

Lloyd's Register of British & Foreign Shipping

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

Verification 21229 No. 6445
 SAT. 10 SEP 1910

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 Middlesbrough-on-Tees
 Date of Survey White Building
 Name of Surveyor S. B. Baker

Ship's Name. <u>Dean Forest</u>	Port of Registry and Nationality. <u>British</u>	Official Number. <u>127084</u>	Gross Tonnage. <u>297</u>	Date of Build. <u>1910</u>	Particulars of Classification. <u>100 A contemplated</u>
Number in Register Book <u>21 in Sup.</u>					

LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
130.1	25.1	8.83	214.18
130.0			
	Frame Depth $3\frac{1}{2}$	Ceiling <u>11.6</u>	Peak } <u>in</u>
	Rule " $3\frac{1}{2}$	Sheer <u>+2.2</u>	Tanks } <u>above</u>
	$2\frac{1}{2} = .08$	Depth to floor <u>9.12</u>	
130.0	25.02	9.34	214.18

Moulded Depth as measured..... 10'-0"
 $10 - 6\frac{1}{2}$
 $1 - 6$
 $9 - 1\frac{1}{2}$

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	130.0' ✓
Length in Table	120.0 ✓
Difference	10.0 x
Correction for 10ft., Table A.8 * Table C. .4 x
x Difference divided by 108 x (if required.) .4 ✓
If $\frac{1}{10}$ ths length covered divide by 2	+ $\frac{3}{4}$ x + $\frac{1}{2}$ x

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered6 x
Thickness of usual wood deck, less stringer.....	$3 - 5.7 = 2.6$
	$.6 \times 2.6 = 1.56$ ✓
	- $1\frac{1}{2}$ ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	24' 4 1/4"
Round of Beam.....	6 1/2"
Normal round	6 1/8"
Difference	$\frac{3}{8} \div 2 = \dots \frac{3}{16} \cdot 21$
Proportion of Deck uncovered (Para. 19)4 x 21 = .08

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

Correction for Sheer (Table, Para. 18) 13.8 ✓
 Difference..... 5.2
 $5.2 \div 4 = 1.3$
 Correction -1.4 x

At front of bridge house..... ✓
 At after end of forecastle

Stem 21 1/2
 Sternpost 16 1/2
 $38.0 \div 2 = 19.0$ Mean

Stem 21 1/2
 Sternpost 16 1/2
 $38.0 \div 2 = 19.0$ Mean

Sheer 18.6

ALLOWANCE FOR DECK ERECTIONS:—

C.....	0 - 2	0' 2" x
length, if required (Para. 12, 13, and 14)	- 4	- 4/2 x
Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)	1 - 4.8	4 3/4
low.....	1 - 2.4	2 1/2 x
	- 4.89	34.0 %
	4.84	4.84

Q. Dk. if engine and boiler openings not in bridge house (Para. 11)	- 4 3/4
Deck Erections	- 4 3/4

Length.	Length allowed.	Height.
24' 6"	21.87 ✓	6' 3"
7-0	7.26 x	6-9
8-0	7.23 ✓	2-9
46-0	39.53 ✓	2-9
	$\frac{69.83}{130.0} = 4.22$ x	eighth
	34.0 %	

Freeboard, Table A	1 - 4	1 - 4 1/4 ✓
Correction for Sheer	1.3	- 1 1/4
Correction for Length	+ .8	+ 3/4
Allowance for Deck Erections	- 4.89	- 4 3/4
Correction for Round of Beam.....	.08	+ 10 3/4
Correction for fall in Sheer (if any)	10.53	
Correction for Iron Deck (if required)	1.56	- 1 1/2 ✓
Other Corrections (if any).....	8.97	9 1/4 ✓

Winter Freeboard	8.97	9 1/4
Summer Freeboard	7.54	8 3/4
Indian Summer Freeboard		
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 deck with side.

Winter Freeboard from deck line	10 1/4
Summer " " " "	9 3/4
Indian Summer " " " "	
N. A. Winter, " " " "	

D 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 " " " "	Amended Tables
Winter Line below " " " "	March 1906.
Winter North Atlantic Line " " " "	1 1/2

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

† 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.

MARKING FORM
 RECEIVED 26 JAN 1924

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3 Leadro/B/S 12/9/10. Copy sent to Surveyor

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? *bulk angle frames*

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 *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 *no openings*

What is the thickness of the Bridge Front plating? *5/20* and Coaming plate? *16/20*

Give scantlings and spacing of the Stiffeners *5 1/2 x 3 x 7/20 Bulk angle 30" spacing*

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? *no openings*

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? *see below*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?

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:—

Position and Size.	Not. 36'-7" x 14'-0"									
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	32"	No							
	Thickness	Sides.....	9/20	appd.						
		Ends.....	8/20							
SHIFTING BEAMS OR WEB PLATES.	Number.....	six								
	Section and Scantlings.....	7/20								
	Material.....	3x3x 9/10 angle steel								
FORE AND AFTERS.	Number.....	nil								
	Section and Scantlings.....									
	Material.....									
HATCHES Thickness.....	3"	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?

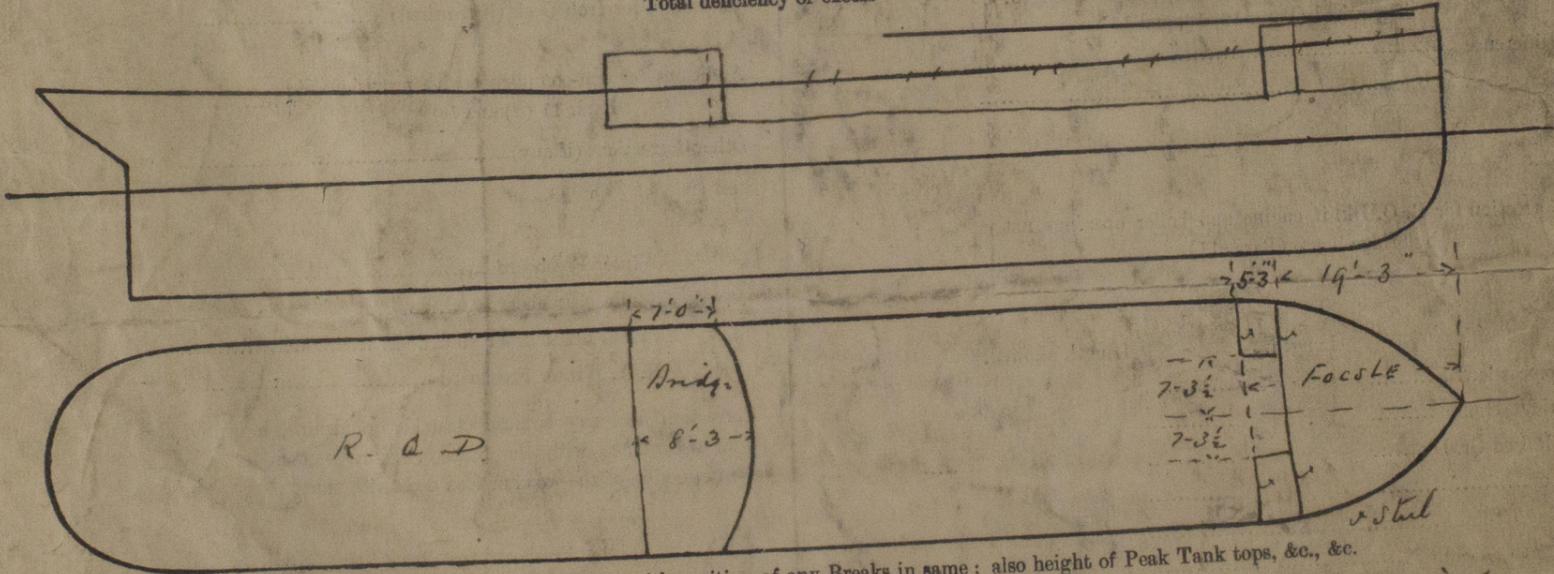
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well = 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) = <input checked="" type="checkbox"/> Sq. ft.
x		x			
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 *Screen Steamers as per plans (3) herewith*
This vessel is a similar vessel to the S/S Porthgarn; Builders No 415

Builder *Mess Smith's Dock Co Ltd*
 Owners *Middlebrough-on-Sea*
 Address *Middlebrough-on-Sea*
 Received by me