

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

SURVEYS FOR FREEBOARD.

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 15th JulyName of Surveyor J. C. Surpin

Ship's Name S.S. "Woodburn"
Number in Register Book ✓

Gross Tonnage 2154.15

Official Number. ✓Type of Ship. 2 Deck ruleDate of Build. 1900Particulars of Classification. + 100 A. 1. ContemplatedRegistered Length 302.9 Breadth 43.2 Depth 19.92Length on Loadline 302.9Breadth 43.2

Depth 19.92 Tons and Dk. 2154.15
260658.4446
260658) 2154150 (.834

Co-efficient of fineness .834Any modification necessary [Para. 4 (a) to (e)] .01 all 8th & deep framingCo-efficient as corrected .83 .82 higher in tables

Sheer { Stem... 93 } 144 ÷ 2 = 72 ... Mean
at { Sternpost... 31 }

Sheer at $\frac{1}{8}$ of the length from { Stem 51 } = 39.5 Mean
Sternpost 28 }

Standard Sheer (Table, Para. 16) 40.3 Correction
Difference 31.4 ÷ 4 = 7.925
Pay 8

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 2.6Correction for Length, if required (Para. 12 and 13) 2.8Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) 4.54Difference 1.94Percentage as below 36.6%
= 43/4Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house ✓*Allowance for Deck Erections ✓

| | Length. | Length allowed. | Height. |
|---|--------------|-----------------|--------------|
| Forecastle | <u>34.0</u> | <u>34.0</u> | <u>4.0</u> |
| Bridge House | <u>78.0</u> | <u>48.0</u> | <u>4.0</u> |
| Raised Qr. Dk. | <u>✓</u> | <u>✓</u> | <u>✓</u> |
| Poop | <u>24.84</u> | <u>24.84</u> | <u>4.0</u> |
| Total | | <u>136.84</u> | <u>45.14</u> |
| Length of Ship | | <u>302.9</u> | |
| Corresponding percentage (Para. 11, 12, or 13.) | | | <u>36.6%</u> |

Moulded Depth as measured 22.42

CORRECTION FOR LENGTH:—

Length of Ship on load line 302.9
Length in Table 265.5
Difference* 37.4
Correction for 10ft., Table A. 1.2 Table C. .6
× Difference* divided by 10 4.128 (if required.) 2.086
If $\frac{1}{10}$ ths length covered divide by 2. Pay + 4 1/4 + 2

CORRECTION FOR IRON DECK:—

Proportion covered, if less than $\frac{1}{10}$ ths length covered 45.14%
Thickness of usual wood deck, less stringer 3 1/2
= - 1 1/2

CORRECTION FOR ROUND OF BEAM:—

Round of Beam 10 3/4
Normal round 10 3/4
Difference ÷ 2 = ✓

Proportion of Deck uncovered (Para. 17) 51.83%Freeboard, Table A 4.9Correction for Sheer 4.1Correction for Length 4 1/4Allowance for Deck Erections 3.9 1/2Correction for Round of Beam 1 1/2Correction for Iron Deck (if required) ✓Additions for non-compliance with provisions of Para. 11 (e) and (f) ✓Other corrections (if any) 3.8Winter Freeboard 3.5Summer Freeboard 3.10N. A. Winter Freeboard 13/4Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the deck with side. 3.9 1/4Winter Freeboard from deck line 3.6 3/4Summer " " " 3.11 3/4N. A. Winter, " " " 3.6 1/2Fresh Water Line above centre of Disc 4 1/2Indian Summer Line " " " ✓Winter Line below " " ✓Winter North Atlantic Line " " " ✓

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line:—

Fresh Water Line above centre of Disc

Indian Summer Line " " "

Winter Line below " "

Winter North Atlantic Line " " "

* Particulars should be stated on the back of this Form as to the character of the Erections, and whether closed in or not.

† State dimensions of freeing port area on the back of this form. Marked in accordance with Sec. 25, 76.

14705

ERASE 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 $\times 2 \div$ = Sq. Ft.
Freeing Ports

| Ft. | Tenths. | Ft. | Tenths. | No. | } | = Sq. Ft. |
|----------|---------|----------|---------|----------|---|-----------|
| \times | | \times | | \times | | |
| \times | | \times | | \times | | |

Total deficiency = Sq. Ft.

Total excess =

CHARACTER OF DECK ERECTIONS.

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

Do. do. do. do. Raised Quarter Deck? *✓*

Do. do. do. do. Bridge House *Ultimate Bulk frames & intermediate plain angles*

Do. do. do. do. Forecastle? *Yes (As per Rule in plates)*

To what height do the Reverse Frames extend? *As per Rule in plates*

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

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

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

Are efficient Doors fitted to the Passage Ways? *Closed front*

Describe how and to what extent it is Stiffened, by angle Irons, Bulb Plates, or otherwise *2 Angles 8" x 3" x 1/2" Run up 4 ft*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

Are efficient Doors fitted to the Passage Ways? *Wood Slitters*

Are efficient Iron Doors fitted to the Passages of the Bridge House, or is it entered from above? *✓*

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *Yes*

Are the Hatchways efficiently constructed? *Yes* State the height of the Coamings *4 1/2"*

Are the Hatches solid? *Yes* What is their thickness? *2 1/2"*

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

State any special features in the construction of the Vessel *This vessel is a Lister*

Ship is the S.S. "Hartburn" by the Lane Builders & N/C. Freeboard Report No: 40244.

The approved plans are enclosed for reference.

*2 Plans returned 18.10.07
J.P.W.*

Owners

Address

Fee £

Received by me

Fee £ 4 : 4 :

Received by me

Fee applied for 1/5/06



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Foundation