

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES, HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Port of Survey NewcastleDate of Survey 6th Sep 1904Name of Surveyor A. Campbell

Delete words which do not apply.

Continuous shelter deck, 20' x 18" wide aft, fitted with shifting beams & hatch covers as per regulations.

Ship's Name. "**SS DURHAM**"
Hawthorn Leslie No 392
 Number in Register Book

Gross Tonnage.

Official Number.

Type of Ship.

Date of Build.

Particulars of Classification.

3-DK Rule with shelter deck

1904

* 100A1 (Contingent) shelter deck

Registered Length as shown by ship's register. 420.7 Breadth 54.0 Depth 28.65

Length on Loadline 420.7
 Breadth 54.0

Depth 28.65 plus 2 1/2 = 28.85
 Tons und. Dk. 5219.84 x 100

Co-efficient of fineness .79
 Any modification necessary [Para. 4 (a) to (e) *] .01 C.D.B. & deep framing
 Co-efficient as corrected .78

* Sheer { Stem 127 1/4 } gradual 80.50
 at { Sternpost 45 3/4 } 173 - 2 = 86 1/2 Mean
 Sheer at 1/2 of the length from { Stem 65 1/2 } 88 1/2 - 2 = 44 1/4 Mean
 { Sternpost 23 }

Gradual Sheer 80.50 52.07
 Standard Sheer (Table, Para. 16) 28.43 Correction
 Difference 7" ÷ 4 =

Rise in Sheer from amidships [Para. 16 (e)] { At front of bridge house
 { At after end of forecastle }

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 6'-2"
 Correction for Length, if required (Para. 12 and 13)
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) 8'-0 1/4"
 Difference 1'-10 1/4"
 Percentage as below 81%

Correction for R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house

Allowance for Deck Erections 18"

	Length.	Length allowed.	Height.
Forecastle <u>118.7</u>	<u>420.7</u>	<u>52.5</u>	<u>7'-11 1/2"</u>
Bridge House <u>(360-52.5) 3/4</u>	<u>230.62</u>		"
† Raised Q. Dk. <u>20 x 18</u>			
Poop <u>40 x 1/2</u>	<u>20.00</u>		"
Total	<u>303.12</u>	<u>420.6</u>	<u>303.12</u>
	<u>58.74</u>		<u>2</u>

Length of Ship 361.86 420.7 = 86

Corresponding percentage { 81% }

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	" " "	

* If the frames skin planking or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
 † In vessels obtaining an allowance for deck erections under Para 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.

Moulded Depth as measured 31'-9"

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 420.7
 Length in Table 381.0
 Difference 39.7
1.6
6.35

Correction for 10ft., Table A. Table C.
 × Difference divided by 10 3.17 (if required.)

If 1/10ths length covered and Poop or RQD is connected to Bridge divide by 2 for vessels coming under para. 11 + 3"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered shelter dk
 Thickness of usual wood deck, less stringer full length

-3 1/2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 52'
 Round of Beam 13
 Normal round 13
 Difference 1 ÷ 2 =

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

Proportion of Deck uncovered (Para. 17) ✓

Freeboard, Table A 8-7 1/4
 Correction for Sheer 7
8-0 1/4
 Correction for Length 3
8-3 1/4

Allowance for Deck Erections 1-6
6-9 1/4

Correction for Round of Beam ✓
 Correction for Iron Deck (if required) 3 1/2
6-5 3/4

Additions for non-compliance with provisions of Para. 11 (e) and (f) †

Other corrections (if any) ✓

Winter Freeboard 6-5 3/4

Summer Freeboard 5-11 1/4

N.A. Winter Freeboard ✓

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side. 2"

Winter Freeboard from deck line § 6-7 3/4

Summer " " " 6-1 1/4

N.A. Winter, " " " ✓

6'-1"

6 1/2

6 1/2

6 1/2

† State dimensions of freeing port area on back of this form.
 § Marked in accordance with Sec. 437, M. S. Act, 1894.

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DELETE WORDS WHICH DO NOT APPLY.

The Crew *are, are not,* berthed in the bridge house.

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 (f) each side of vessel

Sq. Ft.

Freeing Ports (each side of vessel)

Ft. Tenths. Ft. Tenths. No.

x x
x x

=

Sq. Ft.

Total deficiency =

Sq. Ft.

Total excess =

"

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop?

yes

Do. do. do. in the Raised Quarter Deck?

Do. do. do. Bridge House?

yes

Do. do. do. Forecastle?

yes

To what height do the Reverse Frames extend? *All to U Deck & alternately to fore-castle*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Open*

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or raised Quarter Deck connected with the Bridge House? *Continuous sheet deck no bulk in tween decks*

State whether the Bridge House efficiently covers the Engine and Boiler Openings

Has the Bridge House an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb Plates, etc.

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 Bulkhead at its after end?

yes

Are the Hatchways efficiently constructed? *yes* What is the thickness of the Hatches? *3"*

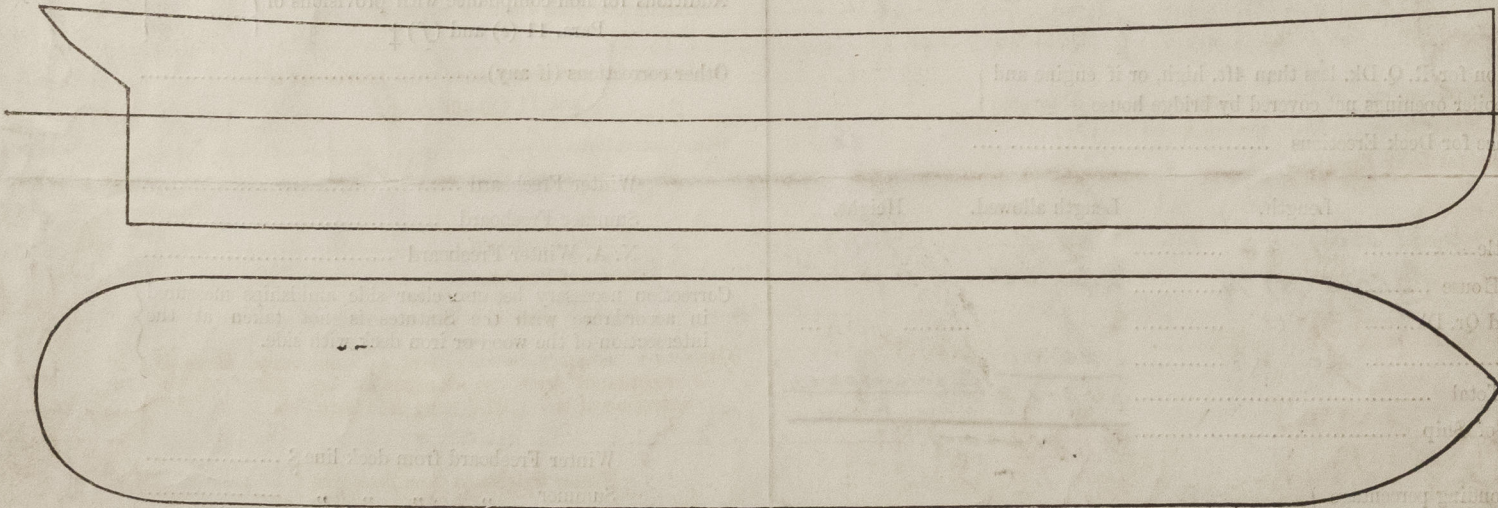
State the height of the Coamings in fore well? *30" sheet deck In after well 4" U Deck*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed?

yes

State any special features in the construction of the Vessel *11-foot 'tween decks*

The tonnage opening aft. is closed with hatches as per regulations. This is a sister vessel to the SS "Maipara" by the same builders, see report no 46424 ("Port Jackson", no "Maipara")



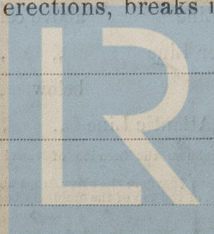
Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners

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Fee £

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