

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.

Port of Survey Newcastle
Date of Survey 14th April 1916
Name of Surveyor E. J. Milton

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>S.S. Sanfield</u>	<u>British London</u>	<u>137816</u>	<u>4235.41</u>	<u>How</u> <u>Completing</u>	<u>+ 100 A. 1.</u> <u>Class Contemplated</u>
Number in Register Book					
Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.	
	<u>385.2</u>	<u>52.95</u>	<u>26.25</u>	<u>4235.41</u>	
Length on LOADLINE.	<u>385.2</u>	Frame Depth <u>12</u> Rule <u>6</u> <u>6x2 = -1.0</u>	Ceiling <u>+2</u> Sheer <u>+1.1</u>	Peak T _{cks}	
CORRECTED DIMENSIONS.	<u>385.2</u>	<u>51.95</u>	<u>27.55</u>	<u>4235.41</u>	

Co-efficient of fineness..... 768
Any modification necessary } -02 cell 75
[Para. 4 (a) to (e)]* }
Co-efficient as corrected 748 say 75

{ Stem..... 105 } 174 ÷ 2 = 87 ...Mean
Sternpost ... 69
the length from { Stem 59 } 97 ÷ 2 = 48.5 ...Mean
Sternpost 38
Sheer 88.18 87.59 × 55 = 88.18
or [Table, Para. 18] 48.52 ... Correction
Difference..... 39.07 ÷ 4 = 9.76
(f)..... -9.76

ALLOWANCE FOR DECK ERECTIONS:—

ard, Table C..... 3 - 8.83
on for Length, if required (Para. 12, 13, and 14) 3 - 11.89
by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) 6 - 7.12
nce 2 - 4.23
tage as below..... 24.01

ection for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 7.50
wance for Deck Erections 7.50

	Length.	Length allowed.	Height.
oastle.....	<u>30.8</u>	<u>30.66</u>	<u>7.0</u>
ge House	<u>91.0</u>	<u>90.00</u>	<u>7.0</u>
aised Qr. Dk.....			
op.....	<u>26.4</u>	<u>26.34</u>	<u>7.0</u>
Total	<u>148.0</u>	<u>148.00</u>	<u>38.42</u>
Length of Ship	<u>385.2</u>	<u>385.2</u>	
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>24.07</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	" " "	...

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 385.2
Length in Table 341.5
Difference 43.7
Correction for 10ft., Table A. 6.55 Table C.
× Difference divided by 10 (if required.)
If $\frac{1}{10}$ th length covered divide by 2 = +6.55

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

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ th length covered Allowed in moulded depth
Thickness of usual wood deck, less stringer

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 50.66
Round of Beam 12.5
Normal round..... 12.5
Difference ÷ 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	<u>6 - 10.33</u>	<u>6.10</u>
Correction for Sheer	<u>9.46</u>	<u>-9.46</u>
Correction for Length	<u>6 - 0.54</u>	<u>6.08</u>
Allowance for Deck Erections	<u>6 - 7.12</u>	<u>6.78</u>
Correction for Round of Beam.....	<u>7.50</u>	<u>-7.50</u>
Correction for fall in Sheer (if any).....	<u>5 - 11.62</u>	<u>5.88</u>
Correction for Iron Deck (if required) <u>allowed in held depth</u>		
Additions for non-compliance with provisions of } Para. 11 (d) and (e) †		
Other Corrections (if any)		

Winter Freeboard	<u>5 - 11.62</u>	<u>5.88</u>
Summer Freeboard	<u>5 - 11.70</u>	<u>5.86</u>
Indian Summer Freeboard		<u>5.88</u>
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. 2"

Winter Freeboard from deck line	<u>6.28</u>
Summer " " " "	<u>5.88</u>
Indian Summer " " " "	<u>5.88</u>
N. A. Winter " " " "	

Winter Freeboard from deck line 5.88

Summer " " " " 5.88

Indian Summer " " " " 5.88

N. A. Winter " " " " 5.88

† 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? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulwark frames*
 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 *Hinged wood doors*
 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 *No openings*
 What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*
 Give scantlings and spacing of the Stiffeners *8x36 in Bulwarks spaced 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? *Storm boards in riveted channels full height openings*
 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? *Covered by a bridgehouse*
 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 *26 1/2 30 Coaming 36 Stiffeners 4x3x40 spaced 36 1/2 47 1/2*
 What is the height of the exposed Casings? *7* 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? *Yes* Give particulars below:—

Position and Size.	No. 1 39.0 x 28.0 A 9 23.6 F		No. 2 39.0 x 28.0		No. 3 13.2 x 15.0		No. 4 43.4 x 28.0		No. 5 41.2 x 28.0 F 9220A	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	30"		30"		30"		42		42	
Thickness { Sides.....	64		64		40		60		62	
{ Ends.....	40		40		36		40		40	
SHIFTING BEAMS OR WEB PLATES.										
Number	4		4		2		8		8	
Section and Scantlings	4x3x40 33x27x36		4x3x40 35x29x36		4x3x40 22x16x34		4x3x40 35x29x36		4x3x40 33x27x36	
Material	6" flange Steel		6" flange Steel		6" flange Steel		6" flange Steel		6" flange Steel	
* FORE AND AFTERS.										
Number										
Section and Scantlings	None									
Material										
HATCHES Thickness	3"									
Remarks.....	Fitted fore and aft.									

* 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 tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

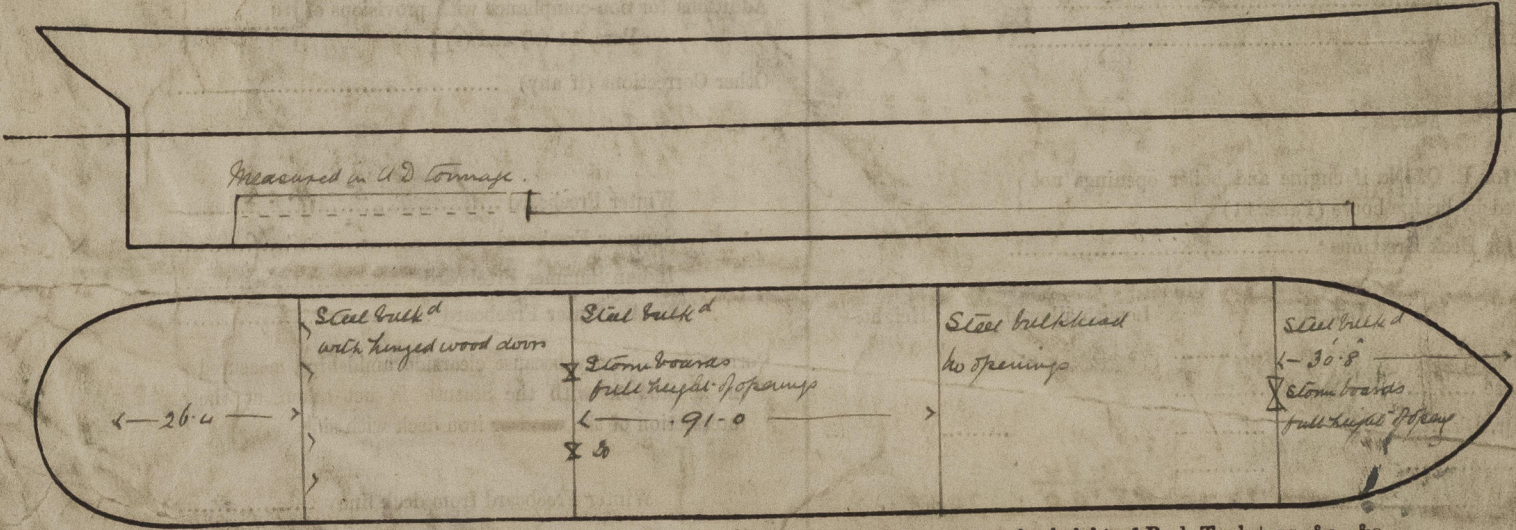
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

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	
	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. *This report refers to Brecon The Northumberland 5000 227*
The approved plans of which are enclosed and Reg. 9 attached

Owners _____
 „ Address _____
 Fee £ _____
 Received by me _____

