

SURVEYS FOR FREEBOARD.—STEAM SHIPS

Port of Survey West Hartlepool  
Date of Survey Whilst building  
Name of Surveyor H. A. Brydon.

Port of Registry  
and Nationality.  
*London.*  
*British*

Official  
Number.  
140322

Gross  
Tonnage.  
2648.

Date of Build.

Particulars of Classification.

100 A. 1. Steel for Government Service  
carrying Oil Fuel in bulk.  
Contemplated.

Moulded Depth as measured..... 25'-6"

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.....	320.0	✓
Length in Table .....	306.0	✓
Difference .....	14.0	✓
Correction for 10ft., Table A. ....	1.3	Table C. ✓
× Difference divided by 10 .....	1.82	(if required.)
If <sup>6</sup> / <sub>10</sub> the length covered divide by 2	.91	
		+1

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ the length covered .....	. 60
Thickness of usual wood deck, less stringer .....	3/4

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships.....	40.10
Round of Beam.....	10 <sup>1</sup> / <sub>2</sub>
Normal round.....	10 <sup>1</sup> / <sub>4</sub>
Difference .....	÷ 2 = .....
Proportion of Deck uncovered (Para. 19) .....	

Freeboard, Table A .....	5 - 5 $\frac{1}{2}$	
Correction for Sheer .....	-	1 $\frac{3}{4}$
	5 - 3 $\frac{3}{4}$	
Correction for Length .....	+	1
	5 - 4 $\frac{3}{4}$	
Allowance for Deck Erections .....	-	1 - 1 $\frac{1}{4}$
	4 - 3 $\frac{1}{2}$	
Correction for Round of Beam.....	✓	
Correction for fall in Sheer (if any).....	✓	
Correction for Iron Deck (if required) .....	-	2
	4 - 1 $\frac{1}{2}$	

Additions for non-compliance with provisions of } ..... {  
 Para. 11 (d) and (e) ‡  
 Other Corrections (if any) *Scantlings to correspond* +  $\frac{1-1}{5-2\frac{1}{2}}$   
*with draught desired by Admiralty*

### ALLOWANCE FOR DECK ERECTIONS :—

Winter Freeboard .....	} 5' 2 $\frac{1}{2}$ ✓	4-1 $\frac{1}{2}$
Summer Freeboard .....		3-9
Indian Summer Freeboard .....		3-4 $\frac{1}{2}$
N. A. Winter Freeboard .....		4-3 $\frac{1}{2}$

Correction necessary because clearside amidships, measured  
in accordance with the Statute is not taken at the } + 1 1/2 ✓  
intersection of the wood or iron deck with side.

Winter Freeboard from deck line .....	}	5'-4" -	4	3
Summer " " " " .....			3	6
Indian Summer " " " " .....			2	6
N.A. Winter " " " " .....			1	5

N. A. Winter, " " " .....  
 (Iron) Deck: — " " " ..... 5' - 4" For all Seasons

(Iron) Deck :- ... 5-4 For all Seasons.  
... 5

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The Surveyor should state whether the fall in sheer as proposed is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the net load draft forward and aft, should be reported.

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

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

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.

Obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidship of the B.Q.D. is to be taken from the level of the top of the amidship beam.

Vessel's total standard mean sheer means the sheer measured at the stem and stern-ends having poops and forecsts., it means the sheer measured at points distant from the vessel's length from stem and stern-post.

P.T.O.



Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*  
 To what height do the Reverse Frames extend? *Longitudinal Framing 21 to 47*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *No openings*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *No openings*  
 What is the thickness of the Bridge Front plating? *.38* and Coaming plate? *.42*  
 Give scantlings and spacing of the Stiffeners *7' x 3' x .52 Bulk Angles spaced 30" apart*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*  
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*  
 How are the openings closed? *N. I. Doors*  
 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? *Yes*  
 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 *Oil Tight Hatchways*  
 What is the height of the exposed Casings? *Are suitable means provided for closing all openings in them in bad weather?*  
 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.	Item.	Ship.	Rule.	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

Area of Freeing Ports required by Para. 11 (e) each side of vessel =

Ft. Tenths. Ft. Tenths. No.

x

x

x

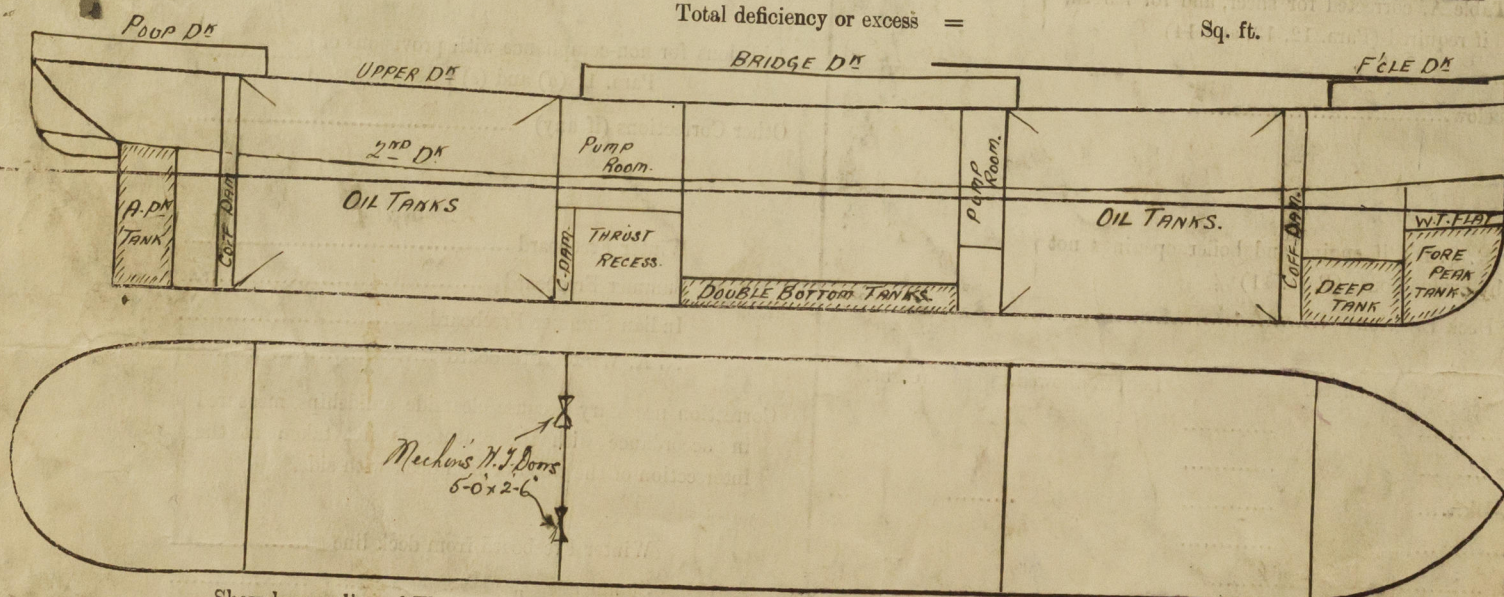
Freeing Ports  
(each side of vessel) =

Sq. ft.

Sq. ft.

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 *This vessel (now completing afloat) has been built in accordance with the approved plans of Midship Section Profile forwarded herewith for reference. Request form No. 9 attached.*  
*H. R. Brydon 18th/7/17*

Owners

Address

Fee £

Received