

Sailing Vessel. ~~IRON OR~~ STEEL SAILING SHIP.

THURS.

No. 10415

Port of *Greenock* Date of completion of Report *31st January 1894* Received at London Office
Survey held at *Greenock* Date of First Survey *Aug 8th 1893* Last Survey *31st January 1894*
On the *"King George"* Rig *Ship*TONNAGE under
Tonnage Deck. } *2079.19*ONE ~~OR TWO~~ DECKED VESSEL.Do. of Poop & Wings *91.96*CLASS *100A1*Do. of raised Or.
Do. or Break }Do. of Bridge House *18.81*Do. of Forecastle *51.65*Do. of Houses on Deck *2241.61*Do. of access of Hatchways *91.63*Gross Tonnage *2241.61*Less Crew Space *2149.98*TONNAGE FOR FEES.. *92.44*Less Navigation spaces *2057.24*Register Tonnage
as cut on Beam.....Half Breadth (moulded)..... *20.84*Depth from upper part of Keel to top of Upper Deck Beams *26.40*Birth of Half Midship Frame (as per Rule)..... *43.10*1st Number..... *90.64*Length..... *261.4*2nd Number..... *23728*Proportions—Breathths to Length..... *6.24*Depths to Length—Upper Deck to top of Keel..... *9.80*Destined Voyage *Philadelphia*Master *W. S. Drummond*Year of Appointment *1894*Built at *Greenock*When built *1894* Launched *28th Nov. 1893*By whom built *Russell & Co*Owners *John & Walter & Co*

Managers

(Where necessary to be entered in Reg. Book.)

Residence *134, W. Vincent St. Glasgow*Port belonging to *Glasgow*LENGTH on deck Feet. Inches. BREADTH—Feet. Inches. DEPTH—Feet. Inches. No. of Decks with Flat laid
as per rule..... *261* *8½* Moulded..... *41* *9* Top of Floors to Upper Deck Beams.. *24* *5½* No. of Tiers of Beams *Two*
Dimensions of Ship per Register, Length, *248.4* breadth, *42.1* depth, *24.2* Moulded depth, ft. *25* in. *10* Round up of Beam *10* ins.

FORGINGS AND CASTINGS.	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar or Side Plates, depth and thickness	<i>10 x 2½</i>	<i>10 x 2½</i>
STEM, moulding and thickness.....	<i>10 x 2½</i>	<i>10 x 2½</i>
STERN POST, do. do.....	<i>10 x 2½</i>	<i>10 x 2½</i>
MAIN-PIECE of RUDDER, diameter at head..	<i>4</i>	<i>4</i>
" " " at heel ..	<i>3½</i>	<i>3½</i>

RUDDER, how constructed *Iron frame & side plates.*
Can the Rudder be unshipped afloat? *Yes.*

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, <i>7</i> Bars, for $\frac{2}{3}$ length amidships.....	<i>5½</i>	<i>3½</i>	<i>8</i>	<i>5½</i>	<i>3½</i>	<i>8</i>	
Do. for $\frac{1}{3}$ at each end.....	<i>5½</i>	<i>3½</i>	<i>4</i>	<i>5½</i>	<i>3½</i>	<i>4</i>	
Distance of Frames from moulding edge to moulding edge, all fore and aft.....	<i>24</i>		<i>24</i>				
REVERSED FRAME, Angles.....	<i>4</i>	<i>3½</i>	<i>8</i>	<i>4</i>	<i>3½</i>	<i>8</i>	
DEEP FRAMING, depth of girder.....							
FLOORS, depth and thickness of Floor Plate at mid line for $\frac{2}{3}$ length amidships..	<i>24</i>	<i>10</i>	<i>24</i>	<i>10</i>			
" thickness at the ends of vessel.....		<i>9.8</i>		<i>9.8</i>			
" depth at $\frac{1}{3}$ the half breadth, as per Rule ..	<i>13½</i>		<i>13½</i>				
" height extended at the Bilges.....	<i>54</i>		<i>54</i>				
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb.....	<i>10</i>	<i>6</i>	<i>10</i>	<i>6</i>	<i>10</i>		
" Angles on Upper Edge.....							
" Average space.....	<i>48</i>		<i>48</i>				
BEAMS, Lower Deck, Plate or Tee Bulb.....	<i>11</i>	<i>6½</i>	<i>11</i>	<i>6</i>	<i>10</i>		
" Angles on Upper Edge.....							
" Average space.....	<i>48</i>		<i>48</i>				
BEAMS, Hold, Plate or Tee Bulb.....							
" Angles on Upper Edge.....							
" Average space.....							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb.....	<i>4</i>	<i>5</i>	<i>8</i>	<i>6½</i>	<i>4</i>	<i>6</i>	
" Angles on upper edge.....							
" Average space.....	<i>48</i>		<i>48</i>				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb.....							
" Angles on upper edge.....							
" Average space.....							
BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb.....	<i>8</i>	<i>5</i>	<i>8</i>	<i>7½</i>	<i>5</i>	<i>7</i>	
" Angles on Upper Edge.....							
" Average space.....	<i>48</i>		<i>48</i>				
BEAMS, In 'tween Decks, Size and Spacing	<i>29</i>	<i>48</i>	<i>29</i>	<i>48</i>			
" Hold.....	<i>4</i>	<i>48</i>	<i>4</i>	<i>48</i>			
" Quarter, 'tween Dks.....							
" in Holds.....							

KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	<i>20</i>	<i>13</i>	<i>20</i>	<i>13</i>			
" Rider Plate.....	<i>12½</i>	<i>13</i>	<i>12½</i>	<i>13</i>			
" Bulb Plate to Intercoastal Keelson.....							
" Horizontal Plates above floors.....							
" Angles.....	<i>6</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>9</i>	
SIDE KEELSON, Angles.....	<i>6</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>9</i>	
" Bulb or Plate above floors for..... length							
" Intercoastal Plate.....	<i>3½</i>	<i>3½</i>	<i>9</i>	<i>3½</i>	<i>3½</i>	<i>9</i>	
" Attached to outside Plating with Angle..	<i>6</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>9</i>	
BILGE KEELSON, Angle.....	<i>6</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>9</i>	
" Bulb above floors for..... length							
" Intercoastal Plates for..... length							
" Attached to outside Plating with Angle..	<i>6</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>9</i>	
BILGE STRINGER, Angles.....	<i>6</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>9</i>	
" Bulb Plate for..... length	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>			
" Intercoastal Plates.....	<i>13</i>	<i>10</i>	<i>13</i>	<i>10</i>			
" Attached to outside Plating with Angle	<i>6</i>	<i>3½</i>	<i>9</i>	<i>6</i>	<i>3½</i>	<i>9</i>	
SIDE STRINGER, Angles.....	<i>6</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>9</i>	
" Bulb Plate for..... length							
" Intercoastal Plate for..... length	<i>13</i>	<i>10</i>	<i>13</i>	<i>10</i>			
" Attached to outside Plating with Angle	<i>5½</i>	<i>3½</i>	<i>9</i>	<i>5½</i>	<i>3½</i>	<i>9</i>	
UPPER SIDE STRINGER, Angles.....							
" Bulb Plate for..... length							
" Intercoastal Plate for..... length							
" Attached to outside Plating with Angle							

Main Deck Stringer Plate, breadth and thickness.....	<i>44</i>	<i>10</i>	<i>44</i>	<i>10</i>			
" Angle on ditto.....	<i>4½</i>	<i>10</i>	<i>4½</i>	<i>10</i>			
" Tie Plates fore and aft, outside Hatchways ..	<i>15</i>	<i>9.8</i>	<i>15</i>	<i>9.8</i>			
" Diagonal Tie Plates, No. of Pcs.....							
" Main Dk. * Iron or Steel for..... half len.	<i>33-4</i>	<i>P.P.</i>	<i>33-4</i>	<i>P.P.</i>			
" Wood Deck, Material & thickness.....							
Lower Deck Stringer Plate, breadth and thickness.....	<i>39</i>	<i>9</i>	<i>39</i>	<i>9</i>			
Is the Stringer Plate attached to the Outside Plating?	<i>Yes</i>						
" Angles on ditto, No. <i>2</i>	<i>44</i>	<i>4</i>	<i>44</i>	<i>4</i>			
" Tie Plates, outside Hatchways.....	<i>15</i>	<i>9</i>	<i>15</i>	<i>9</i>			
" Diagonal Tie Plates, No. of Pcs.....							
" Deck, Material & thickness.....	<i>3</i>	<i>P.P.</i>	<i>3</i>	<i>P.P.</i>			

Hold Stringer Plate.....							
Is the Stringer Plate attached to the Outside Plating?							
" Angles on ditto, No.....							
Poop Deck Stringer Plate, breadth & thickness	<i>24</i>	<i>4</i>	<i>24</i>	<i>4</i>			
" Angle on ditto.....	<i>4</i>	<i>3</i>	<i>4</i>	<i>3</i>			
" Tie Plates.....	<i>11½</i>	<i>6</i>	<i>11½</i>	<i>6</i>			
" Deck, Material and thickness.....	<i>3</i>	<i>P.P.</i>	<i>3</i>	<i>P.P.</i>			
Bridge Deck Stringer Plate, breadth & thickness							
" Angle on ditto.....							
" Tie Plates.....							
" Deck, Material and thickness.....							

Forecastle Deck Stringer Plate, b'dth & thkns	<i>24</i>	<i>4</i>	<i>24</i>	<i>4</i>			
" Angle on ditto.....	<i>4</i>	<i>3</i>	<i>4</i>	<i>3</i>			
" Tie Plates.....	<i>11½</i>	<i>6</i>	<i>11½</i>	<i>6</i>			
" Deck, Material and thickness.....	<i>3</i>	<i>P.P.</i>	<i>3</i>	<i>P.P.</i>			

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.							
BULKHEADS.	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	Height up.		
	In Vessel.	Per Rule.	Horizontal.	Vertical.	Spacing.		
			Inches.	Inches.	Inches.		
W.T. BULKHEADS	<i>1</i>	<i>1</i>	<i>4</i>	<i>6</i>	<i>10</i>	<i>30</i>	<i>Double Upper 30</i>
PARTITION "	<i>1</i>	<i>1</i>	<i>4</i>	<i>6</i>	<i>10</i>	<i>30</i>	<i>Double Upper 30</i>

Are the outside Plates doubled two spaces of Frames in length?	<i>Yes</i>						
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STRAKES.	AS IN SHIP.						PER RULE OR AS APPROVED.		EDGES.			RIVETING.							
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	Rivets.	Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.					Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.
KEEL (Riveting)									Double										
GARBOARD OR A Strake ...	45	12	11	11	45	12	"	"	"	54	3/8	3/8	Shells	3/8	163	15			
B " "	54	11	10	9	54	11	"	"	"	"	"	"	"	"					
C " "	54	11	10	9	54	11	"	"	"	"	"	"	"	"					
D " "	54	12	10	10	54	12	"	"	"	"	"	"	"	"					
E " "	46	12	11	10	46	12	"	"	"	"	"	"	"	"					
F " "	54	12	10	10	54	12	"	"	"	"	"	"	"	"					
G " "	46	12	11	10	46	12	"	"	"	"	"	"	"	"					
H " "	54	12	10	10	54	12	"	"	"	"	"	"	"	"					
J " "	46	11	10	9	46	11	"	"	"	"	"	"	"	"					
K " "	54	12	9	9	54	12	"	"	"	"	"	"	"	"					
L " "	46	11	10	9	46	11	"	"	"	"	"	"	"	"					
M " "	45	13	10	10	45	13	"	"	"	"	"	"	"	"					
N " "																			
POOP OR R. Q. DE SIDES ...									Single	25	3/4	3/8	Double	3/4	25	9/4	7/16		
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING	Frame spaces																		

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c. Siemens Martin process.

Boarding, Agnes Revere bars.

Donnan, plc. 16 bars.

Keelsons, Keelson stringer plates, floor plates.

Plating, Keelson steel houses.

Frames, Keelson steel houses.

Rivets, Keelson steel houses.

Butts, Keelson steel houses.

Main Stringer Plate { Butts, treble riveted for half length amidship.
Straps, single, double or overlapped for whole length amidship.

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? Treble and double.

Centre Girder Butts, riveted. Keelsons Butts, Treble riveted.

Frames, riveted through Plates with 7/8 in. Rivets, about 6 1/2 apart.

Rivets, state whether of Iron or Steel Iron.

FRAMES extend in one length from Keel to Gunnwale.

REVERSED FRAMES on floors and frames extend from the middle line to Gunnwale and to Forecastle Deck alternately.

MASTS, &c.	MATERIAL.	Total Length.	DIAMETER AND THICKNESS AT—				No. of Plates in Round.	ANGLES.		RIVETING.		RIGGING.			
			Partners.	Heel.	Hounds.	Head.		No. per No.	Size.	Seams.	Butts.	MATERIAL.	SHROUDS.	STAITS.	
LOWER MASTS	Fore	29.9	20x8	20x8	20x8	20x8	3	3	4x3x8	Double	Half	Chain	2	4 1/2	
	Main	30.2	20x8	20x8	20x8	20x8	3	3	4x3x8	"	"	"	2	4 1/2	
	Mizen	25.6	20x8	20x8	20x8	20x8	3	3	4x3x8	"	"	"	2	4 1/2	
	Jigger	23.10	20x8	20x8	20x8	20x8	3	3	4x3x8	"	"	"	2	4 1/2	
BOWSPRIT	Fore	23.10	20x8	20x8	20x8	20x8	3	3	4x3x8	"	"	"	2	4 1/2	
TOPMASTS	Fore	6.16	21x6	19x5	16x5	16x5	2	3	3x3x6	Single	"	"	3	2 1/2	
	Main	52.6	18x5	16x5	14x5	14x5	2	3	3x3x6	"	"	"	3	2 1/2	

(Correspondence.—State dates and initials of letters respecting this case. (Reference should be made to any correspondence connected with the case).
 M. 70 28 June & 1st July, 1899.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed.*

Is the riveted work properly closed? *yes.*

Are the liners between the frames and plates solid single pieces? *yes.*

to plate, &c., conform well to each other? *yes.*

from the facing surfaces? *yes.*

Do the holes for riveting plate to frames, butt straps, or plate
 Are the rivet holes well and sufficiently countersunk in the plate and punched
 from the facing surfaces? *yes.*

Do any rivets break into or through the seams or butts of the plating? *A few.*

Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? *yes.*

General Remarks (State quality of workmanship, &c.)

This vessel has been built in accordance with the accompanying approved plans, as amended, and tracing of the midship section forwarded on the 29th January, for the preparation of the Certificate of Class, and otherwise in compliance with the Rules.

The quality of workmanship and material is good. The pumps are in efficient working order, and the gutterways have been tested by being flooded with water with satisfactory results.

Report on Forgings herewith.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40 ft., R. Q. D. or Break ft., Bridge Dk. ft., F'castle 28 ft.
(in feet and tenths). No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

1 DK (w/ SU - WS) 2 to B

Official No. 102658 ; Signal Letters

How are the surfaces preserved from oxidation? Inside Portland Cement & Paint Outside Paint
Cement supplied by the Bridge Cement Co. London and mixed with Holy Loch Sand?

Order for Special Survey No. <u>1680</u>	DAYS of Survey held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	<u>Brill under SS and Surveyed</u> <u>Date of First Survey Aug. 8th 1893</u> <u>to Last " Jan. 31st 1894</u> Total No. of Visits <u>47</u>
Date <u>7th June 1893</u>		2nd. On the plating during the process of riveting	
Order for Ordinary Survey No. _____		3rd. When the beams were in and fastened, and before the decks were laid	
Date _____		4th. When the ship was complete, and before the plating was finally coated or cemented ...	
No. <u>341</u> in builder's yard.		5th. After the ship was launched and equipped	

The amount of Entry Fee	£ 5- - -	Fees applied for,	30-1-1894
Special Survey Fee....	£ 78-15-	Received by me,	
Travelling Expenses, if any	£ : :		31-1-1894

Certificate to be sent to Quartermaster Office

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

100 A1 "Steel".
Without Freeboard

T. J. House
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Character assigned

FRI 2 FEB 1894

100A Steel

This Vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted she is eligible to be classed 100 A1 (Steel) as recommended.

The Surveyors are requested not to write on or below the Committee's Minutes.

$$a + c$$

1000 (K. S. L. - W. S.) 2 Ar

100 A1 ("Steel")
1 ME (post-W.S.) 25-B