

WED. DEC. 27. 1916

SUNDERLAND RPT. NO. 28884

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

24976

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

Port of Survey SUNDERLAND

Date of Survey 21-12-16

Name of Surveyor Wagner

BY W. H. W. RICHARDSONS No 103

WELL DECK

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>THWICK</u>	<u>SUNDERLAND</u>	<u>187260</u>	<u>443</u>	<u>1917</u>	<u>100 A1. CONTEMPLATED</u>
Register Book	<u>U.K.</u>				

	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
From Register.	150	26.1	10.75	317.02
Length on LOADLINE.	150	Frame MEAN Depth $4\frac{3}{4}$ Rule " 3	Ceiling Sheer + $4\frac{4}{4}$ 39	Peak Tanks INCL <sup>d</sup>
		174	DEPTH TO FLOORS 10.92	
		SPACING FITTED		
CORRECTED DIMENSIONS.	150	25.81	11.36	317.02

Moulded Depth as measured..... 11-8

12-2 1/2  
1-3 1/2  
10-11

Keel below base line

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.....	150	✓
Length in Table .....	140	✓
Difference .....	10	✓
Correction for 10ft., Table A. ....	.9	✓
× Difference divided by 10 .....	.9	✓
If 1/10ths length covered divide by 2	+1	✓
	+1/2	✓

### CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....	.516	✓
Thickness of usual wood deck, less stringer .....	3-42 = 2.58	✓
	-1/4	✓

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	26	✓
Round of Beam .....	6/2	✓
Normal round.....	6/2	✓
Difference .....	÷ 2 =	✓
Proportion of Deck uncovered (Para. 19) .....		✓

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

o-efficient of fineness..... .724  
ny modification necessary }  
[Para. 4 (a) to (e)]\* }  
o-efficient as corrected ..... .72

Sheer { Stem..... 51 }  
at { Sternpost ... 27 1/4 }  
 $78\frac{1}{4} + 2 = 39.125$ ...Mean  
 $40.9$   
 $34.125 - 25 = 39$   
Sheer at 1/2 of the length from { Stem  $29\frac{1}{4}$  }  
Sternpost  $15\frac{3}{4}$  }  
 $45 \div 2 = 22.5$ ...Mean  
 $35.5 - 40.9$

Gradual mean Sheer ..... 22.5 ✓  
Standard mean Sheer [Table, Para. 18] ..... 15.0 ✓  
Difference..... 7.5 ✓  
÷ 4 = -1 3/4 ✓  
If limited as Para. 18 (f).....

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

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

### ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	3/4	✓
Correction for Length, if required (Para. 12, 13, and 14) .....	+ 1/2	✓
	3 3/4	✓
Freeboard by Table A. corrected for sheer, and for length, } if required (Para. 12, 13, and 14) .....	1-9/4	✓
Difference .....	1-5/2	✓
Percentage as below.....	33%	✓

Correction for R. Q. Dk. if engine and boiler openings not }  
covered by bridge house (Para. 11) }  
Allowance for Deck Erections ..... -5 3/4 ✓

	Length.	Length allowed.	Height.
Forecastle.....	24.0	21.91	6-6
Bridge House .....	✓	✓	✓
Raised Qr. Dk.....	53-6/2	55.54	3-5/2
Poop.....	✓	✓	✓
Total .....		$77.45 \times 8$ 150	4.13 EIGHTS

Length of Ship .....

Corresponding percentage } 33%  
(Para. 11, 12, 13, or 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	"	...

14. T.  
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.

† Statutory  
† Tonnage  
†



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

To what height do the Reverse Frames extend? ☒

Has the ~~RS~~ 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? ☒ 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? ☒ 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? ☒ 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:— ☒ YES

Position and Size.		No 1. 16-1 1/2 x 16-0		No 2. 34-0 1/2 x 16-0							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	30	30	36	30						
	Thickness { Sides.....		.44		.44						
	{ Ends.....		.44		.44						
SHIFTING or WEB PLATES	Number .....	THREE		SIX							
	Section and Scantlings .....	T 3 1/2 x 3 x .42 12 x .32		T 3 1/2 x 3 x .42 14 x .34							
	Material .....	JL 3 1/2 x 3 x .42		JL 3 1/2 x 3 x .42							
* FORE AND AFTERS.	Number .....										
	Section and Scantlings .....		NONE	FITTED							
	Material .....										
HATCHES Thickness .....		2 1/2		3							
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? ☒

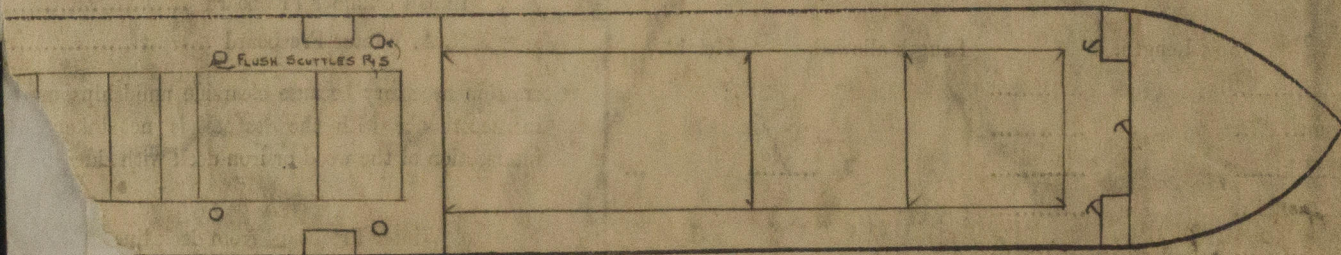
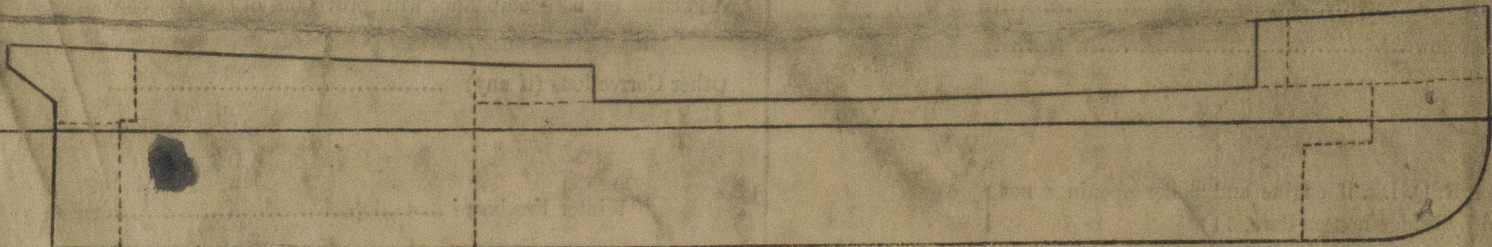
Delete the words { The Crew are, are not, berthed in the bridge house.  
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

Area of Freeing Ports required by Para. 11 (e) each side of vessel = 14.0 Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel)	= 14.0	Sq. ft.
2.54	x	1.38	x	4			
	x		x				

Total deficiency or excess = ☒ Sq. ft.



ne of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

tion of the Vessel The approved plans, two in number, are enclosed  
ded direct to London and Provisional report supplied 16.5.10



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