

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS. 9747

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 *Belfast.*  
Date of Survey *While Building.*  
Name of Surveyor *Walker Lang.*

*Harland & Wolff Ltd 793*

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
"COTEA"	<i>London British</i>	<i>149846</i>		<i>1927</i>	<i>#100A1 with freeboard contemplated</i>

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>305.7</i>	<i>50.25</i>	<i>14.3</i>	<i>1742.33</i>
Length on LOADLINE.	<i>305.</i>	Frame Depth Rule <i>6" 5" 2x 1" - 17. No sparring - 33.</i>	Ceiling + .2 Sheer - .96	Peak Tanks } <i>Incl. +5 tons for deep floor in Machinery Space</i>
CORRECTED DIMENSIONS.	<i>305.</i>	<i>50.41</i>	<i>13.54</i>	<i>1747.33</i>

Moulded Depth as measured..... *15'-0"*

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.....	<i>305.</i>
Length in Table .....	<i>180</i>
Difference .....	<i>125.</i>
Correction for 10ft., Table A. ....	<i>1.0</i> Table C.
x Difference divided by 10 .....	<i>12.5</i> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<i>6.25.</i>

*+ 6 1/4"*

CORRECTION FOR IRON DECK. *Poop Bulkhead*

Proportion covered, if less than $\frac{1}{10}$ ths length covered ....	<i>.794</i> <i>.704</i>
Thickness of usual wood deck, less stringer .....	<i>- 3 1/2"</i>

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.....	<i>50'-0"</i>
Round of Beam .....	<i>12"</i>
Normal round.....	<i>12 1/2"</i>
Difference .....	<i>1/2"</i> $\div 2 =$ <i>1/4"</i>
Proportion of Deck uncovered (Para. 19) .....	<i>.28</i>

Co-efficient of fineness..... *.84*  
Any modification necessary }  
[Para. 4 (a) to (e)]\* }  
Co-efficient as corrected ..... *.82* *Highest in Table*

Sheer { Stem..... *15"* } *27"*  $\div 2 =$  *13 1/2"* ...Mean  
at { Sternpost ... *12"* }  
  
Sheer at  $\frac{1}{2}$  of the length from { Stem *3 1/2"* } *5"*  $\div 2 =$  *2 1/2"* ...Mean  
Sternpost *1 1/2"* }  
  
Gradual mean Sheer ..... *5.87*  
Standard mean Sheer [Table, Para. 18] ..... *10.50* Correction  
Difference..... *34.63*  $\div 4 =$  *8.66*  
§ If limited as Para. 18 (f)..... *+ 8 3/4"*  
*5.87 Mean End Sheer*

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

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... *0'-7 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) }  
Difference ..... *3'-3 3/4"*  
Percentage as below..... *44.1%*  
*- 1'-2 1/4"*  
  
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.....	<i>34.4</i>	<i>34.4</i>	<i>7.0</i>
Bridge House			
<i>Longe Bulk 204x 50x 8</i>		<i>94.65</i>	<i>7.0</i>
<i>Raised Q. Dk.</i>		<i>66.6</i>	<i>7.0</i>
Poop.....	<i>66.6</i>		
Total .....		<i>195.65</i>	<i>.641</i>
Length of Ship .....	<i>305.</i>		

Corresponding percentage {  
(Para. 12, 13, and 14) } *44.1%*

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	" " "	...

Freeboard, Table A ..... *2'-7"*  
Correction for Sheer ..... *+ 8 3/4"*  
*3'-3 3/4"*  
*+ 6 1/4"*  
*3 - 10*  
*- 1 - 2 1/4"*  
*2' - 7 3/4"*  
  
Correction for Round of Beam.....  
  
Correction for fall in Sheer (if any).....  
  
Correction for *Steel* Iron Deck (if required) ..... *- 3 1/2"*  
*2' - 4 1/4"*  
  
Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) }  
  
Other Corrections (if any) *To correspond to Moulded draught of 11'-0" Summer* } *+ 1'-9 1/2"*  
*4' - 1 3/4"*  
  
Winter Freeboard ..... *4' - 1 3/4"*  
Summer Freeboard ..... *1 1/2"* *4' - 0 1/4"*  
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 *steel* wood or iron deck with side. *as fixed by B.T. Sur.*

Winter Freeboard from deck line .....  
Summer " " " .....  
*Indian Summer* " " " .....  
*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 stern.  
§ In vessels having poops and forecastles, it means the sheer measured at points distant one-third of the length from the stem and stern.

† State dimensions of freeing port area.  
‡ The Surveyor should state whether the line of keel or to the water line. If measured from the keel, the usual load draft forward survey, and also the usual load draft forward.

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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House? *✓* Forecastle? *Yes*  
 To what height do the Reverse Frames extend? *B.A. Frames throughout.*  
 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 *Wood weather boards full height in riveted channels*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *to Forecastle* 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 or Wood~~ *Steel* Bulk'd. at after end? *Yes*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised *Yes*  
~~Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?~~  
 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? *✓* 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:— *Oil Tight covers.*

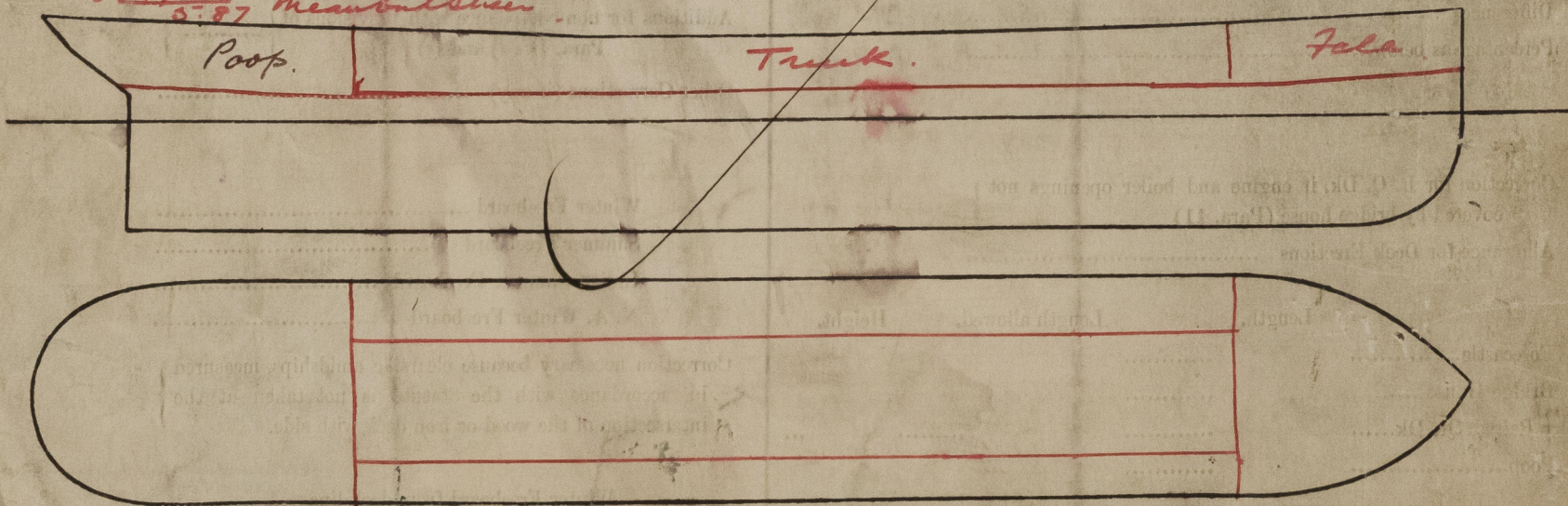
Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
Item.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
COAMING.	Height above top of DECK																				
	Thickness { Sides.....																				
	Ends.....																				
SHIFTING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

\* 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.

*Sheer*  
 F. 15.0 What is the thickness of the Bridge Sheerstrake? *15.0* Strake between Main and Bridge Sheerstrakes?  
 1/8 3.5 4 14.0 Delete the words { The Crew are, are not, berthed in the bridge house.  
 1/4 - 2 - that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.  
 3/8 - 4 - Length of Bulwarks in well  
 1/2 - 2 - Area of Freeing Ports required by Para. 11 (e) each side of vessel = Sq. ft.  
 5/8 - 4 - Ft. Tenths. Ft. Tenths. No. } Freeing Ports = Sq. ft.  
 3/4 - 2 - (each side of vessel)  
 7/8 1.5 4 6.0 } Total deficiency or excess = Sq. ft.  
 A. 12.0 1 12.0  
 8 147.0 mean bulwark sheer



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

Stat. atures in the construction of the Vessel *Sister Vessel to the T.S.S. "Inverlago" etc. and*  
 Builder's name *Reports Nos 9301, 9314, 9340, 9360 and 9746.*  
 Names of sister  
 Owners *Argo Shipping Co Ltd (Awar 100 mgrs)*  
 Address  
 Fee £  
 Received by me *See F.B. Rpt.*



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