

## Lloyd's Register of British &amp; Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS. Verification

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 20<sup>th</sup> Feb 1923.*  
Name of Surveyor *S. Kendall.*

*Harland & Wolff N<sup>o</sup> 591*

Ship's Name. *"INVERAVON"*  
Number in Register Book *79429.*  
Port of Registry and Nationality. *London*  
*British*  
Official Number. *146709*  
Gross Tonnage. *6906.53*  
Date of Build. *1923*  
Particulars of Classification. *100 A1 Shelter Deck with freeboard.*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>412.6</i>	<i>55.8</i>	<i>34.45</i>	<i>6100.21</i>
Length on LOADLINE.	<i>411.5</i>	Frame Depth <i>14 1/2</i> Rule <i>" 7"</i> <i>2 x 7 1/2</i> <i>= 1.25</i>	Ceiling <i>+ .20</i> Sheer <i>+ .05</i> <i>9" planking in turn Dks -32</i> <i>Curves -20</i> <i>Stern</i>	<i>no sparring say -30</i>
CORRECTED DIMENSIONS.	<i>411.5</i>	<i>54.55</i>	<i>34.70</i>	<i>6108.21</i>

efficient of fineness..... *77.79*  
modification necessary *C. 98. as if single bottom.*  
efficient as corrected..... *77*

Stem..... *75*  
Sternpost..... *82*  
 $157 \div 2 = 78.5$  Mean  
Stem *32*  
Sternpost *32*  
 $\div 2 =$  Mean  
radial mean Sheer..... *52.875*  
standard mean Sheer [Table, Para. 18]..... *51.15* Correction *- 1/2*  
Difference..... *1.725*  
 $\div 4 =$

If limited as Para. 18 (f).....  
*sheer for 184 ft amidships frames 45 to 108*

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

Fall in Sheer {  
Para. 18 (d) {  
length uncovered..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *10'-8 3/4" - 3'-2 1/2"*  
Correction for Length, if required (Para. 12, 13, and 14)..... *7'-6 1/4"*  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)..... *10'-1 1/4"*  
Difference..... *2'-10 1/4"*  
Percentage as below..... *13.2%*

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11).....  
Allowance for Deck Erections..... *- 4 1/2"*

	Length.	Length allowed.	Height.
Forecastle.....	<i>40'</i>	<i>40'</i>	<i>8.0'</i>
Bridge House.....	<i>320 x 20 = 4' x 1/2"</i>	<i>46.1</i>	<i>7.0'</i>
+ Raised Qr. Dk.....			
Poop.....		<i>86.1</i>	<i>209'</i>
Total.....		<i>411.5</i>	
Length of Ship.....			
Corresponding percentage { (Para. 12, 13, or 14).....			<i>13.2%</i>

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 " " "

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Moulded Depth as measured..... *38'-0 1/2"*  
*Wood Deck less stringer*  
*addition for keel below base line*  
*for draught record = 2 1/2"*  
*37'-9"*

## CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *411.5*  
Length in Table..... *453.0*  
Difference..... *41.5*  
Correction for 10ft., Table A..... *1.7* Table C. *41.5*  
 $\times$  Difference divided by 10..... *7.05* (if required.) *3.32*  
If 1/10ths length covered divide by 2..... *-7"* *-3 1/4"*

Proportion covered, if less than 1/10ths length covered.....  
Thickness of usual wood deck, less stringer.....  
*allowed in moulded depth.*

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *55.46*  
Round of Beam..... *nil*  
Normal round..... *13.86*  
Difference..... *13.86*  
Proportion of Deck uncovered (Para. 19)..... *623 = 4.3' long + 4 1/4"*

Freeboard, Table A..... *10'-8 3/4"*  
Correction for Sheer..... *- 1/2"*  
Correction for Length..... *- 7"*  
Allowance for Deck Erections..... *- 4 1/2"*  
Correction for Round of Beam..... *+ 9'-8 3/4"*  
Correction for fall in Sheer (if any)..... *10'-1"*  
Correction for Iron Deck (if required) *allowed in Moulded depth*  
Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) {  
Other Corrections (if any).....

Winter Freeboard..... *10'-1"*  
Summer Freeboard..... *9'-6"*  
Indian Summer Freeboard..... *8'-11"*  
N. A. Winter Freeboard.....

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the *steel* or iron deck with side. *nil*

Winter Freeboard from deck line..... *10'-1"*  
Summer " " "..... *9'-6"*  
Indian Summer " " "..... *8'-11"*

State dimensions of freeing port area on back of this form.  
The Surveyor should state whether the fall in sheer as reported is measured relatively to the line of keel or to the water line. If measured relatively to water line, the survey, and also the usual load draft forward and aft, should be reported.

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Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? *Yes*

To what height do the Reverse Frames extend? *Upper Deck*

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

Give particulars of the means for closing the openings in Bulkhead ☒

Is the Poop or Raised Quarter Deck connected with the Bridge House? ☒ 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? ☒

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? *Yes*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by trunk 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 *44 Stiffeners 3 1/2 x 3 1/2 x .38 spaced 35 bracketed at top*

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:— *Oil tight covers*

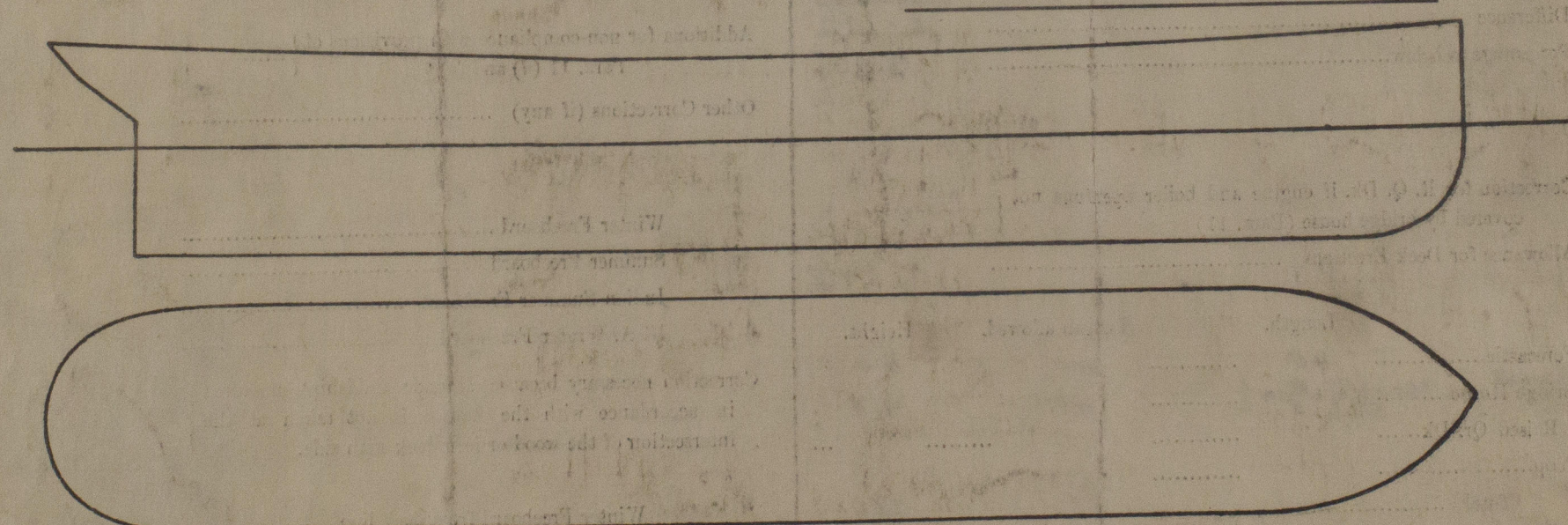
Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
Item.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
COAMING	Height above top of DECK																
	Thickness { Sides.....																
	{ Ends.....																
SHIFTING BEAMS OR WEB PLATES	Number .....																
	Section and Scantlings .....																
	Material .....																
* FORE AND AFTERS	Number .....																
	Section and Scantlings .....																
	Material .....																
HATCHES Thickness .....																	
Remarks.....																	

\* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.  
 (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 not satisfactory.

Length of Bulwarks in well							Sq. ft.
Area of Freeing Ports required by Para. 11 (e) each side of vessel					=		
Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel)	=	Sq. ft.
x		x					
x		x					
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 *N-Type Standard vessel carrying fuel oil in circular tanks. Duplicate of the same Builders Nos 589, 590 and 641 S.S. Inverlith, Inverurie and Invergoil Belfast Reports 8487, 8566 and 8820*

Owners

Address

Fee £ 12 : 0 : 0 Received by me *See F.C. Report.*