

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

20209

B.T. COPY WRITTEN

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 Newport, Mon.
Date of Survey 30th Aug. & 7th Sept. 1921
Name of Surveyor S.T. Bryden

Cynthiana
Ship's Name
Mosmouth 813. Co's No. 375 ship.

Number in Register Book	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>✓</u>	<u>British</u>	<u>147534</u>	<u>?</u>	<u>1921</u>	<u>100 A1 Carrying petroleum in bulk (contemplated).</u>

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>331.0</u>	<u>46.80</u>	<u>23.20</u>	<u>2851.48</u>
Length on LOADLINE.	<u>330.62</u>	Frame Depth <u>9</u> Rule " <u>5 1/2</u> <u>2 x 3 1/2</u> <u>= .58</u> <u>No. 8 paring + .33</u>	Ceiling <u>+ .20</u> Sheer <u>+ .87</u> <u>Keel tank</u>	Peak Tanks <u>Incl. 0</u>
CORRECTED DIMENSIONS.	<u>330.62</u>	<u>46.55</u>	<u>24.27</u>	<u>2851.48</u>

Moulded Depth as measured..... 25'-6"

Addition for Keel below base line for draught record..... 2.....inches.

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

Co-efficient of fineness..... .763

Any modification necessary [Para. 4 (a) to (e)]* - .02 cd. B.

Co-efficient as corrected..... .74

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>330.62</u>
Length in Table	<u>306.0</u>
Difference	<u>24.62</u>
Correction for 10ft., Table A.	<u>1.3</u>
× Difference divided by 10	<u>3.2</u>
If 1/10ths length covered divide by 2	<u>1.6</u>

+ 1 1/2"

Sheer { Stem..... 101 }
at { Sternpost ... 50 1/2 } 151 1/2 ÷ 2 = 75 3/4 Mean 36/31.4 .87

Sheer at 1/3 of the length from { Stem 53 1/2 }
{ Sternpost 28 1/2 } 82 ÷ 2 = 41 Mean + .55 = 74.5

Gradual mean Sheer..... 74.5

Standard mean Sheer [Table, Para. 18]..... 43.1

Difference..... 31.4 ÷ 4 = -7 3/4

§ If limited as Para. 18 (f)..... ✓

CORRECTION FOR IRON DECK. P.V.F. .384

Proportion covered, if less than 1/10ths length covered..... .664

Thickness of usual wood deck, less stringer..... 3 1/2 3.5 × 85.6% = -3"

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>46.5</u>
Round of Beam	<u>11.5</u>
Normal round.....	<u>11.6</u>
Difference	<u>✓</u>
÷ 2 =	<u>✓</u>

Proportion of Deck uncovered (Para. 19)..... ✓

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>2' - 8 1/2"</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>✓</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>4' - 11 3/4"</u>
Difference	<u>2' - 3 1/4"</u>
Percentage as below.....	<u>40.9%</u>
	<u>11.14.</u>

Freeboard, Table A	<u>5' - 7 1/2"</u>
Correction for Sheer	<u>- 7 3/4"</u>
Correction for Length	<u>4' - 11 3/4"</u>
	<u>+ 1 1/2"</u>
Allowance for Deck Erections	<u>5' - 1 1/4"</u>
	<u>- 11"</u>
Correction for Round of Beam.....	<u>4' - 2 1/4"</u>
Correction for fall in Sheer (if any).....	<u>✓</u>
Correction for Iron Deck (if required)	<u>- 3"</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>3' - 11 1/4"</u>
Other Corrections (if any)	<u>✓</u>

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

Allowance for Deck Erections..... - 11"

Length.	Length allowed.	Height.
Bridge House..... <u>28.75</u>	<u>28.75</u>	<u>8.0</u>
Raised Qr. Dk..... <u>TRUNK 203.54 × 21.17 / 46.5 × .80 = 74.29</u>	<u>74.29</u>	<u>6.0</u>
	<u>98.33</u>	<u>7.5</u>
Total..... <u>330.62</u>	<u>201.37</u>	<u>609</u>
Height of Ship.....	<u>330.62</u>	<u>= .609</u>

Allowance for Deck Erections..... 40.9%

Winter Freeboard..... 3' - 11 1/4"

Summer Freeboard..... 3' - 6 3/4"

Indian Summer Freeboard..... 3' - 2 1/4"

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"

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 " " " "

9.21

Winter Freeboard from deck line	<u>4' - 1"</u>
Summer " " " "	<u>3' - 8 1/2"</u>
Indian Summer " " " "	<u>3' - 4"</u>
N.A. Winter, " " " "	<u>✓</u>
	<u>3' - 8 1/2"</u>
	<u>5 1/2"</u>
	<u>4 1/2"</u>
	<u>4 1/2"</u>

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

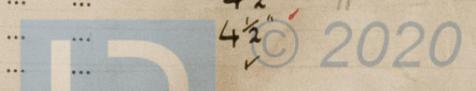
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.

§ 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.

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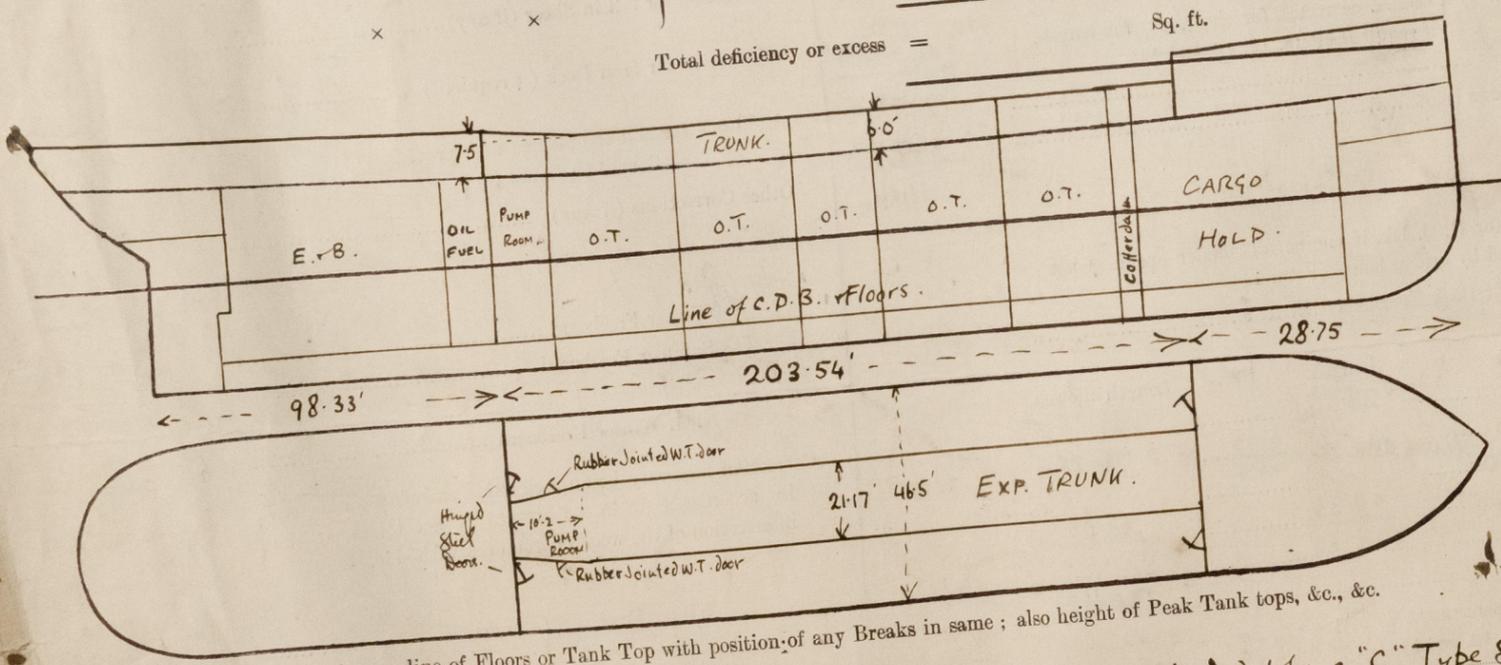


Do all the Frames extend to the top height in the Poop? *Yes*
 To what height do the Reverse Frames extend? *Across tops of floors only*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Hinged Steel doors*
 Is the Poop or Raised Quarter Deck connected with the Bridge House?
 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?
 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*
 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 Poop*
 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 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:— *Yes*

Position and Size.	No. 1. Forward. 26'6 1/2" x 18'-0"	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Item.									
COAMING.	Height above top of DECK	24"							
	Thickness	Sides..... Ends.....	.44" .44"						
WEATHER DECK WEBS PLATES.	Number	5							
	Section and Scantlings	7" x 4" x 3" x 4" 15" x 34"							
	Material	Steel							
* FORE AND AFTERS.	Number	Nil.							
	Section and Scantlings								
	Material								
HATCHES	Thickness	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.)								

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?
 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 = 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.
 Total deficiency or excess = Sq. ft.



State any special features in the construction of the Vessel *This vessel was at first intended to be a "C" Type Standard cargo steamer, but was converted at an early stage to carry petroleum in bulk.*

Owners
 Address
 Received by me

