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EXT ANT 30/5/32.

Index No. 25 MAR 1929 (For London Office only.) 33118.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. STEAM SHIPS.

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 Rotterdam
Date of Survey Building
Name of Surveyor L. Vuyk

Ship's Name. S. "JOSEPHINE CHARLOTTE"	Port of Registry and Nationality. <u>Antwerp Belgian</u>	Official Number.	Gross Tonnage. <u>not yet measured</u>	Date of Build. <u>1928/29</u>	Particulars of Classification. 100 A1 - contemplated.
Number in Register Book					

Registered dimensions from ship's Register.	LENGTH. <u>339.96</u>	BREADTH. <u>48.58</u> <i>British Method 48.74</i>	DEPTH. <u>23.04</u>	UNDER DECK TONNAGE. <u>2952.06</u>
Length on LOADLINE.	<u>340' 0"</u>	Frame Depth <u>7 3/4</u> Rule " <u>5 1/2</u> <i>astern plan 2 1/4</i>	Ceiling fitted Sheer + <u>.61</u>	Peak Tanks } <i>included.</i>
CORRECTED DIMENSIONS.	<u>340.0</u>	<u>48.37</u>	<u>23.96</u>	<u>2949.06</u>

Moulded Depth as measured.....	<u>25' 7"</u>	NOTE. - If the depth is measured when vessel is afloat, the details of measurement should be reported.
Addition for Keel below base line for draught record... <u>1.25</u> ...inches.		
CORRECTION FOR LENGTH.		
Length of Ship on Loadline.....	<u>340.0</u>	
Length in Table	<u>307.0</u>	
Difference	<u>33.0</u>	
Correction for 10ft., Table A.	<u>1.316</u>	Table C. <u>.7</u>
× Difference divided by 10	<u>4.34</u>	(if required.) <u>2.31</u>
If 1/10ths length covered divide by 2	<u>+ 4 1/4"</u>	<u>+ 2 1/4"</u>

Co-efficient of fineness.....	<u>.749</u>
Any modification necessary [Para. 4 (a) to (e)]*	<u>C.D.B</u>
Co-efficient as corrected	<u>.73</u>

CORRECTION FOR IRON DECK.	
Proportion covered, if less than 1/10ths length covered	<u>.528</u>
Thickness of usual wood deck, less stringer	<u>3 1/2"</u> <u>- 1 3/4"</u>

Sheer { Stem..... <u>84"</u> at { Sternpost ... <u>48"</u>	$132 \div 2 = 66.0$ Mean
Sheer at 1/8 of the length from { Stem <u>46 1/4"</u> Sternpost <u>16 3/8"</u>	$72.62 \div 2 = 36.31$ Mean $\div .55 = 66.0$
Gradual mean Sheer	
Standard mean Sheer [Table, Para. 18]	<u>66.0</u> Correction
Difference.....	<u>44.0</u> $\div 4 = 5.5$
§ If limited as Para. 18 (f)	<u>22.0</u> <u>- 5 1/2"</u>

CORRECTION FOR ROUND OF BEAM.		NOTE. - The round of beam should be reported on the full breadth of vessel at the gunwale.
Breadth at Gunwale amidships.....	<u>48' 6"</u>	
Round of Beam	<u>12 1/4</u> over <u>48' 6"</u> beam.	
Normal round.....	<u>12 1/4</u>	
Difference	$\div 2 =$	
Proportion of Deck uncovered (Para. 19)		

Rise in Sheer from amidships [Para. 18 (e)]	At front of bridge house.....	<u>10"</u>
	At after end of forecastle	<u>50"</u>
Fall in Sheer Para. 18 (d)	$\div 2 =$	
Length uncovered	Correction	

Freeboard, Table A	<u>5' 7 3/4</u>
Correction for Sheer	<u>- 5 1/2</u>
Correction for Length	<u>5' 2 1/4</u>
Allowance for Deck Erections	<u>+ 4 1/4</u>
Correction for Round of Beam.....	<u>5' 6 1/2</u>
Correction for fall in Sheer (if any).....	<u>- 10 3/4</u>
Correction for Steel Deck (if required)	<u>4' 6"</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any)	

ALLOWANCE FOR DECK ERECTIONS :-		
Freeboard, Table C.....	<u>2' 8 1/2</u>	
Correction for Length, if required (Para. 12, 13, and 14)	<u>+ 2 1/4</u>	
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14)	<u>5' 6 1/2</u>	
Difference	<u>2' 4 3/4</u>	
Percentage as below.....	<u>34.24%</u>	
	<u>10.87</u>	

Winter Freeboard	<u>4' 6"</u>
Summer Freeboard	<u>4' 1 3/4</u>
Indian Summer Freeboard	<u>3' 9 1/2</u>
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.	<u>+ 1 3/4"</u>
Winter Freeboard from deck line	<u>4' 7 3/4</u>
Summer " " "	<u>4' 3 1/2</u>
Indian Summer " " "	<u>3' 11 1/4</u>
N. A. Winter " " "	
Wood (Steel) Deck :-	<u>4' 3 1/2</u>
Fresh Water Line above centre of Disc	<u>5 1/2"</u>
Indian Summer Line " " "	<u>4 1/2"</u>
Winter Line below " " "	<u>4"</u>
Winter North Atlantic Line " " "	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)			
Allowance for Deck Erections	<u>- 10 3/4</u>		
Length.	Length allowed.	Height.	
Forecastle.....	<u>37.5' 4.5.40..</u>	<u>39.05</u>	<u>8.0</u>
Bridge House	<u>105.75'</u>	<u>105.75</u>	<u>8.0</u>
† Raised Qr. Dk.....			
Poop.....	<u>34.75'</u>	<u>34.75</u>	<u>8.0</u>
Total	<u>179.55</u>	<u>= 528</u>	
Length of Ship	<u>340.0</u>		
Corresponding percentage (Para. 11, 12, 13, or 14)	<u>34.24%</u>		

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 from deck line	<u>4' 7 3/4</u>
Summer " " "	<u>4' 3 1/2</u>
Indian Summer " " "	<u>3' 11 1/4</u>
N. A. Winter " " "	
Wood (Steel) Deck :-	<u>4' 3 1/2</u>
Fresh Water Line	<u>5 1/2"</u>
Indian Summer Line	<u>4 1/2"</u>
Winter Line	<u>4"</u>
Winter North Atlantic Line	

† 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 sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.

† 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 draft at time of survey, and also the usual load draft forward and aft should be reported.

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Do all the Frames extend to the top height in the Poop? *alternately* Raised Quarter Deck? Bridge House? *alternately* Forecastle? *Yes*

To what height do the Reverse Frames extend? *All bulwangle framing*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *steel hinged doors*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *steel hinged doors*

What is the thickness of the Bridge Front plating? *.40"* and Coaming plate? *.44"*

Give scantlings and spacing of the Stiffeners *200 x 90 x 12.5 mm B.A spaced 30" apart*

Are bracket plates fitted at each end of the Stiffeners? *150 x 150 x 12.5 mm legs top & bottom* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

How are the openings closed? *Steel portable doors fastened with hookbolts through the door*

Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *covered by bidge deck and enclosed by strong steel deckhouse*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*

Give thickness of plating; scantlings and spacing of Stiffeners *vertical plating .32; 4 1/2" flange and 110 x 75 x 8 1/2 angle alternately spaced 30"*

What is the height of the exposed Casings? *8'-3"* Are suitable means provided for closing all openings in them in bad weather? *Yes*

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 below*

Position and Size.		No. 1		No. 2		No. 3, on bridge		No. 4		No. 5		
Item.		12'-6" Ship.	18'-0" Rule.	19'-3" Ship.	18'-0" Rule.	15'-9" Ship.	18'-0" Rule.	24'-3" Ship.	18'-0" Rule.	24'-0" Ship.	18'-0" Rule.	
COAMING	Height above top of DECK	30"		30"		30"		30"		30"		
	Thickness	Sides	.44		.44		.44		.44		.44	
		Ends	.44		.44		.44		.44		.44	
SHIFTING BEAMS OR WEB PLATES	Number	5		5		3		5		5		
	Section and Scantlings	plate 16 x .36		plate 14 x .34		plate 14 x .34		plate 16 x .36		plate 16 x .36		
	Material	angles 100 x 75 x 11 mm		angles 100 x 75 x 11 mm		angles 100 x 75 x 11 mm		angles 100 x 75 x 11 mm		angles 100 x 75 x 11 mm		
* FORE AND AFTERS	Number	/		/		/		/		/		
	Section and Scantlings	/		/		/		/		/		
	Material	/		/		/		/		/		
HATCHES	Thickness	2 1/2"		2 1/2"		2 1/2"		2 1/2"		2 1/2"		
Remarks												

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? *.56* Strake between Main and Bridge Sheerstrakes? *.56*

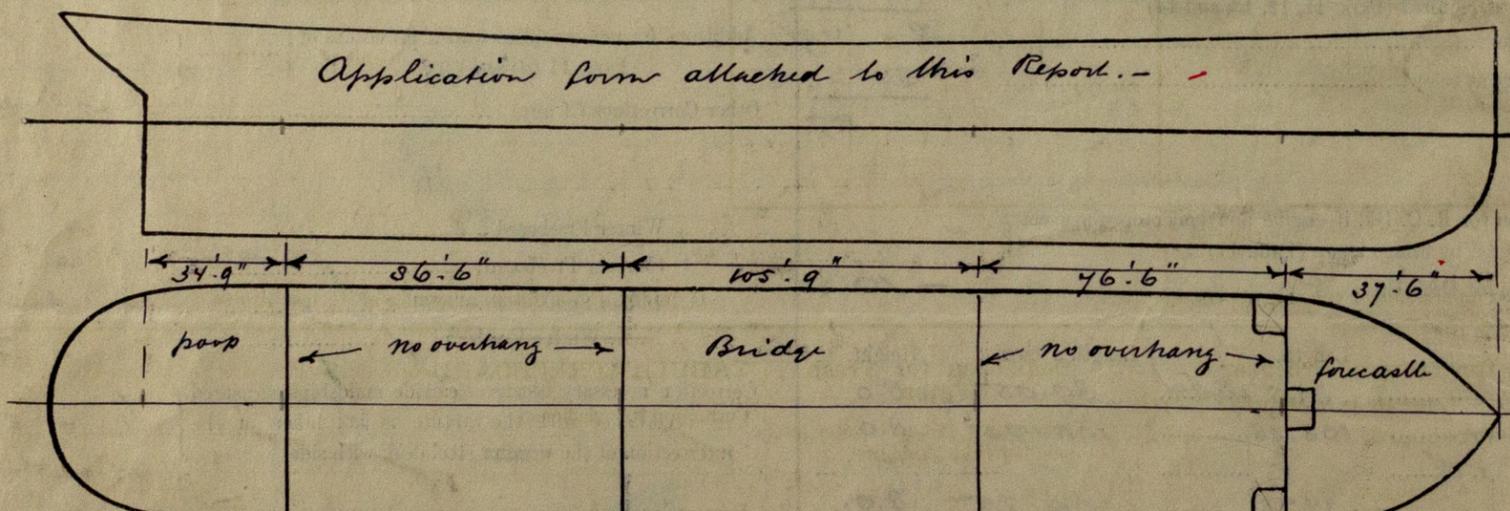
Delete the words { The Crew are, ~~are not~~, berthed in the bridge house. *poop*
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well forewell - 76.5' afterwell 86.5'

Area of Freeing Ports required by Para. 11 (e) each side of vessel = 15.3 17.3 Sq. ft.

Ft. Tenths.	Ft. Tenths.	No.	} Freeing Ports (each side of vessel) =	24.0 28.8 Sq. ft.
forewell 6.00	x 1.00	x 4		
afterwell 6.00	x 1.00	x 4		

4.8	x 1.00	x 1	} Total deficiency or excess =	8.7 11.5 Sq. ft.
open freeing ports				



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

State any special features in the construction of the Vessel *The vessel has been built in accordance with the approved plans, copies of which are being retained in your office.*

Builder's name and yard number *Rotterdamse Droogdok Maatschappij Yardnumber 152.*

Names of sister vessels *S.S. "Astrida" Rotterdamse Droogdok Maatschappij Yardnumber 151.*

Owners *Lloyd Royal Belge, S.A.*

Address *Antwerp.*

Fee of 108.00 will be Received by me *L. Vuyck*



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