

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH 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 Whilst Building
Name of Surveyor J. Hodgson

Ship's Name S/s "INSTON"
Wilson's 185 Ship
Number in Register Book 145/38

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<u>240.2</u>	<u>38.2</u>	<u>16.4</u>	<u>1360.04</u>
<u>9.45</u>	<u>mean</u> Frame Depth <u>7 1/2</u> Rule <u>5</u> <u>— .42</u> <u>no Cargo Battens</u> <u>+ .33</u>	<u>Ceiling</u> <u>Laid</u> Sheer <u>+ .84</u>	<u>Peak</u> <u>included</u> Tanks
<u>9.45</u>	<u>38.11</u>	<u>17.54</u>	<u>1360.04</u>

Moulded Depth as measured 18-10"
Addition for Keel below base line for draught record 1 1/2 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 269.45
Length in Table 226
Difference 43.45
Correction for 10ft., Table A. 1.1 Table C.
× Difference divided by 10 11.82 (if required.)
If 1/10ths length covered divide by 2 2.241 = + 2 1/4"

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered 4/10 including Hatches
Thickness of usual wood deck, less stringer - 3 1/2 raised winch platform

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships 38.0
Round of Beam 9 1/2
Normal round 9 1/2
Difference ÷ 2 = ✓
Proportion of Deck uncovered (Para. 19) ✓

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

Freeboard, Table A 3-5 1/4
Correction for Sheer 4 3/4
2-9 1/4
+ 2 1/2
Correction for Length 2-11 3/4
Allowance for Deck Erections 10
2-1 3/4
Correction for Round of Beam ✓
Correction for fall in Sheer (if any) ✓
Correction for Iron Deck (if required) 3 1/2
1-10 1/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) ✓
Other Corrections (if any) ✓

1/53
DB - .02
.43
136 ÷ 2 = 68 ...Mean
68.2
37.0
36.1
Length from Stem 52
Sternpost 23
68.1
45 ÷ 2 = 34.5 ...Mean
÷ 53 = 68.2
[Table, Para. 18] 34.0
Difference 3.1
Correction ÷ 4 = - 3/4
18 (f) ✓

front of bridge house ✓
after end of forecastle ✓
÷ 2 = ✓
Correction

ALLOWANCE FOR DECK ERECTIONS:—
if required (Para. 12, 13, and 14) 1-1
corrected for sheer, and for length, 2-9 1/4
dred (Para. 12, 13, and 14) 1-8 1/4
49.32
- 10"

if engine and boiler openings not in house (Para. 11) ✓
rections

Length.	Length allowed.	Height.
<u>26.0</u>	<u>26.0</u>	<u>4.0</u>
<u>55.6</u>	<u>55.6</u>	<u>4.25</u>
<u>102.2-21.4=80.8</u>	<u>80.8</u>	<u>4.00</u>
<u>21.4</u>	<u>21.4</u>	<u>4.0</u>
<u>1.83.8</u>	<u>148.4</u>	<u>66.2</u>
<u>269.75</u>	<u>240.0</u>	
	<u>269.75</u>	
	<u>49.3</u>	

Winter Freeboard 1-10 1/4
Summer Freeboard - 2 1/2 1-4 3/4
Indian Summer Freeboard - 5 1-5
N. A. Winter Freeboard + 2 2-0
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. + 1 1/2

Winter Freeboard from deck line 1-11 3/4
Summer " " " 1-9 1/4
Indian Summer " " " 1-6 1/2
N. A. Winter " " " 2-1 1/2

Recommended amidships from centre of Disc to top of Statutory Deck Line, (Iron) Deck:—
Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " " "

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planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.
an allowance for deck erections under Para. 11 where the sheer drops abaft amidships of the R.Q.D. is to be taken from the level of the top of the amidship beam.
the total standard mean sheer means the sheer measured at the stem and stern, having poops and forecastles, it means the sheer measured at points distant from the vessel's length from stem and stern-post.

State dimensions of freeing port area on back of this.
The Surveyor should state whether the fall in sheer is reported is measured relatively to the straight line of keel or to the water line. If measured relatively to the water line the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported.

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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Allymate Frames* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *✓* *Deep, Bull angle frames.*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Poop front Steel.* *R & Q DR joined to Bridge House*
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged doors in Poop front.*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *R & Q DR* 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? *3/4* and Coaming plate? *3/8*
 Give scantlings and spacing of the Stiffeners *4 x 3 x 52 Bull Angles spaced 30 inches 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 openings*
 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? *Steel*
 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 Deck.*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *✓*
 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? *✓*
 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:— *As below.*

Position and Size.		No. 1. 28-9" x 18-0" d to 25-0"		No. 2. 28-9" x 25-0"		Cross Bkt. 8-7" x 25-0"		No. 3. 29-8 1/2" x 24-0"		No. 4. 29-8 1/2" x 24-0" d to 20-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	4'-6"		4'-6"		4'-6"		4'-0"		4'-0"	
	Thickness { Sides.....	1/4"		1/4"		1/4"		1/4"		1/4"	
	Ends.....	1/4"		1/4"		1/4"		1/4"		1/4"	
SHIFTING BEAMS OR WEB PLATES.	Number.....	5		5		1		5		5	
	Section and Scantlings.....	11-20" x 38" 5 x 3 x 48" ✓		11-22" x 38" 5 x 3 x 48" ✓		Same as No. 2. ✓		Same as No. 2. ✓		Same as No. 1. ✓	
	Material.....	Steel.									
* FORE AND AFTERS.	Number.....										
	Section and Scantlings.....	None		None		None		None		None	
	Material.....										
HATCHES Thickness.....		2 1/2" ✓		2 1/2"		2 1/2"		2 1/2"		2 1/2"	
Remarks.....		Laid fore & aft		Laid fore & aft		Laid fore & aft		Laid fore & aft		Laid fore & aft	

* 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.

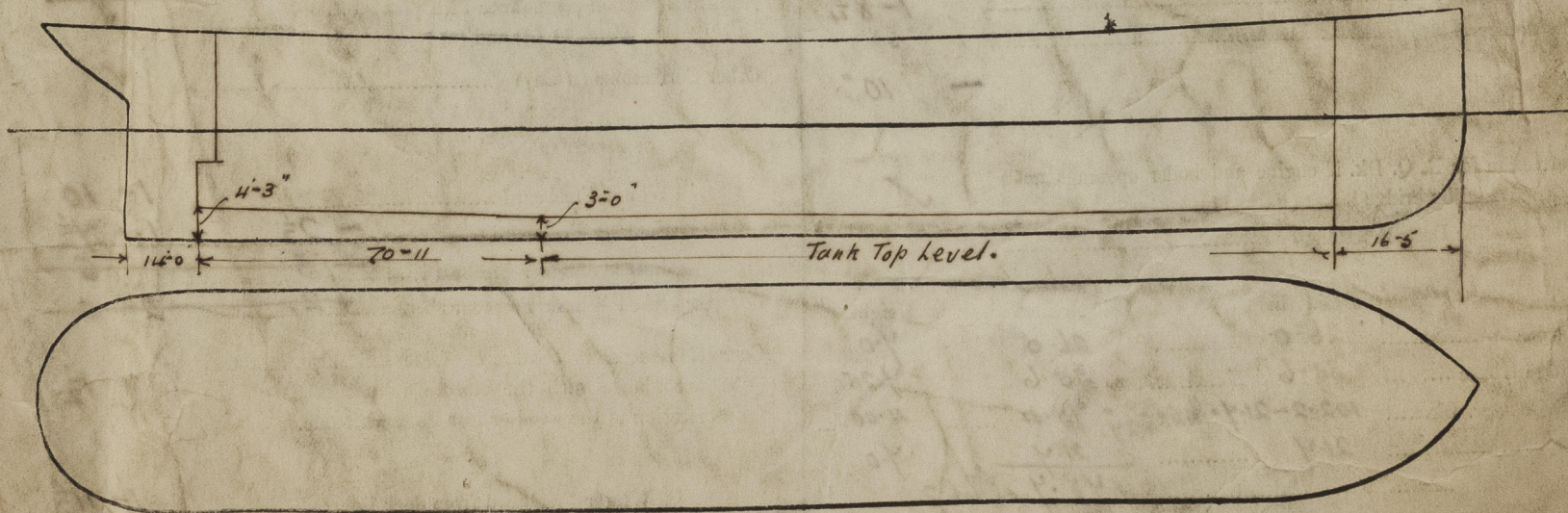
What is the thickness of the Bridge Sheerstrake? *5/16* Strake between Main and Bridge Sheerstrakes? *50*

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, ~~satisfactory~~ *satisfactory*.

Length of Bulwarks in well *forward 86'-3" aft 80'-6"*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *forward 14.45 - 16.6* Sq. ft.
 = *18.90* Sq. ft.

Ft. Tenths. Ft. Tenths. No. }
Forward 2.83 x 1.67 x 4
aft 2.45 x 1.5 x 4
 Freeing Ports (each side of vessel) = *16.5* Sq. ft.

Total deficiency or excess = *1.65* 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 *Plans of approved midship section &*

Profile & Decks forwarded herewith

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