

PRELIMINARY REPORT.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. 13276
(For London Office only.)

31443

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 Bigland
Name of Surveyor J. O. Hubert

Ship's Name. Antwerp Engineering Co. Ltd. Port of Registry and Nationality. Antwerp Belgian Official Number. 1924 Gross Tonnage. 1924 Date of Build. 1924 Particulars of Classification. * 100A (Class Contemplated) (Revised Rules)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Length on LOADLINE.	240.0	37.2	15.81	1235.
CORRECTED DIMENSIONS.	240.0	36.58	16.30	1235.

Moulded Depth as given 17-9 1/2
Addition for Keel below base line for draught record.....inches.

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

CORRECTION FOR LENGTH.
Length of Ship on Loadline.....240.0
Length in Table213.5
Difference26.5
Correction for 10ft., Table A.1.1 Table C.
× Difference divided by 102.91 (if required.)
If 1/10ths length covered divide by 2 1.45
+ 1 1/2

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered
Thickness of usual wood deck, less stringer3 1/2

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships.....37.0
Round of Beam9 1/4
Normal round.....9 1/4
Difference
Proportion of Deck uncovered (Para. 19)

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

Co-efficient of fineness......86
Any modification necessary [Para. 4 (a) to (e)]*-.02
Co-efficient as corrected84

Sheer { Stem.....68 }
at { Sternpost...34 } 102 ÷ 2 = 51 ...Mean 51.81
Sheer at 1/2 of the length from { Stem 38 }
{ Sternpost 19 } 57 ÷ 2 = 28.5 ...Mean 28.5
Gradual mean Sheer51.4 ÷ 55 = 51.81
Standard mean Sheer [Table, Para. 18]34.0
Difference.....17.4 ÷ 4 = 4.35
§ If limited as Para. 18 (f)-4 1/4

Rise in Sheer { At front of bridge house.....
from amidships { At after end of forecastle

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....0.11 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) } 3.0
Difference2.0 1/2
Percentage as below.....80.8%
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)-19.82
Allowance for Deck Erections-1.7

	Length.	Length allowed.	Height.
Forecastle.....	27.0	24.77	7.3
Bridge House			
† Raised Qr. Dk.....	180.5	180.5	3.11 1/2
Poop.....			
Total	204.67	206.27	
Length of Ship	240		
Corresponding percentage { Para. 11, 12, 13, or 14 }	80.8%		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " " "

Freeboard, Table A3.4 1/2
Correction for Sheer-4 1/4
Correction for Length+ 1 1/2
Allowance for Deck Erections-1.7
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required)-3 1/2
Additions for non-compliance with provisions of Para. 11 (d) and (e)†
Other Corrections (if any) Raised Quarter Deck + 3.11 1/2

Winter Freeboard5.2 1/2
Summer Freeboard5.0
Indian Summer Freeboard4.9 1/2
N. A. Winter Freeboard5.4 1/2

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 1/2

Winter Freeboard from deck line5.4
Summer " " "5.1 1/2
Indian Summer " " "4.11
N. A. Winter " " "5.6
Wood (Steel) Deck :—
2 1/2
2 1/2
4 1/2

† 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 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? *Yes*
To what height do the Reverse Frames extend? *Bulkhead frames*
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 *No openings*
Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
Give particulars of the means for closing the openings in Bulkhead *No openings*
What is the thickness of the Bridge Front plating? *1/2"* and Coaming plate? *1/2"*
Give scantlings and spacing of the Stiffeners *26 in. bay of Cabin 32 in. bay of Poop Coaming 30 x 36 Stiffeners 4 x 32 x 30 @ 30*
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? *Yes*

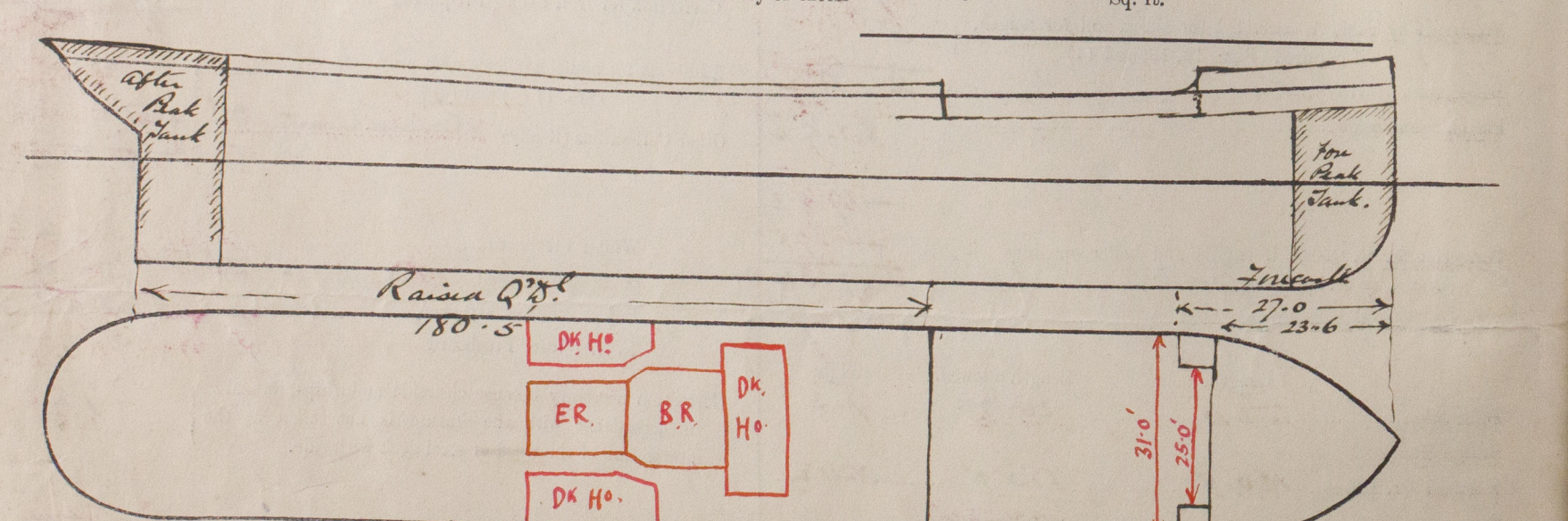
Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes*
Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Raised Q. Deck structure in 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 *26 in. bay of Cabin 32 in. bay of Poop Coaming 30 x 36 Stiffeners 4 x 32 x 30 @ 30*
What is the height of the exposed Casings? *7' 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:—													25.0				
Position and Size.		No. 1. 22.6' x 15.8'				No. 2 27.0' x 25.0'				No. 3 27.0' x 25.0'				No. 4 24.9' x 21.6'			
Item.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
Height above top of DECK		48"		48"		36"		36"		36"		36"		36"		36"	
Thickness		Sides		4/4"		4/4"		4/4"		Same as No. 2		4/4"		4/4"		4/4"	
		Ends		4/4"		4/4"		4/4"		4/4"		4/4"		4/4"		4/4"	
Number		4		4		5		5		5		5		5		5	
Section and Scantlings		19 x 35		19 x 35		19 x 35		19 x 35		Same as No. 2		17 1/2 x 36		17 1/2 x 36		17 1/2 x 36	
Material		17 x 36		17 x 36		17 x 36		17 x 36		Same as No. 2		17 x 36		17 x 36		17 x 36	
Number		4		4		5		5		5		5		5		5	
Section and Scantlings		19 x 35		19 x 35		19 x 35		19 x 35		Same as No. 2		17 1/2 x 36		17 1/2 x 36		17 1/2 x 36	
Material		17 x 36		17 x 36		17 x 36		17 x 36		Same as No. 2		17 x 36		17 x 36		17 x 36	
Number		4		4		5		5		5		5		5		5	
Section and Scantlings		19 x 35		19 x 35		19 x 35		19 x 35		Same as No. 2		17 1/2 x 36		17 1/2 x 36		17 1/2 x 36	
Material		17 x 36		17 x 36		17 x 36		17 x 36		Same as No. 2		17 x 36		17 x 36		17 x 36	
Number		4		4		5		5		5		5		5		5	
Section and Scantlings		19 x 35		19 x 35		19 x 35		19 x 35		Same as No. 2		17 1/2 x 36		17 1/2 x 36		17 1/2 x 36	
Material		17 x 36		17 x 36		17 x 36		17 x 36		Same as No. 2		17 x 36		17 x 36		17 x 36	
HATCHES Thickness		2 1/2"		2 1/2"		2 1/2"		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 16 feet Moulded depth) and under Shelter Deck Rules.
What is the thickness of the Bridge Sheerstrake? *1/2"* Strake between Main and Bridge Sheerstrakes? *1/2"*

Delete the words *The Crew are, berthed in the bridge house.*
that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, not satisfactory.*
Length of Bulwarks in well *28-0*
Area of Freeing Ports required by Para. 11 (e) each side of vessel = *10-05* Sq. ft. *Does not agree with 27-0 length of forecastle*
Ft. Tenth. Ft. Tenth. No. *2-75 1-83 2*
Freeing Ports (each side of vessel) = *10-05* Sq. ft.
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 *Antwerp Engineering Co SA*
Names of sister vessels
Owners *Comptoir Maritime Charbonnier*
Address *Antwerp*
Fee £
Received by me

3pt. 11b.

Index No. *13240 A*
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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 *Building*
Name of Surveyor *J. O. Hubert*

Ship's Name *Antwerp Co No 89* Port of Registry *Antwerp* Official Number. *1924* Gross Tonnage. *1924* Date of Build. *1924* Particulars of Classification. *1000 A Class Contingent (Revised Rules)*

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	240.0	37.2	15.81	1235
Length on LOADLINE.	240.0	Frame Depth 62 Rule 42.5 -62.58	Ceiling 142.5 Sheer +44 Level tank	Peak Tanks Inclined
CORRECTED DIMENSIONS.	240.0	36.62	16.45	1235.

Co-efficient of fineness..... *.85 .86*
Any modification necessary } *.02 C.B.B.*
[Para. 4 (a) to (e)]*
Co-efficient as corrected *.83 .84 .82 highest in table*

Sheer { Stem..... *68*
at { Sternpost ... *34* } $102 \div 2 = 51$ Mean *51.81*
36 17.81

Sheer at 1/2 of the length from { Stem *38*
Sternpost *19* } $57 \div 2 = 28.5$ Mean *51.81*
Gradual mean Sheer *51.4 50.18*
Standard mean Sheer [Table, Para. 18] *34.00* Correction *4.35*
Difference..... *17.4 16.18* $\div 4 = 4.35
§ If limited as Para. 18 (f) *✓* *-4 1/4*$

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

¶ Fall in Sheer { $\div 2 =$ *✓*
Para. 18 (d) {
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-
Freeboard, Table C..... *0-11.58*
Correction for Length, if required (Para. 12, 13, and 14) *✓ 4.34*
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *2-11.82*
Difference *2-0.24*
Percentage as below..... *80.92*
2-19.61
80.9
-19.82
+ .78
-19.04
-1-7

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) *18.83*
Allowance for Deck Erections *1-7*

Length. Length allowed. Height.
Forecastle..... *27-0* *180-5* *3-11 1/2*
Bridge House
† Raised Qr. Dk. *180-5* *205 206 27*
Poop.....
Total *240* = *.859*

Length of Ship
Corresponding percentage { *= 80.92*
Para. 11, 12, 13, and 14 }

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, (Steel) Deck :-
Fresh Water Line above centre of Disc
Indian Summer Line " "
Winter Line below " "
Winter North Atlantic Line " "
N. A. Winter " "
Winter Freeboard from deck line *5-4* *5-1 1/2* *4-11* *5-6* *5-1 1/2*
Summer " " " "
Indian Summer " " " "
N. A. Winter " " " "
Winter Freeboard *5-2 1/2* *5-0* *4-9 1/2* *5-1 1/2*
Summer Freeboard *2 1/2* *2 1/2* *2 1/2* *2 1/2*
Indian Summer Freeboard
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. *1 1/2*

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? ☒ *B A James*

To what height do the Reverse Frames extend? *3 ft*

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

Give particulars of the means for closing the openings in Bulkhead *no openings*

Is the ~~Poop~~ or Raised Quarter Deck connected with the Bridge House? *no B.H.*

Has the Bridge House an efficient Bulkhead at the fore end? ☒ *Yes*

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? ☒ *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? *Raised Q. D. S.*

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 *26 in way of Cabin 32 elsewhere Coaming 30 x 36. Stiff 3 x 3 x 30 4 x 3 x 30*

What is the height of the exposed Casings? *7.3*

Are suitable means provided for closing all openings in them in bad weather? ☒ *In accordance with approved plan*

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.	Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK										
	Thickness { Sides..... Ends.....										
SHIFTING BEAMS OR WEB PLATES	Number										
	Section and Scantlings										
	Material										
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness											
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 Rules, 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? ☒

Stroke between Main and Bridge Sheerstrakes? ☒

Delete the words *The Crew 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, ~~not~~ satisfactory.*

Length of Bulwarks in wet *28.0*

Area of Freeing Ports required by Para. 11 (c) each side of vessel =

Sq. ft.

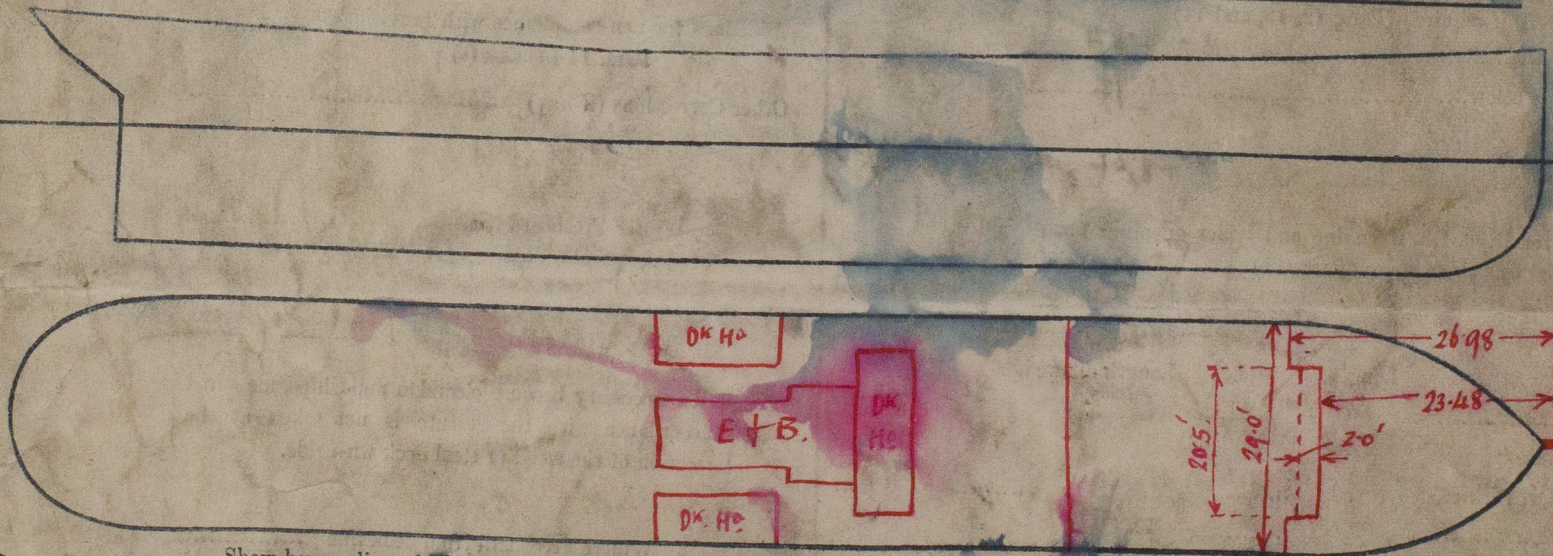
Ft. Tenths. Ft. Tenths. No.

Freeing Ports *As approved with*

(each side of vessel) *N. 29/8/24*

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 *Antwerp Engineering Co. S.A.*

Names of sister vessels

Owners *Compagnie Maritime Charbonniere*

Address *Antwerp*

Received by me

Received by me



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