

16 FEB 1931

Index No. 33961  
(For London Office only)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD. STEAM SHIPS.

ARTICULARS 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 *Copenhagen*  
Date of Survey *While building*  
Name of Surveyor *J. Macleod*

Ship's Name. **"ALEXANDRA"**  
Port of Registry and Nationality. *Copenhagen Danish*  
Official Number.   
Gross Tonnage.   
Date of Build. *1931*  
Particulars of Classification. *+100 A.I. with freeboard strengthened for navigation in ice. (contemplated).*

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>266.6</i>	<i>39.1</i>	<i>17.1</i>	<i>1207.16</i>
Length on LOADLINE.	<i>266.22</i>	Frame Depth <i>6"</i> Rule <i>5"</i> <i>x2 = -17</i>	Ceiling <i>fitted</i> Sheer <i>+52</i> <i>17.29</i>	Peak <i>1/2</i> Tanks <i>1/2</i> <i>Raised Bulk + 2.4</i> <i>- fwd. + 3.5</i>
CORRECTED DIMENSIONS.	<i>266.22</i>	<i>38.93</i>	<i>17.81</i>	<i>1213.06</i>

Moulded Depth as measured.....*19'6"*  
Addition for Keel below base line for draught record.....*1* inches.

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

*19'6"*  
*9 3/4"*  
*20' - 3 3/4"*  
*3' - 0 1/4"*  
*17' - 3 1/2"*

CORRECTION FOR LENGTH.  
Length of Ship on Loadline.....*266.22*  
Length in Table .....*234.00*  
Difference .....*32.22*  
Correction for 10ft., Table A. ....*1.1* Table C. *6* ✓  
× Difference divided by 10 .....*3.54* (if required.)  
If 1/10ths length covered divide by 2 *1.77* + *1 3/4*

CORRECTION FOR IRON DECK.  
Proportion covered, if less than 1/10ths length covered .....*.699*  
Thickness of usual wood deck, less stringer *3 1/2"*  
Fitted: *2 1/2" sheathing* Mean effective thickness *3 1/2" / 30 × .996 = .30*

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships.....*39'*  
Round of Beam .....*9 3/4"*  
Normal round.....*9 3/4"*  
Difference ..... ÷ 2 = .....  
Proportion of Deck uncovered (Para. 19) ..... Nil.

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

Co-efficient of fineness.....*.657*  
Any modification necessary {  
[Para. 4 (a) to (e)]\* } *C.D.B.*  
Co-efficient as corrected .....*.68 (lowest in Tables).*  
Sheer { Stem.....*66.9*  
at { Sternpost...*2.31* } *108.00* ÷ 2 = *54.0* Mean *55.20*  
Sheer at 1/8 of the length from { Stem *3.80*  
Sternpost *1.26* } *5.06* ÷ 2 = *2.53* Mean *55.20*  
Gradual mean Sheer .....*30.36*  
Standard mean Sheer [Table, Para. 18] .....*21.97* Correction  
Difference.....*8.39* ÷ 4 = *2.10*  
§ If limited as Para. 18 (f) ..... ✓ *- 2*

Rise in Sheer { At front of bridge house.....  
from amidships { At after end of forecastle .....  
[Para. 18 (e)]  
Fall in Sheer {  
Para. 18 (d) } ÷ 2 = ✓  
length uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS:—  
Freeboard, Table C.....*1' - 1 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. 11, 12, 13, and 14) .....*3' - 5 1/2"*  
Difference .....*2' - 4"* ✓  
Percentage as below.....*49.92*  
*13.97*

*Class B Appliances*  
*Para. 12 allowance.*  
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....  
Allowance for Deck Erections .....*14"*

	Length.	Length allowed.	Height.
Forecastle.....	<i>53.64</i>	<i>53.64</i>	<i>7.5</i>
Bridge House.....			
Raised Qr. Dk.....		<i>132.43</i>	
Poop.....	<i>176.58</i>	<i>176.58</i>	<i>7.5</i>
Total.....		<i>230.22</i>	<i>186.07 = .699</i>
Length of Ship.....		<i>266.22</i>	
Corresponding percentage { Para. 11, 12, 13, or 14 } ..... <i>49.92% 86.5%</i> ✓			

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 " " " .....

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

+ 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.

RECEIVED  
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SUBJECT  
CONDITIONS  
DETAILED  
Lloyd's Register  
Foundation



Do all the Frames extend to the top height in the Poop? *Yes*  
 To what height do the Reverse Frames extend? *No reversed frames*  
 Has the Poop ~~on Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *Bolted plates as per sketch*  
 Is the Poop ~~on Raised Quarter Deck~~ connected with the Bridge House? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *See Poop*  
 What is the thickness of the Bridge Front plating? *39 and 35* and Coaming plate? *No coaming plate - deep coaming angle 150 x 75 x 10*  
 Give scantlings and spacing of the Stiffeners *180 x 75 x 95 spaced 30"*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes*  
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*  
 How are the openings closed? *Yes*  
 Is the Forecastle at least as high as the main or top-gallant rail? *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 big poop & above 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 *Yes*  
 What is the height of the exposed Casings? *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:— *Yes*

Position and Size.	No 1 Forecastle deck		No 2 UPPER DECK.		No 3 POOP DECK.		No 4 POOP DECK.		Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
Item.	STEEL									
Height above top of DECK	2'-11 1/2"		3'-0"		2'-11 1/2"		2'-11 1/2"			
COAMING.	Sides.....	.44	.44		.44		.44			
	Ends.....	.44	.44		.44		.44			
SHIFTING BEAMS OR WEB PLATES.	Number .....	19 1/2 x 9 1/2	3		1		3			
	Section and Scantlings .....	I 240 x 240 x 10 x 15.5	I 240 x 240 x 10 x 15.5		I 240 x 240 x 10 x 15.5		I 240 x 240 x 10 x 15.5			
	Material .....	Steel	Steel		Steel		Steel			
* FORE AND AFTERS.	Number .....	3 6 1/4 x 3 1/4	3		3		3			
	Section and Scantlings .....	I 160 x 84 x 6.5 x 9.5	I 160 x 84 x 6.5 x 9.5		I 160 x 84 x 6.5 x 9.5		I 160 x 84 x 6.5 x 9.5			
	Material .....	Steel	Steel		Steel		Steel			
HATCHES Thickness .....	2 3/4"		3"		2 3/4"		2 3/4"			
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? *45* Strake between Main and Bridge Sheerstrakes? *45*

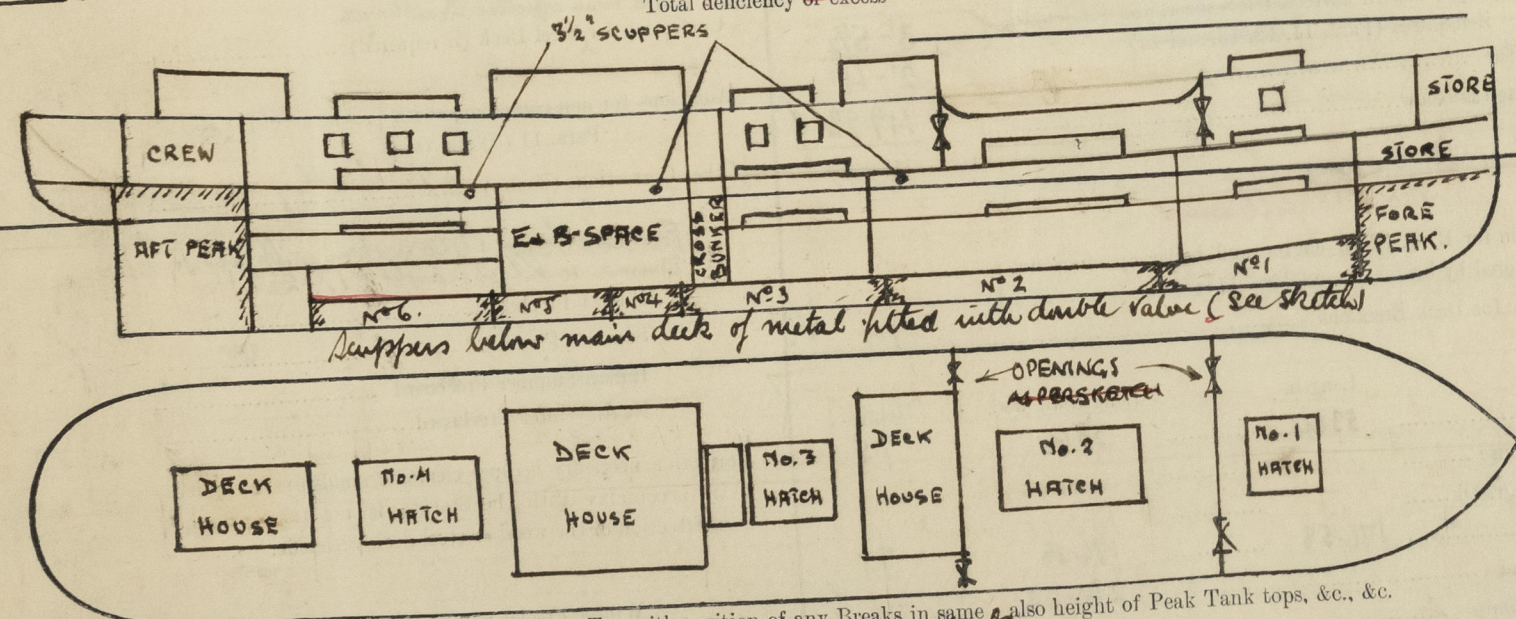
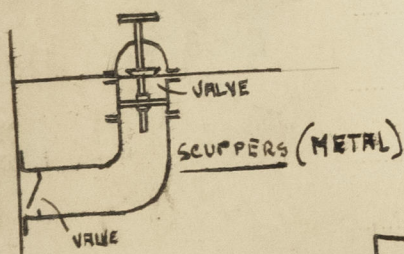
Delete the words that do not apply { The Crew are, ~~are not~~, berthed in the bridge house.  
 { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well *forward 36'0"* = 10-1 Sq. ft.

Area of Freeing Ports required by Para. 11 (e) each side of vessel = 9 Sq. ft.

Ft. Tenth. Ft. Tenth. No. Freeing Ports (each side of vessel) = 1-1 Sq. ft.

2-5 x 1-8 x 2 Total deficiency or excess = 1-1 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.  
*No sidelights fitted below upper deck*  
*Cruiser Stern*

State any special features in the construction of the Vessel

Builder's name and yard number *As Helsingors Jernskibs & Maskinbyggeri; Javn No 200.*

Names of sister vessels

Owners *As Det Jernede Dampskibsselskab*

Address *Copenhagen.*

Fee *kr. 109.20* Received by me