

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 SUNDERLANDDate of Survey 29.1.19Name of Surveyor T.S. LEATHARD

Ship's Name. <u>MS. QUEEN GRAM</u>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>No. 221 and 224</u>				<u>TO BE BUILT</u>	<u>100. A.1 "Steel"</u> <u>(CONTINGENT)</u>
Number in Register Book					

Registered Dimensions from Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<u>11007</u>	<u>258.0</u>	<u>39.75</u>	<u>16.35</u>	<u>1355</u>
Length on LOADLINE.	<u>257.5</u>	Frame Depth <u>84</u> Rule <u>5.25</u> <u>29</u> <u>33.25</u> <u>SHIPPING FITTED</u>	Ceiling <u>FITTED</u> Sheer <u>+73</u> <u>TANK LEVEL</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>257.5</u>	<u>39.25</u>	<u>17.08</u>	<u>1355</u>

Co-efficient of fineness..... .788 say .79
Any modification necessary }
[Para. 4 (a) to (e)]* }
Co-efficient as corrected77 provisionallySheer { Stem..... 84 } 123 ÷ 2 = 61.5 ...Mean
at { Sternpost ... 39 }
Sheer at 1/2 of the length from { Stem 46.5 } 68.5 ÷ 2 = 34.25 ...Mean
{ Sternpost 22.0 }
Gradual mean Sheer 61.5 + 62.27 61.88 x
Standard mean Sheer [Table, 18] 85.75 x Correction
Difference..... 26.13 ÷ 4 = -6.53
§ If limited as Para. 18 (f) -6.5 xRise in Sheer { At front of bridge house.....
from amidships {
[Para. 18 (e)] { At after end of forecastle.....Fall in Sheer {
Para. 18 (d) } ÷ 2 =
Length uncovered
Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 1.0 3/4 x
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) } 2.10 3/4 x
Difference 1.10 x
Percentage as below..... 51.35 x
50.35 x
= 11
Correction for R. Q. Dk. if engine and boiler openings not }
covered by bridge house (Para. 11) } 11.3
Allowance for Deck Erections 11 - 11.3

	Length.	Length allowed.	Height.
Forecastle.....	<u>23.0</u>	<u>23.0</u>	<u>7.0</u>
Bridge House.....	<u>62.0</u>	<u>62.0</u>	<u>7.0</u>
Raised Qr. Dk.....	<u>76.0</u> = <u>3.5 + 4.1</u> = <u>7.6</u>	<u>64.88</u>	<u>3.6</u>
Op.....	<u>22.5</u>	<u>22.5</u>	<u>7.0</u>
Total.....	<u>183.5</u>	<u>172.38</u>	<u>174.0</u>
Length of Ship.....	<u>257.5</u> = <u>701</u>	<u>257.5</u>	<u>669</u>
Responding percentage {	<u>50.35</u> x		
Para. 11, 12, 13, or 14) }	<u>51.35</u> x		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

<u>3. 2. 19.</u>	Fresh Water Line	above centre of Disc	.....	.....	.....	.....	.....
	Indian Summer Line	"	"	"	.....	.....	.....
	Winter Line	below	"	"	.....	.....	.....
	Winter North Atlantic Line	"	"	"	.....	.....	.....

If the frames, 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 amid-
ships 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 stern-
post. 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..... 18.6Addition for Keel below base line
for draught record..... 19.4 inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 257.5 x
Length in Table 222.0 x
Difference 35.5 x
Correction for 10ft., Table A. 1.1 x Table C.
x Difference divided by 10 3.90 (if required.)
If 1/10ths length covered divide by 2 1.95 x + 2 x

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .701 - 6.75
Thickness of usual wood deck, less stringer 3 1/2 - 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 38.11 x
Round of Beam 9 3/4
Normal round..... 9 3/4
Difference ÷ 2 =
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 3.5 1/4 x
Correction for Sheer - 6 1/2 x
2.10 3/4 x
Correction for Length + 2 x
3.0 3/4 x
Allowance for Deck Erections - 11 1/2 x
2.1 1/2 3/4 x
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) - 3 1/2 1/2
Additions for non-compliance with provisions of }
Para. 11 (d) and (e) † } 1.10 1/4 x
Other Corrections (if any)Winter Freeboard 1.10 1/4 x
Summer Freeboard 2 3/4 x 1.7 3/4 1/2 x
Indian Summer Freeboard 1.5 1/4 x 4 3/4 x
N. A. Winter Freeboard 2.1 1/4 xCorrection 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 xWinter Freeboard from deck line 1.11 3/4 x
Summer " " " " 1.9 1/4 x
Indian Summer " " " " 1.6 3/4 1/4 x
N. A. Winter " " " " 2.2 3/4 x

† 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.

005003 - 005012 - 0176

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? *BULB ANGLE FRAMING*
 Has the Poop ^{AND} 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~~ 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? *3/4* and Coaming plate? *3/8*
 Give scantlings and spacing of the Stiffeners *7x3x50 8 ANGLES SPACED 30"*
 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? *Yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or 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? *✓*
 Give thickness of plating; scantlings and spacing of Stiffeners *✓*
 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.		No. 1. 26'0" x 18'0"		No. 2. 28'0" x 18'0"		No. 3. 28'0" x 18'0"		No. 4. 26'0" x 18'0"			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK										
	Thickness { Sides.....										
	Ends.....										
SHIFTING BEAMS OR WEB PLATES.	Number										
	Section and Scantlings										
	Material										
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness											
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? *5/4* Strake between Main and Bridge Sheerstrakes? *5/8*

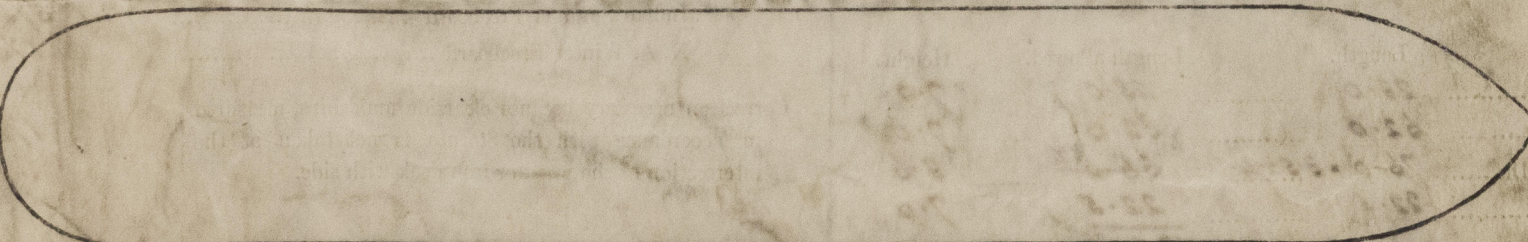
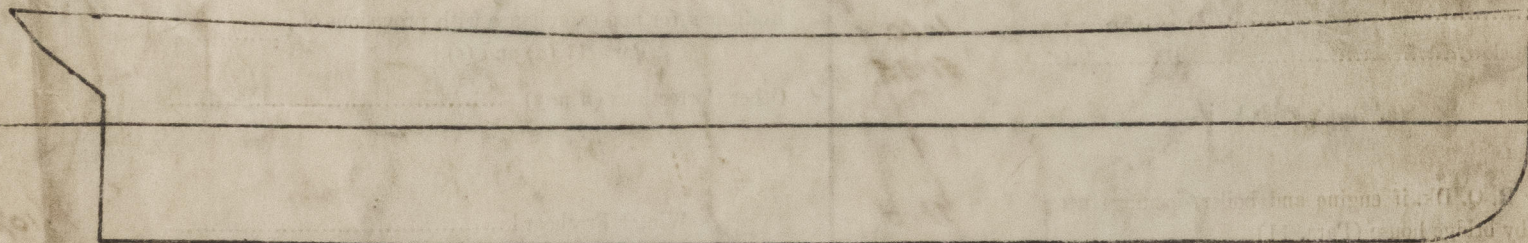
Delete the words { The Crew ~~are~~, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well *well 74 ft.*

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

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = Sq. ft.

Total deficiency or excess = 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 *THE PLANS OF THESE VESSELS ARE NOW IN*

THE LONDON OFFICE FOR APPROVAL

J. S. Richards

Owners

Address

Fee £

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