

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

MON. 18 No. 11029

Port of Greenock Date of completion of Report 16<sup>th</sup> June 1894 Received at London Office  
Survey held at Greenock Date of First Survey Nov. 28<sup>th</sup> 1893 Last Survey 12<sup>th</sup> June 1894  
On the "King David" Rig ShipTONNAGE under  
Tonnage Deck } 2079.19Do. of Poop & Wings 89.51Do. of raised Or.  
Dk. or Break } 2240.03Do. of Bridge House 19.07Do. of Forecastle 52.37Do. of Houses on Deck 83.56Do. of excess of Hatchways 2156.4Gross Tonnage 2156.4Less Crew Space 88.68TONNAGE FOR FEES.. 2064.80Less Navigation spaces 2064.80Register Tonnage  
as cut on Beam... }ONE ~~TWO~~ DECKED VESSEL.CLASS 100A1

FEET.

Half Breadth (moulded)..... 20.84Depth from upper part of Keel to top of Upper Deck Beams 26.40Girth of Half Midship Frame (as per Rule)..... 43.101st Number..... 90.64Length..... 261.42nd Number..... 23428Proportions—Breadths to Length..... 6.24Depths to Length—Upper Deck to top of Keel..... 9.80Destined Voyage to de Janeiro viaMaster J. J. JonesYear of Appointment 1894Built at Port GlasgowWhen built 1894 Launched 12<sup>th</sup> MayBy whom built Russell & Co.Owners John A. Walker & Co.

Managers

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

Residence 134, St. Vincent St. Glasgow.Port belonging to Glasgow

If Surveyed while Building, Afloat, or in Dry Dock

Buildings Afloat.

LENGTH on deck as per rule.....	Feet. 261	Inches. 8 1/2	BREADTH— Moulded.....	Feet. 41	Inches. 9	DEPTH— Top of Floors to Upper Deck Beams..	Feet. 24	Inches. 5 1/2	No. of Decks with Flat laid No. of Tiers of Beams.....							
Dimensions of Ship per Register, Length, <u>261.4</u> breadth, <u>42.1</u> depth, <u>24.2</u> Moulded depth, ft. <u>25</u> in. <u>10</u> Round up of Beam <u>13</u> ins.																
FORGINGS <del>AND CHAMPIRES.</del>			Inches in Ship.		Inches per Rule. Or as Approved.		KEELSONS AND STRINGERS.			Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule. Or as Appro.	Inches per Rule. Or as Appro.	20ths per Rule ved.	
KEEL, Bar or Side Plates, depth and thickness			10 x 2 1/2		10 x 2 1/2		CENTRELINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			20		13		20		13
STEM, moulding and thickness.....			10 x 2 1/2		10 x 2 1/2		Rider Plate.....			12 1/2		13		12 1/2		13
STERN-POST, do. do. ....			10 x 2 1/2		10 x 2 1/2		Bulb Plate to Intercoastal Keelson .....									
MAIN-PIECE of RUDDER, diameter at head..			7		7		Horizontal Plates above floors .....			6		4		6		4
" " " at heel ..			3 1/2		3 1/2		Angles .....			6		4		6		4
RUDDER, how constructed <u>Iron frame and side plates</u>							SIDE KEELSON, Angles .....			6		4		6		4
Can the Rudder be unshipped afloat? <u>Yes.</u>							Bulb or Plate above floors for .....									
FRAMING.			Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule. Or as Appro.	Inches per Rule. Or as Appro.	20ths per Rule ved.	Intercoastal Plate <u>as per rule</u>			9		3 1/2		9
FRAME, Angles, <u>7</u> Bars, for 1/2 length amidships.....			5 1/2		3 1/2		8		Attached to outside Plating with Angle..			3 1/2		3 1/2		9
Do. for 1/2 at each end .....			5 1/2		3 1/2		4		BILGE KEELSON, Angle .....			6		4		9
Distance of Frames from moulding edge to moulding edge, all fore and aft .....			24		24				Bulb above floors for .....							
REVERSED FRAME, Angles.....			4		3 1/2		8		Intercoastal Plates for .....			13		10		13
DEEP FRAMING, depth of girder .....			4		3 1/2		8		Attached to outside Plating with Angle..			6		3 1/2		9
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships..			24		10		24		SIDE STRINGER, Angles .....			6		4		9
" thickness at the ends of vessel .....			9		8		9		Bulb Plate for .....							
" depth at 1/2 the half breadth, as per Rule ..			13 1/2		13 1/2				Intercoastal Plate for <u>whole</u> len.			13		10		13
" height extended at the Bilges .....			54		54				Attached to outside Plating with Angle			5 1/2		3 1/2		9
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb .....			10		6		10		UPPER SIDE STRINGER, Angles .....							
" Angles on Upper Edge .....			48		48				Bulb Plate for .....							
" Average space.....			11		6 1/2		10		Intercoastal Plate for .....			15		9		15
BEAMS, Lower Deck, Plate or Tee Bulb.....			11		6 1/2		10		Is the Stringer Plate attached to the Outside Plating?			Yes				
" Angles on Upper Edge .....			48		48				Angles on ditto, No. <u>2</u> .....			15		9		15
" Average space.....			48		48				Tie Plates, outside Hatchways .....			15		9		15
BEAMS, Hold, Plate or Tee Bulb .....			7		3		8		Diagonal Tie Plates, No. of Pcs. <u>(as per rule)</u>			3		11		3
" Angles on Upper Edge .....			48		48				Deck, Material & thickness .....			3		P.P.		P.P.
" Average space.....			48		48				Lower Deck Stringer Plate, breadth and thickness .....			39		9		39
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb .....			8		3 1/2		10		Is the Stringer Plate attached to the Outside Plating?			Yes				
" Angles on upper edge .....			48		48				Angles on ditto, No. <u>2</u> .....			15		9		15
" Average space.....			48		48				Tie Plates, outside Hatchways .....			15		9		15
BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb .....			8		3 1/2		10		Diagonal Tie Plates, No. of Pcs. <u>(as per rule)</u>			3		11		3
" Angles on Upper Edge .....			48		48				Deck, Material & thickness .....			3		P.P.		P.P.
" Average space.....			48		48				Hold Stringer Plate .....							
PILLARS, In 'tween Decks, Size and Spacing			2 1/2		48		2 1/2		Is the Stringer Plate attached to the Outside Plating?			Yes				
" " Hold " " .....			4		48		4		Angles on ditto, No. ....							
" " Quarter, 'tween Dks. " " .....									Poop Deck Stringer Plate, breadth & thickness			24		7		24
" " in Holds, " " .....									Angle on ditto .....			11 1/2		6		11 1/2
WEB FRAMES, Number and Spacing .....									Tie Plates .....			11 1/2		6		11 1/2
" " Breadth and thickness.....									Deck, Material and thickness .....			3		P.P.		P.P.
" " No. of Side Stringers, breadth & thickness									Bridge Deck Stringer Plate, breadth & thicknes							
" " Size of Angles or Tee Bars to Web Frames									Angle on ditto .....							
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness .....									Tie Plates .....			11 1/2		6		11 1/2
									Deck, Material and thickness .....			3		P.P.		P.P.
									Forecastle Deck Stringer Plate, b'dth & thkns			24		7		24
									Angle on ditto .....			11 1/2		6		11 1/2
									Tie Plates .....			11 1/2		6		11 1/2
									Deck, Material and thickness .....			3		P.P.		P.P.
									* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.							
									BULKHEADS.							
									Number.							
									In Vessel.							
									Per Rule.							
									Thickness.							
									16ths. or 20ths.							
									Horizontal.							
									Vertical.							
									Inches.							
									Spacing.							
									Single or Double Frames.							
									Height up.							
									W. T. BULKHEADS							
									PARTITION							
									Are the outside Plates doubled two spaces of Frames in length?			Yes				

PLATING.										RIVETING.											
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.						
STRAKES.	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	Diam. Rivets.	Spacing or to cr.	Diam. Rivets.	Spacing or to cr.	Breadth.	Thick-ness.	If Lapped.
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.									
KEEL (Riveting)																					
GARBOARD OF A Strake	45	12	11	11	45	12	11	11	45	12	11	11	Double	15	58	Double	15	33	16	15	
B "	54	11	10	9	54	11	10	9	54	11	10	9	"	"	"	"	"	"	9-15	whole	
C "	54	11	10	9	54	11	10	9	54	11	10	9	"	"	"	"	"	"	"	"	
D "	54	12	10	10	54	12	10	10	54	12	10	10	"	"	"	"	"	"	16	16	
E "	46	12	11	10	46	12	11	10	46	12	11	10	"	"	"	"	"	"	"	"	
F "	54	12	10	10	54	12	10	10	54	12	10	10	"	"	"	"	"	"	"	"	
G "	46	12	11	10	46	12	11	10	46	12	11	10	"	"	"	"	"	"	"	"	
H "	54	12	10	10	54	12	10	10	54	12	10	10	"	"	"	"	"	"	"	"	
J "	46	11	10	9	46	11	10	9	46	11	10	9	"	"	"	"	"	"	16	15	
K "	54	12	9	9	54	12	9	9	54	12	9	9	"	"	"	"	"	"	16	16	
L "	46	11	10	9	46	11	10	9	46	11	10	9	"	"	"	"	"	"	15	15	
M "	45	13	10	10	45	13	10	10	45	13	10	10	"	"	"	"	"	"	16	16	
N "	Buttressed	5/16			Buttressed	5/16			Buttressed	5/16			"	"	"	"	"	"	"	"	
POOP or R.Q.D. SIDES													Single	23	33	Double	33	23	7 1/2	7 1/2	
BRIDGE SIDES													"	"	"	"	"	"	"	"	
FORECASTLE SIDES													"	"	"	"	"	"	"	"	
LENGTHS OF PLATING	7	Frames	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.?  
*Sanmar Steel Co. Ltd. London, England. Manufactured by the Sanmar Steel Co. Ltd. London, England. Manufactured by the Sanmar Steel Co. Ltd. London, England.*

Butts, treble riveted for *half* length amidship.  
 Main Stringer Plate *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, *treble* riveted. Keelsons Butts, *treble* riveted.  
 Frames, riveted through Plates with *3/4* in. Rivets, about *6 1/2* apart.  
 Rivets, state whether of Iron or Steel. *Iron*

FRAMES extend in one length from *Keel* to *Gunwale*.  
 REVERSED FRAMES on floors and frames extend from *the middle line to Gunwale* and to *Forecastle deck* alternately.

MASTS AND SPARS.										RIGGING.									
MASTS, &c.	MATERIAL.	Total Length.	DIAMETER AND THICKNESS AT—				No. of Plates in Round.	ANGLES.		RIVETING.		MATERIAL.	SHROUDS.		STAYS.				
			Partners.	Heel.	Hounds.	Head.		No.	Size.	No.	Size.		No.	Size.	No.	Size.			
LOWER MASTS	Fore	Steel 89.9	24x9	22x8	20x7	21x7	3	3	4x3x8	Double	Keelsons	Galv.	6	4 1/2	2	4 1/2			
	Main	" 91.0	30x9	28x8	25x8	21x7	3	3	4x3x9	"	"	"	5	4 1/2	2	4 1/2			
	Mizen	" 85.6	28x9	22x8	23x7	18x7	3	3	3x3x8	"	"	"	"	"	"	"			
BOWSPRIT	Fore	Steel 28.10	28x9	23x8	19x7	8x5	3	4	3x3x7	"	"	Chain	2	1 1/2					
TOPMASTS	Fore	" 61.6	21x7	19x6	16x5	2	3	3x3x6	Single	"	Galv.	3	2 1/2	2	4 1/2				
	Mizen	" 52.6	18x7	16x6	14x5	2	3	"	"	"	"	3	1 1/2	2	4 1/2				
	Jigger	"	"	"	"	"	"	"	"	"	"	"	"	"	"				
YARDS.	Fore	" 84.0	At Centre	20x5	At Ends	20x5	2	1 1/2	Single	Double	Keelsons	Galv.	6	4 1/2	2	4 1/2			
LOWER YARDS	Crossjack	" 41.0	"	14x6	"	8x3	2	"	"	"	"	"	"	"	"				
	Jigger	"	"	"	"	"	"	"	"	"	"	"	"	"	"				
SPRITS	Fore	" 48.0	"	14x4	"	8x3	2	"	"	"	"	"	"	"	"				
	Main	" 43.0	"	18x6	"	9x3	2	"	"	"	"	"	"	"	"				
	Mizen	" 42.0	"	15x5	"	7x3	2	"	"	"	"	"	"	"	"				
TOPMAST	Fore	" 59.0	"	14x5	"	4x3	2	"	"	"	"	"	"	"	"				
	Main	" 59.0	"	14x5	"	4x3	2	"	"	"	"	"	"	"	"				
	Mizen	" 54.6	"	13x5	"	6x3	2	"	"	"	"	"	"	"	"				
	Jigger	" 43.10	"	10x5	"	5x3	2	"	"	"	"	"	"	"	"				
	Upper	" 38.6	"	9x5	"	4x3	2	"	"	"	"	"	"	"	"				
Remainder of Spars	Wood																		

QUALITY *Good. Waters*  
*R. & W. Wallingford, Eng.*  
*Certificates herewith.*

SAILS.  
*One* Suit of Sails, and the following Spare Sails. *(4 in all)*

EQUIPMENT No. 25310 LETTER 20										ANCHORS.										TONNAGE FOR TRAWLERS										U.D.K.									
Number of Certificate.	Anchors.	WEIGHT, EX-STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT, EX-STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT, EX-STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT, EX-STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.															
		Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.	Cwts.	lbs.																
3267	1st Bower	40	10	10	10	36	0	2	40	0	0	40	0	0	40	0	0	40	0	0	40	0	0	40	0	0													
3268	2nd "	34	2	6	9	1	20	34	2	2	0	40	0	0	40	0	0	40	0	0	40	0	0	40	0	0													
3269	3rd "	36	1	10	9	0	0	33	7	0	21	34	0	0	40	0	0	40	0	0	40	0	0	40	0	0													
	Collective weight	114	0	26				114	0	0																													
3270	Stream	12	0	0	3	0	0	13	14	2	0	12	0	0	40	0	0	40	0	0	40	0	0	40	0	0													
3271	Kedge	6	0	0	1	2	0	8	5	0	0	6	0	0	40	0	0	40	0	0	40	0	0	40	0	0													
	2nd Kedge																																						

CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Rule.					
				Supplied.	Per Rule.														
1843, 1844	240	2 1/2	107.5	575.3	379.2	240 x 2 1/2	Steel	Taylor & Co. Ltd. London	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Rule.					
1845	100	1 1/2	34.5	66.2	22.4	100 x 1 1/2	Steel	Taylor & Co. Ltd. London	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Rule.					

Boats *2-25 ft. Off Board, 1-22 ft. Cutter, 1-20 ft. Pinnace.*  
 Pumps, Number *One pair with patent Mammotie Foot, Diameter of Barrel and Tail Pipe 6" Barrels-33" Mammotie 3" Ritz Tail Pipe*  
 Windlass is *Iron, Clarke, Chapman's (the patent) and Capstan Good*  
 Number of Scuppers, and number and dimensions of Freeing Ports *Two scuppers and one freeing port 24" x 22" x 3 1/2" 25" x 8" x 2 1/2"*  
 Ceiling in Holds, thickness and material *2 1/2" Siten, Iron*  
 Cargo Hatchways.—How formed? *Deep plates forming Coaming and Ceiling, 2 1/2" Siten, Iron*  
 State size No. 1 Hatch (Forward) *12' 0" x 8' 0" 10' 0" x 8' 0"* No. 2 Hatch *15' 0" x 9' 0" 11' 0" x 9' 0"* No. 3 Hatch *11' 0" x 9' 0"*  
 Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *One Web plate and three fore and afters to No. 2 Hatch, and No. 3 Hatch; and One fore and after to No. 1 Hatch.*  
 No. of Breasthooks *5 and deep floor* No. of Crutches *5 and deep floor*  
 Bulwarks, height above deck and description *Height 5' 1" Steel plating. Main Rail, material and size 2 1/2" x 3" Topgallant Rail 2 1/2" x 3"*  
 The above is a correct description of the vessel.  
 Builder's Signature (here only) *J. J. House* Surveyor's Signature *J. J. House*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)  
*18th November, 1893*

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* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying 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 plans approved for the sister vessel (No. 341), and tracing of midship section forwarded on the 15th June for the preparation of the Certificate of Class, and otherwise as required by 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.*

*This is a Sister Vessel to the "King George" Exr Report No. 10915.*

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 Beam *28* ft. Bridge Dk. *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 (Pl. Sk. - 7 1/2) 2 B.*

Official No. *102699*; Signal Letters  
 How are the surfaces preserved from oxidation? Inside *Portland Cement & Paints* Outside *Paints*  
*(Cement supplied by the Rango Cement Co. London, and mixed with dry sand)*

Order for Special Survey No. *702*  
 Date *31st Oct. 1893*  
 Order for Ordinary Survey No.  
 Date  
 No. *359* in builder's yard.

1st. On the several parts of the frame, when in place, and before the plating was wrought  
 2nd. On the plating during the process of riveting  
 3rd. When the beams were in and fastened, and before the decks were laid  
 4th. When the ship was complete, and before the plating was finally coated or cemented  
 5th. After the ship was launched and equipped

DATE OF SURVEY held while building as per Section 18.  
*Built under 55 and Surveyed 1893*  
*Date of First Survey Nov. 28 1893*  
*Last June 12 1894*  
 Total No. of Visits *4 1/2*

The amount of Entry Fee ..... £ *5* : *15* : *6* 1894  
 Special Survey Fee, ... £ *78* : *18* : *0*  
 Travelling Expenses, if any £ *18* : *6* : *0* 1894

I am of opinion this Vessel should be Classed *100A1 "Steel"*  
 With, or without Freeboard, as condition of Class *Without Freeboard*

Committee's Minute *TUES. 19 JUN 1894*  
 Character assigned *100A1 Steel*  
*2nd Kedge 1 Dk (Pl. Sk. - 7 1/2) 2 B*  
*100A.1 ("Steel")*  
*1 Dk (Pl. Sk. - 7 1/2) 2 B.*  
*Cem.*

*J. J. House*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

*J. J. House*  
 18/6/94

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