


FREEBOARD

Verification Report

Port of Survey *Onadabrough*
Date of Survey *during construction*
Name of Surveyor *J. B. Wippre*

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
"S. SUFFOLK COAST" W. Harkness Son. No 212	Liverpool. British	140511.	under Deck 622.43.	1917.	 100 A1 (Contemplated)
Number in Register Book _____					

Registered Dimensions from Ship's Register.	LENGTH. 198.0	BREADTH. 30.7.	DEPTH. 12.5	UNDER DECK TONNAGE. 622.43.
Length on LOADLINE.	198. ✓	Frame Depth 6 Rule " 3½	Ceiling 2ft 2in Sheer + .74.	Peak } included Tanks } are. — 2.1 in tonnage, in 3 to pass.
		2½ × 2 = 5 = .42.	2½ + 2 = 4.5 12 drop into 3 to pass.	
CORRECTED DIMENSIONS.	198. ✓	30.28 ✓	13.42.	620.43.

Moulded Depth as measured..... 14 - 5 ✓

15 - 0 1/2
2 - 7 1/2

12 - 4 3/4

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.....	198 · 0	-
Length in Table	173 · 0	-
Difference	<u>25 · 0</u>	
Correction for 10ft., Table A.	1 · 0	Table C.
× Difference divided by 10	2 · 50	-(if required.)
If $\frac{6}{10}$ ths length covered divide by 2	1 · 25	+ $\frac{1}{4}$

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered	752
Thickness of usual wood deck, less stringer	3 .

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships.....	30. 0'
Round of Beam	7 $\frac{1}{4}$
Normal round.....	<u>7$\frac{1}{2}$</u>
Difference	$\frac{1}{4} \div 2 =$
Proportion of Deck uncovered (Para. 19)

Co-efficient of fineness..... .77 ✓
Any modification necessary } -.02. *See. DTS.*
[Para. 4 (a) to (e)]* }
Co-efficient as corrected75 ✓

Sheer { Stem..... $69\frac{1}{2}$ } $107\frac{1}{2} \div 2 = 53\frac{3}{4}$...Mean
at { Sternpost ... $38\frac{1}{2}$ }

Shear at $\frac{1}{8}$ of the length from $\left\{ \begin{array}{l} \text{Stem} \quad 40 \frac{3}{4} \\ \text{Stempost.} \quad 21 \frac{1}{4} \end{array} \right\} 62 \div 2 = 31 \div 56.36 \text{ Mean}$

7.36	Gradual mean Sheer	55.05	✓
29.80	Standard mean Sheer [Table, Para. 18]	29.80	✓
26.56			Correction
7.37	Difference.....	25.25	✓
		$\div 4 = 6.31$	
	§ If limited as Para. 18 (f).....		- 6.31

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

<div> <div> Fall in Sheer </div> <div> Para. 18 (d) </div> </div>	<div> } </div>	<div> ÷ 2 = </div>
Length uncovered		

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... 62.

Correction for Length, if required (Para. ~~12, 13, and 14~~) "

Freeboard by Table A. corrected for sheer, ~~and for length~~, } 1 - 9 ³/₄ ✓

~~if required~~ (Para. ~~12, 13, and 14~~) } 1 - 3 ¹/₄ ✓

Difference "

Percentage as below..... "

- 9 ³/₄ ✓

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	+ 1/2.
Allowance for Deck Erections	- 9 1/4.

	Length.	Length allowed.	Height.
Forecastle.....	25-0	25-0	7-0
Bridge House	13-0 ^{4 overhang} _{2 at base}	13-20	7-0
† Raised Qr. Dk.....	111-12	111-12	3-8
Poop.....	149-2	149-32	75-4
Total	198-0	198-0	

Length of Ship
Corresponding percentage { 63.17%
(Para. 11, ~~12, 13, or 14~~)

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	10 ⁹ / ₄ "
Summer Freeboard	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 ~~main~~ iron deck with side.

Winter Freeboard from deck line	1. 0
Summer " " " "	10 "
Indian Summer " " " "	✓
N. A. Winter " " " "	✓

(Iron) Deck :—	0...	10
...	3 $\frac{3}{4}$

† 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 measurement should be at time of survey, and also the usual load draft forward and aft should be reported.

P.T.O.

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? *Built. Angle. framing.*

Has the Poop or 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? ☒ Yes. Has the Bridge House an efficient Bulkhead at the fore end? ☒ Yes.

Give particulars of the means for closing the openings in Bulkhead *port lights only*

What is the thickness of the Bridge Front plating? *.26* and Coaming plate? *.40*

Give scantlings and spacing of the Stiffeners *5 1/2 x 3 x .40 built. angle 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.

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

How are the openings closed? *no. Tank wood door. Accommodation; steel coaming*

Is the Forecastle at least as high as the main or top-gallant rail? *7'0"* Has the Forecastle an efficient Iron Bulk'd. at after end? ☒ Yes.

Are the Engine and Boiler openings covered by a *Bridge, Poop, Raised* Quarter Deck, enclosed by a Strong *Steel* Deckhouse? ☒ Yes.

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 *.25 plating. 30 Coaming, 3 x 2 1/2 x .30 angle. spaced 30"*

What is the height of the exposed Casings? *7'0"* 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. 38'-6" x 17'-11 1/2" - 2nd.		No. 2. 31'-10" x 17'-11 1/2" - 2nd.					
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	36"	36"	30"	30"				
	Sides	.44	.44	.44	.44				
	Ends	.44	.44	.44	.44				
SHIFTING BEAMS OR WEB PLATES.	Number	Seven	Seven	Six	Six				
	Section and Scantlings	7 1/2 x 16 x 3/8 4 x 3 x 1/4	80"	7 1/2 x 16 x 3/8 4 x 3 x 1/4	80"				
	Material	Steel		Steel					
* FORE AND AFTERS.	Number								
	Section and Scantlings								
	Material								
HATCHES	Thickness	3"	3"	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? *.26* Strake between Main and Bridge Sheerstrakes? *.40*

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, *gangway fitted* satisfactory.

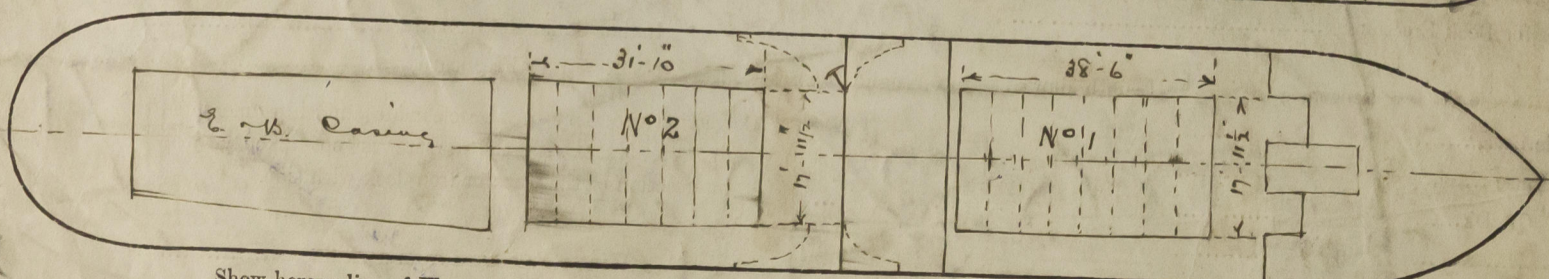
Length of Bulwarks in well *48'-10"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *11.4* Sq. ft.

Ft. Tenth. Ft. Tenth. No. Freeing Ports (each side of vessel) = *11.895* Sq. ft.

Total deficiency or excess = *.495* Sq. ft.

		Total allowance or excess =		495 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 has been built in accordance*

The approved plans (9) forwarded herewith. Builders. Yard No. 212

Sister vessel to S.S. "Aurora" yard No. 210. Nat. freeboard report No. 9127

Builder. Messrs. Wm. Shanks & Son. (The freeboard requirements for this vessel are also forwarded)

Address. 10, Adelaide Street, (Kew) advise freeboard assigned

Received by me

Free £

