

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No 3003129
27 MAY 1929

RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR FLUSH DECKED HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Sunderland
Date of Survey ✓
Name of Surveyor A. Urwin

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>Wigham Richardson</u> No 1415	<u>Danish</u>				<u>74100 A.1.</u> <u>(Contemplated)</u>

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
284.2	42.0	17.95	1760
283.0	41.5	19.36	1760

Moulded Depth as measured..... 20' 4"
 Addition for Keel below base line for draught record..... 1/2 inches.

Frame Depth 8"
 Rule " 5"
 2 x 3" = 6"
 Curved battens fitted -
 Sheer + .20
 Ceiling + .20
 Sheer + 1.21
 Tank level

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	283.0
Length in Table	244.0
Difference	39.0
Correction for 10ft., Table A.	1.2
× Difference divided by 10	4.68
If 1/10ths length covered divide by 2	2.34

+ 2 1/4

Fineness..... .774
 on necessary }
 to (e)* }
 corrected754 = .75

104 } 156 ÷ 2 = 78 Mean 36
 52 }
 81.8
 38.3
 43.5
 1.21

Stem 60 } 90 ÷ 2 = 45 Mean
 Sternpost 30 }
 78 + 81.8 = 79.9 ÷ .55 = 81.8

Sheer [Table, Para. 18] 38.3 Correction
 Difference..... 41.6 ÷ 4 = 10.4

Para. 18 (f) - 10 1/2

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered 67.6
 Thickness of usual wood deck, less stringer 3 1/2
 - 3 1/4

At front of bridge house..... ✓
 At after end of forecastle ✓
 ÷ 2 =
 Correction ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 41.0
 Round of Beam 10.25
 Normal round..... 10.25
 Difference ✓ ÷ 2 = ✓
 Proportion of Deck uncovered (Para. 19) ✓

ALLOWANCE FOR DECK ERECTIONS :—
 O..... 1.4 3/4
 length, if required (Para. 12, 13, and 14)
 Table A, corrected for sheer, and for length, }
 (Para. 11, 12, 13, and 14) } 3.0 1/2
 1.7 3/4
 46.9 + 19.75 = 9.26
 100
 9.17

Q. Dk. if engine and boiler openings not }
 bridge house (Para. 11) }
 Deck Erections - 9 1/4

Freeboard, Table A 3.11
 Correction for Sheer - 10 1/2
 Correction for Length + 2 1/4
 Allowance for Deck Erections 3.2 3/4
 - 9 1/4
 2.5 1/2
 Correction for Round of Beam..... ✓
 Correction for fall in Sheer (if any)..... ✓
 Correction for Steel Deck (if required) - 3 1/4
 2.2 1/4
 Additions for non-compliance with provisions of }
 Para. 11 (d) and (e) † } ✓
 Other Corrections (if any) ✓

Winter Freeboard 2.2 1/4
 Summer Freeboard A = 2 1/2, C = 3 1/2, say 3 1/4 1.11
 Indian Summer Freeboard 1.7 3/4
 N. A. Winter Freeboard (3") 2.5 1/4

Length.	Length allowed.	Height.
27.66	27.66	7.5
52.50	52.50	7.5
92.5 × 4.0 4.44	84.09	4.0
18.58	18.58	7.5
191.24 283.0	182.8306 283.0	64.63

Percentage { 46.9%
 (Para. 14) }
 Deck covered = 191.24 / 283 = 67.6

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. + 1 1/2 3/4

Winter Freeboard from deck line 2.3 3/4
 Summer " " " " 2.0 1/2 3/4
 Indian Summer " " " " 1.9 1/4 1/2
 N. A. Winter " " " " 2.6 1/4 7

recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :—

Fresh Water Line	above centre of Disc	...	...	...	...
Indian Summer Line	" " "	...	...	...	...
Winter Line	below " "	...	...	...	...
Winter North Atlantic Line	" " "	...	...	...	...

2 - 1. 2 - 0 1/2 1
 1 1/2 4 1/2
 3 1/2 3 1/2
 3 3 1/2
 6 6 1/2

planking, or ceiling are of unusual thickness the breadth of vessel to inside be reported if possible.
 an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the R.Q.D. is to be taken from the level of the top of the amidship beam.
 the total standard mean sheer means the sheer measured at the stem and stern-
 having poops and forecastles, it means the sheer measured at points distant
 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.

Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? Bridge House? Forecastle?
 To what height do the Reverse Frames extend?
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?
 Give particulars of the means for closing the openings in Bulkhead
 Is the Poop or Raised Quarter Deck connected with the Bridge House? 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? Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised 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:—

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
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.....									

* 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 tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

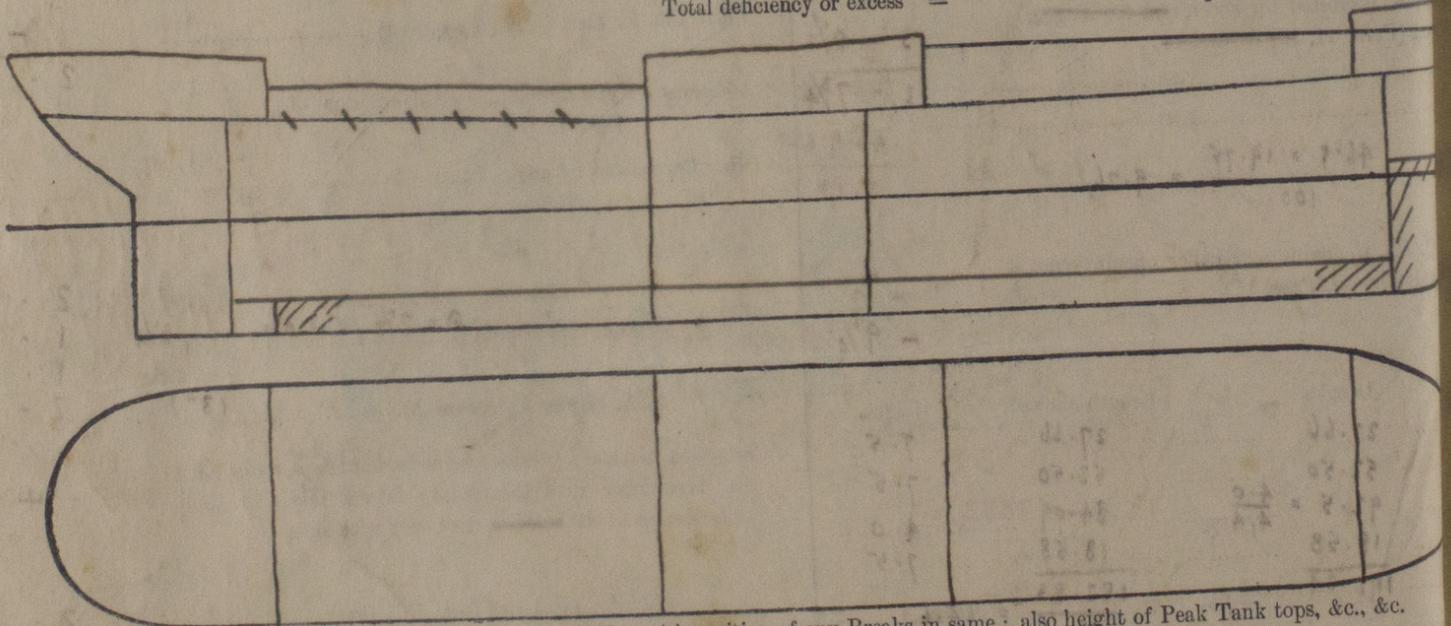
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter
 What is the thickness of the Bridge Sheerstrake? Strake between Main and Bridge Sheerstrakes?

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 = well over
 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.



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

Builder's name and yard number

Names of sister vessels

Owners

Address

Fee £

Received by me

Will be charged on completion



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