

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

13 DEC 1927

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 *Runnymede*
Date of Survey *Building*
Name of Surveyor *J. F. Fennell*

Ship's Name *DORDRECHT*
Port of Registry and Nationality *Dutch*
Official Number *577*
Gross Tonnage
Date of Build. *1927*
Particulars of Classification. *100 A1 Contemplated carrying petroleum in bulk.*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>351.13</i>	<i>50.25</i>	<i>24.8</i>	<i>3371.05</i>
Length on LOADLINE.	<i>350'-0"</i>	Frame Depth <i>8 3/4</i> Ceiling <i>+ .20</i> Peak } Rule <i>" 5 1/2"</i> Sheer <i>+ .57</i> Tanks } include <i>3 1/4</i> <i>For ord. floors</i> <i>x2 = -.54</i> <i>For D.B. aft</i> <i>No sparring + .33</i> <i>+ 39.6 tons</i>		
CORRECTED DIMENSIONS.	<i>350.0</i>	<i>50.04</i>	<i>25.54</i>	<i>3418.95</i>

Co-efficient of fineness..... *.764*
Any modification necessary { *+ .016 bottom*
[Para. 4 (a) to (e)]* } *Length: 3321 32 ft x 100*
Co-efficient as corrected *.78* *350.0 x 50.25 x 24.15 = 756.792*

Sheer { Stem..... *7'-4 3/8"* *182.37 ÷ 2 = 66.18* Mean
at { Sternpost *3'-8"* *.57*
Sheer at 1/2 of the length from { Stem *3'-11 3/8"* *72.12 ÷ 2 = 36.06* Mean
{ Sternpost *2'-0 3/4"* *.56*
Gradual mean Sheer *65.56 ÷ 55 = 65.56*
Standard mean Sheer [Table, Para. 18] *45.00* Correction
Difference..... *20.56 ÷ 4 = 5.14*
§ If limited as Para. 18 (f) *- 5 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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *2'- 7 1/2"*
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, } *5'- 13 1/4"*
if required (Para. 12, 13, and 14) }
Difference *2'- 6 1/4"*
Percentage as below..... *46.3%*
14.0

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

	Length.	Length allowed.	Height.
Forecastle.....	<i>30'-4"</i>	<i>38.33</i>	<i>7'-6"</i>
Bridge House.....	<i>233'-8"</i>	<i>30'-0"</i>	<i>115.58</i>
+ Raised Qr. Dk.....			
Poop.....	<i>70'-0"</i>	<i>78.00</i>	<i>7'-6"</i>
Total		<i>231.91</i>	<i>.663</i>
Length of Ship		<i>350.0</i>	
Corresponding percentage { <i>46.3%</i> (Para. 11, 12, 13, or 14) }			

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 " " "

* 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.

Moulded Depth as measured..... *25'-0"*
Addition for Keel below base line for draught record..... inches. *Rule plate 20.5 mm*

CORRECTION FOR LENGTH

Length of Ship on Loadline..... *350*
Length in Table *300*
Difference *50*
Correction for 10ft., Table A. *1.8* Table C.
× Difference divided by 10 *6.5* (if required.)
If 1/10ths length covered divide by 2 *3.25*
+ 3 1/4"

P.F. *.332* Trunk *.413* Total *-.745*
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"*

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *50.0*
Round of Beam *11 3/4"*
Normal round..... *12 1/2"*
Difference *3/4 ÷ 2 = 3/8"*
Proportion of Deck uncovered (Para. 19) *.255*

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

Freeboard, Table A *5'- 7"*
Correction for Sheer *- 5 1/4"*
Correction for Length *+ 3 1/4"*
Allowance for Deck Erections *- 1'- 2"*
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Steel Deck (if required) *- 3 1/2"*
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) † }
Other Corrections (if any)

Winter Freeboard *3'- 11 1/2"*
Summer Freeboard *3'- 4"*
Indian Summer Freeboard *3'- 2 1/2"*
N. A. Winter Freeboard

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ steel deck with side. *+ 13 1/4"*

Winter Freeboard from deck line *4'- 1 1/4"*
Summer " " " *3'- 8 3/4"*
Indian Summer " " " *3'- 4 1/4"*
N. A. Winter " " "

Winter Freeboard from deck line *3'- 8 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.

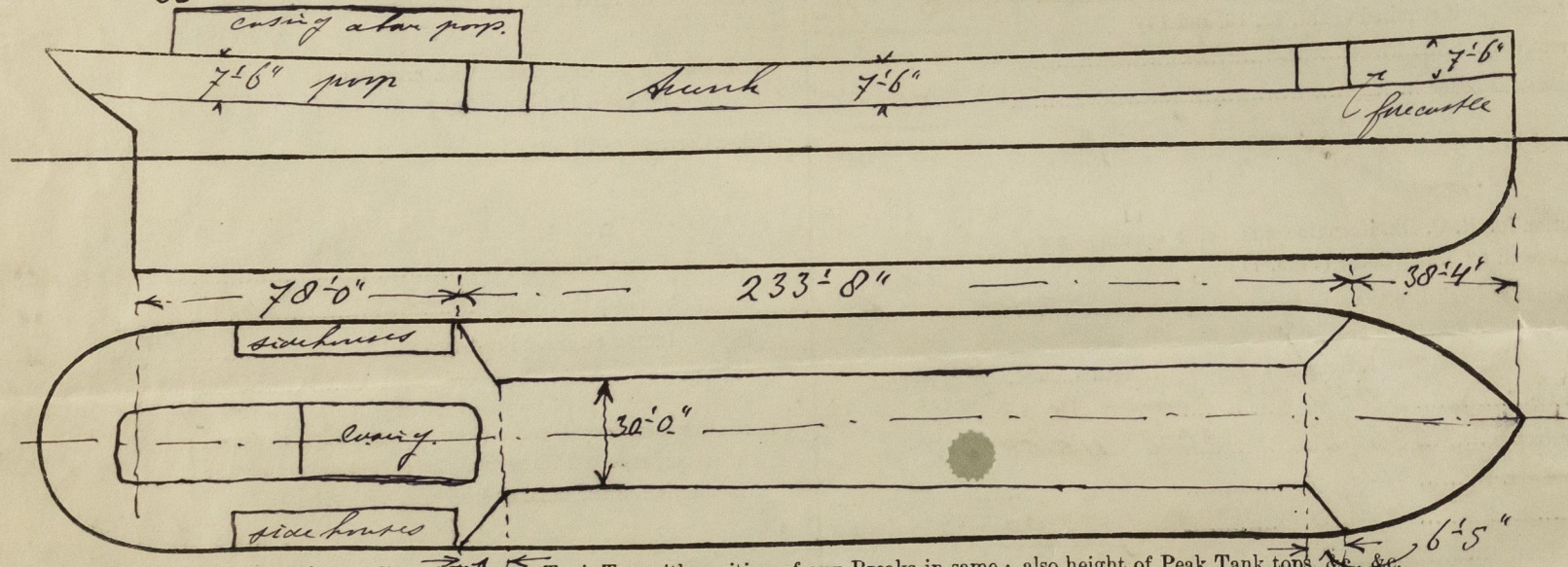
Do all the Frames extend to the top height in the Poop? *Yes as per plan* Raised Quarter Deck? *✓* Bridge House? *✓* Forecastle? *Yes as per plan*
To what height do the Reverse Frames extend? *✓*
Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes from bulk to side as per plan see sketch*
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? *✓* 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? *Yes* Has the Forecastle an efficient Iron Bulk'd. at after end? *Yes from bulk to side as per plan see sketch*
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 a poop*
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 *.34 and .30" Stiffeners 150x70x8" 650" in distance*
What is the height of the exposed Casings? *14'5" above poop deck* Are suitable means provided for closing all openings in them in bad weather? *Yes steel doors*
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:— *Steel with light covers*

Position and Size.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	As requested in Sec. letter M 117-1927									
	Sides.....	Tonnage between the line of the top of the bottom longitudinal									
	Thickness	produced and the top of the ordinary floors forward: 18.3 Reg. Ans.									
SHIFTING BEAMS OR WEB PLATES.	Number.....	Tonnage between the line of the top of the bottom longitudinal									
	Section and Scantlings.....	produced and the top in machinery space: 39.6 Reg. Ans.									
	Material.....	link									
* FORE AND AFTERS.	Number.....	Underdeck tonnage assuming the vessel to be fitted strong									
	Section and Scantlings.....	with ordinary floors of Rule height (20 inches) in conjunction									
	Material.....	with 5 1/2" side frames and the usual ceiling and sparring									
HATCHES Thickness.....		and rise of floor: 32H Register tons (Estimated).									
Remarks.....		See Ref. letter 23/12/27									

* 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.) *3 scuttles on each side*
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. *poor*
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory. *on bulk*
Length of Bulwarks in well *open rail* *✓*
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) = *✓* Sq. ft.
Total deficiency or excess = *✓* Sq. ft.

Transit
 $15.0 \times \frac{40}{50} = 12.0$
 $212.25 \times \frac{30}{50} = 127.35$
 $6.42 \times \frac{40}{50} = 5.13$
 $144.48 \times \frac{8}{10} = 115.58$



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 *The vessel has been constructed in accordance with the approved plans retained in your office for reference*
Builder's name and yard number *Gjessen & Tomen's Scheepswaer*
Names of sister vessels *A proposed subsea has been assigned to the vessel*
Owners *N.V. Maatschappij Stormschip Barendrecht*
Address *Application form will be sent afterwards.*
Fee *120.00*
Received by me *J. H. H. H.*