

WED.-5 JAN. 1916

No 3262

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD-STEAM SHIPS.

REGULATIONS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH 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 *Oscarsund.*  
Date of Survey *22<sup>nd</sup> Feb. 1916.*  
Name of Surveyor *W. J. J. J.*

Ship's Name: *Andalusia*  
Port of Registry and Nationality: *Göteborg Swedish*  
Official Number: *1249*  
Gross Tonnage: *1275*  
Date of Build: *1916*  
Particulars of Classification: *100 A1 compound. (Shelter deck with funnel)*

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<i>236.12</i>	<i>37.42</i>	<i>15.67</i> <i>16.0</i>	<i>1095</i>
<i>240</i>	<i>37.0</i>	<i>16.66</i>	<i>1095</i>

Moulded Depth as measured.....*17.9*  
 $\frac{18-9}{2} = 9$   
 $\frac{2-10\frac{1}{2}}{2} = 5.25$   
 $\frac{15-10\frac{1}{2}}{2} = 2.25$

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

Efficient of fineness.....*.748*  
 Modification necessary } *Call 513*  
 Para. 4 (a) to (e)\* }  
 Efficient as corrected.....*.72*

Sheer at stem.....*80 5/8*  
 Sheer at sternpost.....*52 3/8*  
 $113 \div 2 = 56.5$  Mean

Sheer at 1/2 of the length from stem.....*50*  
 Sheer at sternpost.....*13 7/16*  
 $63 \frac{7}{16} \div 2 = 31.75$  Mean

Actual mean Sheer.....*57.08*  
 Standard mean Sheer [Table, Para. 18].....*34.0*  
 Difference.....*23.08*  
 $23.08 \div 4 = 5.77$  Correction

If limited as Para. 18 (f).....

Rise in Sheer from amidships }  
 Para. 18 (e) } At front of bridge house.....*✓*  
 At after end of forecastle.....*6*

Fall in Sheer }  
 Para. 18 (d) }  $2 \frac{9}{16} \div 2 = 1.28$   
 Length uncovered.....  
*Relatively to straight line of keel.*

ALLOWANCE FOR DECK ERECTIONS :-  
 Freeboard, Table C.....*10 1/2*  
 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).....*2 - 7 1/2*  
 Difference.....*1 - 9 1/2*  
 Percentage as below.....*94%*  
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11).....*20*  
 Allowance for Deck Erections.....*1 - 4 3/4*

	Length.	Length allowed.	Height.
Forecastle.....	<i>216-10</i>	<i>216.84</i> ✓	<i>8-0</i>
Bridge House.....	<i>4-0</i>		
+ Raised Qr. Dk.....	<i>19-2</i>	<i>19.16</i>	
Poop.....	<i>240-0</i>	<i>236.0</i>	
Total.....		<i>238.0</i>	
Length of Ship.....		<i>240</i>	
Corresponding percentage (Para. 11, 12, 13, or 14).....		<i>99</i>	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :-  
 Fresh Water Line above centre of Disc.....  
 Indian Summer Line " " ".....  
 Winter Line below " " ".....  
 Winter North Atlantic Line " " ".....

CORRECTION FOR LENGTH.  
 Length of Ship on Loadline.....*240* ✓  
 Length in Table.....*213* ✓  
 Difference.....*27* ✓  
 Correction for 10ft., Table A.....*1.1* ✓ Table C.  
 × Difference divided by 10.....*2.97* (if required.)  
 If 1/10ths length covered divide by 2.....*+ 1 1/2* ✓

CORRECTION FOR IRON DECK.  
 Proportion covered, if less than 1/10ths length covered.....  
 Thickness of usual wood deck, less stringer.....*3 1/2* ✓

CORRECTION FOR ROUND OF BEAM.  
 Breadth at Gunwale amidships.....  
 Round of Beam.....*12.0* ✓  
 Normal round.....*9.4* ✓  
 Difference..... $\div 2 =$   
 Proportion of Deck uncovered (Para. 19).....*all covered* ✓

Freeboard, Table A.....*3 - 1 1/4* ✓  
 Correction for Sheer.....*- 5 3/4* ✓  
 Correction for Length.....*2 - 7 1/2* ✓  
 Allowance for Deck Erections.....*+ 1 1/2* ✓  
 Correction for Round of Beam.....*2 - 9 1/4* ✓  
 Correction for fall in Sheer (if any).....*1 - 8 3/4* ✓  
 Correction for Iron Deck (if required).....*1 - 1 1/4* ✓  
 Additions for non-compliance with provisions of Para. 11 (d) and (e) † }  
 Other Corrections (if any) }  
 Winter Freeboard.....*17-9 1/2*  
 Summer Freeboard.....*7 1/2*  
 Indian Summer Freeboard.....*0 - 9 3/4* ✓  
 N. A. Winter Freeboard.....*0 - 7 1/4* ✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side.....*2* ✓  
 Winter Freeboard from deck line.....*0 - 11 3/4* ✓  
 Summer " " " ".....*0 - 9 1/4* ✓  
 Indian Summer " " " ".....  
 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 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 from stem and sternpost.

MARKING REPORT.  
 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.  
 Wm Foundation

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

To what height do the Reverse Frames extend? *Framing as per plan.*

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

Give particulars of the means for closing the openings in Bulkhead,

Is the Poop or Raised Quarter Deck 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, Raised Quarter Deck, or enclosed by a Strong Iron or 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:—

Position and Size.	22-21' x 14'		22-24' 11" x 14'		22-8-23' x 14'		22-4-23' x 14'		Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
COAMING.	Height above top of DECK	30"	30"	30"	30"	30"	30"	30"		
	Thickness	Sides	44"	46"	44"	44"	44"	44"		
		Ends	44"	44"	44"	44"	44"	44"		
SHIFTING BEAMS OR WEB PLATES.	Number	3	5	4	4					
	Section and Scantlings	21'-15" x 34"	16'-15" x 34"	18'-15" x 34"	18'-15" x 34"					
	Material	dbl angles top & bottom Steel	dbl. angles top & bottom Steel	dbl angles top & bottom Steel	dbl angles top & bottom Steel					
* FORE AND AFTERS.	Number									
	Section and Scantlings	None	None	None	None					
	Material									
HATCHES	Thickness	3"	3"	3"	3"					
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.)

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?  Strake between Main and Bridge Sheerstrakes?

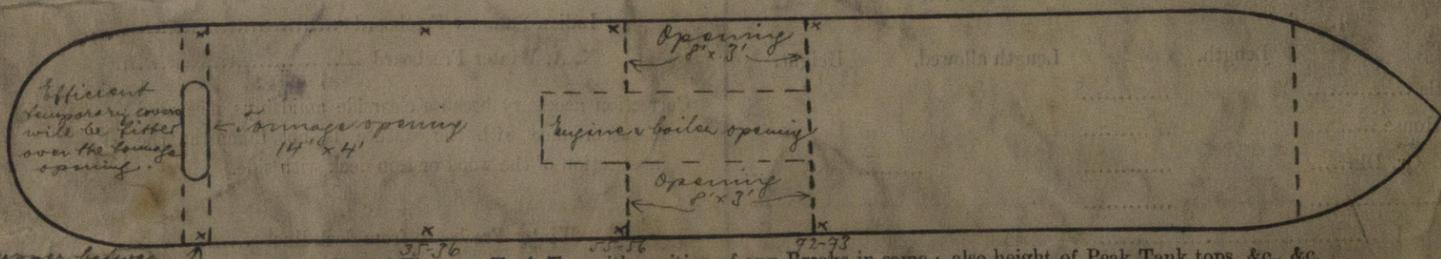
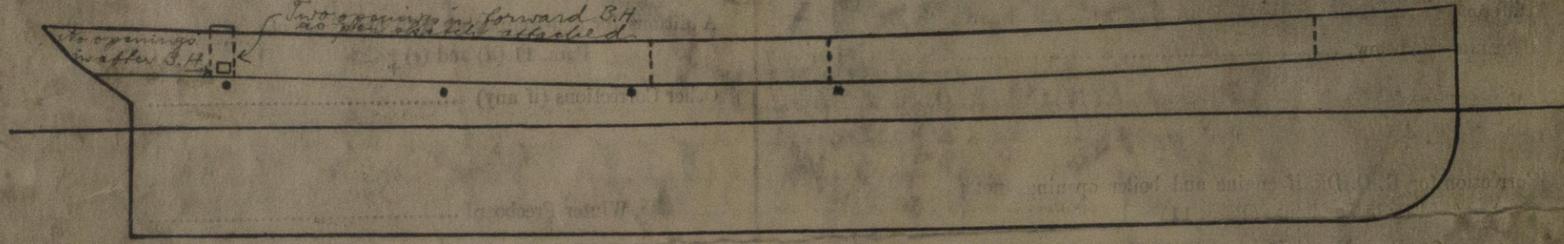
Delete the words  The Crew are, are not, berthed in the bridge house.  
 that do not apply  The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well \_\_\_\_\_ Sq. ft.

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

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) = _____ Sq. ft.
x	x	x	x		

Total deficiency or excess = \_\_\_\_\_ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.  
*A stern deck bulkhead, with openings closed as per sketch attached, has been fitted on frame No 12. Inverse deck bulkheads have also been fitted on frames Nos 56 & 72, scantlings and stiffenings as for B.H. on frame 12. Four cast steel scupper pipes as per rule will be fitted on each side and openings in deck closed by oval covers secured by cross bars. Addition for keel below the base line = 1". Please see Secretary's letter M of the 20/1/13 also plans of vessel retained in the London office for reference.*

Owners *Fornyaed Angfortzys Aktieselskabet*  
 Address *Göteborg*  
 Fee *57:30* Received by me

