

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO § 240.13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED
PURSUANT TO § 240.13d-2.

(Amendment No. 1)*

Marshall Edwards, Inc.

(Name of Issuer)

Common Stock, \$0.0000002 par value per share

(Title of Class of Securities)

572322402

(CUSIP Number)

December 31, 2011

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(1) Names of Reporting Persons
Capital Ventures International

(2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

(3) SEC Use Only

(4) Citizenship or Place of Organization
Cayman Islands

Number of Shares Beneficially Owned by Each (5) Sole Voting Power
0

| | | |
|-----------------------|---|--|
| Reporting Person With | (6) | Shared Voting Power ** 1,475,666 |
| | (7) | Sole Dispositive Power 0 |
| | (8) | Shared Dispositive Power ** 1,475,666 |
| (9) | Aggregate Amount Beneficially Owned by Each Reporting Person 1,475,666 | |
| (10) | Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="radio"/> | |
| (11) | Percent of Class Represented by Amount in Row (9) 9.9% | |
| (12) | Type of Reporting Person (See Instructions) CO | |

** Heights Capital Management, Inc. is the investment manager to Capital Ventures International and as such may exercise voting and dispositive power over these shares.

CUSIP No. 572322402

| | | |
|---|---|--|
| (1) | Names of Reporting Persons Heights Capital Management, Inc. | |
| (2) | Check the Appropriate Box if a Member of a Group (See Instructions) | |
| (a) | <input type="radio"/> | |
| (b) | <input type="radio"/> | |
| (3) | SEC Use Only | |
| (4) | Citizenship or Place of Organization Delaware | |
| | (5) | Sole Voting Power 0 |
| Number of Shares Beneficially Owned by Each Reporting Person With | (6) | Shared Voting Power ** 1,475,666 |
| | (7) | Sole Dispositive Power 0 |
| | (8) | Shared Dispositive Power ** 1,475,666 |
| (9) | Aggregate Amount Beneficially Owned by Each Reporting Person 1,475,666 | |
| (10) | Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="radio"/> | |

(11) Percent of Class Represented by Amount in Row (9)
9.9%

(12) Type of Reporting Person (See Instructions)
CO

** Heights Capital Management, Inc. is the investment manager to Capital Ventures International and as such may exercise voting and dispositive power over these shares.

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Item 1.

- (a) Name of Issuer
Marshall Edwards, Inc.
-
- (b) Address of Issuer's Principal Executive Offices
11975 El Camino Real, Suite 101, San Diego, CA 92130
-

Item 2(a).

Name of Person Filing
This statement is filed by the entities listed below, who are collectively referred to herein as "Reporting Persons," with respect to the shares of Common Stock of the Company, \$0.00000002 par value per share (the "Shares").

- (i) Capital Ventures International
- (ii) Heights Capital Management, Inc.
-

Item 2(b).

Address of Principal Business Office or, if none, Residence
The address of the principal business office of Capital Ventures International is:

One Capitol Place
P.O Box 1787 GT
Grand Cayman, Cayman Islands
British West Indies

The address of the principal business office of Heights Capital Management, Inc. is:

101 California Street, Suite 3250
San Francisco, California 94111

Item 2(c).

Citizenship
Citizenship is set forth in Row 4 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.

Item 2(d)

Title of Class of Securities
Common Stock, \$0.00000002 par value per share

Item 2(e)

CUSIP Number
572322402

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

- (i) o A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) o A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J);
- (k) o Group, in accordance with Rule 13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution: _____

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Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

The information required by Items 4(a) — (c) is set forth in Rows 5 — 11 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person.

The number of Shares reported as beneficially owned consists of (i) 1,250,129 Shares, and (ii) 211,902 Shares issuable upon exercise of warrants to purchase Shares (the “Warrants”). The Warrants are not exercisable to the extent that the total number of Shares then beneficially owned by a Reporting Person and its Affiliates and any other Persons whose beneficial ownership of Shares would be aggregated with such Reporting Person for purposes of Section 13(d) of the Exchange Act, would exceed 9.99%.

As reported in the Company’s Quarterly Report on Form 10-Q for the quarterly period ending September 30, 2011, there were 11,814,025 Shares outstanding as of November 11, 2011 and pursuant to a Current Report on Form 8-K the Company indicated that an additional 2,609,019 Shares were issued on December 28, 2011.

Heights Capital Management, Inc., which serves as the investment manager to Capital Ventures International, may be deemed to be the beneficial owner of all Shares owned by Capital Ventures International. Each of the Reporting Persons hereby disclaims any beneficial ownership of any such Shares, except for their pecuniary interest therein.

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: o

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person

Not applicable.

Item 8. Identification and Classification of Members of the Group

Not Applicable

Item 9. Notice of Dissolution of Group

Not applicable.

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Item 10. Certification

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURES

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information with respect to it set forth in this statement is true, complete, and correct.

Dated: February 14, 2012

CAPITAL VENTURES INTERNATIONAL

HEIGHTS CAPITAL
MANAGEMENT, INC.

By: Heights Capital Management, Inc. pursuant to a Limited Power of Attorney

By: /s/ Brian Sopinsky
Name: Brian Sopinsky
Title Secretary

By: /s/ Brian Sopinsky

Name: Brian Sopinsky
Title Secretary

The Limited Power of Attorney executed by Capital Ventures International, authorizing Heights Capital Management, Inc. to sign and file this Amendment No. 1 to Schedule 13G on its behalf, is filed as Exhibit I to this Amendment No. 1 to Schedule 13G and is incorporated herein by reference.

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CUSIP No. 572322402

EXHIBIT INDEX

| <u>EXHIBIT</u> | <u>DESCRIPTION</u> |
|----------------|---------------------------|
| I | Limited Power of Attorney |
| II | Joint Filing Agreement |

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CUSIP No. 572322402

Exhibit I

LIMITED POWER OF ATTORNEY

THIS LIMITED POWER OF ATTORNEY given on the 3rd day of April, 1999 by Capital Ventures International (hereinafter called "the Company"), whose Registered Office is situated at Second Floor, One Capital Place, P.O. Box 1781, Grand Cayman Islands, B.W.I.

WHEREAS, by agreement dated March 10, 1997, by and between the Company and Heights Capital Management, the Company expressly authorized Heights Capital Management to enter into transactions in certain designated areas as defined in the Agreement attached hereto marked "Appendix 1."

NOW THIS DEED WITNESSETH that Ian A.N. Wight (Director) and Woodburne Associates (Cayman) Limited (Secretary) of the Company, hereby appoint on behalf of the Company the firm of HEIGHTS CAPITAL MANAGEMENT which through its officers, directors and employees is hereby formally granted limited power of attorney for the purpose of entering into transactions on behalf of and for the account of the Company and to take any actions on behalf of the Company as may be necessary to consummate such transactions, including but not limited to instructing the transfer of funds where necessary and executing required documentation.

IN WITNESS WHEREOF, the Company has caused its common seal to be hereunto affixed the day and year above written.

THE COMMON SEAL OF
CAPITAL VENTURES INTERNATIONAL
was hereunto affixed in the presence of:

/s/ Ian A.N. Wight
Ian A.N. Wight
(Director)

/s/ Woodburne Associates
Woodburne Associates
(Cayman) Limited
Secretary

CUSIP No. 572322402

EXHIBIT II

JOINT FILING AGREEMENT

This will confirm the agreement by and among the undersigned that the Schedule 13G filed with the Securities and Exchange Commission on or about the date hereof with respect to the beneficial ownership by the undersigned of the shares of Common Stock of Marshall Edwards, Inc., \$0.00000002 par value per share, is being filed, and all amendments thereto will be filed, on behalf of each of the persons and entities named below in accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Dated as of August 4, 2011

CAPITAL VENTURES INTERNATIONAL

HEIGHTS CAPITAL
MANAGEMENT, INC.

By: Heights Capital Management, Inc. pursuant to a Limited Power of Attorney

By: /s/ Brian Sopinsky
Name: Brian Sopinsky
Title Secretary

By: /s/ Brian Sopinsky

Name: Brian Sopinsky
Title Secretary
