

Preliminary 27528

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 MIDDLESBROUGH
Date of Survey During Conversion
Name of Surveyor T.A. Brydon.

ASTRA
BT COPY WRITTEN
ex Peruviana

measured with
filled

Ship's Name MODUM
Port of Registry and Nationality London British
Official Number 147532
Gross Tonnage Final particulars not yet to hand. 4470.89
Date of Build 1921
Particulars of Classification 100 A.1. (contingent) carrying homogeneous cargo of Petroleum in Bulk.

Table with columns: Registered dimensions from Ship's Register, LENGTH, BREADTH, DEPTH, UNDER DECK TONNAGE. Values: 355.0, 50.95, 24.95, 3733.53.

Co-efficient of fineness .81
Any modification necessary [Para. 4 (a) to (e)]\* -.02 (C.O.B)
Co-efficient as corrected .79

Sheer at Sternpost 162 1/4 / 2 = 81.12 Mean
Sheer at 1/3 of the length from Sternpost 89 / 2 = 44.5 Mean
Gradual mean Sheer 80.91
Standard mean Sheer [Table, Para. 18] 45.46
Difference 35.45 / 4 = 8.86

Rise in Sheer from amidships [Para. 18 (e)] At front of bridge house
Fall in Sheer [Para. 18 (d)] Lowest point of sheer is Amidships
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS: Freeboard, Table C 41.58 3.5 1/2
Correction for Length, if required (Para. 12, 13, and 14) 69.81 10
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 5.9 3/4
Difference 28.23 2.4 1/2
Percentage as below 52.3%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 3
Allowance for Deck Erections - 1.2 3/4

Table with columns: Length, Length allowed, Height. Rows: Forecastle, Bridge House, Raised Qr. Dk., Poop, Total.

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck: Fresh Water Line, Indian Summer Line, Winter Line, Winter North Atlantic Line.

Moulded Depth as measured 27.4
Addition for Keel below base line for draught record inches.

CORRECTION FOR LENGTH. Length of Ship on Loadline 354.58, Length in Table 328, Difference 26.58, Correction for 10ft., Table A 1.4, Table C 3.42, If 1/10ths length covered divide by 2 1.86 + 1 3/4

CORRECTION FOR IRON DECK. Proportion covered, if less than 1/10ths length covered .723
Thickness of usual wood deck, less stringer - 3 1/2

CORRECTION FOR ROUND OF BEAM. Breadth at Gunwale amidships 49, Round of Beam 12 1/2, Normal round 12 1/4, Difference / 2 =

Freeboard, Table A 78.67 6.6 3/4
Correction for Sheer - 8.86 98 3/4
Correction for Length + 1.86 1 3/4
Allowance for Deck Erections 14.76 5.11 3/4
Correction for Round of Beam 56.91 4.8 3/4

Correction for Iron Deck (if required) 3.5 3 1/2
Additions for non-compliance with provisions of Para. 11 (d) and (e) 4.5 1/2
Other Corrections (if any)

Winter Freeboard 53.41 4.5 1/2
Summer Freeboard 5.08 5 48.33 4.0 1/4
Indian Summer Freeboard 3.7 3.7 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 or iron deck with side. 1 3/4

Table with columns: Winter Freeboard from deck line, Summer, Indian Summer, N.A. Winter. Values: 4.4, 4.2, 3.9, 4.2

If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

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.

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? *Bulk Angle frames fitted.*  
 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 *No Openings.*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *By trunk only.* Has the Bridge House an efficient Bulkhead at the fore end? *Yes.*  
 Give particulars of the means for closing the openings in Bulkhead *Two hinged steel doors. To be fitted on the Dyne.*  
 What is the thickness of the Bridge Front plating? *40 in.* and Coaming plate? *44 in.*  
 Give scantlings and spacing of the Stiffeners *8 x 3 1/2 x .64 bulk angles spaced 30" 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? *Storm boards in permanent channels riveted to bulkhead To be fitted on the Dyne.*  
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes.* Has the Forecastle an efficient <sup>steel</sup> 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? *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?  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:— *Expansion trunk fitted between Forecastle & Bridge between Bridge & Poop, as approved.*

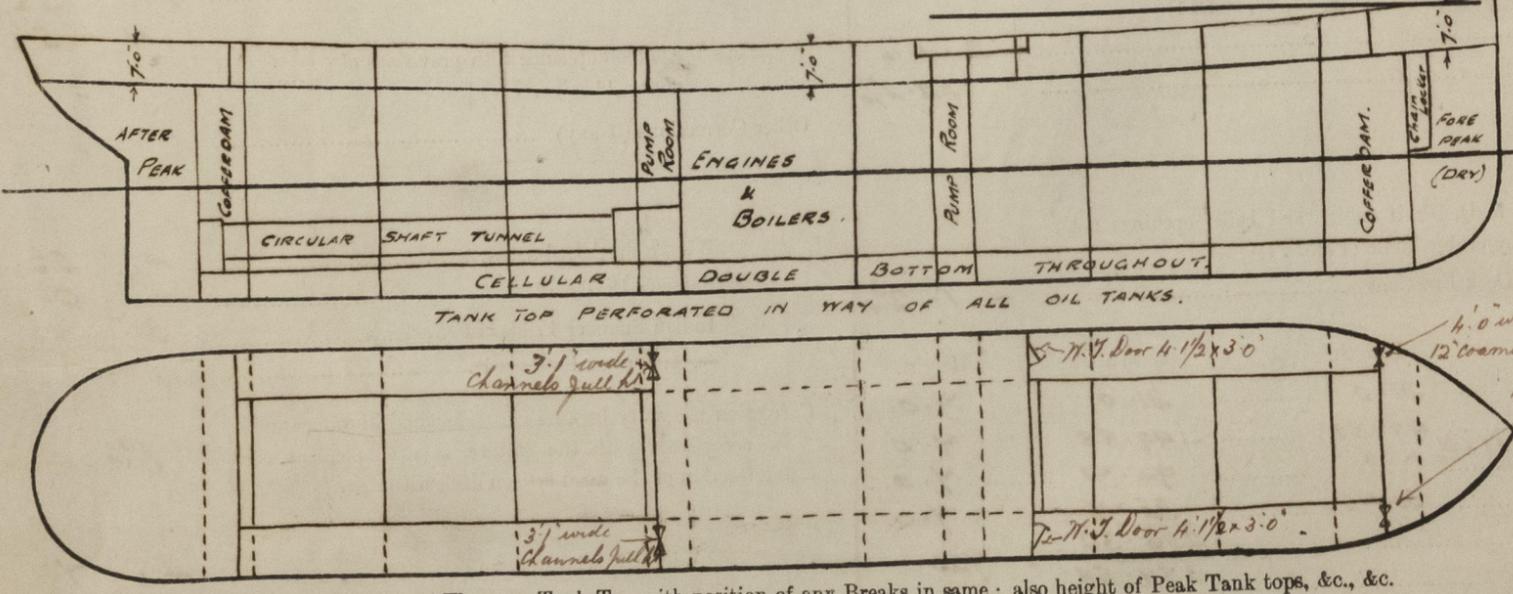
Position and Size.		TRUNK 30'0" WIDE									
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
TRUNK COAMING	Height above top of DECK	4'0"									
	Thickness	Sides .40 Top .38									
STIFFENERS	Number	25 1/2' apart									
	Section and Scantlings	6 x 3 x .40 on sides 6 x 3 x .35 on top plating			Two webs in each tank on tank side 2 1/2" x 40" with 3" flange.						
	Material	Steel angles									
* FORE AND AFTERS.	Number	Centre line bulkhead									
	Section and Scantlings	✓									
	Material	✓									
HATCHES	Thickness	✓									
	Remarks	✓									

*Small oil light-hatches on trunk deck*

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

Length of Bulwarks in well \_\_\_\_\_ Sq. ft.  
 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 *See Secretary's letter M. 17.11.20 and letter attached.*

Owners \_\_\_\_\_  
 „ Address \_\_\_\_\_

Fee £ 10 : 0 : 0. Received by me \_\_\_\_\_