

SAT. NOV 27 1920

SUNDERLAND T.P.T. NO. 27984

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. STEAM SHIPS.

REGULATIONS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH ALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR TOP ALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey SUNDERLAND
Date of Survey 25.11.20
Name of Surveyor T.S. LEATHARD

Ship's Name. PORT BRIS L. No 413
Port of Registry and Nationality. U.K.
Official Number. ✓
Gross Tonnage. ✓
Date of Build. TO BE BUILT
Particulars of Classification. + 100 A.1 SHELTER DECK (CONTEMPLATED)

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
405.3	52.0	23.5 ✓	4000
404.75	Frame Depth 8 Rule "5/8 21 46.2 = -32 no stringing 4.33	Ceiling } +20 Sheer } +84 1.15	Peak Tanks } INCLUDED
404.75	51.91 ✓ 52.01	24.54 ✓ 85.1	4000

Moulded Depth as measured..... 26.6
Addition for Keel below base line for draught record... 2 1/2 inches.

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

coefficient of fineness..... 77 ✓
modification necessary }
Para. 4 (a) to (e) * }
coefficient as corrected 75 ✓

CORRECTION FOR LENGTH.
Length of Ship on Loadline..... 404.75 ✓
Length in Table 318.00 ✓
Difference 86.75 ✓
Correction for 10ft., Table A. 1.4 ✓
× Difference divided by 10 12.14 ✓ (if required.)
If 1/10ths length covered divide by 2 6.07 ✓ +6 ✓

{ Stem..... 120 } 187 ÷ 2 = 93.5 ... Mean
{ Sternpost ... 67 }
at 1/2 of the length from { Stem 67 } 101 ÷ 2 = 50.5 ... Mean
{ Sternpost 34 }
ual mean Sheer 93.5 + 91.88 = 92.69
lard mean Sheer [Table, Para. 18] 50.47
Difference..... 42.22 ÷ 4 = 10.55
limited as Para. 18 (f) 41.35 - 10 1/4 ✓

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered 99.4
Thickness of usual wood deck, less stringer 4 - 1/2 = 3 1/2 - 3 1/2 ✓

se in Sheer { At front of bridge house..... ✓
n amidships {
ra. 18 (e) } At after end of forecastle
all in Sheer { NO DROP IN SHEER ✓
ra. 18 (d) } ÷ 2 =
gth uncovered Correction

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... 49.9
Round of Beam 13
Normal round..... 13.12.44
Difference 1.56 ÷ 2 = .28 ✓
Proportion of Deck uncovered (Para. 19) ✓

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

ALLOWANCE FOR DECK ERECTIONS:—
eboard, Table C..... 3.0 1/2
rection for Length, if required (Para. 12, 13, and 14) 2.1 1/2
eboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 5.3 1/4
ference 2.4 1/2
centage as below..... 94.4 ✓
rection for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 2.2 1/2
owance for Deck Erections -2.0 3/4 ✓

Freeboard, Table A
Correction for Sheer
Correction for Length
Allowance for Deck Erections
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required)
Additions for non-compliance with provisions of Para. 11 (d) and (e) † }
Other Corrections (if any)
Winter Freeboard 3.3 1/4 ✓
Summer Freeboard 2.9 1/4 ✓
Indian Summer Freeboard 2.4 1/4 ✓
N. A. Winter Freeboard
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the weather iron deck with side. 1 3/4 ✓

Length.	Length allowed.	Height.
recastle..... 300.75	300.75 ✓	8.0
ridge House 4.66		
op..... 99.34	99.34 ✓	8.0
Total 404.75	400.09 ✓ 2.33 1/2 OFF ✓	
length of Ship 402.42 ✓	404.75 = 99.4 ✓	
responding percentage (Para. 11, 12, 13, or 14) } 94.4 ✓		

Winter Freeboard from deck line 3.5 6/4 ✓
Summer " " " " 2.1 1/2 3.0 3/4 ✓
Indian Summer " " " " 2.6 1/4 ✓
N. A. Winter " " " " 3.0 1/2 ✓ 2.1 1/2 3.0 1/2 ✓
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the weather iron deck with side. 1 3/4 ✓

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 " " "

Winter Freeboard from deck line 3.5 6/4 ✓
Summer " " " " 2.1 1/2 3.0 3/4 ✓
Indian Summer " " " " 2.6 1/4 ✓
N. A. Winter " " " " 3.0 1/2 ✓ 2.1 1/2 3.0 1/2 ✓

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 stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from the 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.

SHELTER

Do all the Frames extend to the top height in the Poop? ☒ **LONGITUDINAL FRAMING**

To what height do the Reverse Frames extend? **LONGITUDINAL FRAMING**

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? ☒ **COMPLETE SHELTER DECK WITH TONNAGE OPENING ACT**

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? **STEEL BULKHEADS IN WELL**

How are the openings closed? **TWO OPENINGS IN EACH BULKHEAD FITTED WITH SHIFTING BOARDS FULL HEIGHT IN RIVETED CHANNEL**

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? ☒

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? ☒

Give thickness of plating; scantlings and spacing of Stiffeners ☒

What is the height of the exposed Casings? **4'-6"** 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.		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.....																	

To Rule Requirements

No Rule Requirements

* 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? **.72** Strake between Main and Bridge Sheerstrakes? **.64**

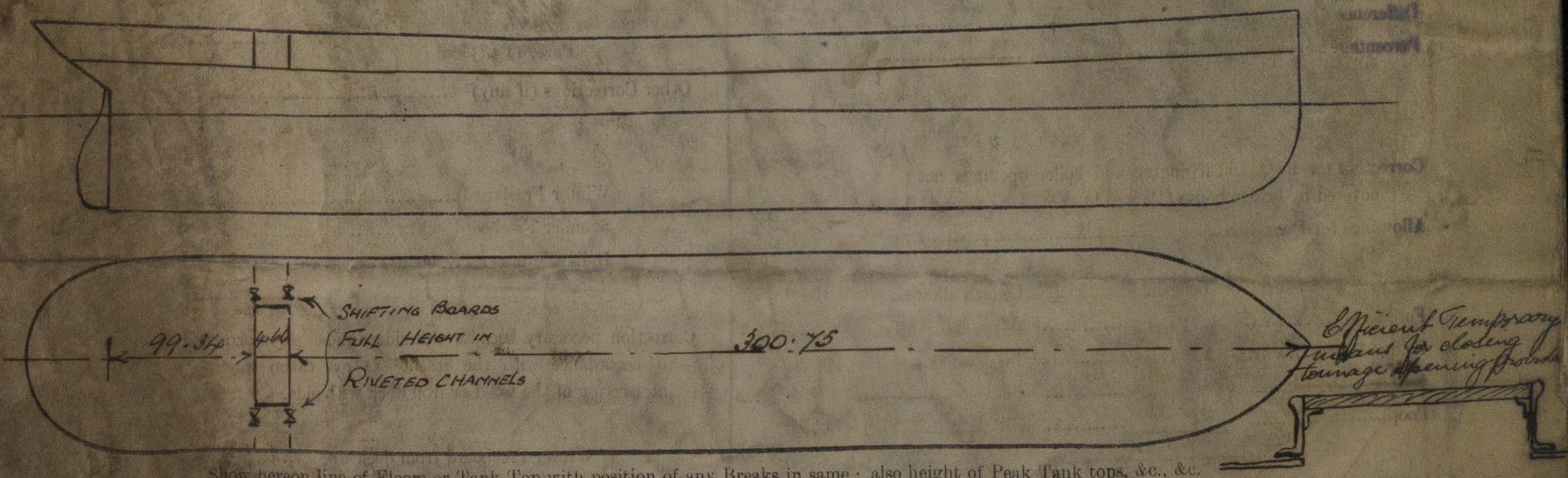
Delete the words { The Crew ~~are~~ are not, berthed in the bridge house.
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

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

Ft.	Tenths.	Ft.	Tenths.	No.	Freeing Ports (each side of vessel)	=	Sq. ft.
ONE	x	x		IN WELL			
	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 **This vessel is a duplicate model of the same builders 11-392 S.S. "VRONWEN" see Sld. Report 11-26859 with the exception that it is now proposed to fit cylindrical tanks and a tonnage opening. Amended plans of the vessel are now in the London Office.**

Owner's Address **Charged with final report**

Received by me