

Sailing Vessel.

IRON OR STEEL SAILING SHIP.

(Received at London Office

Th. RS. 5 OCT 1891

Date of completion of Report 14th Oct. 1891 Port of Glasgow
No. 11014 Survey held at Glasgow Date of First Survey 13th May Last Survey 10th Oct. 1891
In the "Urania" Rig Barque - 3 masts.NAGE under 1568.59
Tonnage Deck..

ONE OR TWO DECKED VESSEL.

Master H. H. Jensen

Do. of Poop 83.88

CLASS 100A

Year of Appointment (1) As master in service of
(2) As master of this vessel 1891Do. of main On
Driven Break

Built at Glasgow

Do. of Bridge House

When built 1891 Launched 21st Sept.

Do. of Houses on Deck 31.23

By whom built St. Stephen & Sons

Do. of covers of Hatchways

Owners Selby & Rassen

Do of Forecastle 4.84

Gross Tonnage 1688.54

Length 242.75

Managers

Less Crew Space 37.79

2nd Number 20145

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

TONNAGE FOR FEES.. 1650.75

Proportions—Breathths to Length 6.25

Residence Arendal, Norway

Less Navigation spaces 23.39

Depths to Length—Upper Deck to top of Keel 9.9

Port belonging to Arendal.

Register Tonnage 1627.36

Destined Voyage San Francisco

If Surveyed while Building, Afloat, or in Dry Dock

NGTH on deck 242.9 Feet. Inches. BREADTH— 38.10 Feet. Inches. DEPTH— 22.52 Feet. Inches. No. of Decks with Flat laid 2. No. of Tiers of Beams 2.

Dimensions of Ship per Register, Length 255.0 breadth 39.1 depth 22.3. Moulded depth, ft. 23 in. 8. Round up of Beam 10 ins.

FORGINGS AND CASTINGS.

KEEL, Bar or Plate, depth and thickness 9 1/2 x 2 1/2 9 1/2 x 2 1/2
STEM, moulding and thickness 9 x 2 1/2 9 x 2 1/2
STERN-POST, do. do. 7 1/2 x 3 7 1/2 x 3
MAIN-PIECE OF RUDDER, diameter at head 6 3/4 6 3/4
at heel 3 1/2 3 1/2
RUDDER, how constructed Framed and plated.
Can the Rudder be unshipped afloat? Yes

FRAMING.

FRAME, Angles, 7 Bars, for 2 length amids. 5 3 1/2 8 5 3 1/2 8
Do. for 1/2 at each end 5 3 1/2 7 5 3 1/2 7
Do. in way of Double Bottoms 24 24
Distance of Frames from moulding edge to moulding edge, all fore and aft 3 1/2 3 1/2 8 3 1/2 3 1/2 8
EVERSED FRAME, Angles 24 10 24 10
LOORS, depth and thickness of Floor Plate at mid line for 2 length amidships 8 8
thickness at the ends of vessel 12 12
depth at 1/2 the half breadth, as per Rule 49 49
height extended at the Bilges 49 49

FLOORS & BRACKETS, in Cell Double Bottoms

distance apart

CENTRE GIRDER, in Dbl. Bot., depth & thickness

Angles, Top Bottom

SIDE GIRDERS, number and thickness

Angles

ROBIN PLATE, depth (exclusive of flange and thickness)

Angles

HATCH BOTTOM PLATING, depth & thickness

Middle Line Strakes

Remainder

BEAMS, Main Deck, Single Angle, Bulb Angle

Plate or Tee Bulb

Angles on Upper Edge 3 1/2 3 7 3 1/2 3 7

Average space 48 48

BEAMS, Lower Deck, Plate or Tee Bulb

Angles on Upper Edge 3 1/2 3 7 3 1/2 3 7

Average space 48 48

BEAMS, Hold, Plate or Tee Bulb

Angles on Upper Edge 7 3 10 7 3 10

Average space 48 48

BEAMS, Poop or Bridge Deck, Single Angle, Bulb

Angle, Plate or Tee Bulb

Angles on Upper Edge 8 8 7 8 7

Average space 3 3 6 3 3 6

BEAMS, Forecastle Deck, Single Angle, Bulb

Angle, Plate or Tee Bulb

Angles on Upper Edge 3 3 6 3 3 6

Average space 48 48

PILLARS, In 'tween Decks, at Centre line, Size

Spacing 24 48 24 48

Quarters, Size

Spacing 4 48 4 48

In Holds, at Centre line, Size

Spacing 4 48 4 48

Quarters, Size

Spacing 4 48 4 48

WEB FRAMES, Breadth and thickness

Number and Spacing

Number of Side Stringers, breadth and thickness

One of Angles at Tee Bars to Web Frames

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate 19 13 19 13
Rider Plate 12 13 12 13
Bulb Plate to Intercoastal Keelson
Horizontal Plates above floors
Angles 5 1/2 4 9 5 1/2 4 9

SIDE KEELSON, Angles 5 1/2 4 9 5 1/2 4 9
Bulb Plate for length
Intercoastal Plate for 16 ft. length
Attached to outside Plating with Angle 3 1/2 3 1/2 7 3 1/2 3 1/2 7

BILGE KEELSON, Angle 5 1/2 4 9 5 1/2 4 9
Bulb Plate for length
Intercoastal Plate for length
Attached to outside Plating with Angle 5 1/2 4 9 5 1/2 4 9

BILGE STRINGER, Angles 5 1/2 4 9 5 1/2 4 9
Bulb Plate for whole length 9 1/2 9 9 1/2 9
Intercoastal Plate for length
Attached to outside Plating with Angle 5 1/2 4 9 5 1/2 4 9

SIDE STRINGER, Angles 5 1/2 4 9 5 1/2 4 9
Bulb Plate for whole length 9 1/2 9 9 1/2 9
Intercoastal Plate for length
Attached to outside Plating with Angle 5 1/2 4 9 5 1/2 4 9

Main Deck Stringer Plate, on end of Beams, breadth and thickness 50 10 50 10
Angle on ditto 5 1/2 4 9 5 1/2 4 9
Tie Plates fore and aft, outside Hatchways 14 10 14 10

Diagonal Tie Plates on Bms., No. of Prs. 5 14 10 14 10
Flat of Deck*, material and thickness 4 p. pin 4
Is iron or Steel Deck, state if whole or part, and if round deck is laid thereon.

How fastened to Beams Bolted.
Lower Deck Stringer Plate, on ends of Beams, breadth and thickness 35 9 35 9
Is the Stringer Plate attached to the Outside Plating? Yes 4 1/2 9 4 1/2 9

Angles on ditto, No. 2 4 1/2 9 4 1/2 9
Tie Plates, outside Hatchways 14 9 14 9
Diagonal Tie Plates on Bms., No. of prs. 3 10 pin at sides only
Flat of Deck, material and thickness 3 10 pin at sides only
How fastened to Beams Bolted.

Hold Stringer Plate, on end of Beams 14 9 14 9
Is the Stringer Plate attached to the Outside Plating? Yes 4 1/2 9 4 1/2 9
Angles on ditto, No. 2 4 1/2 9 4 1/2 9
Tie Plates, outside Hatchways 14 9 14 9
Flat of Deck, material and thickness 3 p. pin 3

Poop or Bridge Deck Stringer Plate, breadth and thickness 24 6 24 6
Angle 3 1/2 3 7 3 1/2 3 7
Tie Plates on Beams 12 6 12 6
Flat of Deck, material and thickness 3 p. pin 3

Forecastle Deck Stringer Plate, b'dth & thkns 24 6 24 6
Angle 3 1/2 3 7 3 1/2 3 7
Tie Plates on Beams 12 6 12 6
Flat of Deck, material and thickness 3 p. pin 3

PLATING.

FLAT PLATE KEEL, breadth and thickness 42 12 42 12
PLATES in Garboard Strakes, br'dth & thickn's 42 12 42 12
from Garboard to lower part of Bilges 10 1/2 11 10 1/2 11

Bilges, number of Strakes, and thickness 3 Strakes 1 3 Strakes 1
of doubling at Bilge, increased thickness, and length applied whole length 10 1/2 11 10 1/2 11
from up. part of Bilge to edge of Strake 10 1/2 11 10 1/2 11
Strake in way of Lower Deck Beams 11 11

Sheerstrake, breadth and thickness 44 13 44 13
Poop or Bridge Sides 7 7
Forecastle Sides 7 7
Lengths of Plating 192 144

11014 Gb

Ceiling betwixt Decks, thickness and material *2 1/2 in pine*
in hold do. do. *2 1/2 in pine*
Number of Breasthooks *Four*
Crutches *Four*

BULKHEADS. No. in Vessel *1*
W. T. BULKHEADS. *1*
PARTITIONS *1*
LONGITUDINAL *1*

Reqd. by Rule *1*
Height up *1*
Sngl or Dbl. Frames *Double*

The FRAMES extend in one length from *heel* to *main deck*
The REVERSED ANGLES on floors and frames extend from *main line to main deck* and to *green st* alternately.

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.
Garboard, double riveted to Bar Keel or Flat Plate, with rivets *1 1/8* in. diameter, averaging *5 5/8* ins. from centre to centre.
Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets *3/4* in. diameter, averaging *3 3/4* ins. from centre to centre.
Butts from Keel to turn of Bilge, worked carvel, treble or double riveted; treble for *half* length; with rivets *3/4* in. dia., averaging *3 3/4* ins. from cr. to cr.
Butts of *all* Strakes *at Bilge* for *half* length, treble riveted with Butt Straps *3/4* in. dia., thicker than the plates they connect.
Edges from Bilge to Sheerstrake, worked clencher, double or single riveted; with rivets *3/4* in. diameter, averaging *3 3/4* ins. from centre to centre.
Butts from Bilge to Sheerstrake, worked carvel, treble or double riveted; treble for *half* length; with rivets *3/4* in. dia., averaging *3 3/4* ins. from cr. to cr.
Edges of Sheerstrake, *Double* riveted.
Butts of Sheerstrake, treble riveted for *half* length amidships.
Butts of Main Stringer Plate, treble riveted for *half* length amidships.
Butts of Inner Bottom Plating, *Double* riveted for *half* length amidships.
Butts of Centre Batten, *Double* riveted for *half* length amidships.
Breadth of edge laps of Shell Plating in double riveting *5 1/2* in. *16 3/4* in. *20 1/2* in.
Butt Straps of Shell Plating, breadth and thickness *16 3/4* in. *9 3/4* in. *20 1/2* in.
Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? *Treble and Double*
Manufacturer's name or trade mark of the *Steel* (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c. *Dalzell, Parkhead; Clydebridge; Consett; and Mowand. Siemens process.*
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*
plate, &c., conform well to each other? *Yes*
from the facing surfaces? *Yes*
Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? *Yes*
Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., are the rivet holes well and sufficiently countersunk in the plate and punched
Do any rivets break into or through the seams or butts of the plating? *A few in the butts.*

MASTS AND SPARS.												
		Material.	Total length.	DIAMETER AND THICKNESS.				Number of Plates in Round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS. <i>and</i> <i>Spmasts in one</i>	Fore	Steel	87-3	29. $\frac{11}{16}$	22 $\frac{1}{2}$. $\frac{5}{16}$	22. $\frac{5}{16}$	19 $\frac{1}{2}$. $\frac{5}{16}$	3	✓	✓	Double	Treble
	Main	"	89-6	29. $\frac{11}{16}$	22 $\frac{1}{2}$. $\frac{5}{16}$	26. $\frac{5}{16}$	19 $\frac{1}{2}$. $\frac{5}{16}$	3	✓	✓	"	"
	Mizen	"	89-11	24. $\frac{3}{4}$	19. $\frac{5}{16}$	20. $\frac{1}{2}$	16. $\frac{5}{16}$	2	✓	✓	"	"
	Jigger	"	Red to Cap	Red			Cap					
BOWSPRIT		"	24-6	29. $\frac{11}{16}$	24. $\frac{11}{16}$		22 $\frac{1}{2}$. $\frac{5}{16}$	2	4	4 \times 3 $\frac{1}{2}$ \times 9 $\frac{1}{2}$		
TOPMASTS	Fore	"	56-0		24. $\frac{9}{16}$		15. $\frac{5}{16}$	3	✓	✓		
	Main	"	56-0		24. $\frac{9}{16}$		15. $\frac{5}{16}$	3	✓	✓		
	Mizen	"	43-0		20. $\frac{5}{16}$		12. $\frac{5}{16}$	2	✓	✓		
	Jigger	"										
YARDS	Fore	"	85-0	At Centre	21. $\frac{5}{16}$	At Ends	10 $\frac{1}{2}$. $\frac{5}{16}$	2	✓	✓	Single	
	Main	"	85-0	"	21. $\frac{9}{16}$	"	10 $\frac{1}{2}$. $\frac{5}{16}$	2	✓	✓		
	Crossjack	"		"		"						
	Jigger	"		"		"						
FORE TOPMILL YARDS	Lower	"	76-6	"	19. $\frac{5}{16}$	"	9 $\frac{1}{2}$. $\frac{5}{16}$	2	✓	✓	"	
	Upper	"	67-6	"	17. $\frac{5}{16}$	"	8 $\frac{1}{2}$. $\frac{5}{16}$	2	✓	✓	"	
	Lower	"	76-6	"	19. $\frac{5}{16}$	"	9 $\frac{1}{2}$. $\frac{5}{16}$	2	✓	✓	"	
	Upper	"	67-6	"	17. $\frac{5}{16}$	"	8 $\frac{1}{2}$. $\frac{5}{16}$	2	✓	✓	"	
MAIN	Lower	✓		"		"						
	Upper	✓		"		"						
	Lower	✓		"		"						
	Upper	✓		"		"						
MIZEN	Lower	✓		"		"						
	Upper	✓		"		"						
	Lower	✓		"		"						
	Upper	✓		"		"						
JIGGER	Lower	✓		"		"						
	Upper	✓		"		"						
	Lower	✓		"		"						
	Upper	✓		"		"						

Remainder of Spars *Steel and pine*
Rigging. Material and Size, Shrouds *Steel wire Fore and main 4 1/2 in. 4 1/2 in. 4 1/2 in.* Stays *Fore and main 4 1/2 in. 4 1/2 in. 4 1/2 in.* Quality *Guaranteed.*
Sails. *Sw* Suit of Sails, and the following *Sw*

EQUIPMENT No. 21488 LETTER <i>t</i>		ANCHORS.	
Number of Certificate.	Weight, Ex. Stock	Weight, Ex. Stock	Weight, Ex. Stock
2475	1st Bower	34 3 10	8 2 2
2476	2nd "	34 0 20	8 2 0
2477	3rd "	29 0 20	7 1 22
2478	4th "	29 0 20	7 1 14
2479	Collective weight	98 0 22	97 0 0
2480	Stream	10 2 18	2 3 2
2481	Kedge	5 3 16	1 2 16
2482	2nd Kedge	2 3 8	0 3 14

CHAIN CABLES.		HAWSERS AND WARPS	
Number of Certificate.	Fathoms	Size.	Test per Certificate.
1453	135 1/2	1 1/2	88 1/2
1454	135 1/2	1 1/2	88 1/2
1455	75	1	27 1/2
1456	80	3 1/2	26

Boats *2 life boats and 2 others.*
Pumps, Number *4 in hold and 1 in fore peak.* Diameter of Barrel and Tail Pipe *In hold 6 1/2 in. In fore peak 4 1/2 in.*
Windlass *Amerson, Walker, & Thompson Pat.* Capstan *Wood.*
Number of Scuppers, and number and dimensions of *Draining Ports* *On each side 5 scuppers, 6 ports 36 x 24, and 3 mowing pipes.*
Cargo Hatchways. How formed? *Of plates and angles.* Hatches, If strong and efficient? *Solid 2 1/2 in.*
State size No. 1 Hatch (Forward) *8-0 x 7-1 x 25.* No. 2 Hatch *20-0 x 12-0 x 19.* No. 3 Hatch *8-0 x 7-1 x 19.*
Number of Web Plates, Shifting Beams, and Fore and Afters to each hatch *In No. 1 & 3 hatches 1 fore & after. In No. 2 one deep web plate and 3 fore & afters.*
Bulwarks, Height above deck and description *4-9 Steel plating to Main Rail, material and size *Chambers 9 x 3 1/2* Topgallant Rail *2 1/2 in. 3 x 1/2**
The above is a correct description.
Builder's Signature (here only) *Alex Stephen & Sons* Surveyor's Signature *J. Thomson*
Surveyor to Lloyd's Register of British and Foreign Shipping.

Order for Special Survey No. 2483

Date 29th April 1891

Order for Ordinary Survey No. /

Date /

No. 335 in builder's yard.

DATES OF SURVEYS held while building as per Section 18.

- 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

1891: May 13, 15, 19, 25, 28. June 2, 5, 12. 17, 18, 22, 25, 30. July 2, 7, 10, 14, 29, 31. Aug. 4, 7, 11, 14, 19, 24, 28. Sept. 1, 10, 15, 29. Oct. 9, 12, 14.

Total No. of Visits 33.

State dates and initials of letters respecting this case 6th April, 4th, 16th, and 23rd May 1891. M.

General Remarks (State quality of workmanship, &c.) The workmanship throughout is of the best quality. This vessel is built of steel in accordance with midship section forwarded to London on the 12th Oct. 1891, the accompanying tracings (3 in 8th), the Secretary's letters referred to above, and in general conformity with the Rules for the Class contemplated.

MASTS AND SPARS

PARTICULARS FOR RECORD IN THE REGISTER BOOK.

Length of Poop 36 ft., R.Q.D. or Break / ft., Bridge Dk. / ft., Forecastle 27 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) One deck, two tiers of Beams.
Official No. / Signal Letters /

PARTICULARS OF WATER BALLAST.

Double bottom, aft, length / and water capacity in tons / Double bottom, amidships, length / and water capacity in tons /
Double bottom, forward, length / and water capacity in tons /
Double bottom, constructed on the cellular system, length / and water capacity in tons /
Fore peak tank, water capacity in tons / After peak tank, water capacity in tons /
Midship deep tank, length / and water capacity in tons / Other tanks, if fitted, length / and water capacity in tons /
The above have / been tested as required by the Rules.
(If necessary, furnish further information by sketch.)
How are the surfaces preserved from oxidation? Inside By cement and paint Outside By paint.

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated 9th Oct. 1891

4 ft. 9 1/2 ins. In Salt Water
4 ft. 5 ins. In Fresh Water
5 ft. 2 ins. In Winter, in North Atlantic

The amount of Entry Fee £ 66 : 5 : 6 is received by me, 15/10/91
Special £ 66 : 5 : 6
Certificate* £ /
Travelling Expenses, if any £ /

I am of opinion this Vessel should be Classed

100 A 1 (Steel)

J. Thomson
Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

Fri. 16 OCT 1891

Character assigned 100 A 1 Steel
La up

100 A 1 Steel

This Submitted that this vessel appears eligible to be classed 100 A 1 (Steel), as recommended. 1 DK. 2 tiers Beams.



GLS163-0146(2/2)