

Lloyd's Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD.-STEAM SHIPS.

22525

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 West Hartlepool.
Date of Survey while building.
Name of Surveyor Jas. W. Stuart.Messrs W. Gray & Co. Ltd. h: 809Ship's Name S.S. CONFIELD Port of Registry and Nationality Newcastle. Official Number 135515 Gross Tonnage 2804 Date of Build. 1912 Particulars of Classification + 100 A.1. Contemplated.
Number in Register Book Not booked. British.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	314	46.6	21.2	2584.41
Length on LOADLINE.	314	Frame Depth $9\frac{1}{2}$ " Ceiling + .2	Peak } Incl.	
		Rule " $5\frac{1}{2}$ " Sheer + .73	Tanks }	
		$4 \times 2 = .66$ Tank level.	aft: + 3.59	
CORRECTED DIMENSIONS.	314	45.94	22.13	2588

Co-efficient of fineness..... .8107
Any modification necessary [Para. 4 (a) to (e)]* - .02 Cell D. Bolton
Co-efficient as corrected79xSheer { Stem..... 93"
at { Sternpost... 42" } $135 \div 2 = 67.5$ Mean 67.5
Sheer at $\frac{1}{2}$ of the length from { Stem 51.25"
Sternpost 23.25" } $74.5 \div 2 = 37.25$ Mean 67.61
Gradual mean Sheer 67.61x
Standard mean Sheer [Table, Para. 18] 41.4x
Difference..... 26.21 $\div 4 = 6.55$ Correction
§ If limited as Para. 18 (f)..... -6.55xRise in Sheer { At front of bridge house..... ✓
from amidships {
[Para. 18 (e)] { At after end of forecastle ✓Fall in Sheer {
Para. 18 (d) } $\div 2 =$ No fall.
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:-

Freeboard, Table C..... 2-2.12x 2'-2x
Correction for Length, if required (Para. 12, 13, and 14) 2"x
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 4-10.25x 4'-10x
Difference 2-6.18x 2'-6x
Percentage as below..... 32.23%
9.73Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 9.749x
Allowance for Deck Erections -9.74x

	Length.	Length allowed.	Height.
Forecastle.....	35-1"	35.08x	7'-0"
Bridge House.....	97-11"	98.33x	7'-6"
Raised Q. Dk.....	24'-6"	24.50x	7'-0"
Poop.....		157.91x	
Total.....		314	

Length of Ship 314 = .5029.
Corresponding percentage { 32.23%
(Para. 11, 12, 13, and 14)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 " " " Amended Tables
Winter Line below " " March, 1906.
Winter North Atlantic Line " " "

Moulded Depth as measured..... 23'-5x

24-5x
3-2x
21-2x

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 314.0x
Length in Table 281.5x
Difference 32.5x
Correction for 10ft., Table A. 1.3x Table C. .6
x Difference divided by 10 4.225 (if required.) 1.95x
If $\frac{1}{10}$ ths length covered divide by 2 + 4.4x + 2x

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered5029x
Thickness of usual wood deck, less stringer 3x - 13/4x
4-43 = 3.57 179x

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 45-11x
Round of Beam 11x
Normal round..... 11x
Difference $\div 2 =$ ✓
Proportion of Deck uncovered (Para. 19)

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

Freeboard, Table A 5-0.58x 5'-0x
Correction for Sheer 6x
Correction for Length 4-6x
Allowance for Deck Erections 4-10.25x 4'-10x
Correction for Round of Beam..... 9.73x 9.749x
Correction for fall in Sheer (if any)..... 13/4x
Correction for Iron Deck (if required) 3-10.73x 3'-10x
Additions for non-compliance with provisions of Para. 11 (d) and (e)
Other Corrections (if any)Winter Freeboard 3'-11x 10 3/4x
Summer Freeboard 3'-7x
Indian Summer Freeboard 3'-3x 1/4x
N. A. Winter Freeboard 4'-7x 3/4x

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. + 13/4x

Winter Freeboard from deck line 4'-0x 1/2x
Summer " " " 3'-9x 3/4x
Indian Summer " " " 3'-5x
N. A. Winter " " " 4'-2x 1/2xWinter Freeboard from deck line 3'-8x 1/2x
Summer " " " 4'-3x 1/2x
Indian Summer " " " 3'-5x 1/4x
N. A. Winter " " " 4'-2x 1/2xIf 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 sternpost.State dimensions of loading 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 should be reported.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House *Yes* Forecastle? *Yes*

To what height do the Reverse Frames extend? *Deep Bull 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 *Shifting boards full height in channels permanently attached to Bhr.*

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 *Two steel hinged doors.*

What is the thickness of the Bridge Front plating? *.38"* and Coaming plate? *.42"*

Give scantlings and spacing of the Stiffeners *9" x 3" x .50" Bull Angles - 30" apart.*

Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *No {Main Rail can up to Bridge dec*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

How are the openings closed? *Shifting boards full height in channels permanently attached to Bulkhead.*

Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has 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? *✓* Are suitable means provided for closing all openings in them in bad weather? *Will be.*

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:— *As approved.*

Position and Size.	① 20'-5" x 17'-0"		② 26'-6 1/2" x 17'-0"		③ 12'-3" x 13'-11" Bridge Dk.		④ 24'-6" x 17'-0"		⑤ 24'-6" x 17'-0"		⑥ 8' x 10' Poop Dk.	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	39"		40"		31"		39"		39"		30"	
COAMING Thickness	Sides	.46"	.50"		.40"		.48"		.48"		.36"	
	Ends	.40"	.40"		.36"		.40"		.40"		.36"	
SCANTLING OF WEB PLATES	Number	3	5		2		4		4		1	
	Section and	2 1/16" x 34"	1 1/4" x 34" plate		1 1/4" x 34" plate		Same as		Same as		1 1/2" x 3" x 36"	
	Material	4" x 3" x .40"	4" x 3" x .40" angles.		3" x 3" x .40" angles.		No. 1		No. 1		10" x .50"	
* FORE AND AFTERS	Number											
	Material											
HATCHES Thickness	3"		3"		3"		3"		3"		3"	
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 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 { 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) =

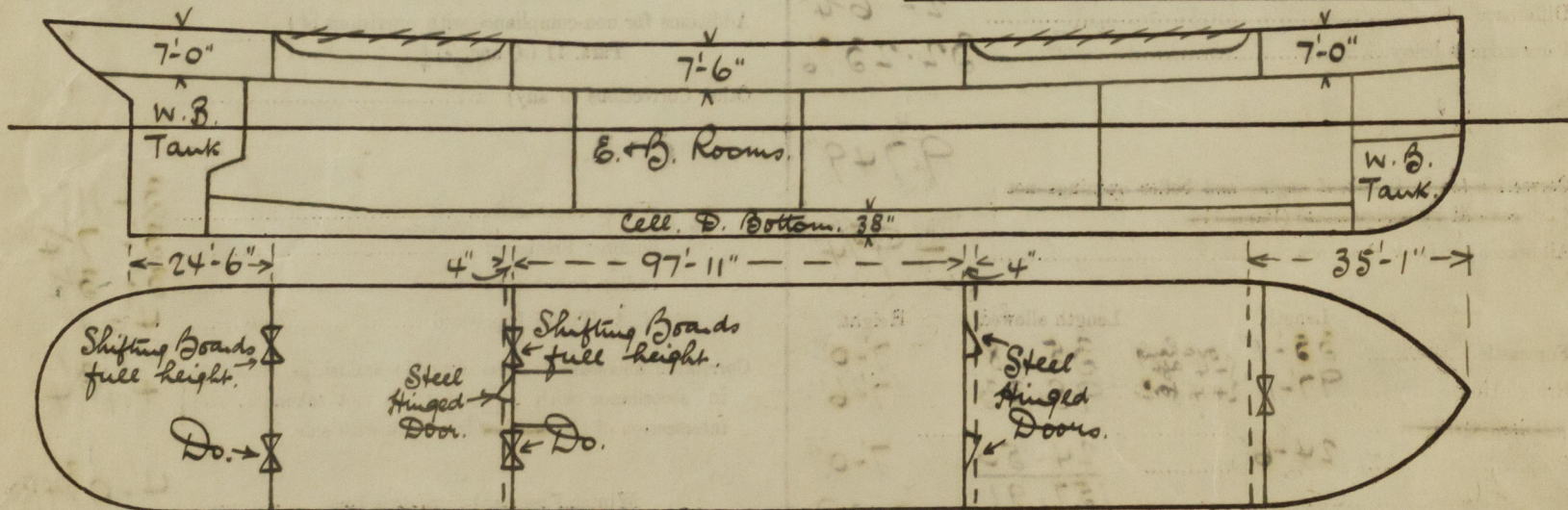
Sq. ft.

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 *This vessel has been built in accordance with the approved plans forwarded herewith for reference. Please see W. H. P. Rpt. No. 14343 for provisional freeboard assigned.*

Builders:— *Messrs W. Gray & Co. Lim.*

Address *West Hartlepool.*

Fee £

Received by me

James Stuart
13. Sept. 1912
Register Foundation