

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. _____
(For London Office only.)

14 MAR 1921

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 Nakshov
Date of Survey While building
Name of Surveyor J. Macleod

Ship's Name. **"LALANOA"**
Port of Registry and Nationality. Copenhagen Danish
Official Number. _____
Gross Tonnage. _____
Date of Build. 1927
Particulars of Classification. *100 A.1. with Flood class contemplated.

REGISTERED DIMENSIONS.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Registered dimensions from Register.	<u>389.80</u>	<u>53.40</u>	<u>25.20</u>	<u>4021</u>
Length on ADLINE.	<u>390'0"</u> <u>389.75</u>	Frame Depth <u>12</u> Rule " <u>6</u>	Ceiling <u>fitted</u> Peak <u>on 2' Grounds</u> Sheer <u>incl.</u>	Peak <u>incl.</u> Tanks
CORRECTED DIMENSIONS.	<u>389.75</u> <u>390.0</u>	<u>52.40</u>	<u>25.68</u> <u>25.87</u>	<u>4021</u>

Moulded Depth as measured..... 28'0"

Addition for Keel below base line for draught record..... 1 1/2 inches.

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	<u>390'0"</u>	<u>389.75</u>
Length in Table	<u>336.0</u>	
Difference	<u>54.0</u>	<u>53.75</u>
Correction for 10ft., Table A.	<u>1.4</u>	Table C.
× Difference divided by 10	<u>7.562</u>	(if required.)
If 1/10ths length covered divide by 2	<u>3.786</u>	<u>+ 3 3/4</u>

Efficiency of fineness..... .766 .761
Modification necessary } .02
Para. 4 (a) to (e)]*
Efficiency as corrected75 .74

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

Thickness of usual wood deck, less stringer 3 1/2" - 3 1/2"

Stem 85.927.16
Sternpost 3.75
 $10.91 \div 2 = 65.5$ Mean 36.14.36
 130.92
Stem 48"
Sternpost 25"
 $73 \div 2 = 36.5$ Mean
Mean Sheer allowed 66.36 65.91 $\div .55 = 66.36$
Mean Sheer [Table, Para. 18] 49.00 48.97 Correction
Difference..... 17.36 16.94 $\div 4 = 4.34$
Corrected as Para. 18 (f) 4.23 - 4 1/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 51'9"
Round of Beam 13 1/4"
Normal round..... 12.94
Difference31 $\div 2 =$ 15
Proportion of Deck uncovered (Para. 19)006

Sheer } At front of bridge house.....
amidships } ✓
18 (e)] } At after end of forecastle

Sheer } $\div 2 =$ ✓
18 (d)] }
uncovered Correction

Freeboard, Table A 6' 8 1/2
Correction for Sheer - 4 1/2 1/4
6' 4 1/4 3/4
Correction for Length + 3 3/4
6' 8' 7 1/2
Allowance for Deck Erections 2.7
4-1
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓ - 3 1/2
3-9 1/2
Correction for Steel Deck (if required)

Additions for non-compliance with provisions of }
Para. 11 (d) and (e) † }
Other Corrections (if any)

Winter Freeboard 3' 9 1/2
Summer Freeboard 5 1/2 3-4
Indian Summer Freeboard 2-10 1/2
N. A. Winter Freeboard

ALLOWANCE FOR DECK ERECTIONS:—

Table C..... 3' 7 1/2
Correction for Length, if required (Para. 12, 13, and 14) ✓
Corrected by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 6' 4 1/4 3/4
} 2' 9 1/4
as below..... 93.6% 94.4%
31+2.39

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections 2' 7 1/2

Length.	Length allowed.	Height.
<u>362'3"</u>	<u>362.25</u>	<u>8'</u>
<u>4'0"</u>	<u>23.0</u>	
<u>22'6"</u> <u>23.6</u>	<u>22.5</u>	<u>8'</u>
<u>389.75</u>	<u>385.25</u>	
	<u>2.25</u>	
	<u>390.00</u> <u>387.50</u>	
	<u>2.25</u>	
	<u>389.75</u>	<u>.994</u>

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side. 1 3/4

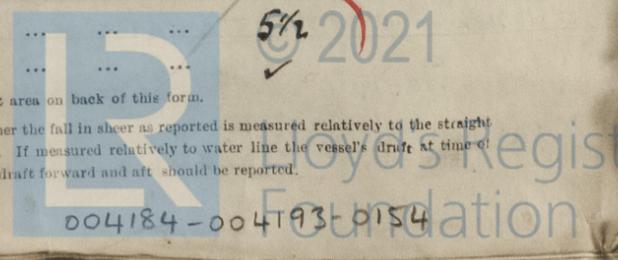
Winter Freeboard from deck line 3' 11 1/4
Summer " " " " 3' 5 3/4
Indian Summer " " " " 3' 0 1/4
N. A. Winter " " " " ✓
3' 5 1/2
6'
5 1/2
5 1/2

BOARD 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	" " "

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside ceiling should be reported if possible.
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 having poops and forecastles, it means the sheer measured at points distant eighth of the vessel's length from stem and stern-post.

† 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.



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? *B.A. framing*

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 *No doors. Windows with w.r. plate covers.*

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

Give scantlings and spacing of the Stiffeners *200 x 85 x 12.5" spaced 16"*

Are bracket plates fitted at each end of the Stiffeners? *Yes 150 x 150 x 13.5* 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? *Enclosed by strong 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?

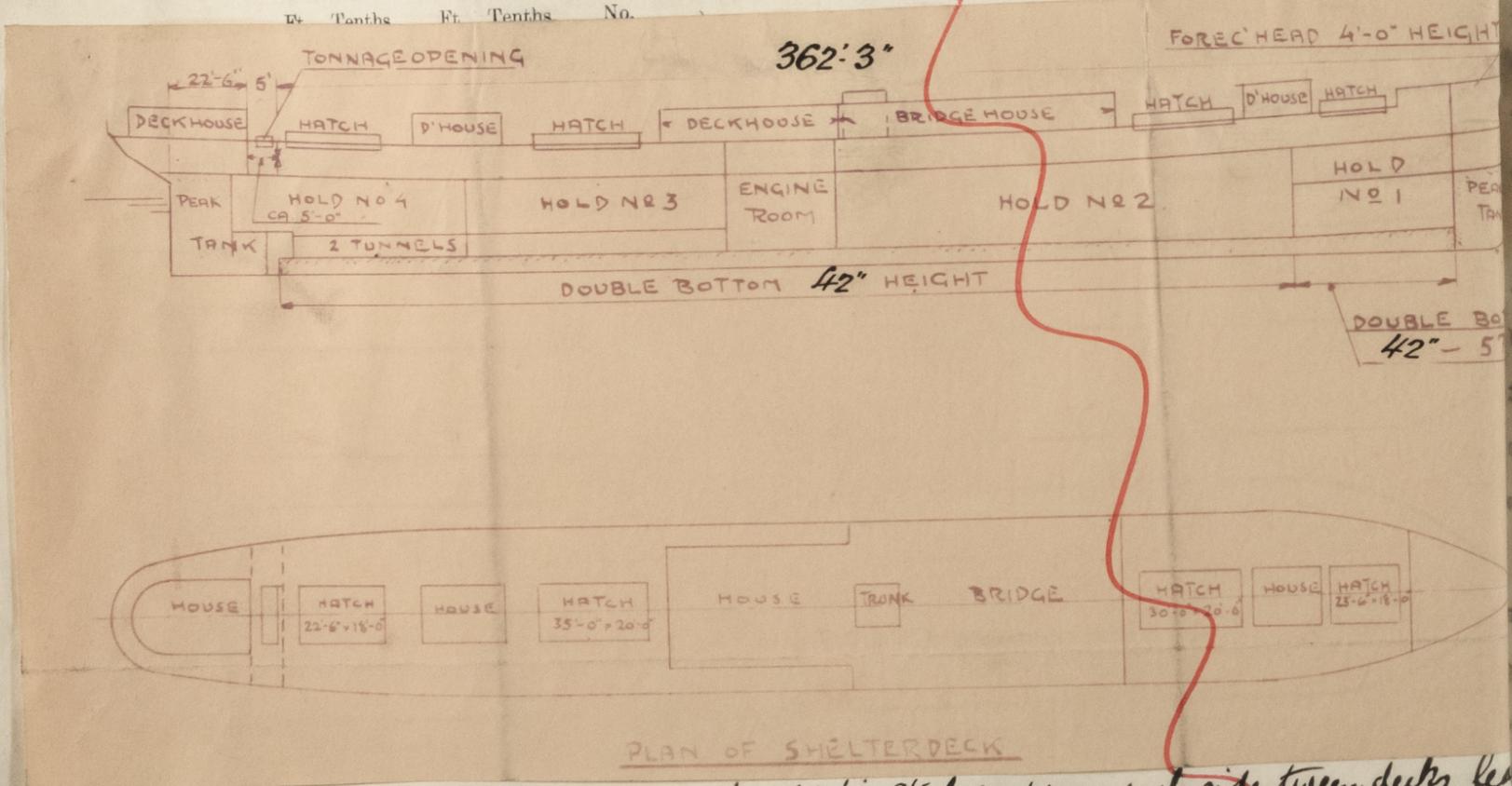
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:

Position and Size.	No 1 Hatch 23'6" x 18'0"		No 2 Hatch 30'0" x 20'0"		No 3 Hatch 35'0" x 20'0"		No 4 Hatch 22'6" x 18'0"		Tonnage Opening
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING. Height above top of DECK	3 1/2"		3 1/2"		3 1/2"		3 1/2"		5'9"
Thickness	Sides.....	.50	.50		.50		.50		.40
	Ends.....	.44	.44	.44		.44			.40
SHIFTING BEAMS OR WEB PLATES.	Number.....	4	5	6	4				
	Section and Scantlings.....	16" J/C .36	7 1/2" 13 x 3/4	7 1/2" 13 x 3/4	7 1/2" 12 1/2 x 3/4				
	Material.....	Steel	Steel	Steel	Steel				
* FORE AND AFTERS.	Number.....	No	No	No	No				
	Section and Scantlings.....								
	Material.....								
HATCHES Thickness.....	3"	3"	3"	3"					
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? Strake between Main and Bridge Sheerstrakes?

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 _____ = _____ Sq. ft.
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____
 Ft. Tents Ft. Tents No.



State any special features in the construction of the Vessel *4-3 1/2" dia steel scuppers each side tween decks level thro' ship's side and fitted with storm valves.*

Builder's name and yard number *In tonnage well - freeing port (P.S.) 3'-1" x 15 1/2"*

Names of sister vessels *Efficient temporary covers fitted to tonnage opening on shelter deck.*

Owners *A/S DET ÖSTASIATISKE KOMPAGNI.*

Address *Copenhagen.*

Fee £ 11. Received by me _____

