

Lloyd's Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD. STEAM SHIPS.

16403

22890

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 Yamouk
Date of Survey While Building
Name of Surveyor J. Amis Craig

VIDA 305

Ship's Name. SS "COLUSA"
Port of Registry and Nationality San Francisco, U.S.A.
Official Number. 135202
Gross Tonnage. 5732
Date of Build. 1913
Particulars of Classification. +100 AL. LONGITUDINAL FRAMING.
Number in Register Book Yard No 238
(Continued)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>408.00</u>	<u>55.20</u>	<u>26.80</u>	<u>4894.29</u>
Length on LOADLINE.	<u>404.45</u>	Frame-Depth <u>8 1/2</u> Ceiling <u>7 1/2</u> Peak	Rule <u>6 1/2</u> Sheer <u>+1.29</u> Tanks	
		<u>-3 1/2</u>		
		<u>-42</u>		
CORRECTED DIMENSIONS.	<u>404.45</u>	<u>54.84</u>	<u>28.09</u>	<u>4894.29</u>

Co-efficient of fineness..... .448
Any modification necessary }
[Para. 4 (a) to (e)]* } -0.18 In Cellular Double Bottom
Co-efficient as corrected46Sheer { Stem..... 116 } 195 ÷ 2 = 96.5 Mean 97.27
at { Sternpost ... 74 } 50.77
Sheer at 1/2 of the length from { Stem 63.5 } 104.0 ÷ 2 = 53.5 Mean
{ Sternpost 48.5 } 36.50
Gradual mean Sheer 96.5 + 92.24 = 96.88 ÷ 55 = 97.27
Standard mean Sheer [Table, Para. 18] 50.44 Correction
Difference..... 46.11 ÷ 4 = -11 1/2
§ If limited as Para. 18 (f)..... 11.53Rise in Sheer { At front of bridge house.....
from amidships { At after end of forecastle
[Para. 18 (e)]
Fall in Sheer {
Para. 18 (d) } ÷ 2 =
Length uncovered CorrectionALLOWANCE FOR DECK ERECTIONS :—
Freeboard, Table C..... 4-0.33
Correction for Length, if required (Para. 12, 13, and 14) 4-0 1/4
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 4-4.37
Difference 6-11 1/4
Percentage as below..... 2-4
31.91%
9.86Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)
Allowance for Deck Erections 9.89 = 244-10

Length.	Length allowed.	Height.
Forecastle..... <u>40.45</u>	<u>40.45</u>	<u>9-2</u>
Bridge House <u>128.73</u>	<u>124.69</u>	<u>9-0</u>
+ Raised Qr. Dk.....		
Poop..... <u>35.25</u>	<u>35.25</u>	<u>9-0</u>
Total <u>204.43</u>	<u>200.39</u>	<u>4988</u>
Length of Ship <u>404.45</u>		
Corresponding percentage { (Para. 11, 12, 13, or 14) } <u>31.91%</u>		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :—
Fresh Water Line above centre of Disc
Indian Summer Line " " " "
Winter Line below " " " "
Winter North Atlantic Line " " " "Moulded Depth as measured..... 29-2

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..... 404.45
Length in Table 350.00
Difference 54.45
Correction for 10ft., Table A. 1.5 Table C. 54.45
× Difference divided by 10 8.66 (if required.) 4042
If 1/10ths length covered divide by 2 + 8 3/4 + 4

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered501
Thickness of usual wood deck, less stringer 3 1/2
3.54 = 1.77 Correction - 1 1/4

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships..... 54-5
Round of Beam 13 1/2
Normal round..... 13 1/2
Difference ÷ 2 =
Proportion of Deck uncovered (Para. 19)Freeboard, Table A 4-2.16 * 4-2
Correction for Sheer 6-2.63 6-2 1/2
Correction for Length 8.66 * 8 3/4
Allowance for Deck Erections 6-11.29 6-11 1/4
Correction for Round of Beam..... 6-1.43 6-1 1/4
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) 1.44 1 1/4
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) }
Other Corrections (if any)Winter Freeboard 5-11 1/2
Summer Freeboard 5-6 3/4
Indian Summer Freeboard 5-1
N. A. Winter FreeboardCorrection necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. + 1 1/4Winter Freeboard from deck line 6-1 1/4
Summer " " " " 5-8
Indian Summer " " " " 5-2 3/4
N. A. Winter " " " "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.The approved sketches of mid & longitudinal sections along with a plan of the vessel's hull and report form are forwarded herewith. 12/3/13MARKING FORM
10/13/13

W508-0058

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? *Longitudinal Division of plating*
 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 *Sliding boards fitted full height in channels riveted to bulkhead*
 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 *Sliding doors*
 What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*
 Give scantlings and spacing of the Stiffeners *Built Angle 10 x 3 1/2 x 5 spaced 24 in*
 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? *Sliding boards fitted full height in channels riveted to bulkhead*
 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 open*
 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?
 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?
 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.		N ^o 1. 24' 2" x 18' 4 1/2" x 34'		N ^o 2. 36' 0 1/2" x 18' 4 1/2" x 34'		N ^o 3. 36' 1 1/2" x 18' 4 1/2" x 34'		N ^o 4. 24' 1" x 18' 4 1/2" x 34'			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	34	34	34	34	34	34	34	34		
	Sides.....	64	46	64	50	64	50	64	46		
	Ends.....	60	40	60	40	60	40	60	40		
SHIPPING BEAMS OR WEB PLATES.	Number.....	1 web		2 webs		2 webs		1 web			
	Section and Scantlings.....	4 skeleton	D ^o	6 skeleton	D ^o	6 skeleton	D ^o	4 skeleton	D ^o		
	Material.....	webs.		webs.		webs.		webs.			
* FORE AND AFTERS	Number.....										
	Section and Scantlings.....										
	Material.....										
HATCHES Thickness.....		3	3	3	3	3	3	3	3		
Remarks.....											

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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?

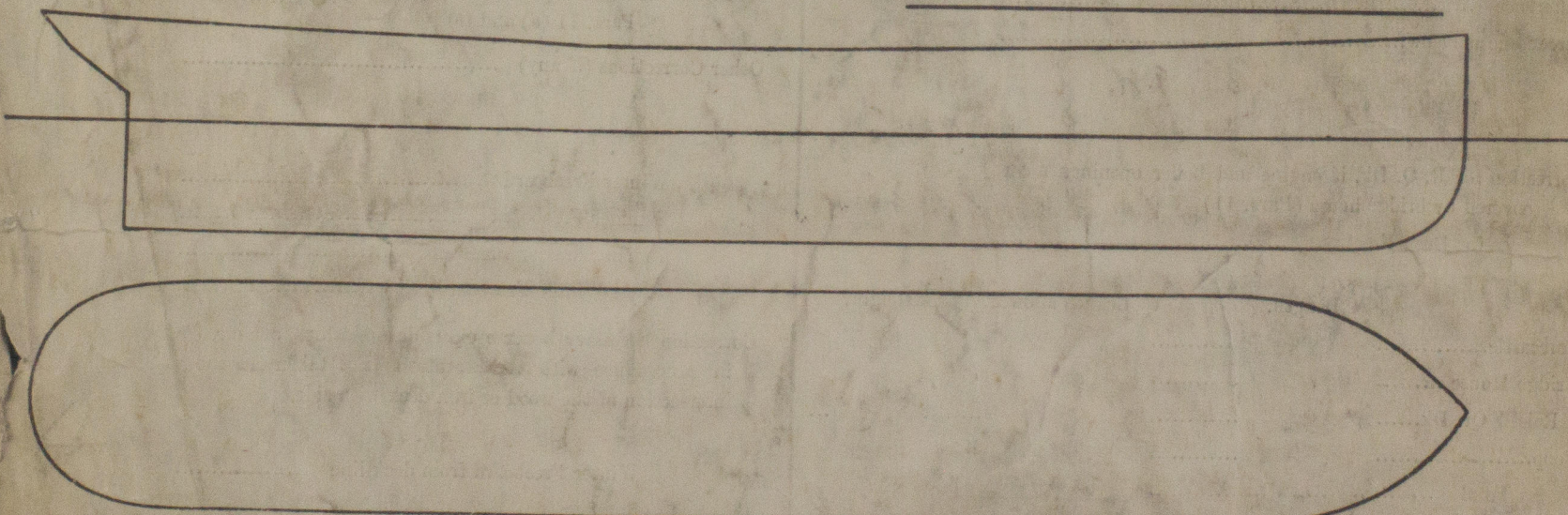
Delete the words { The Crew are, are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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.
x		x				
x		x				

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.

Owners

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