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Final report

Lloyd's Register of British & Foreign Shipping.

No. 44564

SURVEYS FOR FREEBOARD.

THUR. 8 SEP 1904

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 HOUSES.

Port of Survey Newcastle
Date of Survey 6th Sep 1904
Name of Surveyor A. Campbell Evans

Delete words which do not apply.

Continuous shelter deck, with shifting beams & hatchways as per regulations
Ship's Name. "**SS DURHAM**"
Number in Register Book Hawthorn Leslie No 392

Gross Tonnage.

Official Number.

Type of Ship.

Date of Build.

Particulars of Classification.

3-DK rule with shelter deck

1904

100A1 (Contemplated)
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

Moulded Depth as measured..... 31'-9" NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

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

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.
x Difference divided by 10 3.17 (if required.)

Co-efficient of fineness79
Any modification necessary [Para. 4 (a) to (e)*] .01 *C.D.B. + deep framing*
Co-efficient as corrected78

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

Sheer { Stem... 127 1/4 } *gradual 80.50*
at { Sternpost... 45 3/4 } 173 - 2 = 86 1/2 Mean
Sheer at 1/3 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"

CORRECTION FOR ROUND OF BEAM.

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

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

Proportion of Deck uncovered (Para. 17)

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

Freeboard, Table A 8-7/4
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

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"

Additions for non-compliance with provisions of Para. 11 (e) and (f) }
Other corrections (if any)..... ✓

	Length.	Length allowed.	Height.
Forecastle.....	<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 + 420.6 - 303.12</u>	
		<u>58.74</u>	<u>2</u>

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"

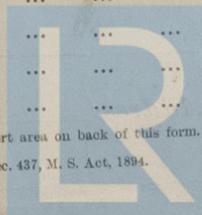
Length of Ship 361.86 + 20.7 = 420.7
Corresponding percentage (Para. 11, 12, or 13.) } 81%

Winter Freeboard from deck line § 6-7 3/4
Summer " " " " 6-1 1/4
N. A. Winter, " " " "

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—
Fresh Water Line above centre of Disc 6-1"
Indian Summer Line " " " " 6 1/2
Winter Line below " " " " 6 1/2
Winter North Atlantic Line " " " " ✓

† 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? yes

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 BH 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

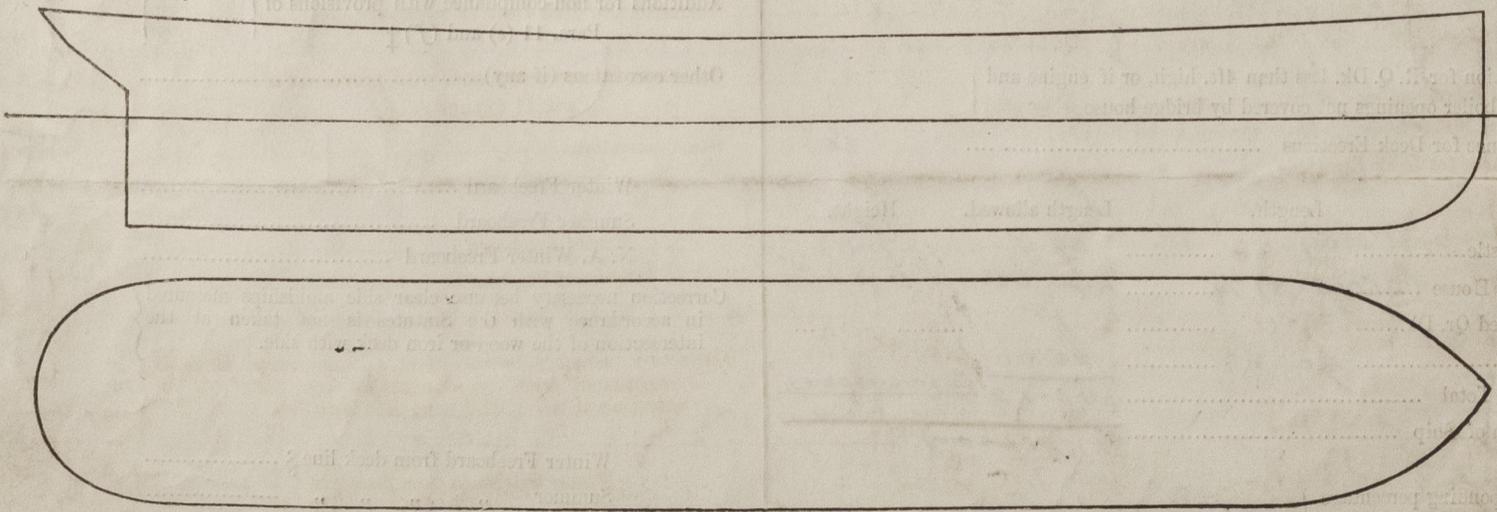
Are the Hatchways efficiently constructed? yes What is the thickness of the Hatches? 3"

State the height of the Coamings in fore well? 30" sheet dk In after well 9" 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 "Waipara" by the same builders, see report no H6H24 (Port Jackson, now "Waipara")



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

Owners

Address

Fee £

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