

PARTICULARS RELATING TO 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 *Middlesbrough*
Date of Survey *White Building*
Name of Surveyor *S. J. Baker*

Ship's Name. <i>Barbican</i>	Port of Registry and Nationality. <i>Cardiff British</i>	Official Number. <i>132880</i>	Gross Tonnage. <i>479.3</i>	Date of Build. <i>1913</i>	Particulars of Classification. <i>100 a1 contemplated</i>
Number in Register Book <i>47 mtdp</i>					

Registered dimensions from ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>380.2</i>	<i>50.9</i>	<i>28.0</i>	<i>4565.56</i>
Length on LOADLINE.	<i>379.5</i>	Frame Depth Rule <i>246.2-1.0</i>	Ceiling <i>28.0</i> Peak <i>29.2</i> Tanks <i>above</i> <i>Lead tank</i>	
	<i>379.5</i>	<i>49.9</i>	<i>29.2</i>	<i>4565.56</i>

of fineness.....*.82* ✓
ication necessary {
(a) to (e)*
as corrected*.80* ✓

Mean Sheer*91.47* ✓
Mean Sheer [Table, Para. 18]*47.95* ✓
Difference.....*43.52* ÷ 4 = *10.88*
as Para. 18 (f).....*11" - 10.88"*

At front of bridge house.....
At after end of forecastle
Mean Sheer (d) ÷ 2 =
Correction

ALLOWANCE FOR DECK ERECTIONS :—
Table C.....*4-7.16*
Length, if required (Para. 12, 13, and 14)*4-8.40*
Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)*7-1.60*
below.....*8.65*
29.61%
8.58

B. Q. Dk. if engine and boiler openings not by bridge house (Para. 11)
Deck Erections

Length.	Length allowed.	Height.
<i>31'-0"</i>	<i>32'-14"</i>	<i>7'-6"</i>
<i>110'-6"</i>	<i>110'-81"</i>	
<i>33'-9"</i>	<i>33'-87"</i>	
	<i>176.82</i>	<i>4659</i>
Ship	<i>379.5</i>	
ing percentage { A. 12, 13, and 14) {	<i>61</i> <i>29.58</i>	

BOARD 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 " " "

Moulded Depth as measured.....*30'-4"*
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.....*379.5* ✓
Length in Table*364.0* ✓
Difference*15.5* ✓
Correction for 10ft., Table A.*1.5* ✓
× Difference divided by 10*2.325* (if required.) *1.24* ✓
If 1/10ths length covered divide by 2 *+2.14* ✓ *+1.14* ✓

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered*4659*
Thickness of usual wood deck, less stringer*3 1/2* - *1 3/4*
3.52 × 4655 = 1.64

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships.....*49'-7"*
Round of Beam*1-1 1/8*
Normal round.....*1-0 1/8*
Difference*3/4 ÷ 2 = 3/8* ✓
Proportion of Deck uncovered (Para. 19)*120* - *1/4*

Freeboard, Table A*7-10.16*
Correction for Sheer*10.88*
6-11.28
Correction for Length*2.32*
7-1.60
Allowance for Deck Erections*8.65*
6-4.95
Correction for Round of Beam.....*2.0*
6-4.75
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required)*1.64*
6-3.11
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡
Other Corrections (if any)

Winter Freeboard*6'-3"*
Summer Freeboard*5'-9 1/2"*
Indian Summer Freeboard*5'-4"*
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. *+1 1/4* ✓

Winter Freeboard from deck line*6'-4 3/4"*
Summer " " "*5'-11 1/4"*
Indian Summer " " "*5'-4"*
N. A. Winter " " "*water allowance*

Amended Tables
March, 1906

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? *Butt 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 *Storm boards, full height, 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? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Two H. J. Winged doors*
 What is the thickness of the Bridge Front plating? *.4* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners *8 x 3 1/2 x .64 B & C 30 spacing*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *No. Rail run up*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Storm boards, full height, in permanent channels*
 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 *Yes*
 What is the height of the exposed Casings? *Yes* 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? Give particulars below:— *No approval*

Position and Size.		No. 10-12' x 20'		No. 20-25' x 20'		No. 25-30' x 20'		No. 30-35' x 20'		No. 35-40' x 20'	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	48"	As	36"	As	39"	As	39"	As	30"	As
	Sides.....	.4	Appd	.5	Appd	.5	Appd	.44	Appd	.48	Appd
	Ends.....	.36		.4		.4		.36		.4	
SHIFTING BEAMS OR WEB PLATES.	Number	26/30 x .4		Four		Four		Two		Three	
	Section and Scantlings	4 x 30 x .4		As not		As not		20/16 x .4		20/16 x .4	
	Material	Steel						Steel		Steel	
* FORE AND AFTERS.	Number	2nd		2nd		2nd		2nd		2nd	
	Section and Scantlings										
	Material										
HATCHES Thickness		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?*

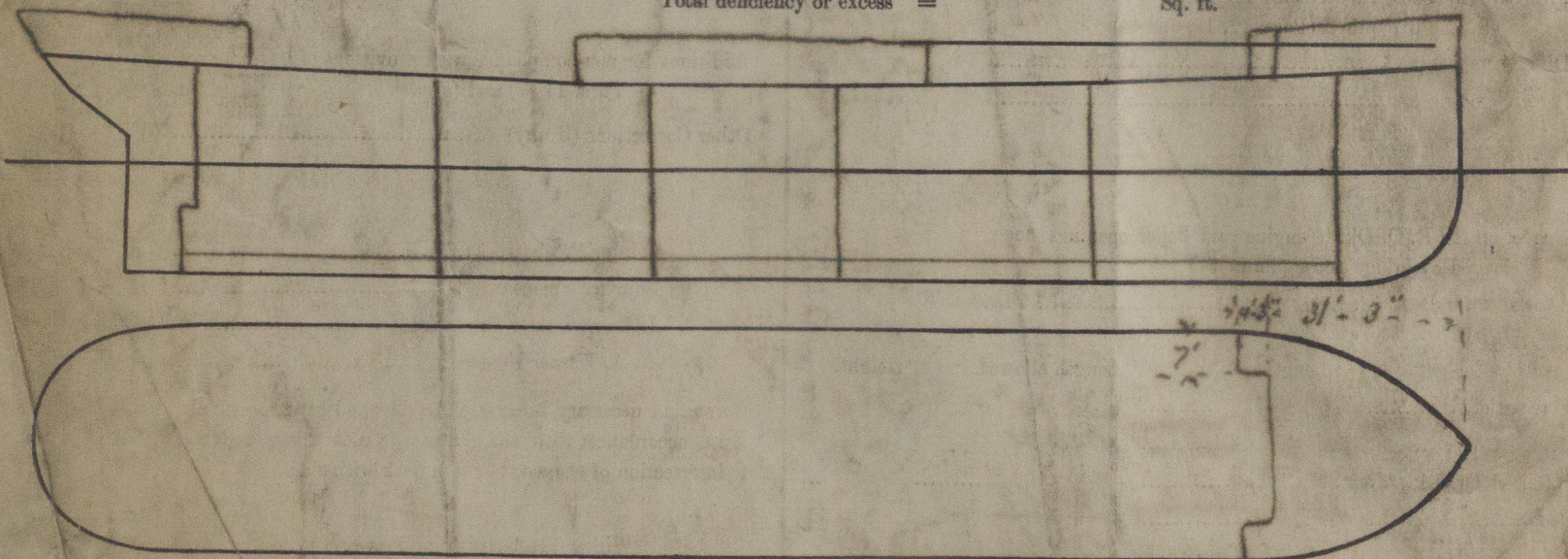
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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.	} Freeing Ports (each side of vessel)	=	Sq. ft.
x		x					
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 *Steel screw steamer, Butt angle framing*
Aluminum B.R., as per plans (2) herewith. Sister vessel to the S. K. Hamilton
Mdb. foreboard report No 7223.

Owners *Builder, Messrs. Rich & Co. Ltd*
 Address *Stockton-on-Tees*

Fee £

Received by me



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