

Wln 29.8.82 21206. No. 13313
Lloyd's Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS. 21597

CLAUSES RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH PLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITHOUT PLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey *South*
 Date of Survey *2nd May 1911*
 Name of Surveyor *J. Henderson*

Ship's Name. <i>"Kanna"</i>	Port of Registry and Nationality. <i>Lunedin British</i>	Official Number. <i>✓</i>	Gross Tonnage. <i>✓</i>	Date of Build. <i>1911</i>	Particulars of Classification. <i>100A1 contemplated</i>
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LENGTH. <i>272.1</i>	BREADTH. <i>41.2</i>	DEPTH. <i>14.9</i>	UNDER DECK Tonnage. <i>1650.91</i>
<i>272.1</i>	Frame Depth 8 Rule " 5	Ceiling <i>fitted</i> Sheer <i>7.70.58</i>	Peak } <i>Included</i> Tanks }
<i>272.1</i>	<i>40.70</i>	<i>18.62.48</i>	<i>1650.91</i>

Moulded Depth as measured..... *19.11*
 $20.11\frac{1}{4}$
 $3.0\frac{1}{2}$
 $17.10\frac{3}{4}$

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

fineness *.80* *.806*
 Correction necessary (a) to (e) * } *See W.B.*
 corrected *.78*

CORRECTION FOR LENGTH.
 Length of Ship on Loadline..... *272.1*
 Length in Table *239*
 Difference *34 33.1*
 Correction for 10ft., Table A. *1.16/8* Table C. *.6*
 × Difference divided by 10 *3.9X* (if required.) *2.04 1.98*
 If $\frac{1}{10}$ ths length covered divide by 2 *+4* *+2*
 3.90

Stem *39\frac{1}{2}*
 Sternpost *24\frac{1}{2}*
 $63\frac{1}{2} \div 2 = 31\frac{1}{2}$... Mean
 $\div .55 = 57.95$
 Sheer *57.95*
 in Sheer (Table, Para. 18) *34.21* Correction
 Difference..... *20.74* $25.3 \div 4 = 6.32$ "
 $- 6.32 = 57.95$
 as Para. 18 (f)..... *5.18*

CORRECTION FOR IRON DECK.
 Proportion covered, if less than $\frac{1}{10}$ ths length covered *463.4643*
 Thickness of usual wood deck, less stringer..... *3\frac{1}{2}*
 $3.56 \times 4643 = 1.65$ *13/4*

At front of bridge house..... *9*
 At after end of forecastle *48*
 $\div 2 =$
 Correction

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships..... *41.0*
 Round of Beam..... *12\frac{1}{4}*
 Normal round *10\frac{1}{4}*
 Difference $2 \div 2 = 1$
 Proportion of Deck uncovered (Para. 19) *54* *Corr^m*

ALLOWANCE FOR DECK ERECTIONS:—
 Table C..... *1.4.33* *1.544*
 Length, if required (Para. 12, 13, and 14) *1.98*
 $1.46.31$
 Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } *3.9\frac{1}{2}*
 $2.22.34$
 $2.3.16$ *29.72 50%*
 below..... *8.01*

Freeboard, Table A *3.10.75* *3.7X 10\frac{3}{4}*
 Correction for Sheer *5.18* *- 6.54*
 $3.5.87$ *3.7\frac{1}{2} 5\frac{1}{2}*
 Correction for Length *3.90* *+4*
 $3.9.47$ *3.8\frac{1}{2} 9\frac{1}{2}*
 Allowance for Deck Erections *8.01* *- 7.8*
 $3.1.46$ *3.1\frac{1}{2}*
 Correction for Round of Beam..... *.54* *- 7\frac{1}{2}*
 $3.0.92$ *3.01*

R. Q. Dk. if engine and boiler openings not by bridge house (Para. 11)	<i>7.8</i>	
Deck Erections		
Length.	Length allowed.	Height.
<i>26.0</i>	<i>26.0</i>	<i>7.25</i>
<i>48.83</i>	<i>48.83</i>	<i>7.25</i>
<i>22.0</i>	<i>22.0</i>	<i>7.25</i>
	$\frac{126.83}{272.21} =$	<i>46.44</i>
		<i>.4643</i>

Correction for Iron Deck (if required) *1.65*
 $2.11.27$ *- 1\frac{1}{2} 13/4*
 $2.10\frac{1}{2} 11\frac{1}{4}$
 Additions for non-compliance with provisions of Para. 11 (d) and (e) †
 Other Corrections (if any).....

RD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck	<i>2.10</i>	<i>2.10</i>
Fresh Water Line above centre of Disc	<i>4\frac{1}{2}</i>	<i>4\frac{1}{2}</i>
Indian Summer Line " " "	<i>3</i>	<i>3</i>
Winter Line below " " "	<i>3</i>	<i>3</i>
Winter North Atlantic Line " " "	<i>5</i>	<i>5</i>

Amended Tables March, 1908.

Winter Freeboard *2.7\frac{1}{2} 11\frac{1}{4}*
 Summer Freeboard *2.7\frac{1}{2} 8\frac{1}{4}*
 Indian Summer Freeboard *2.7\frac{1}{2} 5\frac{1}{4}*
 N. A. Winter Freeboard *3.0\frac{1}{2} 1\frac{1}{4}*
 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. *7\frac{1}{2} 2*

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

Winter Freeboard from deck line *3.2 1\frac{1}{4}*
 Summer " " " " *2.7 10\frac{1}{4}*
 Indian Summer " " " " *2.7 7\frac{1}{4}*
 N. A. Winter, " " " " *3.2 3\frac{1}{4}*

† 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.

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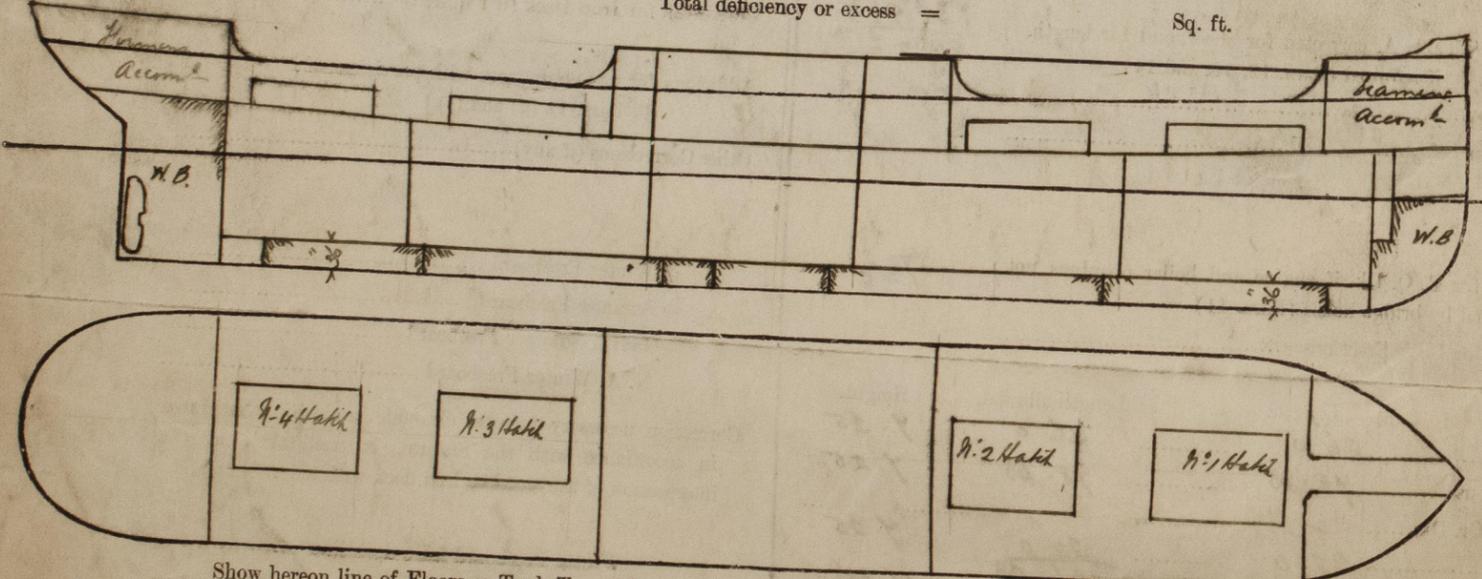
Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Built angle framing*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Leak doors* *Fremans Accommodation*
 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 watertight doors*
 What is the thickness of the Bridge Front plating? *.34* and Coaming plate? *.38*
 Give scantlings and spacing of the Stiffeners *7 x 3 x .50 Built angle 30" apart*
 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? *Revised Channel bars + wood 5'-9" high*
 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?
 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: *Yes*

Position and Size.	No. 1 Hatch for 23.6 x 18.0		No. 2 23.6 x 18.0		No. 3 23.6 x 18.0		No. 4 23.6 x 18.0		Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
COAMING										
Height above top of DECK	<i>34"</i>	<i>30</i>	<i>34"</i>	<i>30</i>	<i>34"</i>	<i>30</i>	<i>34"</i>	<i>30</i>		
Thickness	Sides.....	<i>.46</i>	<i>.46</i>	<i>.46</i>	<i>.46</i>	<i>.46</i>	<i>.46</i>	<i>.46</i>		
	Ends.....	<i>.40</i>	<i>.40</i>	<i>.40</i>	<i>.40</i>	<i>.40</i>	<i>.40</i>	<i>.40</i>		
SHIFTING BEAMS OR WEB PLATES	Number.....	<i>Five</i>	<i>Five</i>	<i>Five</i>	<i>Five</i>	<i>Five</i>	<i>Five</i>	<i>Five</i>		
	Section and Scantlings.....	<i>Plates .40</i>	<i>As per Rule</i>							
	Material.....	<i>Length 4x3=.40</i>	<i>Steel</i>	<i>4x3=.40</i>	<i>4x3=.40</i>	<i>4x3=.40</i>	<i>4x3=.40</i>	<i>4x3=.40</i>		
FORE AND AFTERS	Number.....									
	Section and Scantlings.....	<i>None fitted</i>								
	Material.....									
HATCHES Thickness	<i>3"</i>		<i>3"</i>		<i>3"</i>		<i>3"</i>			
Remarks.....	<i>P. Lin</i>		<i>P.P.</i>		<i>P.P.</i>		<i>P.P.</i>			

* 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? *.54* Strake between Main and Bridge Sheerstrakes? *.54*
 Delete the words { The Crew ~~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. *No gangway fitted*
 Length of Bulwarks in well *fore well 42.0* } Bulwarks *4.3 high*
after well 74.0
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.
 Ft. Tenth. Ft. Tenth. No. = _____ Sq. ft.
Fore Well 2.75 x 2.0 x 3 = 16.50 } Freeing Ports (each side of vessel) = _____ Sq. ft.
Aft Well 2.75 x 2.0 x 3 = 16.50
 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 *Preliminary Frigate plan see drawings*
Letter M 5th Sept 1910. Midship section + Profile plan enclosed herewith for
reference together with formal request from No. 9.

Owners _____
 Address _____

Received by me _____

