

quest form No 9 attached
Rpt. 116.

WEB. FEB 20 1907

No 14976

Lloyd's Register of British & Foreign 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, AND SHORT POOP.

Port of Survey Greenock
Date of Survey Whitby Building
Name of Surveyor D. M. Auslan

Ship's Name. BANKDALE Port of Registry and Nationality. Liverpool Official Number. 124045 Gross Tonnage. 3851 Date of Build. 1907 Particulars of Classification. 100 A. 1. "Span deck" (contemplated)

Registered dimensions from ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
	<u>375.1</u>	<u>48.6</u>	<u>24.5</u>	<u>3650.60</u>
Length on LOADLINE	<u>374.75</u>	Frame Depth $9\frac{1}{2}$ Rule " $5\frac{1}{2}$ $4 \times 2 = 8$ $- .66$	Ceiling + .2 Sheer + .95	Peak } INCLUDED IN U. DR. TONNAGE. Tanks }
CORRECTED DIMENSIONS.	<u>374.75</u>	<u>47.94</u>	<u>25.65</u>	<u>3650.60</u>

Moulded Depth as measured..... 27'-0"

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

Co-efficient of fineness792
Any modification necessary [Para. 4 (a) to (e) *] .02 bell. str.
Co-efficient as corrected77

CORRECTION FOR LENGTH.
Length of Ship on Loadline..... 374.75
Length in Table 374.00
Difference75
Correction for 10ft., Table A. 1.4
× Difference divided by 10 7.10
If $\frac{1}{10}$ th length covered divide by 2 +3½"

CORRECTION FOR IRON DECK.
Proportion covered, if less than $\frac{1}{10}$ th length covered893
Thickness of usual wood deck, less stringer..... 3½

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... 46'
Round of Beam..... 11¼"
Normal round 11½"
Difference ¼ ÷ 2 =
Proportion of Deck uncovered (Para. 19)

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

Sheer { Stem... 109 { $54.75 \div 66.75 \div 2 = 81.875$ Mean
at { Sternpost...
Sheer at $\frac{1}{4}$ of the length from { Stem 61.5 { $92.25 \div 2 = 46.125$ Mean
{ Sternpost 30.75
Gradual mean Sheer
Standard mean Sheer (Table, Para. 18) 47.475 Correction
Difference..... 34.4 ÷ 4 = 8.6
§ If limited as Para. 18 (f)..... -8½"

Rise in Sheer { At front of bridge house.....
from amidships {
[Para. 18 (e)] { At after end of forecastle

Fall in sheer {
Para. 18 (d) } $+ 2 =$
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 3'-3¾"
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'-7¾"
Difference 2'-4"
Percentage as below..... 84.3%
 $= 23.6$
 $- 1'-11½"$
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)
Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	<u>298.0</u>	<u>298.0</u>	<u>7'-11½"</u>
Bridge House			
Raised Qr. Dk.....			
P.....	<u>36.75</u>	<u>36.75</u>	<u>7'-11½"</u>
Total	<u>334.75</u>		
Length of Ship	<u>374.75</u>		<u>= .893</u>
Responding percentage { Para. 11, 12, 13, or 14) } = <u>84.3%</u>			

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 " " " ...
Winter Line below " " " ...
Winter North Atlantic Line " " " ...

Freeboard, Table A 6'-4¼"
Correction for Sheer 8½"
Correction for Length 3½"
Allowance for Deck Erections 5'-11¼"
Correction for Round of Beam..... 1'-11½"
Correction for fall in Sheer (if any)
Correction for Iron Deck (if required) 3'-8¼"
Additions for non-compliance with provisions of Para. 11 (d) and (e)
Other Corrections (if any).....
Winter Freeboard 3'-8¼"
Summer Freeboard 3'-2¾"
Indian Summer Freeboard 2'-9¼"
N. A. Winter Freeboard
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. + 1¾"

Winter Freeboard from deck line 3'-10"
Summer " " " 3'-4½"
Indian Summer " " " 2'-11"
N. A. Winter " " "
Amended Tables March, 1906. 3'-4½"
5½"
5½"

† 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 the 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? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *To Main & upper decks alternately*
 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 *Strong boards full height fitted in permanent channels.*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Joined to fore side.*
 Give particulars of the means for closing the openings in Bulkhead *Yes*
 What is the thickness of the Bridge Front plating? *Yes* and Coaming plate? *Yes*
 Give scantlings and spacing of the Stiffeners *Yes*
 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? *Efficient portable iron plates full height.*
 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? *Joined to Bridge.*
 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 *Yes*
 What is the height of the exposed Casings? *Seven feet* Are suitable means provided for closing all openings in them in bad weather? *Yes*

Requirements of Section 18 of the Rules for 1904-5? Give particulars below:—											
Poop Hatch Size.		N°1 HATCH (FORW)		N°2 HATCH		N°3 HATCH		N°4 HATCH (AFT WELL)			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING.	Height above top of DECK	18"✓	19"	18"	19"	18"	37"	24"30			
	Thickness { Sides.....	9/20	D°	10/20	D°	9/20	D°	9/20	D°		
		Ends.....	8/20	D°	8/20	D°	8/20	D°	8/20	D°	
SCUTTLING PLATES OR WEB PLATES.	Number	2	2	2	2	2	2	2			
	Section and Scantlings.....	PLATE 8/20	D°	8/20 PLATE	D°	8/20 PLATE	D°	8/20 PLATE	D°		
	Material.....	STEEL	D°	STEEL	D°	STEEL	D°	STEEL	D°		
FORE AND AFTERS.	Number.....	3	3	3	3	3	3	3			
	Section and Scantlings.....	B.P. 10 x 1 1/2 + 7 x 7/20	D°	D°	D°	D°	D°	D°			
	Material.....	STEEL	D°	D°	D°	D°	D°	D°			
HATCHES Thickness		3"	3"	3	3	3	3	3			
Remarks.....											

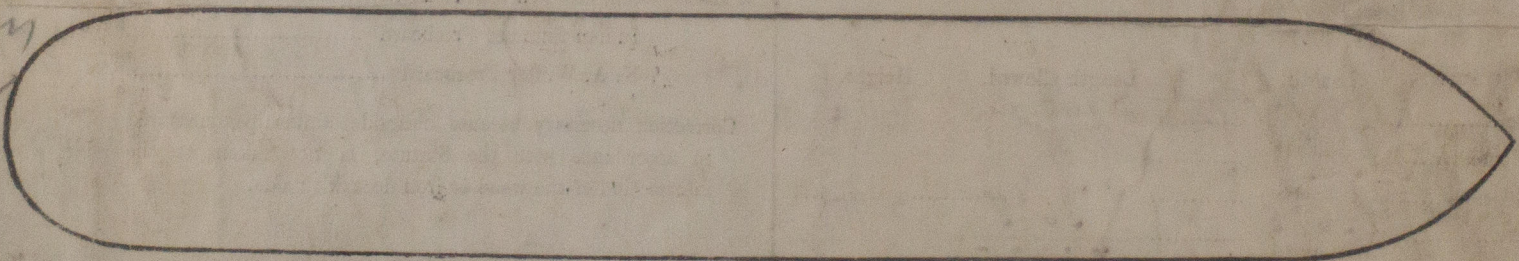
* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower 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? *40 ft.* 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			40 ft.	
Area of Freeing Ports required by Para. 11 (e) each side of vessel	=	10.5	Sq. ft.	
Ft. Tenths.	Ft. Tenths.	No.		
x	x			
x	x			
Freeing Ports (each side of vessel)			=	Sq. ft.
Total deficiency or excess			=	Sq. ft.

The approved midship section, profile & deck plans are herewith enclosed.



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 is now completing afloat and is a sister vessel to the same Builder's S.S. "Banda" (N° 177) and to which a freeboard of 3'-4 1/2" was assigned, see Secretary's letter (M) 6th June 1906.*

Owners
 Address
 Fee: £

Received by me



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