Rpt. 11b.

British Francis 25306

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Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Request from Mr Wheldon

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.~~

Sir W. G. Armstrong Whitworth & Co Yd No 893

Port of Survey: Newcastle on Tyne.
Date of Survey: 27th August 1917.
Name of Surveyor: Thomas S. Shute

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
British Ensign.	London British	140354	✓	1917	✠100 A.1. Carrying petroleum in bulk. (Contemplated.)

Number in Register Book: Temp 16

Registered dimensions from Ship's Register.	Length.	Breadth.	Depth.	Under Deck Tonnage.
	430·10	57·05	33·70	6483·16
Length on Loadline.	430·10	Frame Depth Rule 2·5 = 24·14 − ·23. Spanning + ·33	Ceiling + ·2 Sheer + ·75	Peak Tanks Included 6313 Tons above tore of long Bridge + 64 tons
Corrected Dimensions.	430·10	57·15	34·68	6547·16

Moulded Depth as measured ..... 35'-0". 33'-6"

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

Base Line above bottom of Keel. Keel Plate = 1·02. Keel Plate outside strake = ·70. Garboard = ·44 } = 2·36.

Co-efficient of fineness ..... ·768
Any modification necessary [Para. 4 (a) to (e)]* } ✓
Co-efficient as corrected ..... Say ·77.

CORRECTION FOR LENGTH.

Length of Ship on Loadline	430·1	
Length in Table	402·0	
Difference	28·1	
Correction for 10ft., Table A.	1·7 Table C.	·8
× Difference divided by 10	4·77 (if required.)	2·248
~~If 4/10ths length covered divide by 2~~	+ 4 3/4	+ 2 1/4

Sheer: Stem ..... 108, Sternpost ..... 55 } 163 ÷ 2 = 81·5 ... Mean

Sheer at ½ of the length from: Stem 60·0, Sternpost 29·0 } 89·0 ÷ 2 = 44·75 ... Mean ÷ ·55 = 81·36

Gradual mean Sheer ..... 81·36
Standard mean Sheer [Table, Para. 18] ..... 53·01 Correction
Difference ..... 28·35 ÷ 4 = 7·09
If limited as Para. 18 (f) .....
= 7

CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered ..... ·412
Thickness of usual wood deck, less stringer ..... 3 1/2. — 1 1/2.

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

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	55'-8".
Round of Beam	1-2
Normal round	1-2
Difference	✓ ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19)	✓

Fall in Sheer, Para. 18 (d) } ÷ 2 = ✓
Length uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.	5'-10 1/4
Correction for Length, if required (Para. 12, ~~13, and 14~~)	+ 2 1/4
	6-0 1/2
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, ~~13, and 14~~)	8-10
Difference	2-9 1/2
Percentage as below	26·83.

Freeboard, Table A 9-0 1/4
Correction for Sheer ..... — 7
8-5 1/4
Correction for Length ..... + 4 3/4
8-10
Allowance for Deck Erections ..... — 8 3/4
8-1 1/4
Correction for Round of Beam ..... ✓
Correction for fall in Sheer (if any) ..... ✓
Correction for Iron Deck (if required) ..... — 1 1/2
7-11 3/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ ..... } ✓
Other Corrections (if any) ..... ✓

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ✓
Allowance for Deck Erections ..... — 8 3/4

	Length.	Length allowed.	Height.
Forecastle	44·33	44·33	8·0
Bridge House	32·33	32·33	8·0
Raised Qr. Dk.			
Poop	100·5'	100·5'	8·0
Total		177·16	
Length of Ship		430·1	= ·4119
Corresponding percentage [Para. 12, ~~13, or 14~~]	26·83.		

Winter Freeboard 7-11 3/4
Summer Freeboard 7-5 3/4
Indian Summer Freeboard 6-11 3/4
~~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 iron~~ sheer deck with side. } + 1 3/4

Winter Freeboard from deck line 8-1 1/2
Summer " " " " 7-7 1/2
Indian Summer " " " " 7-1 1/2
~~N. A. Winter~~ " " " " .....

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Main~~ (Iron) Deck :— 7-7 1/2

31.8.17

Fresh Water Line	above centre of Disc	6 1/2
Indian Summer Line	" " "	6
Winter Line	below " "	
~~Winter North Atlantic Line~~	" " "	

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 stern-post.

‡ 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 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 usual load draft forward and aft should be reported.

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MARKING REPORT RECEIVED 11.9.17

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Do all the Frames extend to the top height in the Poop? Yes Raised Quarter Deck? ✓ Bridge House? Yes. Forecastle? Ye

To what height do the Reverse Frames extend? Longitudinal B.A. Frames.

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 Two openings = 2'0". steel coaming = 23" & storm bo height as marked

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 One opening = 2'0". steel coaming = 18". closed door on hinged hinges.

What is the thickness of the Bridge Front plating? ~~and~~ Coaming plate? ·42.

Give scantlings and spacing of the Stiffeners 7"×3"×·46 angles. spaced 30" apart. also 2 fore & aft steel bu

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? One opening 2'0" closed with steel door & 16" steel coaming: one open closed with hinged door & 18" steel coaming: one opening (3'0") closed with stor

Is the Forecastle at least as high as the main or top-gallant rail? 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 ✓

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.	Cargo Hatch Fore end. 8'-0" × 10'-0"		6'-0" × 4'-0"				Summer Tank Hatches. 6'-0" × 4'-0"			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	2'-6"	2'-0"	6" steel cover.				2'-6"	2'-0"		
Thickness { Sides	·40	·36	6"×3½"×·40 angle				·44	·36		
Thickness { Ends	·40	·36					·44	·36		
SHIFTING BEAMS OR WEB PLATES. Number	One	One					None.			
Section and Scantlings	Web = ·40 Comp. = ·18 Bulb = 12½		Covers ·55 angle 6"×3½"×·40 ·36 channels 12"×5½"×·40							
Material	5"×3½"×·40. One bracket ·46.		opening 6'-0"×4'-0"							
* FORE AND AFTERS. Number	None.		None				None.			
Section and Scantlings										
Material										
HATCHES Thickness	3"	3"	Steel Covers ·55				Steel Covers ·55			
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? ✓

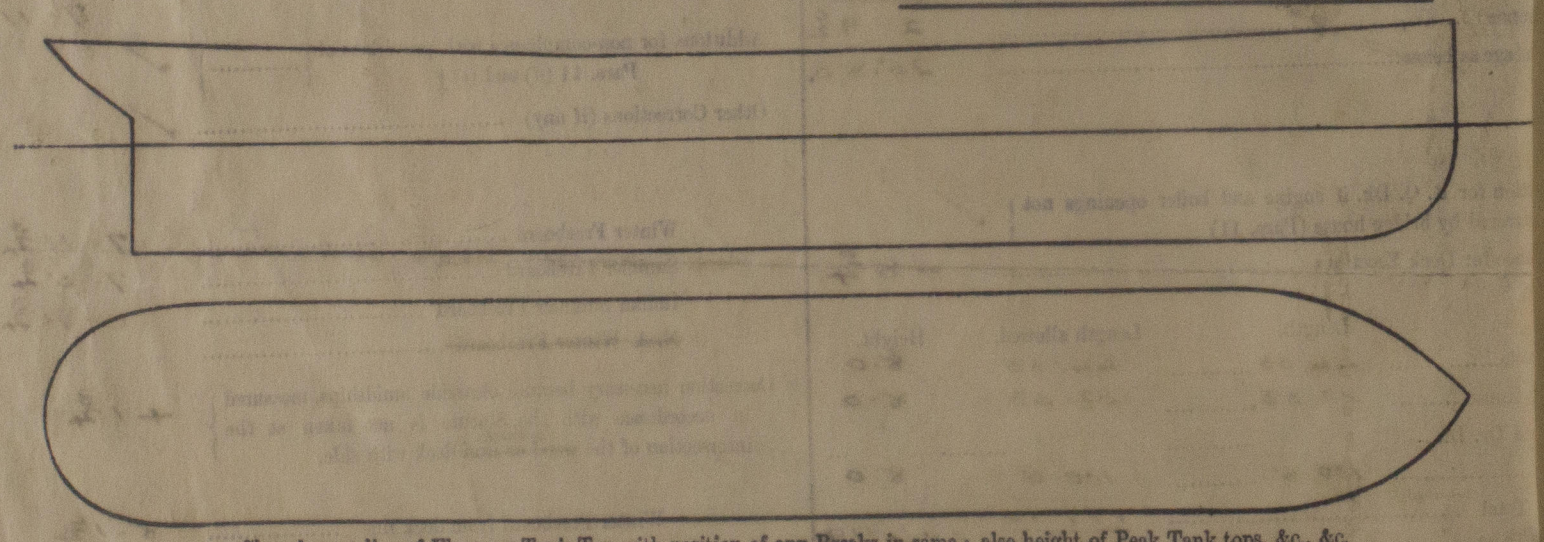
Delete the words that do not apply { The Crew ~~are~~, *are not*, berthed in the bridge house. / The arrangements to enable them to get backwards and forwards from their quarters *are*, ~~*are not*~~ satisfactory.

Length of Bulwarks in well Gangway fitted all fore & aft.

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.



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 See plans enclosed (2 in numbers). This vessel has been constructed on the longitudinal system of framing carrying petroleum in bulk. A Provisional Freeboard was assigned to

Owners' vessel in the Secretary's Letter dated 18th March 1915. This is a du

" *Address* vessel to the same builders "British Princess" 129 891. Secretary's Letter dated 13th April 19

Fee £ : : *Received by me*

Thomas S. Shub

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