

Lloyd's Register of British & Foreign Shipping.  
SURVEYS FOR FREEBOARD.—STEAM SHIPS.57143  
20426  
FRI. 13 AUG 1909PARTICULARS 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 *Newcastle-on-Tyne*  
Date of Survey *11<sup>th</sup> + 12<sup>th</sup> August 1909*  
Name of Surveyor *Alex. Munro*

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<i>S/s. "Saarnholm"</i>	<i>Copenhagen Danish</i>	<i>✓</i>	<i>1399.75</i> <i>Net 855.95</i>	<i>1905-12<sup>th</sup></i>	<i>+100 A1.</i>
Number in Register Book <i>23</i>					

LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
<i>252</i>	<i>38.25</i>	<i>16.25</i>	<i>1264.95</i>
<i>252</i>	Frame Depth <i>7 1/2</i> Rule <i>4 1/2</i> <i>3</i>	Ceiling <i>2"</i> Sheer <i>.73</i>	Peak <i>3 1/2</i> Tanks <i>30 tons</i>
<i>252</i>	<i>.50</i>	<i>16.98</i>	<i>1294.95</i>

Moulded Depth as measured.....*18'-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.....	<i>252'-0"</i>
Length in Table .....	<i>222</i>
Difference .....	<i>30</i>
Correction for 10ft., Table A. ....	<i>1.1</i>
× Difference divided by 10 .....	<i>3.3</i>
If 10ths length covered divide by 2 .....	<i>+ 1 3/4</i>

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 10ths length covered .....	<i>3 1/2</i>
Thickness of usual wood deck, less stringer.....	<i>- 3 1/2</i>

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<i>34'-3"</i>
Round of Beam.....	<i>9 1/2"</i>
Normal round .....	<i>9.31</i>
Difference .....	<i>19 ÷ 2 = 9.5</i>
Proportion of Deck uncovered (Para. 19) .....	

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

nt of fineness ..... *.80*  
ification necessary { *See KB.*  
ra. 4 (a) to (e) \*]  
ent as corrected ..... *.78*Stem... *84*  
Sternpost... *39*  
of the length from { Stem *46 1/2*  
Sternpost *21 3/4* } *68 1/4 ÷ 2 = 34 1/8* MeanMean Sheer .....  
Mean Sheer (Table, Para. 18) ..... *35.2* Correction  
Difference..... *26.3 ÷ 4 = -6 1/2*  
ited as Para. 18 (f).....n Sheer { At front of bridge house..... *28 1/2*  
midships {  
18 (e) { At after end of forecastle ..... *49*in sheer }  
18 (d) } ÷ 2 =  
uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

ard, Table C.....	<i>1.1</i>	<i>1.1</i>
ion for Length, if required (Para. 12, 13, and 14) .....		
ard by Table A. corrected for sheer, and for length, } if required (Para. 12, 13, and 14) }	<i>3.52</i>	<i>2.11</i>
nce .....	<i>2.45</i>	<i>1.10</i>
tage as below.....	<i>49.47</i>	<i>69.26</i>
	<i>14 1/2</i>	<i>15 1/2</i>

ion for R. Q. Dk. if engine and boiler openings not }  
covered by bridge house (Para. 11)  
nce for Deck Erections .....

Length.	Length allowed.	Height.
stle..... <i>Centre - 25-0</i>	<i>26</i>	<i>7-0</i>
House..... <i>Side - 28-4</i>		
ed Q. Dk..... <i>198-8 1/2</i>	<i>198 7</i>	<i>7-0</i>
Total .....	<i>224.7</i>	<i>.892</i>
of Ship .....	<i>252</i>	

ponding percentage }  
a. N, 12, 13, or 14) *69.2%*

BOARD 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	"	"	"	"	"	"	"	"	"

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside  
of ceiling should be reported if possible.  
sels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amid-  
ships 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 stem and stern-post.

m. 13.—T.

MARKING FORM  
12 SEP 1932  
RECEIVEDMARKING REPORT  
RECEIVED 22 SEP 1909

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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? *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

Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes*

Has the Bridge House an efficient Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *two iron plate doors (one each side) secured with 3 strong latches each, storm boards full height three metal corner bolts through each - horizontal section -*

What is the thickness of the Bridge Front plating? *7/20* and Coaming plate? *8/20*

Give scantlings and spacing of the Stiffeners *9 x 3 x 12/20 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* *siding bars in depth of 1/2 in.*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

How are the openings closed? *Yes*

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~~ *Yes*  
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? *Yes*

Give thickness of plating; scantlings and spacing of Stiffeners *Yes*

What is the height of the exposed Casings? *Yes*

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:—

Position and Size.		No 1 - 20'5" x 15'0"		No 2 - 23'10" x 15'0"		No 3 - 21'10" x 15'0"		No 4 - 21'11" x 15'0"			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	36"	30"	22"	18"	22"	18"	22"	18"		
	Sides.....	9/20	9/20	9/20	9/20	9/20	9/20	9/20	9/20		
	Ends.....	9/20	9/20	9/20	8/20	9/20	9/20	9/20	9/20		
SHIFTING BEAMS OR WEB PLATES.	Number .....	2	2	2	2	2	2	2	2		
	Section and Scantlings.....	I 8/20 full depth angles 3 x 3 x 9/20		I 8/20 full depth angles 3 x 3 x 9/20		I 8/20 full depth angles 3 x 3 x 9/20		I 8/20 full depth angles 3 x 3 x 9/20			
	Material.....										
FORE AND AFTERS.	Number.....	3	3	3	3	3	3	3	3		
	Section and Scantlings.....	center 6 x 6 sides 5 x 5	8 x 7 7 x 6	6 x 6 5 x 5	8 x 7 7 x 6	6 x 6 5 x 5	8 x 7 7 x 6	6 x 6 5 x 5	8 x 7 7 x 6		
	Material.....	Pine		Pine		Pine		Pine			
HATCHES Thickness .....		2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2		
Remarks.....		There are no iron plates fitted to the under of the wood fore and afters.									

\* 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? *9/20* Strake between Main and Bridge Sheerstrakes? *8/20*

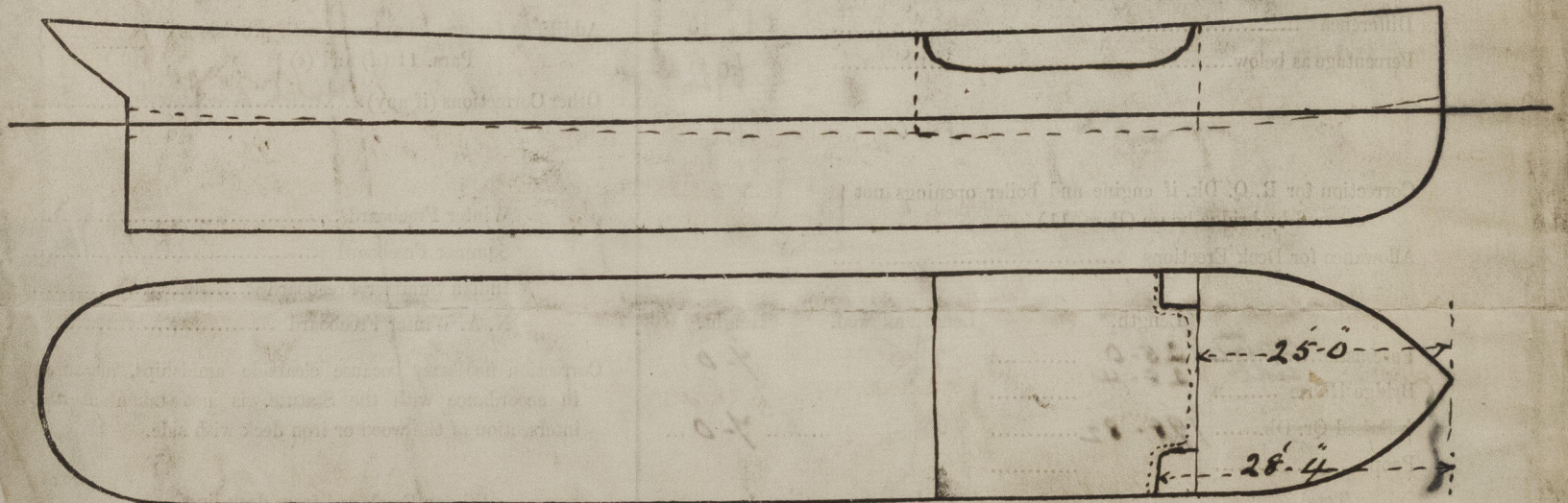
Delete the words { The Crew ~~are not~~, berthed in the bridge house.  
that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well *24 ft.*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *8.9* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *10.69* Sq. ft.  
*3.25* x *1.83* x *2* } *11.89*

Total deficiency or excess = *1.79* Sq. ft.  
*2.99*



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

Owners

Address

Fee £ 3 : 3 : —

Received by me

Appraised for 12 AUG 1909



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