

## 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 Danzig  
Date of Survey During construction  
Name of Surveyor James C. Dykes

Ship's Name. ELISABETH MÆRSK  
Number in Register Book Suppl. 88722  
Port of Registry and Nationality. Odense Danish  
Official Number. ✓  
Gross Tonnage. ✓  
Date of Build. 1925  
Particulars of Classification. + 100 A1 (Contemplated)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>280.8</u>	<u>40.2</u>	<u>18.8</u>	<u>1682.54</u>
Length on LOADLINE.	<u>280</u>	Frame Depth <u>8½</u> Rule „ <u>5</u> <u>3½</u> <u>-.58</u>	Ceiling <u>fitted</u> Sheer <u>+ .81</u> <u>Level Top</u> <u>To Tank Top</u> <u>19.08</u>	Peak <u>2 Incl</u> Tanks <u>✓</u>
CORRECTED DIMENSIONS.	<u>280.0</u>	<u>39.62</u>	<u>19.89</u>	<u>1682.52</u>

Co-efficient of fineness..... .763  
Any modification necessary }  
[Para. 4 (a) to (e)]\* }  
Co-efficient as corrected ..... .74

Sheer { Stem..... 88.9 } 134.1 ÷ 2 = 67.05 ... Mean  
at { Sternpost ... 45.2 }  
Sheer at  $\frac{1}{8}$  of the length from { Stem 49.3 } 73.8 ÷ 2 = 36.9 ... Mean  
Sternpost 24.5 }  
Gradual mean Sheer ..... 67.07  
Standard mean Sheer [Table, Para. 18] ..... 38.00 Correction  
Difference..... 39.07 ÷ 4 = 7.26  
§ If limited as Para. 18 (f) ..... - 7¼"

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..... 1.7  
Correction for Length, if required (Para. 12, 13, and 14) ..... + 1½  
Freeboard by Table A, corrected for sheer, and for length, }  
if required (Para. 12, 13, and 14) } 3.10  
Difference ..... 2.1½  
Percentage as below..... 31.58%  
8.05

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }  
Allowance for Deck Erections ..... - 8"

	Length.	Length allowed.	Height.
Forecastle.....	<u>32.16' + 3.0'</u>	<u>35.08</u>	<u>7.5'</u>
Bridge House .....	<u>74.16' + 2.0'</u>	<u>76.66</u>	<u>7.5'</u>
† Raised Qr. Dk.....	<u>overhang east end.</u>	<u>✓</u>	<u>✓</u>
Poop.....	<u>26.58'</u>	<u>26.58</u>	<u>7.5'</u>
Total .....	<u>139.9</u>	<u>138.32</u>	<u>49.4</u>
Length of Ship .....	<u>280.0</u>	<u>280.0</u>	

Corresponding percentage }  
(Para. 11, 12, 13, or 14) } 31.58%

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 „ „ „ .....

12 MAY 1925

\* 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..... 21' 4"  
Addition for Keel below base line for draught record..... 1¾ 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..... 280.0  
Length in Table ..... 256.0  
Difference ..... 24.0  
Correction for 10ft., Table A. .... 1.2 Table C. .6  
× Difference divided by 10 ..... 2.88 (if required.) 1.44  
If  $\frac{1}{10}$ ths length covered divide by 2 + 3" + 1½"

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... .494  
Thickness of usual wood deck, less stringer ..... 3½" - 1¾"

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 39.50'  
Round of Beam ..... 9.45"  
Normal round..... 9.87  
Difference ..... .42 ÷ 2 = .21  
Proportion of Deck uncovered (Para. 19) ..... .5

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

Freeboard, Table A ..... 4" 2¼  
Correction for Sheer ..... - 4¼  
Correction for Length ..... + 3" 7  
Allowance for Deck Erections ..... - 8  
Correction for Round of Beam..... ✓  
Correction for fall in Sheer (if any)..... ✓  
Correction for Iron Deck (if required) ..... - 1¾  
Additions for non-compliance with provisions of }  
Para. 11 (d) and (e) † }  
Other Corrections (if any) ..... ✓

Winter Freeboard ..... 3" 0¼  
Summer Freeboard ..... 3 2" 9¼  
Indian Summer Freeboard ..... 2" 6¼  
N. A. Winter Freeboard ..... 3" 2¼  
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. + 1½

Winter Freeboard from deck line ..... 3" 1¾  
Summer „ „ „ „ ..... 2" 10¾  
Indian Summer „ „ „ „ ..... 2" 7¾  
N. A. Winter „ „ „ „ ..... 3" 3¾  
..... 2" 10½  
..... 4½  
..... 3  
..... 3  
..... 5"

† 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.

1st 4 frames from forward & from aft to top height. Remained to upper & Bridge decks alternately.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*

To what height do the Reverse Frames extend? *Bull angle 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 *1 w.t. steel hinged door to tunnel escape. 2 openings closed by shifting boards fitted in channels to top & bottom (Class A)*

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 *2 w.t. steel hinged doors.*

What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.39*

Give scantlings and spacing of the Stiffeners *7/2 x 3 x .54 B.A. from 24 to 26 inches 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? *1 opening to lamp room closed by steel hinged door with lock. 2 openings closed by portable plates secured by vertical channel strong backs (see sketch sent with Free Rep on 'Johannes')*

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? *Covered by Bridge*

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

What is the height of the exposed Casings? *Yes* 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.		ON UPPER DECK No 1: 20'-0" x 16'-0"		ON UPPER DECK Nos 2 & 4: 26'-0" x 17'-0"		ON UPPER DECK UNDER BRIDGE No 3: 10'-0" x 14'-1 1/2"		ON UPPER DECK No 5: 20'-0" x 17'-0"		ON POOP DECK No 6: 8'-0" x 5'-10"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	4 1/2"		4 1/2"		14"		4 1/2"		3 1/2"	
	Thickness Sides	.46"		.46"		.40"		.44"		.32"	
	Thickness Ends	.44"		.46"		.40"		.46"		.32"	
SHIFTING BEAMS OR WEB PLATES.	Number	Four		Five				Four			
	Section and Scantlings	Plate 12 1/4 x .32		Plate 14 x .34				Plate 13 1/4 x .34			
	Material	3 1/2 x 3 x .40 o.a. double top & bottom		3 1/2 x 3 x .45 o.a. double top & bottom				3 1/2 x 3 x .45 o.a. double top & bottom			
* FORE AND AFTERS.	Number					In centre: Middle line bulkhead to top height of coaming fitted with double 3 1/2 x 3 x .40 o.a. at top					
	Section and Scantlings					At side: 2 pitch plate fore & aft 8 1/2 x 7 1/2"					
	Material										
HATCHES	Thickness	3"		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.) *no side height below upper deck*

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? *.54* Strake between Main and Bridge Sheerstrakes? *.54*

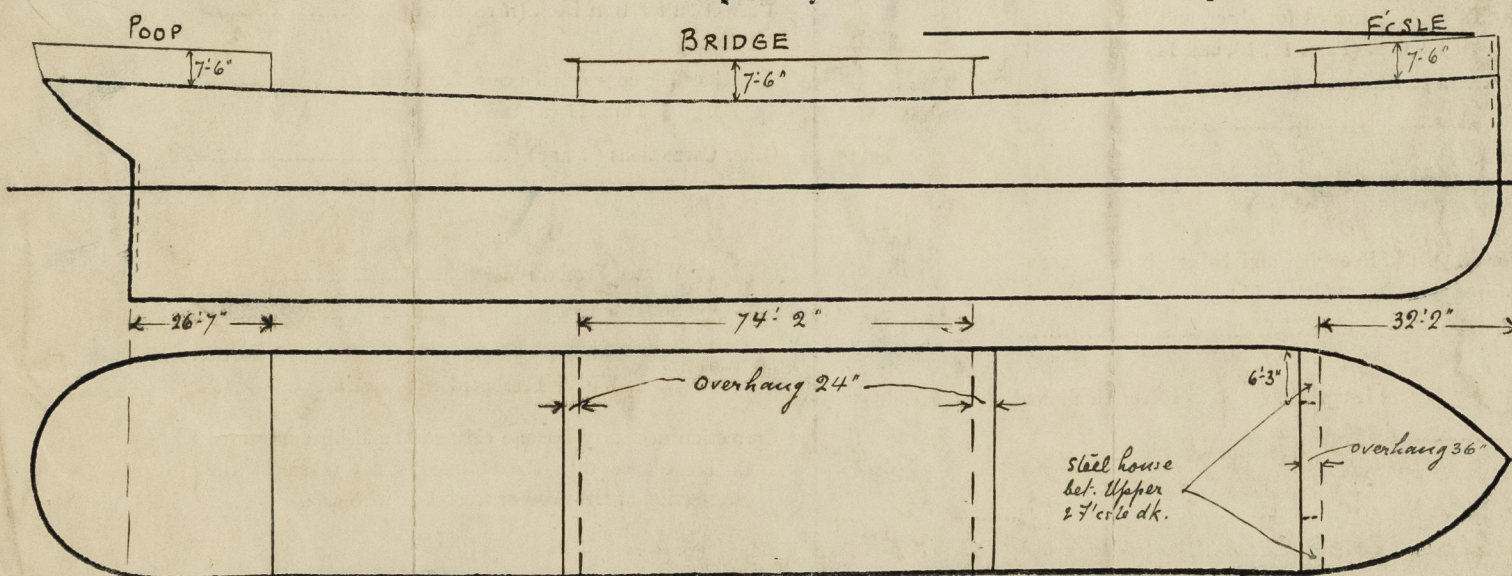
Delete the words *The Crew are, are not, berthed in the bridge house.*  
that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

Length of Bulwarks in well *Forward 68'-6" Aft 75'-7"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel *3.78 sq. ft. = 5.57%*

	Ft.	Tenths.	Ft.	Tenths.	No.		Sq. ft.
Forward	3.	3	1.	9	3	Freeing Ports (each side of vessel) = 37.62	Sq. ft. 18.81 each well
Aft	3.	3	1.	9	3		

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 *Messrs F. Schichau's No 1156*

Names of sister vessels *Messrs F. Schichau's No 1154 (Johannes Maersk), No 1155 (Cornelia Maersk) & No 1157*

Owners *A. P. Møller, Copenhagen.*

NOTE: Tonnages & Reg. Dimensions not yet available, same will be wired direct to London by Owners.

Freeboard assignment is requested to be sent by cable to Daring Office. *J.C.D.*

Fee £ will be charged as per circular 1352 when gross tonnage is obtained.

Received by me

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