

Copywritten *Open No. 35.* 14227
FRI. JAN 19 1900
LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.
SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES,
HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES,
OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Port of Survey *Copenhagen*

Date of Survey *January 1900*

Name of Surveyor *T. E. Weeks*

Ship's Name. *S. Katie*
Elmsmore Yard No. 81.
Number in Register Book

Gross
Tonnage.

2115

Official
Number.

✓

Type of Ship.

*Single Dk.
Short R.Q. Dk.
Bridge & Forecastle.*

Date of Build.

1900

Particulars of Classification.

100 A1 (contemplated.)

Registered Length *✓* Breadth *✓* Depth *✓*

Length on Loadline *291'-8"*

Breadth *42'-8"*

Depth *to Tanktop 19'-4"*

Tons
ind. Dk. *1980*

$$0.823 = \frac{1980 \times 100}{291.67 \times 42.67 \times 19.33}$$

*The peak tanks are included
in the Underdeck Tonnage.*

Co-efficient of fineness *0.823 ✓*

Any modification necessary *{ CDB & deep framing*
[Para. 4 (a) to (e)]

Co-efficient as corrected *0.81 ✓*

Sheer { Stem... *Gradual Sheer. 57'-27" at Ends.*
at { Sternpost... *11'-5" ÷ 2 = ... Mean 58'-1/2"*

Sheer at $\frac{1}{8}$ of the length from { Stem *3'-10" } $\frac{5'-3"}{2} = 31'-1/2"$*
Sternpost *1'-5"*

Standard Sheer (Table, Para. 16) *39'-16"* Correction
Difference *18'-11"* $\div 4 = -4'-1/2" ✓$

Rise in Sheer { At front of bridge house.....
from amidships { At after end of forecastle
[Para. 16 (e)]

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C. *2'-4'-1/2" ✓*
Correction for Length, if required (Para. 12 and 13) *1'-1/4" ✓*

Freeboard by Table A, corrected for sheer, and for length, *2'-6'-1/4" ✓*
if required (Para. 12 and 13) *4'-5'-1/2" ✓*

Difference *1'-11'-1/4" ✓*
Percentage as below *34% ✓*

Correction of R. Q. Dk. less than 4 ft. high, or if engine and
boiler openings not covered by bridge house

* Allowance for Deck Erections *= -8" ✓*

	Length.	Length allowed.	Height.
Forecastle.....	<i>36'-10"</i>	<i>36.84</i> ✓	<i>7'-0"</i>
Bridge House	<i>70'-0"</i>	<i>70.0</i> ✓	<i>7'-0"</i>
Raised Qr. Dk.....	<i>16'-10"</i>	<i>14.2</i> ✓	<i>3'-4'-1/2"</i>
Poop.....	<i>123'-8"</i>	<i>121.04</i> ✓	

Total *291'-8" = 291.67* $\div 415$ ✓

Corresponding percentage {
(Para. N, 12, or 18.) *34% ✓*

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line :-

Fresh Water Line	above centre of Disc	...
Indian Summer Line	" " "	...
Winter Line	below " " "	...
Winter North Atlantic Line	" " "	...

* Particulars should be stated on the back of this Form as to the character of the Erections, and whether closed in or not.

Moulded Depth as measured *21'-10"*

CORRECTION FOR LENGTH :-

Length of Ship on load line.....	<i>291.67</i>
Length in Table	<i>262.0 ✓</i>
Difference*	<i>29.67 ✓</i>
Correction for 10ft., Table A.	<i>1.2</i> Table C. <i>0.6</i>
× Difference* divided by 10	<i>3.56</i> (if required.)
If $\frac{1}{10}$ ths length covered divide {	<i>= + 3'-2.1 + 1'-3/4 ✓</i>
by 2.	

CORRECTION FOR IRON DECK :-

Proportion covered, if less than $\frac{1}{10}$ ths length covered *0.424*
Thickness of usual wood deck, less stringer *3'-1/2"*
= - 1'-2" ✓

CORRECTION FOR ROUND OF BEAM -

Round of Beam..... *10'-1/2" ✓*
Normal round *10'-1/2"*
Difference $\div 2 =$

Proportion of Deck uncovered (Para. 17)

Freeboard, Table A	<i>4'-6'-1/2" ✓</i>
Correction for Sheer	<i>1'-1/2" ✓</i>
Correction for Length	<i>1'-1/4" ✓</i>
Allowance for Deck Erections	<i>3'-9'-1/2" ✓</i>

Correction for Round of Beam.....

Correction for Iron Deck (if required) *- 1'-2" ✓*
3'-8" ✓

Additions for non-compliance with provisions of {
Para. 11 (e) and (f) † {

Other corrections (if any).....

Winter Freeboard	<i>3'-8" ✓</i>
Summer Freeboard	<i>3'-5" ✓</i>
N. A. Winter Freeboard	<i>3'-10" ✓</i>

Correction necessary because clear side amidships measured
in accordance with the Statutes is not taken at the
intersection of the deck with side. *1'-3/4" ✓*

Winter Freeboard from deck line†	<i>3'-9'-3/4" ✓</i>
Summer " " "	<i>3'-6'-3/4" ✓</i>
N. A. Winter, " " "	<i>3'-11'-3/4" ✓</i>

...	<i>3'-6'-1/2" ✓</i>
...	<i>4'-1/2" ✓</i>
...	<i>3'-11" ✓</i>
...	<i>3'-11" ✓</i>

† State dimensions of freeing port area on the back of this form.
* Marked in accordance with Sec. 25, 76.

14227

ERASE WORDS WHICH DO NOT APPLY

The Crew ~~are~~, are not, berthed in the bridge house. *Officers in bridge house on bridge - crew in quarters*

The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~, *Yes - has a foot bridge*

Length of Bulwarks in well $\times 2 =$ *148 forward 188 aft 336 total*

Ft. Tenth. \times Ft. Tenth. \times No. }
 2.5 \times 1.75 \times 14 }

Total deficiency = Sq. Ft.

Total excess =

CHARACTER OF DECK ERECTIONS

Do all the Frames extend to the top height in the Poop?

Do. do. do. do. Raised Quarter Deck? *Yes*

Do. do. do. do. Bridge House? *Yes*

Do. do. do. do. Forecastle? *Yes*

To what height do the Reverse Frames extend? *to Mainmast & Foremast to Forecastle Deck alternately*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at its fore end? *Yes*

State whether the Bridge House efficiently covers the Engine and Boiler Openings *Yes*

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

Are efficient Doors fitted to the Passage Ways? *2 watertight ports at fore end 30" x 30" - 3 feet above Deck*

Describe how and to what extent it is Stiffened, by angle Irons, Bulb Plates, or otherwise *5" 3 1/2" x 90" vertical angles with 5" x 10" bulb plates spaced 23" apart & all with transverse plates top & bottom. Yes*

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

Are efficient Doors fitted to the Passage Ways? *No doors at after end - but to be closed with plank & tightened*

Are efficient Iron Doors fitted to the Passages of the Bridge House, or is it entered from above? *Yes - also from above*

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *Yes of Iron Steel*

Are the Hatchways efficiently constructed? *Yes* State the height of the Coamings *3 feet above beams*

Are the Hatches solid? *Yes* What is their thickness? *2 1/2 inch*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? *Yes of steel with steel top*

State any special features in the construction of the Vessel *Single deck with Deepharnes*

Longitudinal bulkhead of steel between hatches - bridge front is strengthened fully equal to the rule requirements in Section 44 par 4 for long bridges.

Owners *Russisch-Baltische Dampfschiffahrt-Gesellschaft*

Address *Riga - Russia*

Fee £ *✓*

The Builders of
 Helingors Porten
 Maskinbyggveri Et

Received by me *Fredrick Kueh*
Surveyor.