

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Index No. 29563
(For London Office only.)

REGULATIONS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR
TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey *Connahs Quay*
Date of Survey *25th Nov. 1920*
Name of Surveyor *Arch. Murray*

Ship's Name *Hearside*
Port of Registry and Nationality
Official Number *137275*
Gross Tonnage
Date of Build *1920*
Particulars of Classification *100 A.1.*

REGISTERED LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<i>142.8</i>	<i>24.1</i>	<i>10.85</i>	<i>289.24</i>
<i>142.7</i>	Frame Depth 3 Rule " 3	Ceiling <i>2 1/2</i> Sheer <i>4.19</i> To Floors <i>11.0</i>	Peak Tanks
<i>142.7</i>	<i>24.1</i>	<i>11.19</i>	<i>289.24</i>

efficient of fineness..... *.752*
modification necessary }
[Para. 4 (a) to (e)]* }
efficient as corrected *.75*

Stem..... *5'-1"*
Sternpost..... *6'-4"* $\div 2 = 3'-2"$ Mean *4.09 \div 36 = .19*
Stem *2'-7 1/2"*
Sternpost *3"* $\div 2 = 1'-5 1/2"$ Mean
actual mean Sheer *31.36* $\div .55 = 31.36$
Standard mean Sheer [Table, Para. 18] *24.27* Correction
Difference..... *4.09 \div 4 = 1.44*
If limited as Para. 18 (f) *- 1 3/4"*

Rise in Sheer { At front of bridge house..... *8"*
from amidships {
Para. 18 (e) { At after end of forecastle *2'-3"*

Fall in Sheer } $\div 2 =$
Para. 18 (d) }
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *0 - 3 3/4*
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, } *1.4 1/2*
if required (Para. 12, 13, and 14) }
Difference *1.3 3/4*
Percentage as below..... *52.75%*
..... *- 8.31*

Correction for R. Q. Dk. if engine and boiler openings not } *+ .20*
covered by bridge house (Para. 11) }
Allowance for Deck Erections *- 8"*

Length.	Length allowed.	Height.
Forecastle..... <i>23'-6"</i>	<i>23.5</i>	<i>6'-9"</i>
Bridge House..... <i>8'-9"</i>	<i>8.45</i>	<i>7'-0"</i>
Raised Qr. Dk..... <i>86'-3"</i>	<i>86.25 \times 2.5 = 65.54</i>	<i>2'-6"</i>
Top..... <i>3.29</i>		
Total..... <i>118'-6"</i>	<i>94.49</i>	<i>.685</i>
Length of Ship..... <i>142.8</i>	<i>142.8</i>	

Responding percentage }
Para. 11, 12, 13, or 14) *52.75%*

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

the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside
ceiling should be reported if possible. In such cases the breadth of vessel to inside
frames should be reported. 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, the sheer means the sheer measured at the stem and sternpost.
In vessels having poops and forecastles, the length means the length measured at points distant
from the stem and sternpost.

Moulded Depth as measured..... *12'-0"*
Addition for Keel below base line
for draught record..... *1 1/8* 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..... *142.7*
Length in Table *144.0*
Difference *1.3*
Correction for 10ft., Table A. *.9* Table C.
 \times Difference divided by 10 *-.117* (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 *-.058* Nil.

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *24'-0"*
Round of Beam *6"*
Normal round..... *6"*
Difference *0 \div 2 = .0*
Proportion of Deck uncovered (Para. 19)

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

Freeboard, Table A *1 - 9 1/4*
Correction for Sheer *- 1 3/4*
..... *1.4 1/2*
Correction for Length
Allowance for Deck Erections *- 8*
..... *0 - 11 1/2*
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) *- 2 1/2*
..... *0.9*
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) }
Other Corrections (if any) *Height of Raised Quarter Dk. + 2 = 6*
..... *3 - 3*

Winter Freeboard *3 - 3*
Summer Freeboard *3 - 1*
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. *+ 1"*

Winter Freeboard from deck line *3 - 4*
Summer " " " " *3 - 2*
Indian Summer " " " "
N. A. Winter " " " "
..... *3 - 2*

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 that height do the Reverse Frames extend? *Yes* *to 16.2 feet on every frame in fore peak*
 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? *24* and Coaming plate? *28*
 Give scantlings and spacing of the Stiffeners *5 1/2 x 3 x 34 J, about 24 to 27" 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? *wood cabin doors*
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient ~~Iron or Wood~~ *Steel* Bulk'd. at after end? *Yes*
 Are the Engine and Boiler openings covered by a ~~Bridge, Poop, Raised~~ *Bridge, Poop, Raised* Quarter Deck, ~~and~~ enclosed by a Strong ~~Iron or~~ *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 *Casing 24 Coaming 30 Stiffeners 3 x 3 x 28, about 30" apart*
 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:— *Yes*

Position and Size.		Fore Hatch		Main Hatch							
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING	Height above top of DECK	2'-5" at side	2'-5"	2'-0"	2'-0"	Fore hatch side coaming stiffened with 5 1/2" x 3' x .34 J stayed to deck with plate and angle lugs.					
	Sides.....	.46	.46	.46	.46						
	Thickness { Ends.....	.46	.46	.46	.46						
SHIFTING BEAMS OR WEB PLATES.	Number	3	3	5	5						
	Section and Scantlings	14" to 9" Pl. 32 angle 3 x 3 x .4		Similar to Fore Hatch							
	Material	Steel									
* FORE AND AFTERS.	Number										
	Section and Scantlings	✓	✓	✓	✓						
	Material										
HATCHES Thickness		2 1/2		2 1/2							
Remarks.....											

* 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? *Yes* Strake between Main and Bridge Sheerstrakes? *Yes*

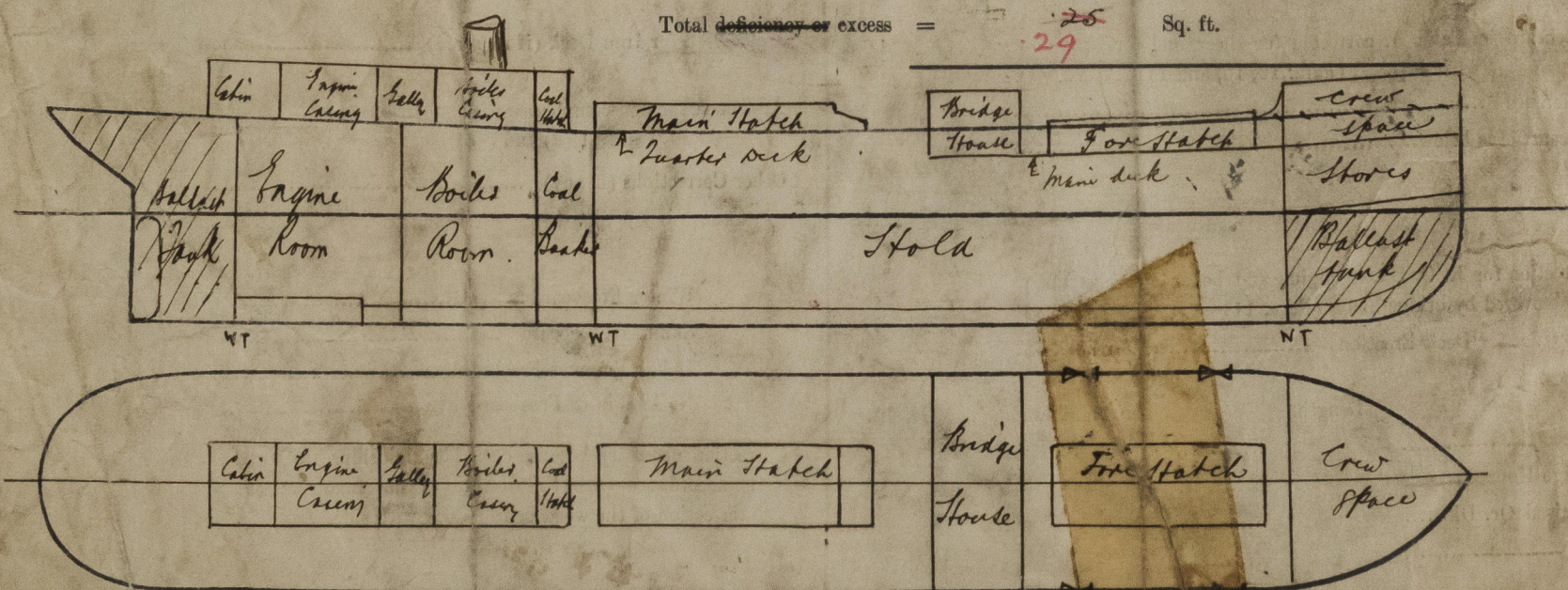
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters ~~are~~, are not satisfactory.

Length of Bulwarks in well *24'-6" 24.316*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *8.595* Sq. ft.

Ft. Tenths. Ft. Tenths. No. Freeing Ports (each side of vessel) = *8.75* Sq. ft. *9.24*

Total deficiency or excess = *25* Sq. ft. *29*



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 *Wear Steamshipping Co. Ltd*

" Address *Sunderland*

See 2 2 2 Received by me



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