

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

**CAMBAY STAR**  
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 **17SWICH.**  
Date of Survey **27<sup>th</sup> September 1920**  
Name of Surveyor **A. G. Farmer**

Ship's Name <b>S. S. "Hynstone"</b>	Port of Registry and Nationality <b>Llanelli British</b>	Official Number <b>145571</b>	Gross Tonnage <b>500</b>	Date of Build <b>1920</b>	Particulars of Classification <b>+100 A.1. contemplated</b>
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LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<b>168'</b>	<b>27'55"</b>	<b>10'05"</b>	<b>436.38</b>
Length on LOADLINE.	Rule	Ceiling	Peak
<b>168'</b>	<b>27'30"</b>	<b>11'92"</b>	<b>436.38</b>

Moulded Depth as measured.....	<b>13'-4"</b>
Addition for Keel below base line for draught record.....inches.	
CORRECTION FOR LENGTH.	
Length of Ship on Loadline.....	<b>168</b>
Length in Table .....	<b>160</b>
Difference .....	<b>8</b>
Correction for 10ft., Table A. ....	<b>.9</b> Table C. <b>.5</b>
× Difference divided by 10 .....	<b>.72</b> (if required.) <b>.40</b>
If 1/10ths length covered divide by 2	<b>+ 3/4</b> <b>+ 1/2</b>

Co-efficient of fineness.....	<b>.80</b>	<b>.798</b>
Any modification necessary [Para. 4 (a) to (e)]*	<b>60%</b>	
Co-efficient as corrected .....	<b>.78</b>	
R.Q.D.K. at 1/4 of the length from { Stem <b>16'-3"</b> } <b>35</b> } <b>59</b> } <b>29.5</b> Mean		
Sternpost <b>19'-4"</b> } <b>24</b> } <b>4</b> } <b>.55</b> } <b>53.64</b>		
Gradual mean Sheer .....	<b>29.5</b>	Correction
Standard mean Sheer [Table, Para. 18] .....	<b>16.08</b>	
Difference.....	<b>13.42</b>	<b>÷ 4 =</b>
§ If limited as Para. 18 (f) .....	<b>16.08</b>	<b>÷ 2 = 8.04</b> <b>÷ 4 = 2</b>

CORRECTION FOR IRON DECK.	
Proportion covered, if less than 1/10ths length covered .....	<b>.55</b>
Thickness of usual wood deck, less stringer .....	<b>1.65</b> <b>- 13/4</b>

Rise in Sheer from amidships [Para. 18 (e)]	{ At front of bridge house.....
	{ At after end of forecastle .....
Fall in Sheer [Para. 18 (d)]	<b>÷ 2 =</b>
Length uncovered .....	Correction

CORRECTION FOR ROUND OF BEAM.	
Breadth at Gunwale amidships.....	<b>27'</b>
Round of Beam .....	<b>6"</b>
Normal round.....	<b>6.75</b>
Difference .....	<b>.75</b> <b>÷ 2 = .375</b>
Proportion of Deck uncovered (Para. 19) .....	<b>.45</b> <b>.17</b> <b>+ 1/2</b>

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<b>5 1/4</b>
Correction for Length, if required (Para. 12, 13, and 14) .....	<b>+ 1/2</b>
Freeboard by Table A. corrected for shear, and for length, if required (Para. 12, 13, and 14) .....	<b>2 - 2 1/4</b>
Difference .....	<b>1 - 8 1/2</b>
Percentage as below.....	<b>35.28%</b>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....	<b>- 7 1/4</b>
Allowance for Deck Erections .....	<b>7.23</b>

Freeboard, Table A .....	<b>2 - 1 1/2</b>
Correction for Sheer .....	<b>- 2</b>
Correction for Length .....	<b>+ 2 - 0 1/4</b>
Allowance for Deck Erections .....	<b>- 7 1/2</b>
Correction for Round of Beam.....	<b>+ 1 - 5 1/4</b>
Correction for fall in Sheer (if any).....	<b>- 13/4</b>
Correction for Iron Deck (if required) .....	<b>- 1 - 3 1/2</b>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any) .....	

Forecastle.....	Length. <b>23'-9"</b>	Length allowed. <b>23.75</b>	Height. <b>7'-6"</b>
Bridge House .....			
† Raised Qr. Dk.....	<b>69'-0"</b>	<b>69</b>	<b>4'-0"</b>
Poop.....			
Total .....		<b>92.75 × 8 =</b>	
Length of Ship .....		<b>168</b>	
Corresponding percentage (Para. 11, 12, 13, or 14) .....			<b>4.11 eight</b>

Winter Freeboard .....	<b>1 - 3 1/2</b>
Summer Freeboard .....	<b>1 - 1 3/4</b>
Indian Summer Freeboard .....	<b>1 - 0</b>
N. A. Winter Freeboard .....	<b>1</b>
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.	
Winter Freeboard from deck line .....	<b>1 - 4 1/2</b>
Summer " " " " .....	<b>1 - 2 3/4</b>
Indian Summer " " " " .....	
N. A. Winter " " " " .....	
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....	<b>1 - 2 1/2</b>

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	" " "

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Do all the Frames extend to the top height in the Poop?  Raised Quarter Deck? *Yes* Bridge House?  Forecastle? *Bulk'd at main deck*

To what height do the Reverse Frames extend? *Across floor only.*

Has the ~~Reverse~~ Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *None*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating?  and Coaming plate?

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners?  Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*

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? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Iron*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Raised Quarter deck. + Steel deck house casing*

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 *Coaming 3/8" Plating 3/16" Stiffeners 2 1/2" x 2 1/2" x 25" 30" Spacing*

What is the height of the exposed Casings? *7'-0"* 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:—

Position and Size.		Main. 48'-10" x 16'-0"									
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	4'-3"									
	Thickness	Sides.....	4 1/4"								
		Ends.....	4 1/4"								
SHIFTING BEAMS OR WEB PLATES.	Number .....	15									
	Section and Scantlings .....	3/16 Plate	16" deep at cr.								
	Material .....	Double angle top + bottom 4" x 3" x 1/4"									
* FORE AND AFTERS.	Number .....	None									
	Section and Scantlings .....										
	Material .....										
HATCHES	Thickness .....	1 1/2" x 3"									
	Remarks.....	Time.									

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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~~ satisfactory.

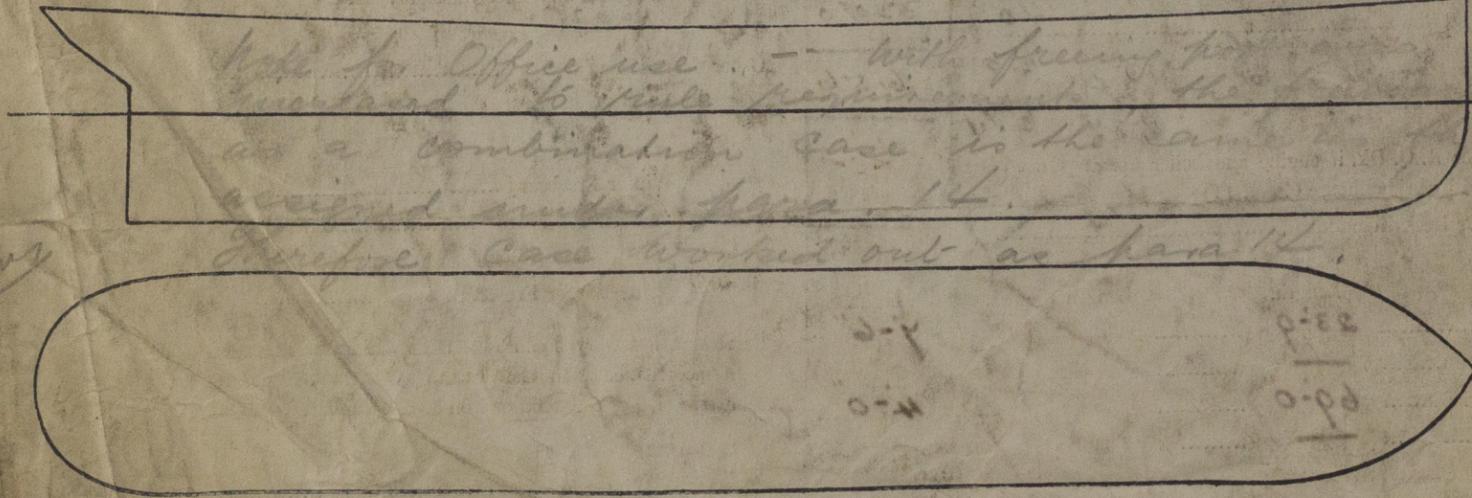
Length of Bulwarks in well- *88'-0"*

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. *Para 14 case*

*2.25 x 1.5 x 5 each side*

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 \_\_\_\_\_

Owners \_\_\_\_\_

Address \_\_\_\_\_

Fee £ \_\_\_\_\_

Received by me \_\_\_\_\_