

SURVEYS FOR FREEBOARD.—STEAM SHIPS. no 6327.

LAWS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
 GAILENT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
 CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey

Date of Survey

Name of Surveyor

Ship's Name. *Hamilton* 96
 Port of Registry and Nationality. *Stranraer British*
 Official Number. *98334*
 Gross Tonnage. *150*
 Date of Build. *1905*
 Particulars of Classification. *+100 A1*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
	<i>85-0</i>	<i>20-1</i>	<i>8-2</i> <i>8-33 1/2 ft</i>	<i>97-14</i>
Length on LOADLINE	<i>84-0</i>	Frame Depth Rule <i>3 1/2</i>	Ceiling <i>2 1/2</i> Sheer <i>3 1/2</i>	Peak Tank <i>4-16</i> (estimated)
CORRECTED DIMENSIONS.	<i>84-0</i>	<i>20-1</i>	<i>8-65</i>	<i>101-3</i>

Co-efficient of fineness

Any modification necessary

[Para. 4 (a) to (e) *]

Co-efficient as corrected

Sheer at Stem *33* *60* $\div 2 = 30$ Mean
 at Sterpost *27*

Sheer at $\frac{1}{2}$ of the length from Stem *20* *35* $\div 2 = 17.5$ Mean
 Sternpost *15*

Gradual mean Sheer *Par 14* *Par 11*
 Standard mean Sheer (Table, Para. 18) *11-04* *18-4* Correction
 Difference *4-46* *11-6* $\div 4 =$

§ If limited as Para. 18 (f) *11-04* *11-6* $\div 2 = 11-3$ *Par 11*

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

Fall in sheer [Para. 18 (d)] $\div 2 =$
 Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. *Par 14* *Par 11*
 Correction for Length, if required (Para. 12, 13, and 14) *1 1/2* *1 1/2*
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *1-0* *11*
 Difference *11 1/2* *9 1/2*
 Percentage as below *32 1/2* *40* *3 1/2* *3 1/4*
Par 11 Sheer *-3* Length *-1* Erection *-3 1/4* $= -7 3/4$
Par 14 " *-1 1/2* " *-2* " *-3 1/2* $= -7$

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

Allowance for Deck Erections *In view of Bridge House stiffening -7*

	Length.	Length allowed.	Height.
Forecastle	<i>14-0</i> $\times 5.25$	<i>12.25</i> ✓	<i>5-3</i>
Bridge House	<i>4-0</i>	<i>7.0</i>	<i>7-0</i>
† Raised Qr. Dk.	<i>30-0</i> $\times 2.66$	<i>27.61</i> ✓	<i>2-8</i>
Poop			
Total	<i>51-0</i>	<i>46-86</i>	<i>55-78</i>
Length of Ship	<i>84</i>		

Corresponding percentage (Para. 11, 12, 13, & 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 " " "

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frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside ceiling should be reported if possible.
 † The height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
 ‡ 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.

Moulded Depth as measured *9-0*
from keel to beam at centre line to top of floors
8-1 1/4
8-1 1/4
8-1 1/4
8-0 1/4

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 *84*
 Length in Table *108*
 Difference *24*
 Correction for 10ft., Table A. *8* Table C. *4*
 \times Difference divided by 10 *1-92* (if required.) *.96*
 If $\frac{1}{10}$ ths length covered divide by 2 *-1 par 11* *+ Table C*
-2 par 14

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered *.607*
 Thickness of usual wood deck, less stringer *2 1/2* $\times .607 = 1 1/4$
-1 1/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships *20-0*
 Round of Beam *6*
 Normal round *5*
 Difference $\div 2 =$
 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 *1-2*
 Correction for Sheer
 Correction for Length *-7*
 Allowance for Deck Erections *0-7*
 Correction for Round of Beam
 Correction for fall in Sheer (if any)
 Correction for Iron Deck (if required) *-1 1/4*
0-5 1/4
 Additions for non-compliance with provisions of Para. 11 (d) and (e) †
 Other Corrections (if any)

Winter Freeboard *0-5 1/4*
 Summer Freeboard *0-4 1/4*
 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 wood or iron deck with side.

Winter Freeboard from deck line *0-6 1/2*
 Summer " " " *0-5*
 Indian Summer " " "
 N. A. Winter, " " "

Amended Tables
 March 1906.

† 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.

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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? *All to the Bulkhead in Hold, to upper turn of the R. Q. Deck*
 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? *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? $\frac{7}{16}$ and Coaming plate? $\frac{5}{16}$
 Give scantlings and spacing of the Stiffeners $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{7}{16}$ spaced 30 angles & reverse angles
 Are bracket plates fitted at each end of the Stiffeners *at bottom none at top* 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? *Strong tinned wood doors*
 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? *Yes*
 Are the Engine and Boiler openings ~~covered by a Bridge, Poop, or Forecastle Bulkhead, or enclosed by a Strong Iron or Steel Bulkhead?~~ *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 $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{7}{16}$ angles, spaced 30
 What is the height of the exposed Casings? $6'-4"$ 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.		22'-9" x 18'-0"									
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30"	30"								
	Sides.....	$\frac{9}{16}$	$\frac{9}{16}$								
	Ends.....	$\frac{9}{16}$	$\frac{9}{16}$								
SHIFTING BEAMS OR WEB PLATES.	Number.....	2	2								
	Section and Scantlings.....	$2\frac{1}{2} \times 2\frac{1}{2} \times \frac{7}{16}$	as above								
	Material.....	Steel	Steel								
FORE AND AFTERS.	Number.....	3	3								
	Section and Scantlings.....	$2\frac{1}{2} \times 2\frac{1}{2} \times \frac{7}{16}$	✓								
	Material.....	Wood	Wood or Steel								
HATCHES Thickness.....		24"	24"								
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? $\frac{7}{16}$ Strake between Main and Bridge Sheerstrakes? $\frac{7}{16}$

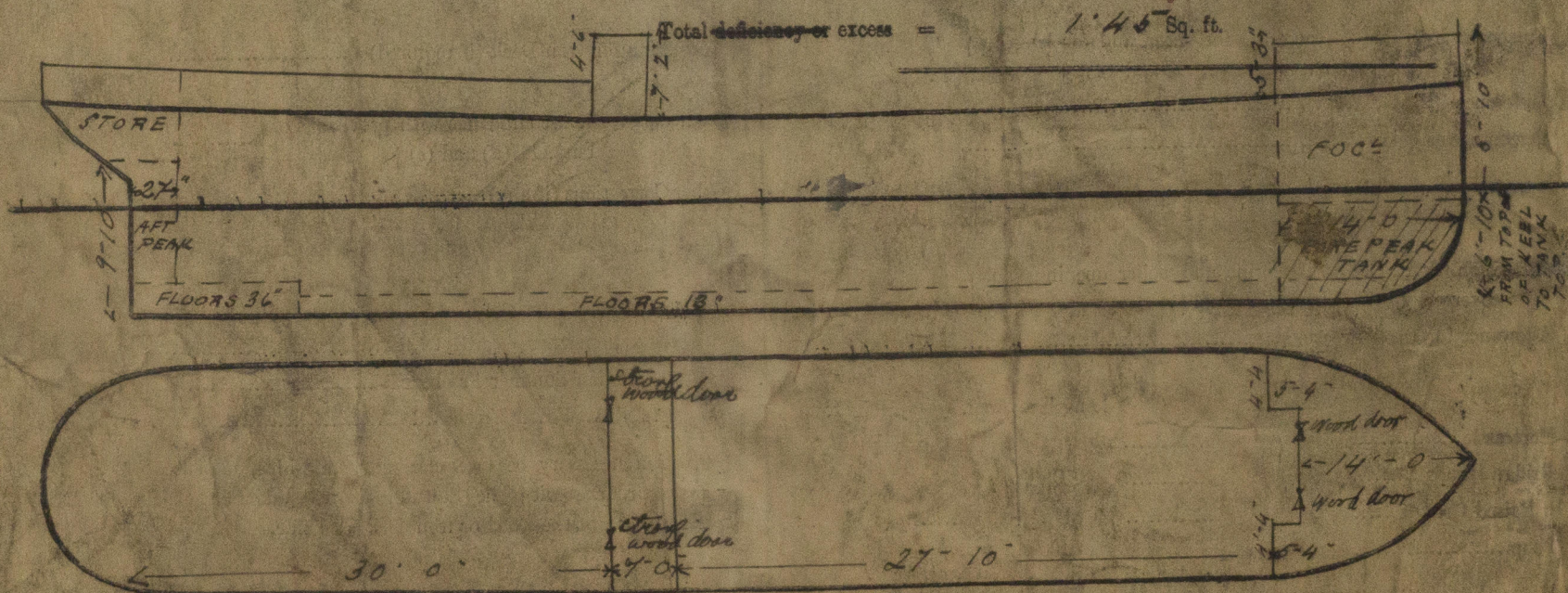
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house. *Under 150 ft.*
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters ~~are~~, are not satisfactory.

Length of Bulwarks in well 33 ft.

Area of Freeing Ports required by Para. 11 (c) each side of vessel = 9.8 Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = 11.26 Sq. ft.
 $2.5 \times 1.5 \times 3$

Total deficiency or excess = 1.45 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 *✓*

Owners *J. Marshall Law, L. Tranter*

Address

Re. *1 1 0*

Received by me

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