Rpt. 11b.

Preliminary 32271

Stab. Rpt. 12981.

Index No. 32271
(For London Office only.)

B.T. COPY WRITTEN.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

16 JUL 1927

Verification Report

PARTICULARS RELATING TO A~~N~~ STEAM SHIP~~S~~ ~~EITHER FLUSH DECKED, OR~~ WITH TOP GALLANT FORECASTLES, SHORT POOPS ~~AND BRIDGE HOUSES~~ with continuous trunk between bridge 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 Construction
Name of Surveyor: J R Dipaso

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S. "OTTERHOUND" Merst Furness S.B. Co Ltd No 121 — Number in Register Book	British London	148879	915 approx	1927	✠ 100 A1 Carrying Petroleum in Bulk. Longitudinal Framing. Bottom and Decks Bracketless System. (Contemplated)

Registered dimensions from Ship's Register.	Length.	Breadth.	Depth.	Under Deck Tonnage.
	190·5	32·5	14·6	654·40
Length on Loadline.	190·0	Frame Depth 5½ / Rule " 4 / 1½ / 1½·2·3 = −·25 / Tee. Spacing +·33	Ceiling no +·20 / Sheer +·34 / Depth to top q. Shaded st. floor / 18" deep 14·12	Peak unused / Tanks — / ~~Tonnage between standard floor and E.R. Sack t. + 11½ between standard floor and [illegible] − 13½~~
Corrected Dimensions.	190·0	33·58	15·14 ~~14·66~~	678·40 ~~652·4~~

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

Addition for Keel below base line for draught record ..... 1·9" ..... inches. 1 − 2

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

15-0 / 7½ / 15-7½ / 11½ / 14 8

for D.B. Bkt. + 24 tons

Correction for Length

Length of Ship on Loadline ..... 190·0
Length in Table ..... 180·0
Difference ..... 10·0
Correction for 10ft., Table A. ..... 1·0 — Table C. ~~·8~~
× Difference divided by 10 ..... 1·0 (if required.)
If $\frac{6}{10}$ths length covered divide by 2 ..... ~~·228~~ ·50 + ½"

15·7½ / 1·6 / 14·14 / 14·12 / +·34 / 14·46

Co-efficient of fineness ..... ·703 ~~·698~~
Any modification necessary [Para. 4 (a) to (e)]* ..... ~~·004·70~~
Co-efficient as corrected ..... ·745 ~~·7~~

6943·0 (U.D. Tonnage to standard requirements) / 190·0 × 32·5 × 14·46 = ·754

Sheer at { Stem ..... 54 / Sternpost ... 27 } 81 ÷ 2 = 40½ ...Mean

41·36 / 29·00 / 12·36 / 867 / ·34 / 40·5 / 41·36 / 21888·86 / 40·93

Sheer at ⅛ of the length from { Stem 30¼ / Sternpost 15¼ } 45½ ÷ 2 = 22¾ ...Mean ÷ 55 = 41·36

41·36 / 29·00 / 12·36 / ·343 Sterpt. Correction

Gradual mean Sheer ..... Allowed ... 40·93
Standard mean Sheer [Table, Para. 18] ..... 29·00
Difference ..... 11·93 ÷ 4 = 2·98 — Correction
§ If limited as Para. 18 (f) ..... ✓ — 3"

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

Correction for Iron Deck.

Proportion covered, if less than $\frac{7}{10}$ths length covered ..... ~~·738~~ ·757
Thickness of usual wood deck, less stringer ..... − 3"

Correction for Round of Beam.

Breadth at Gunwale amidships ..... 32·25
Round of Beam ..... 7·5
Normal round ..... 8·0625
Difference ..... ·5625 ÷ 2 = ... ·281 ~~¼~~
Proportion of Deck uncovered (Para. 19) ..... ·285 ✓

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

Allowance for Deck Erections :—

Freeboard, Table C. ..... 0' ~~6½~~" 7"
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~~) } 2 − ~~1½~~ 2¾
Difference ..... 1 − 7¾
Percentage as below ..... ~~52·5%~~ 51·5

10·17 ~~9·96~~
Say − 10¼"

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

Area = 86·25 × 15·0 / 32·25 × ~~4·0 / 3·75~~ × 4/3 = ~~34·27~~ 32·08

40·10

	Length.	Length allowed.	Height.
Forecastle	25·15	25·15	7·6
Bridge House	✓	~~32·08~~	✓
† Raised Qr. Dk.	86·25	~~34·27~~	4·0
Poop	78·6	78·6	7·6
Total	135·83	~~138·02~~	~~·725~~ ·715
Length of Ship		190·0	

Corresponding percentage (Para. ~~13~~, 12, ~~13, or 14~~) } ~~52·5%~~ 51·5%

Breadth between trop. forward 7·0 × 4·0

Allowance for Deck Erections

Winter Freeboard ..... 1 − ~~1½~~ 2
Summer Freeboard ..... 1¾ ..... 1 − 0¼
Indian Summer Freeboard ..... 0 − 10½
N. A. Winter Freeboard ..... 1 − ~~3¼~~ 4

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. } + 1¼"

Freeboard, Table A	2 − ~~4½~~	5¾
Correction for Sheer	− 3"	
	2 − ~~1½~~	2¾
Correction for Length	+ ½	
	2 − 2	3¼
Allowance for Deck Erections	− 10¼	
	1 − ~~4~~	5
Correction for Round of Beam	+ ~~¼~~	
	1 − ~~4¼~~	5
Correction for fall in Sheer (if any)	✓	
Correction for Steel Deck (if required)	− 3"	
	1 − ~~1½~~	2
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡	✓	
Other Corrections (if any)	✓	

Winter Freeboard from deck line	1 − ~~2½~~	3¼
Summer " " " "	1 − 1½	
Indian Summer " " "	0 − 11¾	
N.A. Winter " " " "	1 − ~~4½~~	5¼

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :— 1 − 1½ / 1 − 1½

Fresh Water Line	above centre of Disc	3¾	3¼
Indian Summer Line	" " "	2	2
Winter Line	below " "	1½	1½
Winter North Atlantic Line	" " "	3½	3½

25 JUL 1927

* 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 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.

Dm,1,26. T.

F.W. = 1840 / 11·9 × 40 = 3·86

MARKING FORM
RECEIVED 8 - AUG 1927

© 2021 Lloyd's Register Foundation
010276 - 010282 - 0108

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? Bulb. angle. frames. ✓

Has the Poop ~~or Raised Quarter Deck~~ an efficient ~~Iron~~ Steel Bulkhead at the fore end? Yes. ✓

Give particulars of the means for closing the openings in Bulkhead One opening each side 5'-4 × 3'-0" with stoomboards in inverted channels full height

Is the Poop ~~or Raised Quarter Deck~~ connected with the Bridge House? No. 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? 7'-6" Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? Steel. Bulkhead. 2 openings 5'-8 × 3'-0 with stoomboards full height

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Poop. Deck. — Casings.

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? 7'-3" Are suitable means provided for closing all openings in them in bad weather? Steel. Doors.

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 on Forecastle 6'-10 × 4'-8		Bunker hatchway on poop 7'-3 × 3'-0		Sell. light hatches on top of trunk 3'-0 × 2'-6					
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	2'-6" ✓	2'-6	2'-6 ✓	2'-6	6" angle. Coamings					
COAMING. Thickness Sides	·44 ✓	·44	·44 ✓	·44	·50 plate. Covers					
COAMING. Thickness Ends	·44 ✓	·44	·44 ✓	·44						
SHIFTING BEAMS OR WEB PLATES. Number / Section and Scantlings / Material	✓									
* FORE AND AFTERS. Number / Section and Scantlings / Material	✓									
HATCHES Thickness	3" K.W.		3" K.W.							
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? ✓ 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

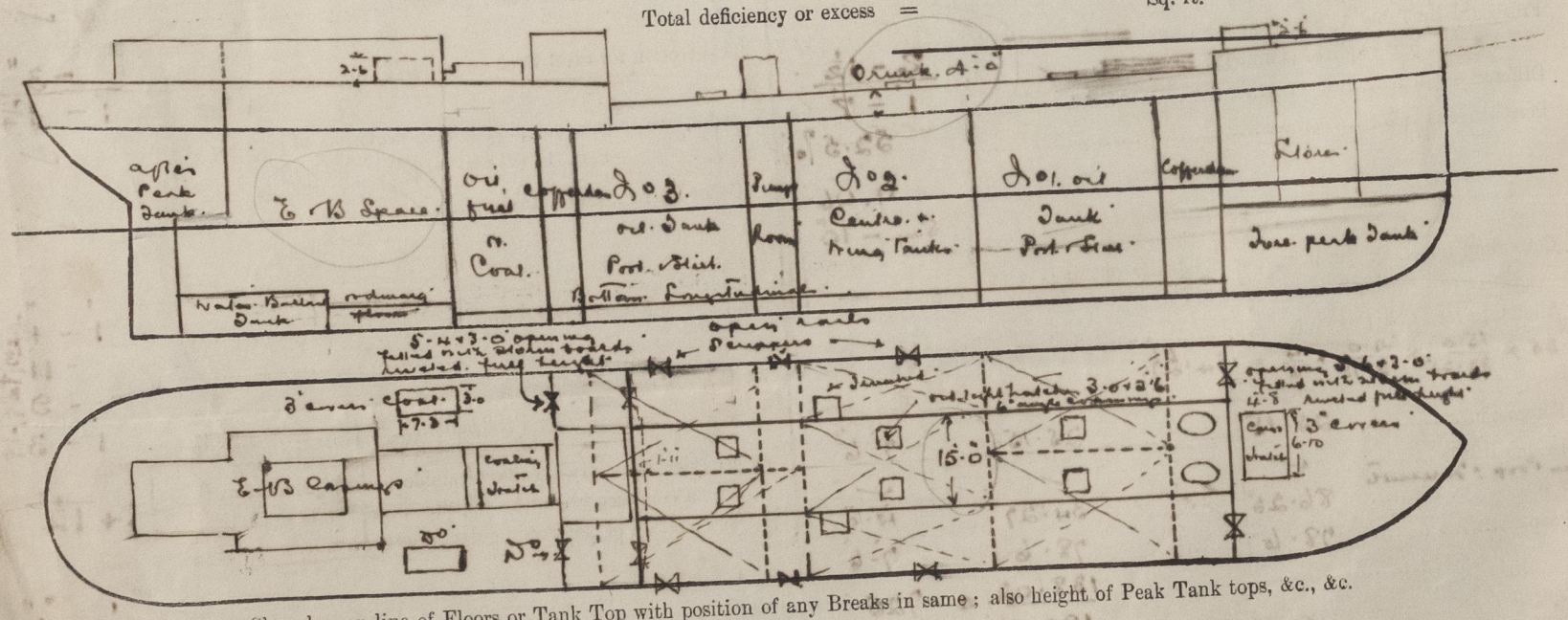
Area of Freeing Ports required by Para. 11 (*e*) each side of vessel = Sq. ft.

open. Rails

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 This vessel has been built in accordance with the approved plans, copies of which are retained in Rooms Office; 100 A1 Carrying.

Builder's name and yard number Bulb. angle. frames on ends.

Names of sister vessels Petroleum in bulk. Longitudinal framing at Bottom and Decks. Bracketless System.

~~*Owners*~~ Furness S. B. Co. No 121

" Address

Fee £ 4 : 0 : 0 approx. *Received by me*

© 2021 Lloyd's Register Foundation