

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 Antwerp
Date of Survey 20th March, 1924
Name of Surveyor P. Derudder

Ship's Name. S.S. FLANDRES Number in Register Book <u>19847</u>	Port of Registry and Nationality. <u>Antwerp</u> <u>Belgian</u>	Official Number.	Gross Tonnage. <u>5802</u>	Date of Build. <u>1914-3</u>	Particulars of Classification. <u>+</u> <u>Reclassification contemplated</u>
Registered dimensions from Ship's Register. LENGTH. <u>422.5</u> BREADTH. <u>56.20</u> DEPTH. <u>29.60</u> UNDER DECK TONNAGE. <u>5501</u>	Moulded Depth as measured..... <u>32'-6"</u>				
Length on LOADLINE. LENGTH. <u>422.5</u> Frame Depth <u>10 1/2</u> Ceiling <u>+ .20</u> Rule " <u>6 1/2</u> Sheer <u>+ .53</u> <u>x 2 = .66</u> Tanks <u>Leis for framing</u> <u>- 15</u>	Addition for Keel below base line for draught record..... inches.				
CORRECTED DIMENSIONS. LENGTH. <u>422.5</u> BREADTH. <u>55.54</u> DEPTH. <u>30.83</u> UNDER DECK TONNAGE. <u>5486</u>	CORRECTION FOR LENGTH.				

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

Coefficient of fineness..... .77
Modification necessary }
Para. 4 (a) to (e)* } 6.15.13
Coefficient as corrected75

Length of Ship on Loadline.....	<u>422.5</u>
Length in Table	<u>390.0</u>
Difference	<u>32.5</u>
Correction for 10ft., Table A.	<u>1.6</u> Table C. <u>.8</u>
x Difference divided by 10	<u>5.2</u> (if required.) <u>2.6</u>
If 1/10ths length covered divide by 2	<u>+ 5 1/4</u> <u>+ 2 1/2</u>

Sheer { Stem..... 114 }
at { Sternpost ... 34 } 148 ÷ 2 = 74. Mean

Sheer at 1/3 of the length from { Stem 66 1/2 }
{ Sternpost 12 } 78 1/2 ÷ 2 = 39 1/4. Mean

Gradual mean Sheer 7.36 + .55 = 41.36

Standard mean Sheer [Table, Para. 18] 52.25 Correction "

Difference..... 19.11 ÷ 4 = - 4 3/4

§ If limited as Para. 18 (f)

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered563

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

3" Leak Sheathing on wells = - 1/4 - 3" - 3 1/4"

Rise in Sheer { At front of bridge house..... }
from amidships { [Para. 18 (e)] At after end of forecastle

Fall in Sheer { }
Para. 18 (d) { } ÷ 2 =

Length uncovered Correction

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>55'-8"</u>
Round of Beam	<u>13 1/2</u>
Normal round.....	<u>13 7/8</u>
Difference	<u>- ÷ 2 =</u>
Proportion of Deck uncovered (Para. 19)	

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>5'-4 1/2</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>+ 2 1/2</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>5'-7"</u>
Difference	<u>8'-6 1/2</u>
Percentage as below.....	<u>2'-11 1/2</u>
	<u>37.04</u>
	<u>13.15</u>

Freeboard, Table A	<u>8'-6"</u>
Correction for Sheer	<u>- 4 3/4</u>
Correction for Length	<u>8'-1 1/4</u>
Allowance for Deck Erections	<u>+ 5 1/4</u>
Correction for Round of Beam.....	<u>8'-6 1/2</u>
Correction for fall in Sheer (if any).....	<u>- 1'-1 1/4</u>
Correction for Iron Deck (if required)	<u>4'-5 1/4</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>- 3 1/4</u>
Other Corrections (if any)	<u>4'-2"</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }

Allowance for Deck Erections 1'-1 1/4

Winter Freeboard 4'-2"

Summer Freeboard 6'-8"

Indian Summer Freeboard 6'-2"

N. A. Winter Freeboard

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. 13 1/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>54.5</u> 55.10	<u>53.86</u>	<u>7.50</u>
Bridge House	<u>126.0</u> 124.6	<u>124.00</u>	<u>9.00</u>
† Raised Qr. Dk.....			
Poop.....	<u>59.5</u> 60.0	<u>60.00</u>	<u>8.00</u>
Total		<u>237.86</u>	<u>= .563</u>
Length of Ship	<u>422.5</u>		
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>37.04%</u>		

Winter Freeboard from deck line	<u>4'-3 3/4</u>
Summer " " " "	<u>6'-9 3/4</u>
Indian Summer " " " "	<u>6'-3 3/4</u>
N. A. Winter " " " "	<u>6'-9 1/2</u>
	<u>6 1/2</u>
	<u>6</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 " " " " ...

24 MAR 1924

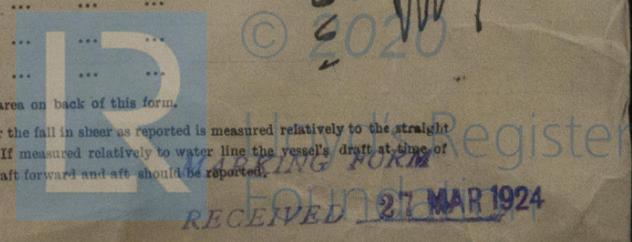
© If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

† 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.



Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *deep 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 *riveted channels & boards full height*
 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 *hinged steel doors with clips*
 What is the thickness of the Bridge Front plating? *.40"* and Coaming plate? *10" x 3 1/2" x .50 angle*
 Give scantlings and spacing of the Stiffeners *9 1/2" x 3 1/2" x 58 B.A. spaced 28" apart*
 Are bracket plates fitted at each end of the Stiffeners? *yes* 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? *riveted channels & boards full height*
 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? *yes*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes, on bridge decks*
 Give thickness of plating; scantlings and spacing of Stiffeners *.26. 5" x 2 1/2" x 35 BA spaced about 40"*
 What is the height of the exposed Casings? *4'-6"* Are suitable means provided for closing all openings in them in bad weather? *yes*

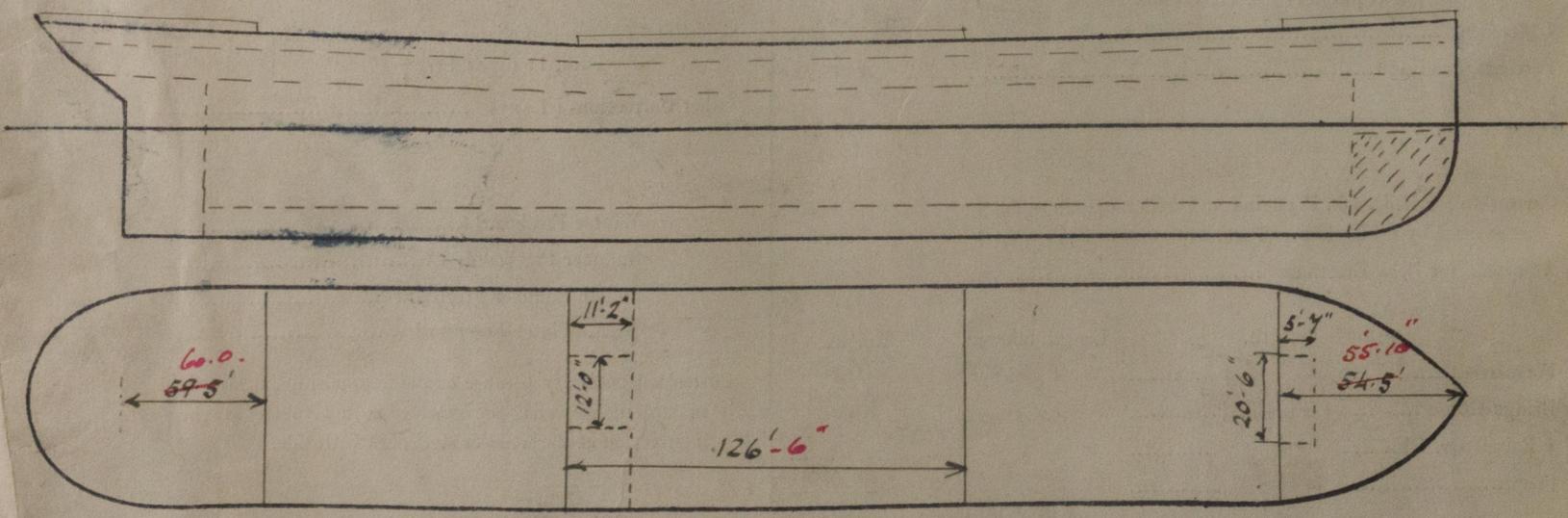
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

Position and Size.	<i>No 1 Fore well</i>		<i>No 2 Fore well</i>		<i>No 3 Bridge</i>		<i>No 4 & 5 aft well</i>		<i>No 6 Poop</i>	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	32"		32"		32"		32"		32"	
Thickness {	Sides.....	46	50		38		44		38	
	Ends.....	40	40		38		40		38	
SHIFTING BEAMS OR WEB PLATES.	Number.....	3	4		2		3		2	
	Section and Scantlings.....	3x3x40 7x22x34	4x3x40 33x34		3x3x40 26x34		3x3x40 28x34		3x3x40 25x34	
	Material.....	5x3x50	5x3x50		5x3x50		5x3x56		5x3x55	
* FORE AND AFTERS.	Number.....	None	None		None		None		None	
	Section and Scantlings.....									
	Material.....									
HATCHES Thickness.....	2 3/4 x 3"		2 3/4 x 3"		2 3/4 x 3"		2 3/4 x 3"		2 3/4 x 3"	
Remarks.....	Fore aft		Fore aft.		Fore aft		Fore aft.		Fore aft	

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

State any special features in the construction of the Vessel _____

Builder's name and yard number _____

Names of sister vessels _____

Owners *Cie Royal Belgo-Argentine (Armement Dephe, Abys)*

Address _____

Fee £ 19 : 5 : 0

Received by me _____

1925 francs.

applied for: 20/3/24

