

## Lloyd's Register of Shipping.

Index No. 31515  
(For London Office only.)

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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 *Glasgow*Date of Survey *White Building*Name of Surveyor *J. M. H. W. S.*

Ship's Name.

*"INVERGLASS"*

Port of Registry and Nationality.

*British*

Official Number.

*148508*

Gross Tonnage.

Date of Build.

*1924*

Particulars of Classification.

*100 A.1. Shell. & K. with freeboard*

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>412.75</i>	<i>55.70</i>	<i>34.45</i>	<i>6225.22</i>
Length on LOADLINE.		Frame Depth <i>42</i>	Ceiling <i>+20</i>	Peak <i>9</i>
		Rule <i>71</i>	Sheer <i>+25</i>	Tanks <i>-32</i>
		<i>72</i>	<i>1.25</i>	<i>Origin Stern</i>
		<i>20 Spanning +33</i>		<i>-20</i>
CORRECTED DIMENSIONS.	<i>411.5</i>	<i>54.78</i>	<i>34.72</i>	<i>6173.22</i>

Co-efficient of fineness.....*789*Any modification necessary { *Cell & Bot.*

[Para. 4 (a) to (e)]\*

efficient as corrected .....*77*Sheer { Stem.....*75* } *156 ÷ 2 = 78* ...Mean  
{ Sternpost ...*81* }at  $\frac{1}{8}$  of the length from { Stem *32.2* } *65 ÷ 2 = 32.5* ...Mean  
{ Sternpost *32.2* }ual mean Sheer .....*PLATTED 52.875*ard mean Sheer [Table, Para. 18] .....*51.15* CorrectionDifference.....*1.725 ÷ 4 = .43*

limited as Para. 18 (f) .....

*Sheer from frame 45 to frame 108*e in Sheer { At front of bridge house.....✓  
a amidships {  
ra. 18 (e) } At after end of forecastle .....✓all in Sheer {  
ara. 18 (d) } ÷ 2 =

gh uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

board, Table C..... <i>10.8 3/4 - 3.2 1/2</i>	<i>7.6 1/4</i>
rection for Length, if required (Para. 12, 13, and 14) .....	<i>- 3 1/4</i>
board by Table A, corrected for sheer, and for length, { if required (Para. 12, 13, and 14) }	<i>7.3</i>
erence .....	<i>10.1 1/4</i>
centage as below.....	<i>2.10 1/2</i>
	<i>13.22</i>

rection for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

owance for Deck Erections .....*4 1/2*

	Length.	Length allowed.	Height.
recastle.....	<i>40.0</i>	<i>40.0</i>	<i>8.0</i>
edge House.....	<i>320 × 20 ÷ 55.46 × 4 ÷ 2</i>	<i>46.1</i>	<i>7.0</i>
Raised Qr. Dk.....			

Total .....*86.1 : 209*

Length of Ship .....

Corresponding percentage { *13.2%*

(Para. 12, 13, and 14)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—

Fresh Water Line	above centre of Disc	...
Indian Summer Line	"	...
Winter Line	below	...
Winter North Atlantic Line	"	...

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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 total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and sternpost.Moulded Depth as measured.....*38.6 1/2**wood deck less stringer* *3 1/2**37.9*Addition for Keel below base line for draught record.....inches. (*Drift 28.9 to be put on*  
*from bottom of keel to base of hull as below*)

## 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. ....*.8*× Difference divided by 10 .....*7.05* (if required.) *3.32*If  $\frac{1}{10}$ ths length covered divide by 2 *-7* *-34*

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered *7.41.097* *Drift 320 × 20 ÷ 411.5 × 45.46 = .280*Thickness of usual wood deck, less stringer .....*3.77**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 ÷ 2 = 6.93*Proportion of Deck uncovered (Para. 19) .....*6.23* *4.31**+44*Freeboard, Table A .....*10.8 3/4*Correction for Sheer .....*10.8 1/4*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).....*4 1/4*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 wood or steel deck with side. *nil*Winter Freeboard from deck line .....*10.1*Summer " " " .....*9.6*Indian Summer " " " .....*8.11*N.A. Winter " " " .....*9.6*SHELTER " " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*" " " .....*7*



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 with Passageway*

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 Bulk Continuation of Expansion Trunk*

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 Skiff 3 1/2 x 3 1/2 x 38 spaced 35"*

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: *Yes*

Position and Size.		<i>No Cargo Hatch</i>							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	<i>O.T. hatch on expansion trunk</i>				<i>2' 6" high x .38</i>		<i>Oil Light Comp.</i>	
	Sides	<i>O.T. hatch on Shell deck</i>				<i>2' 6" high x .38</i>		<i>d.</i>	
	Ends	<i>W.T. hatch on Shell deck</i>				<i>6' high x .475</i>		<i>W.T. Cover</i>	
SHIFTING BEAMS OR WEB PLATES.	Number								
	Section and Scantlings								
	Material								
* FORE AND AFTERS.	Number								
	Section and Scantlings								
	Material								
HATCHES Thickness		<i>Steel Comp. airtight and watertight.</i>							
Remarks									

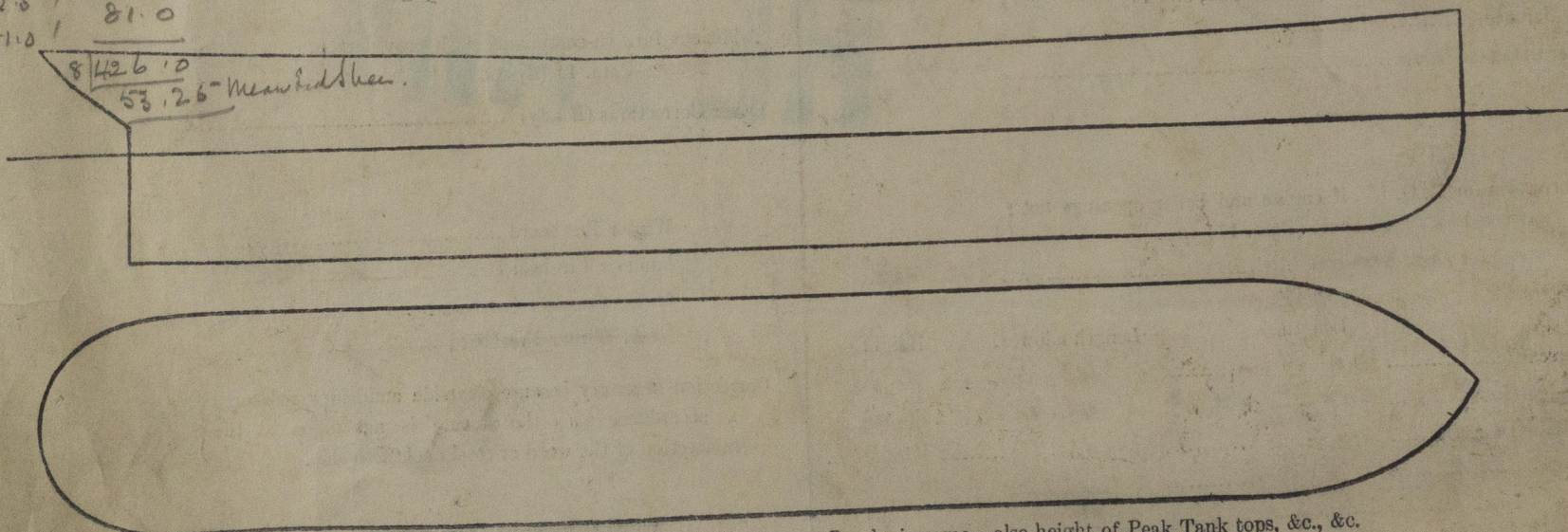
\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge 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? ☒

*Shore*  
Delete the words that 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 \_\_\_\_\_ Sq. ft.  
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.  
Total deficiency or excess = \_\_\_\_\_ Sq. ft.

*Stem 75.0 1 75.0  
1/8 L 32.5 4 130.0  
3/4 L 115.2 3.0  
5/8 L 4  
2 2  
3/8 L 4  
1/4 L 3.5 2 7.0  
1/8 L 32.5 4 130.0  
S.P. 81.0 1  
842.6 10  
53,265 Moulded Sheer.*



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 *2 masts. Mid sec profile encl. for reference*

Builder's name and yard number *Wm. Denny & Sons. No. 1123*

Names of sister vessels *S.S. Invigordon John Brown No 644C Yes. Ref. 41372*

Owners *British India Petroleum Co. Ltd.*

Address

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Received by me

*See F. B. Report*



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