.N. 95194 ex. No.

(For London Office only.)

 having Goop Trunk Bridge and Forecastle
Port of Survey Göteborg

(Type of Superstructures.)

Date of Survey 4th June 1932

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

S/S JOHAN SARINESwedish
Uddevalla562913681914
9 mo.Name of Surveyor L. TherngrenMoulded Dimensions: Length 234.9 ✓ Breadth 37'-6" ✓ Depth 18'-7" ✓Moulded displacement at moulded draught = 85 per cent. of moulded depth 3089 tonsCoefficient of fineness for use with Tables .777Particulars of Classification * 100.A.1.SS GOT 181 31.
205-327

Depth for Freeboard (D)				
Moulded depth	...	...	...	<u>18.53</u>
Stringer plate	...	...	...	<u>.04</u>
Sheathing on exposed deck				
$T \left(\frac{L-S}{L} \right) =$				
Depth for Freeboard (D) =				
<u>18.62</u>				

Depth correction	
(a) Where D is greater than Table depth	
(D-Table depth) R =	
<u>(18.62-15.66) 1806 = +5.35.</u>	
(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)	<u>37.5</u>
Standard Round of Beam = $\frac{B \times 12}{50}$	<u>= 9.0</u>
Ship's Round of Beam	<u>= 9.5</u>
Difference	<u>.5</u>
Restricted to	
Correction = $\frac{\text{Diff.}}{4} \times \left(1 - \frac{S_1}{L} \right)$	<u>= $\frac{.5}{4} \left(1 - \frac{15.66}{234.9} \right) = .07$</u>

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	<u>17.92</u>	<u>17.92</u>	<u>7'-0"</u>		<u>17.92</u>
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed...	<u>57.25</u>	<u>51.53</u>			<u>51.53</u>
" overhang aft ...	<u>6.33</u>	<u>4.75</u>			<u>4.75</u>
" overhang forward	<u>3.25</u>	<u>.12</u>	<u>7'-0"</u>		<u>.12</u>
Trunk enclosed ...	<u>25.33</u>	<u>25.33</u>	<u>7'-0"</u>		<u>25.33</u>
" overhang ...	<u>4.67</u>	<u>.33</u>	<u>7'-0"</u>		<u>.33</u>
Trunk aft ...	<u>4.67</u>		<u>3'-0"</u>		
" forward ...	<u>5.33</u>		<u>3'-0"</u>		
Tonnage opening aft ...					
" " forward					
Total ...	<u>107.75</u>	<u>99.98</u>			<u>99.98</u>

Standard Height of Superstructure	<u>6.00</u>
" " R.Q.D.	
Deduction for complete superstructure	<u>29.49</u>
Percentage covered $\frac{S}{L} =$	<u>45.87</u>
" " $\frac{S_1}{L} =$	<u>42.57</u>
" " $\frac{E}{L} =$	<u>42.57</u>
Percentage from Table, Line A.	
(corrected for absence of forecastle (if required))	
Percentage from Table, Line B.	<u>29.68</u>
(corrected for absence of forecastle (if required))	
Interpolation for bridge less than 2L (if required) ✓	
Deduction =	<u>8.75</u>

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
P. ...	<u>33.49</u>	1		<u>33.49</u>	<u>37"</u>	<u>37.0</u>	1		<u>37.00</u>
from A.P. ...	<u>14.90</u>	4		<u>59.60</u>	<u>15"</u>	<u>15.0</u>	4		<u>60.04</u>
" ...	<u>3.68</u>	2		<u>7.36</u>	<u>3 1/2"</u>	<u>3.75</u>	2		<u>7.50</u>
amidships ...		4			<u>0"</u>		4		
from F.P. ...	<u>7.37</u>	2		<u>14.74</u>	<u>7"</u>	<u>7.31</u>	2		<u>14.62</u>
" ...	<u>29.81</u>	4		<u>119.24</u>	<u>29"</u>	<u>29.23</u>	4		<u>116.92</u>
" ...	<u>66.98</u>	1		<u>66.98</u>	<u>72"</u>	<u>72.0</u>	1		<u>72.00</u>
Total ...				<u>301.41</u>					<u>308.08</u>

Correction = $\frac{\text{Difference between sums of products}}{18} \left(75 - \frac{S}{2L} \right) =$

If limited on account of midship superstructure. ✓

 $\frac{301.41}{18} \left(75 - \frac{2293}{234.9} \right) = .19$

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.Depth to Freeboard Deck = 18.62Summer freeboard = 2.32Moulded draught (d) = 16.30

Addition for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 4.07Addition for Winter North Atlantic Freeboard (if required) = 2.

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 = $\frac{\Delta}{40 T}$ inches15' 16' 17' Mld depth2908 3149 3357 tons17.5 17.61 17.75 tons

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

 $\frac{.777 + .68}{1.36} = .857$ 29.3831.48

Depth Correction ...

Deduction for superstructures ...

Sheer correction ...

Round of Beam correction ...

Correction for Thickness of Deck amidships ...

Other corrections, scantlings, etc. ...

	+	-
Depth Correction	<u>5.35</u>	
Deduction for superstructures		<u>8.75</u>
Sheer correction		<u>.19</u>
Round of Beam correction		<u>.07</u>
Correction for Thickness of Deck amidships		
Other corrections, scantlings, etc.		
	<u>5.35</u>	<u>9.01</u>

Summer Freeboard = 27.82SUMMER 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 " " ...

MARKING FORM

RECEIVED

21 JUL 1932

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Lloyd's Register

Foundation

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway	...	...	No. 1.	No. 2.	No. 3.	No. 4.	POOP DECK		To Bunkers.
							To hold	To store	
Dimensions of Hatchway	...	...	19'2" x 13'11 1/2"	21'7" x 13'11 1/2"	23'2" x 13'11 1/2"	21'7" x 13'11 1/2"	5'11" x 12'1"	19'2" x 9'	1'10" x 4'0"
COAMINGS	{	Height above Deck	18" ABOVE TRUNK.				25"	24"	10"
		Thicknes { Sides	.44"				34"	36"	36"
		Thicknes { Ends	.44"				34"	36"	36"
		Stiffeners	...				...	...	...
		Brackets, Stays	...				...	...	...
HATCH BEAMS	{	Number	3	3	4	3			
		Spacing	4'-9 1/2"	5'-3"	4'-8"	5'-3"			
		Scantling and Sketch	16" x 3 1/4"		21" x 3 1/4"				
		Bearing Surface	3" x 3" x 40 L						
			3"						
FORE AND AFTERS	{	Number							
		Spacing							
		Unsupported Lengths							
		Scantling* and Sketch							
		Bearing Surface							
HATCH COVERS	{	Material	Wood				Wood	Steel	Wood
		Thickness	3"				2 1/2"	3/4"	2 1/2"
		How fitted	fore and aft				for 2 aft	Hinged	thwartship.
		Bearing Surface	3"				2"	4" I.	2"
Spacing of Cleats	...	...	23"				27"		28"
Number of Tarpaulins	...	...	3				3		2
*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:— On top of a 7'-0" high casing, fiddle with hinged steel covers. Funnel and ventilator in good condition strongly constructed and supported. Hatch to saddle back 4'-0" x 12'-6" with 12" high coaming 2 1/2" wood covers, bearing surface 2", spacing of cleats 24" 2 tarpaulins.

Particulars of Flush Bunker Scuttles:—

None

Particulars of Companionways:— One on fore-castle deck of steel L=3'-0" B=2'-6" H=5'-0" with hinged steel door operated from both sides and 12" high sill.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:— 1 @ 12" diam 3 @ 14" diam 2 @ 9" diam All vent 36" high or above, high vent. efficiently supported. All vent. fitted with steel covers and canvas covers.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— 1 @ 3" diam steel pipe goose neck 20" high 8 @ 2" " " " " " 42" " All air pipes fitted with canvas covers.

Particulars of Gangway Cargo and Coaling Ports:—

None

Particulars of Scuppers and Sanitary Discharge Pipes —

Sanitary discharge pipes led overboard above freeboard deck and fitted with non return valve at ship sides.

Particulars of Side Scuttles:









Side scuttles in crew space provided with hinged deadlights.

Particulars of Guard Rails:—

Guard rails on deck and poop 3'-2" high with 4 rods and stanchions spaced 5'-2" apart.
3'-11" high bulwark in fore and after well strongly constructed and supported.

Particulars of Gangways, Lifelines, etc.:—

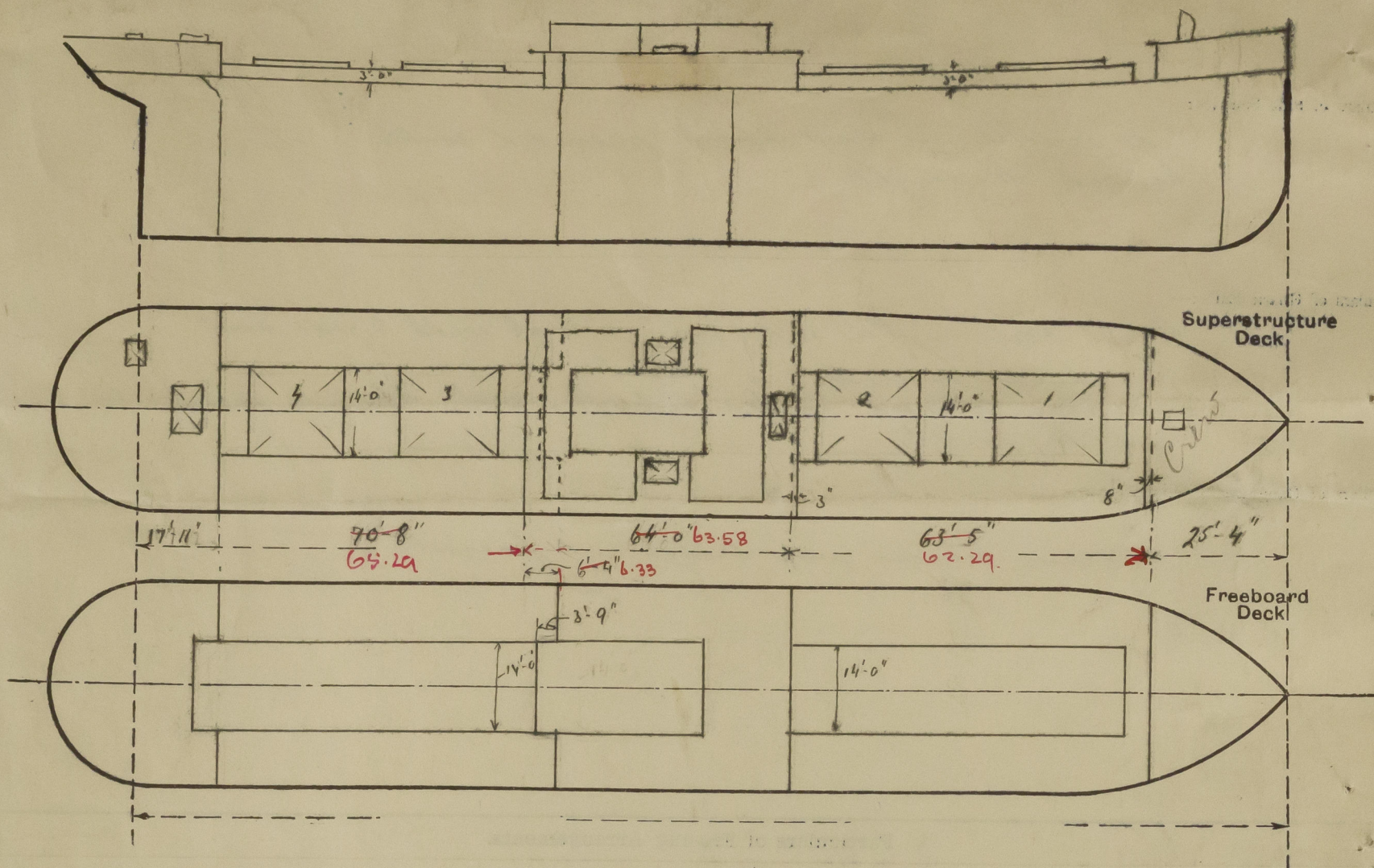
Lifelines between poop bridge and forecastle.

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	64'-0"	3'-11"	3'-0" x 1'-5"	3		
Forward Well	63'-0"	3'-11"	3'-0" x 1'-5"	3		
* 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	None	.32	5" x 3" x .48	28"	None	None	"	7'-0"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead	None		Good inside bridge.					
Bridge, Forward Bulkhead	15" x .40		"			3'-9" x 2'-9"	15"	7'-0"
Forecastle Bulkhead	None	.28	Wood lining			5'-0" x 1'-11"	15"	7'-0"
Trunk, Aft	None	.44	5" x 3" x .48	23"	None top to beam bottom	None	"	3'-0"
Trunk, Forward	"	.44	5" x 3" x .48	23"	"	"	"	3'-0"
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks	15" x .38	.28	3" x 3" x .36	39"	None	4'-8" x 1'-9"	17"	7'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	None	.28	3" x 3" x .36	39"	None	None	"	7'-0"
Deckhouses on Flush Deck Ships ...								

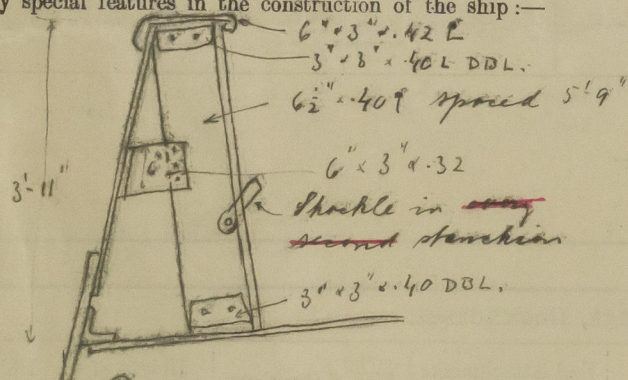
Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead	No opening
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead	Portable plates secured by hook bolts, passing through the plate only and spaced 9'-12" apart.
Bridge, Forward Bulkhead	
Forecastle Bulkhead	Hinged steel door operated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	
Exposed Machinery Casings on Superstructure Decks	Hinged steel door operated from both sides.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	No opening.
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:—



This vessel has been examined in dry dock and the condition examined in general.

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



Timber deck cargo.

Prop fitted at after end

Blk. bottom tank of 2 and 4 have W.T. centre keelson.

Fittings for Uprights spaced about 11'-0" apart.

Hackle for laskings ~~in every second~~ Bulwark Stanchion.

Spare steering gear on poop.

Builder's name and yard number

A B Lockhams Neth York Apphich.

Names of sister ships

3/5 Osbur 5/5 Oswin

Owners

Artich. J. M. Laune

Fee ~~of~~ fr. 170:-

Received by me