

Lloyd's Register of 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 Sunderland.

Date of Survey While building

Name of Surveyor Gas. Rennie

Ship's Name.
BADJESTAN
Number in Register Book 39984

Port of Registry and Nationality.
Newcastle
British

Official Number.
149451
✓

Gross Tonnage.
✓

Date of Build.
1927.

Particulars of Classification.
+100A1 contemplated

Registered Dimensions from P's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>395.5</u>	<u>54.0</u>	<u>29.10</u>	<u>5138.35</u>
Length on LOADLINE.	<u>395.0</u>	Frame Depth <u>15</u> Rule <u>6.7</u> <u>2.2 = -1.335</u> <u>spar ceiling fitted. ✓</u>	No Ceiling } +.20 Sheer } +1.34 Level Tank.	Peak } Included Tanks } + 3.73 tons for raised tank aft
	<u>395.0</u>	<u>52.6750</u>	<u>30.64</u>	<u>5142.08</u>

Moulded Depth as measured 31'-6"
Addition for Keel below base line for draught record.....1 3/4 inches.

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.....	<u>395.0</u>
Length in Table	<u>378.0</u>
Difference	<u>17.0</u>
Correction for 10ft., Table A.	<u>1.6</u>
Table C.	<u>.8</u>
× Difference divided by 10	<u>2.72</u> (if required.) <u>1.36</u>
If <u>1/10</u> ths length covered divide by 2	<u>+2 3/4</u> <u>+1 1/4</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than <u>7/10</u> ths length covered	<u>.4495</u>
Thickness of usual wood deck, less stringer	<u>3 1/2</u> <u>-1 1/2</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>53'-2 3/4"</u>
Round of Beam	<u>15</u>
Normal round.....	<u>13.31</u>
Difference	<u>1.69</u> ÷ 2 = <u>.84</u>
Proportion of Deck uncovered (Para. 19)	<u>.5585</u> <u>.464</u> <u>-1/2</u>

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

of fineness..... .81X
Correction necessary } -.02 CDB.
[(a) to (e)] * }
as corrected79X

Mean Sheer [Table, Para. 18]

Stem 65.50
Sternpost 42.25 } 107.75 ÷ 2 = 53.87 ... Mean
Mean Sheer 95.62 + 97.92 = 96.78 ÷ 2 = 96.78 ÷ 55 = 97.92

Difference..... 47.28 ÷ 4 = 11.82
Correction -11 3/4

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

÷ 2 =
Correction

ALLOWANCE FOR DECK ERECTIONS:—

Table C.....	<u>5-0 3/4</u>
or Length, if required (Para. 12, Table A)	<u>+1 1/4</u>
Table A, corrected for sheer, and for length, if required (Para. 12, Table A)	<u>5-2</u>
below.....	<u>7-6 1/2</u> <u>2-4 1/2</u> <u>28.4629</u> <u>8.06</u>

R. Q. Dk. if engine and boiler openings not by bridge house (Para. 11)
Deck Erections

Length.	Length allowed.	Height.
<u>35.25</u>	<u>35.25</u>	<u>8.0</u>
<u>140.29</u> (including <u>5.9%</u> overhang)	<u>107.55</u>	<u>8.0</u>
<u>107.99</u> <u>2.9%</u>	<u>106.39</u>	✓
<u>34.75</u>	<u>34.75</u>	<u>8.0</u>
	<u>177.55 = .4495</u>	
<u>395.0</u>	<u>176.39</u>	
percentage } <u>28.29</u>	<u>395.0</u>	
percentage } <u>28.46</u>		

Recommended amidships from centre of Disc to top of Statutory Deck Line, (Steel) Deck:—

Fresh Water Line above centre of Disc	<u>6'-4 1/2"</u>
Indian Summer Line " " " "	<u>7"</u>
Winter Line below " " " "	<u>5 1/2"</u>
Winter North Atlantic Line " " " "	<u>6"</u>

Freeboard, Table A	<u>8-3 1/2</u>
Correction for Sheer	<u>-11 3/4</u>
Correction for Length	<u>7-3 3/4</u>
Allowance for Deck Erections	<u>+2 3/4</u>
Correction for Round of Beam.....	<u>7-6 1/2</u>
Correction for fall in Sheer (if any).....	<u>-8</u>
Correction for Steel Deck (if required)	<u>6-10 1/2</u>
Corrections for non-compliance with provisions of Para. 11 (d) and (e) †	<u>-1 1/2</u>
Other Corrections (if any)	<u>6-8 1/2</u>
Winter Freeboard	<u>6-8 1/2</u>
Summer Freeboard	<u>6-2 3/4</u>
Indian Summer Freeboard	<u>5-9</u>
N. A. Winter Freeboard	✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~steel~~ steel deck with side.

$(\frac{25.25}{37.0})^2 \times \frac{15}{1} < 18.1 = 1.90$

Winter Freeboard from deck line

Winter Freeboard from deck line	<u>6-10 1/2</u>
Summer " " " "	<u>6-4 3/4</u>
Indian Summer " " " "	<u>5-11</u>
N. A. Winter " " " "	✓

† 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.

† 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.

005480-005488-0094

FW = $\frac{12320}{43.2 \times 40} = 7.03$

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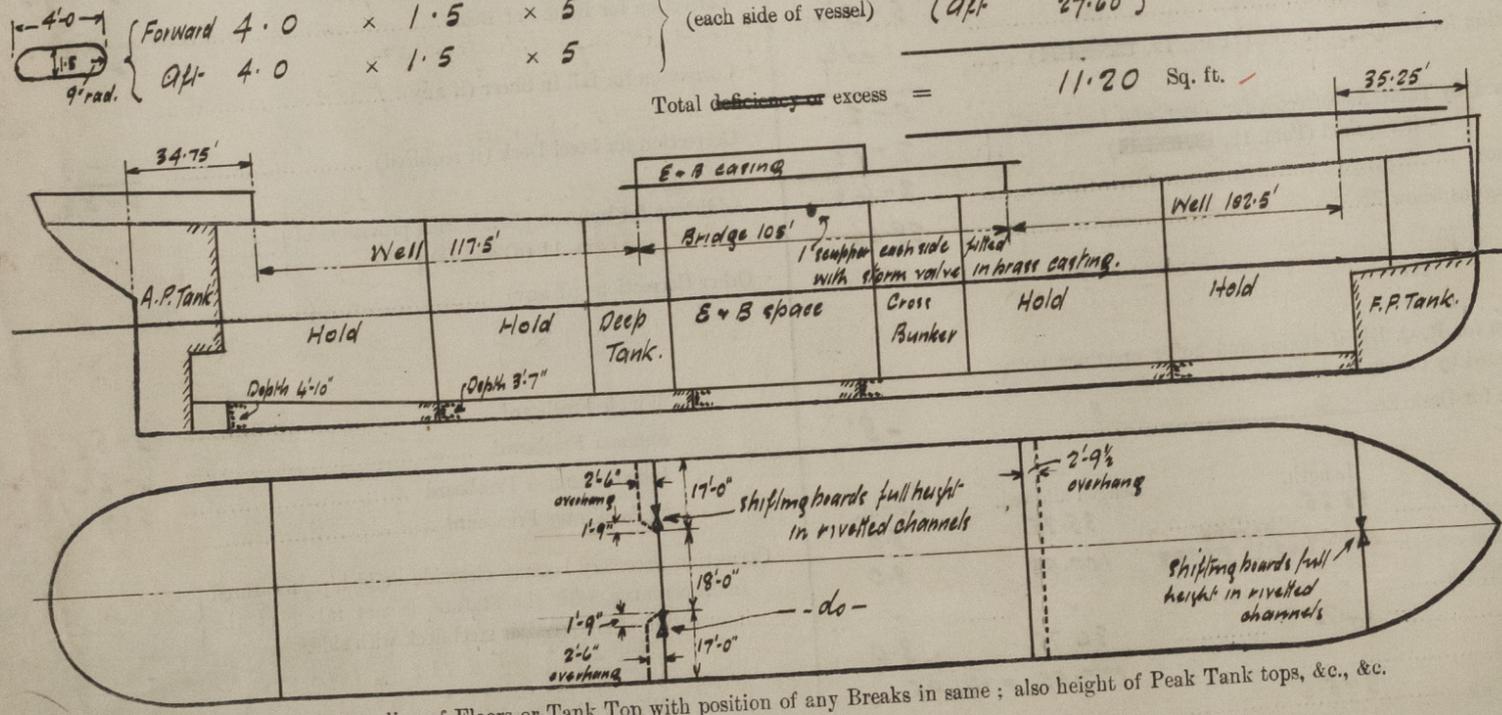
Do all the Frames extend to the top height in the Poop? *Yes.* Raised Quarter Deck? *Yes.* Bridge House? *Yes.* Forecastle? *Yes.*
 To what height do the Reverse Frames extend? *Channel framing.*
 Has the Poop ~~Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes.*
 Give particulars of the means for closing the openings in Bulkhead *No openings.*
 Is the Poop ~~Raised Quarter Deck~~ connected with the Bridge House? *No.* 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? *.40"* and Coaming plate? *.44" x 3'-0" high*
 Give scantlings and spacing of the Stiffeners *9' 3" x .50" bulb 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.*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes.*
 How are the openings closed? *With shifting boards full height in rivetted channels.*
 Is the Forecastle at least as high as the main or top-gallant rail? *Upper Deck 8'-0" above* Has the Forecastle an efficient Iron ~~Web~~ Bulk'd. at after end? *Yes.*
 Are the Engine and Boiler openings covered by a Bridge, ~~Pop, Rain~~ *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 *Yes.*
 What is the height of the exposed Casings? *7'-9" to 7'-6"* 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:— *Yes.*

Position and Size.	N°1. 31'-6" x 20'-0"		N°2. 32'-6" x 20'-0"		N°3. (on Bridge Deck) 22'-6" x 20'-0"		N°4. 32'-6" x 20'-0"		N°5. 30'-0" x 20'-0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	46 1/2"	46" apprd	49 1/2"	49" apprd	30"	Approved.	39 1/2"	39" apprd	39 1/2"	39" apprd
Thickness	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44
SHIFTING BEAMS OR WEB PLATES.	6 17" x 16 plate 4 x 3 x 1/4 angles Steel		6 17" x 16 plate 4 x 3 x 1/4 angles Steel		2 x Trunk 17" x 16 plate 4 x 3 x 1/4 angles Steel		6 17" x 16 plate 4 x 3 x 1/4 angles Steel		5 13" x 16 plate 4 x 3 x 1/4 angles Steel	
* FORE AND AFTERS.	✓		✓		✓		✓		✓	
HATCHES Thickness	3"	2 1/2" apprd	3"	2 1/2" apprd	3"	2 1/2" apprd	3"	2 1/2" apprd	3"	2 1/2" apprd
Remarks	Good.		Good		Good.		Good.		Good.	

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (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.*
The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.
 Length of Bulwarks in well *Forward 102.5' x 3.5' Aft 117.5' x 3.5'*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *{ Ford 20.50 } Sq. ft. = 44.00*
{ Aft 23.50 }
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *{ Ford 27.60 } Sq. ft. = 55.20*
{ Aft 27.60 }
 Total deficiency or excess = *11.20 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 *There are no special features.*
 Builder's name and yard number *Barham & Sons Ltd. No 260*
 Names of sister vessels *✓*
 Owners *The Hindustan Steam Shipping Co Ltd. (Common Prop. Managers)*
 Address *Exchange Buildings, Quayside, Newcastle on Tyne.*
 Fee £ *10 : 1 : 8* Received by me *See Report.*
 will be charged on completion *The Builder state that the load displacement is 12320 tons, & the tons per inch 43.8*

