GALLOIS ~~Tynemouth~~ 24995
~~Harraden~~ 21298
Norden 24695.

THU. 7 JUN 1917

NEWCASTLE ON TYNE.

Report No. ~~69936~~ 25768

11b.

Lloyd's Register of British & Foreign ~~Shipping.~~

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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 Newcastle
Date of Survey Whilst building
Name of Surveyor Hy C T Inland

Verification Report Minst Wood Clause & No 204

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
Bournhope now "AKENSIDE"	Newcastle British	140680	✓	1917	100 A1 Contemplated

Number in Register Book 140 Sup

	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
Registered Dimensions from Ship's Register.	321·2	43·25	19·5	2149·32
Length on Loadline.	321·0	Frame Depth 9 Rule „ 5½ -·58	Ceiling +·20 Sheer +·46 Lued Tank	Peak Tanks Double Bottom aft 10' deep +31·55
CORRECTED DIMENSIONS.	321·0 ✓	42·67 ✓	20·16 ✓	2180·87 ✓

Moulded Depth as measured .... 21·9

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

Co-efficient of fineness .... ·79 ✓
Any modification necessary [Para. 4 (a) to (e)]* -·02 C.D.B
Co-efficient as corrected ...... ·77 ✓

Sheer at { Stem .... 87 / Sternpost ... 30 } 117 ÷ 2 = 58·5 ... Mean

Sheer at ⅛ of the length from { Stem 48 / Sternpost 16¼ } 64¼ ÷ 2 = 32·375 Mean ÷ ·55 = 58·86

Gradual mean Sheer .... 58·68
Standard mean Sheer [Table, Para. 18] .... 42·10 Correction
Difference .... 16·58 ÷ 4 = -4¼ ✓

§ If limited as Para. 18 (f) ....

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

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline .... 321·0
Length in Table .... 261·0
Difference .... 60·0
Correction for 10ft., Table A. ...... 1·2 Table C. (if required.)
× Difference divided by 10 .... 7·2
If $\frac{6}{10}$ths length covered divide by 2 +3½ ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ths length covered ...... ·68
Thickness of usual wood deck, less stringer .... 3½ -3¼ ✓

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 42-0
Round of Beam 10¾
Normal round 10½
Difference .... ¼ ÷ 2 = ... ⅛ ✓
Proportion of Deck uncovered (Para. 19) ....

Freeboard, Table A .... 4-5 ✓
Correction for Sheer .... -4¼
4-0¾ ✓
Correction for Length .... +3½
4-4¼ ✓
Allowance for Deck Erections 1-0¼
3-4 ✓
Correction for Round of Beam .... ✓
Correction for fall in Sheer (if any) .... ✓
Correction for Iron Deck (if required) .... -3¼
3-0¾ ✓
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ ....
Other Corrections (if any) ....

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C .... 1-8¾ ✓
Correction for Length, if required (Para. 12, 13, and 14) ......
Freeboard by Table A. corrected for sheer, ~~and for length,~~ if required (Para. 12, 13, and 14) } 4-0¾ ✓
Difference .... 2-4 ✓
Percentage as below .... 43·6 ✓
12¼ ✓

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

	Length.	Length allowed.	Height.
Forecastle	32·0	32·0	7·0 shelter
Bridge House	R 67 63·0	63·0	7·0 RQD
† Raised Qr. Dk.	122·7 × 4·25/4·944	105·4	4·3
Poop			
Total		200·4 = ·624 ✓	
Length of Ship		321·0	

Corresponding percentage (Para. 11, ~~12, 13, or 14~~) } 43·6% ✓

Winter Freeboard .... 3-0¾ ✓
Summer Freeboard .... 2-9½ ✓
Indian Summer Freeboard .... 2-6¼ ✓
N. A. Winter Freeboard .... 3-3¼ ✓

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. } 1¾ ✓

Winter Freeboard from deck line .... 3-2½ ✓
Summer „ „ „ .... 2-11¼ ✓
Indian Summer „ „ „ .... 2-8 ✓
N. A. Winter „ „ „ .... 3-5 ✓

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Iron) Deck :— ... 2-11 ✓
Fresh Water Line above centre of Disc ... 5 ✓
Indian Summer Line „ „ ... 3 ✓
Winter Line below „ ... 3½ ✓
Winter North Atlantic Line „ „ ... 6 ✓

8.6.17

* If frame, 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 stern-post.

‡ 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.

Corresponding to 7-2" from statutory deck line 1¾ ins. above iron Raised Quarter Deck

[P.T.O.]

MARKING FORM RECEIVED 10 OCT 1928

MARKING REPORT RECEIVED

RETAIN

RETAIN

W467-0247

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

To what height do the Reverse Frames extend? B A 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 Steel plate secured by 3/4 Studs 6" apart

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 No openings

What is the thickness of the Bridge Front plating? .36 and Coaming plate? .40

Give scantlings and spacing of the Stiffeners 7 x 3 x .46 BA 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? Storm boards in riveted channels full length

Is the Forecastle at least as high as the main or top-gallant rail? Higher 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? By Bridge & RQD

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 —

What is the height of the exposed Casings? — 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 42-6 x 29-6		No 2 42-9 x 29-6		No 3 38-3 x 29-6		No 4 39-6 x 29-6			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Coaming.	Height above top of Deck	3-0	2-6	3-0	2-6	2-8	2-0	2-8	2-0		
Coaming. Thickness	Sides	.50	.50	.50	.50	.50	.50	.50	.50		
	Ends	.40	.40	.40	.40	.40	.40	.40	.40		
Shifting Beams or Web Plates.	Number	Four	Four	Four	Four	Three	Three	Three	Three		
	Section and Scantlings	⊐⊏ 5 x 3 x .50 ⊐L 2½ x 6"	-"-	Plate .44 thick 31 Centre 24½ Side	30 Centre	Do		Plate .44" 31 Centre 36 Side	-"- 30 Centre		
	Material	Steel	Steel								
* Fore and Afters.	Number	Four		Four		Four		Four			
	Section and Scantlings	Centre 10 x 8 Side 9 x 8		As No 1		Centre 10½ x 8 Side 9½ x 8		As No 3			
	Material	P P									
Hatches	Thickness										
	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? .36 Strake between Main and Bridge Sheerstrakes? .36

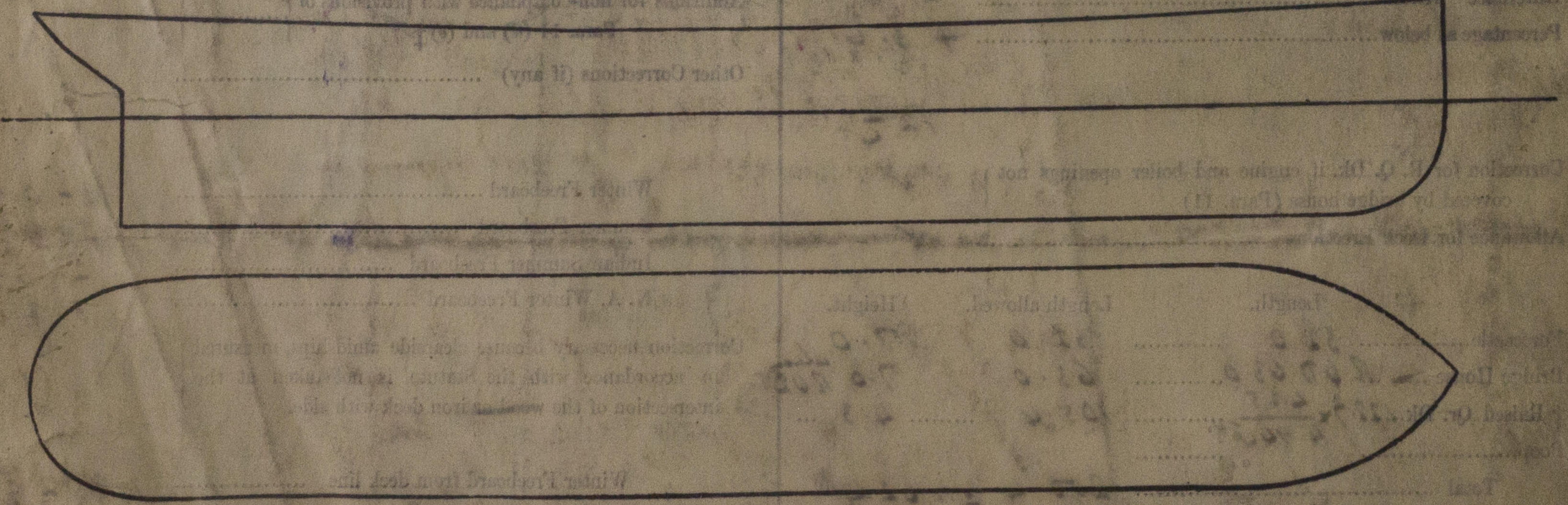
Delete the words that do not apply { The Crew ~~are~~, *are not*, berthed in the bridge house.
The arrangements to enable them to get backwards and forwards from their quarters *are*, ~~*are not*~~ satisfactory.

Length of Bulwarks in well 103-9

Area of Freeing Ports required by Para. 11 (*e*) each side of vessel = 20.75 Sq. ft.

Ft.	Tenths.		Ft.	Tenths.		No.		
3	5	×	1	.75	×	4	Freeing Ports (each side of vessel)	= ~~25.39~~ 28.25 Sq. ft.
2	5	×	1	-5	×	1		

Total deficiency or excess = ~~4.66~~ 7.5 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 is a sister ship to the Tynemouth Rpt No 69510 and Harden Rept No 68852 Request form attached. Approved plans sent for reference

Owners

" *Address*

Fee £ : : *Received by me*