

EXT

LOW SIDE
16/61-2

28 NOV 1928

32989.

Rpt. 11b.

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS. 10.076

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 Belfast.
Date of Survey Building
Name of Surveyor Jas J Rennie

Hawkins & Watts' Yard No 800
Ship's Name.
T.M.S. "HIGHLAND CHIEFTAIN"

Number in Register Book

Port of Registry and Nationality.

Belfast
British

Official Number.

Gross Tonnage.

Date of Build.

Particulars of Classification.

+ 100A1 with freeboard
(contemplated)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	523.4'	69.4'	37.15'	11604.89
Length on LOADLINE.	520.0'	Frame Depth 7' Rule " 7' Insulation fitted	Ceiling fitted Sheer + .32' To DB at ends extended 39.96'	Peak } Included Tanks, Raised DB in Masts Span + 89 tons for Cruiser Stern - 97 tons
CORRECTED DIMENSIONS.	520.0'	69.4'	40.28	11596.89

Co-efficient of fineness..... 798.

Any modification necessary
[Para. 4 (a) to (e)]* CDS -

Co-efficient as corrected 78.

Sheer { Stem 110" } 155.0" ÷ 2 = 77.5" - Mean 36/11/63
at Sternpost ... 45" } 200.25 ÷ 2 = 50.12
Gradual - 12.73
Sheer at $\frac{1}{2}$ of the length from { Stem 57.5 } 81.0" ÷ 2 = 40.5" - Mean
Sternpost 23.5" } + .55 = 73.63" -
Gradual mean Sheer 72.68 - 50.12
Standard mean Sheer [Table, Para. 18] 44.95 Correction
Difference 5.17 ÷ 4 = 2.91.29
§ If limited as Para. 18 (f) 5.17 - 3" = 1.14

Rise in Sheer { At front of bridge house ✓
from amidships } At after end of forecastle ✓
[Para. 18 (e)]

Fall in Sheer { Para. 18 (d) } ✓ ÷ 2 = ✓

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :—
Freeboard, Table C (12'-10 3/4" - 3'-3") 9' - 7 3/4"
Correction for Length, if required (Para. 11, 13, and 14) - 0 1/4" 9' - 7 1/2"
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 11, 13, and 14) 12'-X10" 3'-2 1/2" - 1 1/2" 17.62 21.59
Difference 3'-2 1/2" - 1 1/2" 7.63" 6.78

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓ 6 3/4" - 7 3/4"

Allowance for Deck Erections ✓

	Length.	Length allowed.	Height,
Forecastle.....	101.0	96.20	8.0'
Bridge House	97.0	85.88 48.5"	8.5'
+ Raised Qr. Dk.....	✓	✓	✓
Poop.....	✓	✓	✓
Total 198.0	138.1	182.08	350
Length of Ship 520.0	520.00	278	

Corresponding percentage (Para. 11, 13, etc.) 17.62 21.59

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 " " "

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.
In flush-decked vessels the standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the one eighth of the vessel's length from stem and stern-post.

Moulded Depth as measured 43'-9"

Rule word like less Stringer 3 1/2"

Actual " " " " 2 1/2" - 1" 43'-8" +

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 520.0'

Length in Table 524.0'

Difference 4.0'

Correction for 10ft., Table A. 1.7'

x Difference divided by 10 68"

If $\frac{1}{16}$ ths length covered divide by 2 - 3/4"

Table C. 8 -

(if required.) 32 -

- 1/4" -

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered

Thickness of usual wood deck, less stringer 3 1/2" -

2 1/2" wood sheathing in Bridge 1/2" Asphalt where exposed.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 69'-0"

Round of Beam 6"

Normal round 17 1/4"

Difference 11 1/4" ÷ 2 = 5 5/8"

Proportion of Deck uncovered (Para. 19) 61.9

= 3.48 + 3 1/2" -

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

Freeboard, Table A 12'-10 3/4" -

Correction for Sheer - 2 1/4" - 1/4"

Correction for Length 12' - 7 3/4" 9 1/2" -

- 0 3/4" -

12' - 7 3/4" 4" -

- 7 3/4" 6 3/4" -

11 1/2" 12' - 2"

+ 3 1/2" -

12' - 8 3/8" 5 1/2" -

Correction for Fall in Sheer (if any) ✓

2 1/2" Wood on Steel in Bridge 1/2" Asphalt

Correction for Deck (if required) where exposed.

Allotted in Reduced Mid Depth

Reduction in Mid Depth

Other Corrections (if any) for Seaworthy and to

correspond to approved model and mid-

division draught of 28'-0" for all seasons

3'-0" 6 1/2" 16'-0" -

16'-0" -

Winter Freeboard }

Summer Freeboard }

Indian Summer Freeboard }

N. A. Winter Freeboard }

Correction necessary because clearside midships, measured

in accordance with the Statute is not taken at the

intersection of the wood deck with side.

+ 1/2" -

Winter Freeboard from deck line }

Summer " " " " }

Indian Summer " " " " }

N. A. Winter " " " " }

16'-0" - for all seasons -

7" -

16'-0" -

back of this form.

State dimensions of freeing port area on

sheer as reported is measured relatively to the straight

The Surveyor should state whether the fall

line of the water line. If measured relatively to water line the vessel's draft at time of

survey, and also the usual load draft for

and act should be reported.

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