

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 Genoa
Date of Survey March 1929
Name of Surveyor James S. O'Connell

M.S. Ship's Name. MESSICO BX VEJO Port of Registry and Nationality. GENOA ITALIAN Official Number. Gross Tonnage. 6482.22 Date of Build. 1921 Particulars of Classification. 100A - WITH FREEBOARD (CONTEMPLATED)

Registered dimensions from Ship's Register.	LENGTH. <u>119.75 M.</u> = 392.78	BREADTH. <u>15.74 M.</u> = 51.64 FT.	DEPTH. <u>10.63 M.</u> = 34.87 FT.	UNDER DECK TONNAGE. <u>5898.54</u>
Length on LOADLINE.	<u>378.0 FT.</u>	MEAN Frame Depth Rule <u>76.5</u> $\frac{4 \times 2}{12} = .67$ SPAR CEILING FITTED	IN DECKS HOLDS Ceiling + <u>15</u> Sheer + <u>4.45</u> Tank + <u>1.32</u> Total <u>35.2</u>	Peak Tanks <input checked="" type="checkbox"/>
CORRECTED DIMENSIONS.	<u>378.0</u>	<u>50.97</u>	<u>36.47</u>	<u>5898.54</u>

Moulded Depth as measured 37'-9 1/2"
mean thickness of wood deck 2"
~~PART WOOD SCAFFOLD~~ - 1 1/2"
Addition for Keel below base line for draught record 1 1/2 inches.

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

37-9 1/2
1-0 1/2
38-10 1/2
3-7 3/4
35-2 3/4

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 378.0 FEET
Length in Table 452.25
Difference 74.25
Correction for 10ft., Table A. 7.425 x 1.7 Table C.
x Difference divided by 10 12.58 (if required.)
If 1/10ths length covered divide by 2 = 1.07 - 1'-0 1/2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered MOULDED DEPTH CORRECTED
Thickness of usual wood deck, less stringer

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 51.5 feet
Round of Beam 12.8
Normal round..... 12.9
Difference1 ÷ 2 =05
Proportion of Deck uncovered (Para. 19)

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

Freeboard, Table A 11'-0" 10-11
Correction for Sheer - 1'-0 5/8
9-11 3/8 10-5
Correction for Length - 1'-0 7/8
8-10 3/4 9-1 1/2

Correction for Steel Deck (if required) part wood sheathing on steel deck
For 3" wood deck amidships (mean thickness 2")
Additions for non-compliance with provisions of Para. 11 (d) and (e) † + 1
9-5 1/2
Other Corrections (if any) for reduced draught
for scantlings & correction to the approved summer moulded draught of 27-5
2-1-9
11-2 1/2

Winter Freeboard 10-11 3/4 11-2 1/2
Summer Freeboard 6 3/4 10-5 7 3/4
Indian Summer Freeboard 10-1
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 1 3/4"

Winter Freeboard from deck line 11-4 1/4
Summer " " " " 10-6 1/2 9 1/2
Indian Summer " " " " 10-2 3/4
N.A. Winter " " " " 10-3 1/2 10-6 1/2 9 1/2
Fresh Water Line above centre of Disc 7"
Indian Summer Line " " " " 7"
Winter Line below " " " " 6 1/2
Winter North Atlantic Line " " " " 6 1/2

Co-efficient of fineness..... .84 → .828
Any modification necessary [Para. 4 (a) to (e)]*02 D.B.
Co-efficient as corrected82 → .81

Sheer at Stem..... 115
at Sternpost..... 74.79
 $\frac{189.1}{4} = 47.275$
 $\frac{94.5}{2} = 47.25$
Mean Sheer 47.26

Sheer at 1/3 of the length from Stem..... 66.704
Sternpost..... 39.974
 $\frac{105}{2} = 52.5$
Mean Sheer 52.5

Gradual mean Sheer 47.80
Standard mean Sheer [Table, Para. 18] 47.80
Difference..... 47.17 ÷ 4 = 11.79
§ If limited as Para. 18 (f) 47.8 ÷ 4 = 11.95
- 12 5/8 - 6"

x sheers as verified see Genoa Letter. 20.7.29.

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

Fall in Sheer [Para. 18 (d)]
÷ 2 =
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14)
Difference
Percentage as below.....

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

	Length.	Length allowed.	Height.
Forecastle.....			
Bridge House.....	<u>FLUSH</u>	<u>DECK</u>	
† Raised Qr. Dk.....			
Poop.....			
Total			
Length of Ship			
Corresponding percentage (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 7"
Indian Summer Line " " " " 7"
Winter Line below " " " " 6 1/2
Winter North Atlantic Line " " " " 6 1/2

27 MAR 1929

† 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 stern-post. 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.

W1302-0239
W1302-0240
© 2008
Lloyd's Register Foundation

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? **CHANNEL FRAMING IN HOLD & ANGLE FRAMES IN TWEENDECK EV. FR. TO UPPER DECK**

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

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? 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? **No.**

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. **PLATING .32 INS. UPPER & LOWER COAMINGS .42 INS. STIFFERS 3/2 x 3/2 x .45 INS. SPACED 27 INS**

What is the height of the exposed Casings? **7'-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.	FORWARD 20'-3" x 14'-6" (No. 1)		27'-0" x 19'-7" (No. 2)		11'-3" x 9'-10" (No. 3)		27'-0" x 19'-7" (No. 4)		11'-3" x 19'-7" (No. 5)	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	ABOVE STEEL DECK 25" SIDE, 26" C&L.		AS NO 1		ABOVE WOOD DECK 22" SIDE 24" C&L.		ABOVE WOOD DECK 20 1/2" SIDE 23" C&L.		ABOVE WOOD DECK 20 1/2" SIDE 23" C&L.	
	Sides..... .44 INS.		.46 INS.		.46 INS.		.46 INS.		.43 INS.	
Thickness	Ends.....		.46		.43		.43 INS.		.43 INS.	
	Number..... 3		4		NONE		4		1	
SHIFTING BEAMS OR WEB PLATES.	Section and Scantlings..... 7 1/2" x 17 x 38		AS NO 1 H'WAY		NONE		7 1/2" x 16 1/2 x 40		AS NO 4 H'WAY	
	Material..... ANGLES 3 1/2 x 3 1/2 x 43" STEEL						ANGLES 3 1/2 x 3 1/2 x 43" STEEL			
* FORE AND AFTERS.	Number.....		NONE		1		NONE		NONE	
	Section and Scantlings.....		NONE		7 1/2" x 9" x 40		NONE		NONE	
HATCHES Thickness	Material.....		NONE		ANGLES 3 x 2 x 38" STEEL		NONE		NONE	
	Remarks..... 2 3/4" SOLID PINE		AS NO 1 H'WAY		AS NO 1 H'WAY		AS NO 1 H'WAY		AS NO 1 H'WAY	

* 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? _____

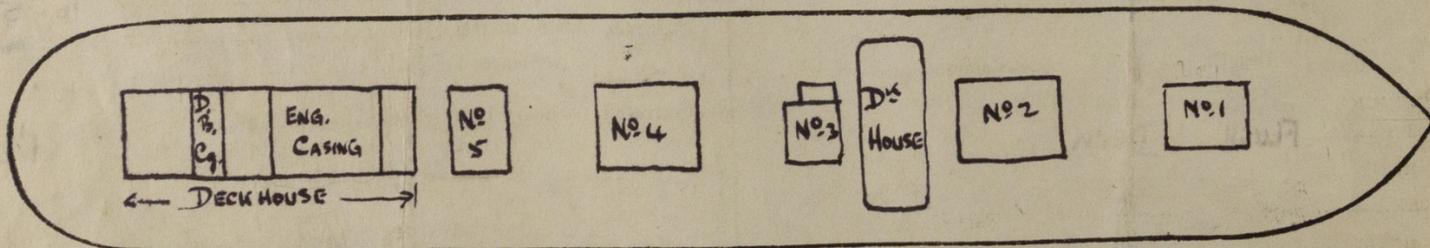
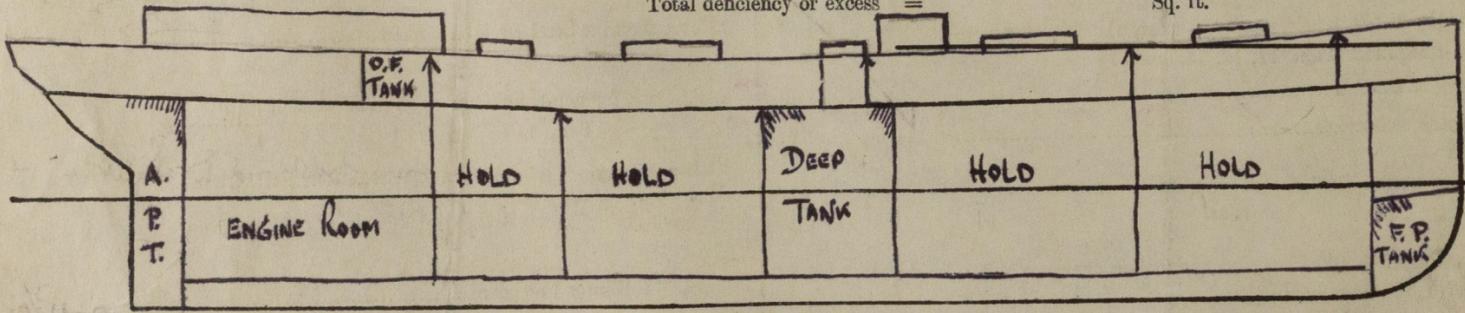
Delete the words { The Crew are, are not, berthed in the bridge house. that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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 (each side of vessel) = _____ 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 **NONE.**

Builder's name and yard number _____

Names of sister vessels _____

Owners _____

Address _____

Fee £ _____

Received by me _____