Rpt. 11b.

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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 Wellington
Date of Survey 19/9/32
Name of Surveyor

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
s/s "KIWITEA" Number in Register Book	Wellington British	151507	2342.55 ✓	1925.9	✠ 100 A1

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	280	44.3	18.9	1949.15

Length on LOADLINE.	280	Frame Depth Rule „ 5 $\frac{2.2}{12} = 33$ Sparring fitted	Ceiling fitted Sheer .24 To Tank top 19.08	Peak Tanks Inclu Rise aft

Corrected Dimensions.	280	43.97	19.32	1960.15

Co-efficient of fineness .... .824

Any modification necessary [Para. 4 (a) to (e)]* } .02 CDB.

Co-efficient as corrected ...... .80

Sheer { at Stem .... 60 } 93 ÷ 2 = 46.5 ...Mean
       { Sternpost ... 33 }

Sheer at ⅛ of the length from { Stem 33 } 51¼ ÷ 2 = 2562...Mean
                               { Sternpost 18¼ } ÷ 55 = 46.59

Gradual mean Sheer 46.55

Standard mean Sheer [Table, Para. 18] .... 38.00   Correction

Difference .... 8.55 ÷ 4 = 2.14

§ If limited as Para. 18 (f) — 2¼

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

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C .... 1 - 7¾

Correction for Length, if required (Para. 12, 13, and 14) .... + 1½

1 - 9¼

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) } 4 - 4½

Difference .... 2 - 7¼

Percentage as below 33.04

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

Allowance for Deck Erections — 10¼

	Length.	Length allowed.	Height.
Forecastle	29-4½	29.37	7-6
Bridge House .... TRUNK I	144 × $\frac{246}{528}$ × $\frac{24}{44}$ × .80	29.27	2-9
	TRUNK II		
† Raised Qr. Dk. ...	26 × $\frac{246}{528}$ × $\frac{20.44}{44}$ × .80	4.50	2-9
Poop	80-7½	80.62	7-6
Total	280	143.76	
Length of Ship		280	

Corresponding percentage (Para. 11, 12, 13, or 14) } 33.04%

Moulded Depth as measured .... 21 - 1½

Addition for Keel below base line for draught record .... 1¼ inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline 280

Length in Table 253.5

Difference 26.5

Correction for 10ft., Table A. ...... 1.2   Table C. .6

× Difference divided by 10 .... 3.18   (if required.) 1.59

If ⁶⁄₁₀ths length covered divide by 2 3¼   + 1½

CORRECTION FOR IRON DECK.   P, F & Trunk = 717

Proportion covered, if less than ⁷⁄₁₀ths length covered ...... ✓

Thickness of usual wood deck, less stringer .... 3½"

— 3½"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 44

Round of Beam 11

Normal round 11

Difference .... 1 ÷ 2 = ✓

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

Freeboard, Table A .... 4 - 3½

Correction for Sheer .... — 2¼

4 - 1¼

Correction for Length .... + 3¼

4 - 4½

Allowance for Deck Erections .... — 10¼

3 - 6¼

Correction for Round of Beam .... ✓

Correction for fall in Sheer (if any) .... ✓

Correction for Steel Deck (if required) .... — 3½

3 - 2¾

Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ } ....

Other Corrections (if any) ....

Winter Freeboard .... 3 - 2¾

Summer Freeboard .... 2 - 11¾

Indian Summer Freeboard .... 2 - 8¾

N. A. Winter Freeboard .... 3 - 4¼

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. }

J. M. M.
5-11-32

Winter Freeboard from deck line ....

Summer „ „ „ ....

Indian Summer „ „ „ ....

N. A. Winter „ „ „ ....

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :— 2 - 11¾

Tropical Fresh Water Line above Centre of Disc ...	... 8	Tropical Fresh Water Freeboard ...	... ② - 3¼
Fresh Water Line „ „ „ ...	... 5	Fresh Water „ „ ...	... ② - 6¼
Tropical Line „ „ „ ...	... 3	Tropical „ „ ...	... 2 - 8¾
Winter Line „ „ below „ ...	... 3	Winter „ „ ...	... 3 - 2¾
Winter North Atlantic Line „ „ „ ...	... 5	Winter North Atlantic „ „ ...	... 3 - 4¼

F.W. = $\frac{5084}{2576 \times 40}$ = 4.93

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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 the Rules? Give particulars below:—

	Position.										
	Size.										
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 the tables, state vertical distance from top of keel 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.

    ×   ×   } Freeing Ports   =   Sq. ft.
    ×   ×   } (each side of vessel)

             Total deficiency or excess   =   Sq. ft.
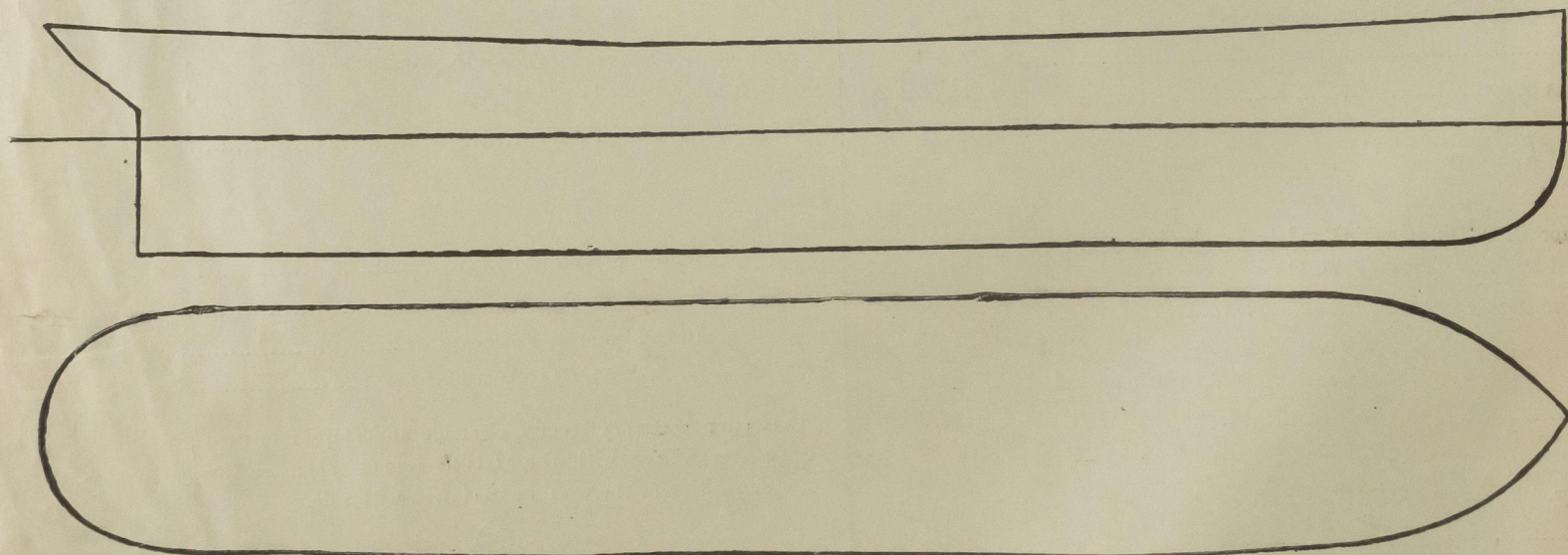
Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel
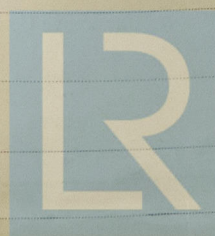
Builder's name and yard number

Names of sister vessels

Owners

   „   Address

Fee £   :   :   *Received by me*