

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Name of Surveyor T. S. LEATHARD

Particulars of Classification.

+ 100. A. 1 Steel
(CONTEMPLATED)

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

Length of Ship on Loadline.....	400.0	✓
Length in Table	<u>338.5</u>	✓
Difference	61.5	✓
Correction for 10ft., Table A.	1.44	
		Table C.
× Difference divided by 10	8.856	(if required.)
If $\frac{1}{10}$ the length covered divide by 2	4.428	

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered 77.79

Thickness of usual wood deck, less stringer 4'- $\frac{1}{2}$ -3'

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.....	49.11½	
Round of Beam	13	
Normal round.....	12½	
Difference	½ ÷ 2 =	¼
Proportion of Deck uncovered (Para. 19)		22.23

Freeboard, Table A	6 - 9.83 -	6.12 $\frac{3}{4}$
Correction for Sheer	-10 - 5 - 11.83 -	-10 -
Correction for Length	+4.43 - 6 - 4.43 -	58.8 $\frac{3}{4}$ +4 $\frac{1}{2}$
Allowance for Deck Erections	1 - 3.09 5 - 0.37	6.4 $\frac{1}{2}$ 1.4
Correction for Round of Beam.....		5.0 $\frac{1}{4}$
Correction for fall in Sheer (if any).....		-
Correction for Iron Deck (if required)	3.52 4 - 8.85	-3 $\frac{1}{2}$
Additions for non-compliance with provisions of } Para. 11 (d) and (e) ‡ }		4 - 8 $\frac{3}{4}$
Other Corrections (if any)		

Freeboard, Table C.....	3.833 ✓	3.833
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)	5.1183 ✓	5.1183
Difference	2.285 ✓	2.285
Percentage as below.....	15.89	57.79

5-364	Winter Freeboard	4	8 ³ / ₄
	Summer Freeboard	- 5 ¹ / ₄	4
	Indian Summer Freeboard		3 ¹ / ₂
	N. A. Winter Freeboard		3

	Length.	Length allowed.	Height.
Forecastle.....	37.25	37.25 ✓	8.0
Bridge House	244.37	244.37 ✓	8.0
† Raised Qr. Dk.....	5.18	✓	...
25 × 6 × 2 ÷ 43			
Poop.....	28.37	29.55 ✓	8.0
Total		<u>311.17</u> ✓	77.79
Length of Ship		400.00	
Corresponding percentage {			
(Para. 11, 12, 13, or 14) }	57.79		

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.

Winter Freeboard from deck line	4:10 $\frac{11}{2}$
Summer " " "	4:5 $\frac{1}{4}$
Indian Summer " " "	3:15 $\frac{1}{4}$ 0 +
N. A. Winter " " "	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line. Wood (Iron) Deck.

Fresh Water Line	above centre of Disc	6
Indian Summer Line	" "	5
Winter Line	below " "	5½
Winter North Atlantic Line	" "	5

* 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.

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? *BULB ANGLE FRAMING*
 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? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Hinged Iron Doors*
 What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*
 Give scantlings and spacing of the Stiffeners *B. ANGLE STIFFENERS 8 1/2 x 3 1/2 x 64 @ 30*
 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? *SHIFTING DOORS FULL HEIGHT IN PIVOTED CHANNELS*
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Is the Forecastle an efficient 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? *Yes*
 Give thickness of plating, scantlings and spacing of Stiffeners
 What is the height of the exposed Casings? *7'0"* 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:— *Yes*

Position and Size.		No. 1. For: 29'9" x 22'0"		No. 2. 29'9" x 22'0"		No. 3. 17'0" x 18'0"		No. 4. 29'9" x 20'0"		No. 5. 29'9" x 22'0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING.	Height above top of DECK	36	24	30	18	30	18	30	18	36	24
	Thickness {	Sides.....	54	54	50	50	50	50	50	54	54
		Ends.....	40	40	40	40	40	40	40	40	40
SHIFTING BEAMS OR WEB PLATES.	Number	5	5	5	5	3	3	5	5	5	5
	Section and Scantlings	T PLATE 36" x 25" x 40		T PLATE 28" x 22" x 40		SAME AS No. 2.		SAME AS No. 2		SAME AS No. 1.	
	Material	Steel		Steel		Steel		Steel		Steel	
* FORE AND AFTERS.	Number										
	Section and Scantlings	No		FORE AND		AFTERS.					
	Material										
HATCHES	Thickness	3" PINE									
	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 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 built 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 { 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

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

Ft. Tenths. Ft. Tenths. No.

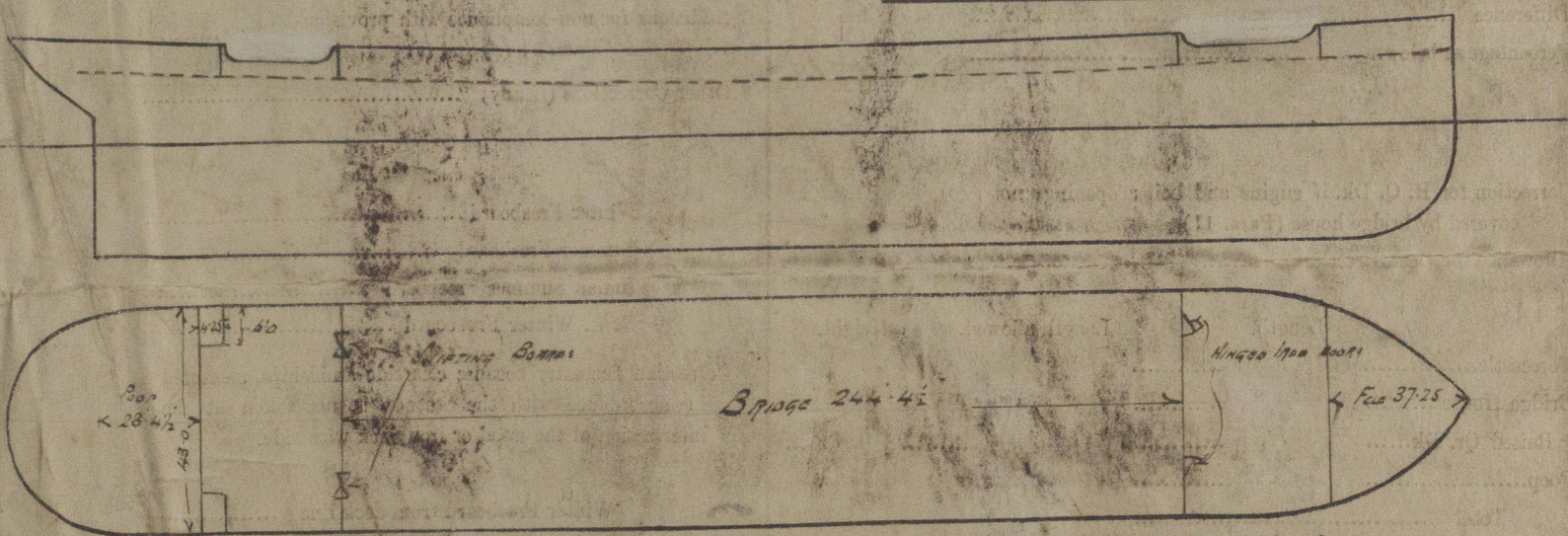
x x

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

Owners

Address

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