

GRAINGER W W INC
Form 5
February 13, 2013

FORM 5

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL
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Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *
SLAVIK JAMES D

(Last) (First) (Middle)

2. Issuer Name and Ticker or Trading Symbol
GRAINGER W W INC [GWW]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

100 GRAINGER PARKWAY

(Street)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
12/31/2012

Director 10% Owner
 Officer (give title below) Other (specify below)

LAKE FOREST, IL 60045-5201

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Reporting

(check applicable line)

Form Filed by One Reporting Person
 Form Filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	(A) or (D)	Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock							828,194	D	
Common Stock							68,847	I	See Footnote (2)
Common Stock							1,039,490	I	See Footnote (3)
Common Stock	09/11/2012		G	0	(1)	D	\$ (1) 1,635,760	I	See Footnote

Common Stock	^	^	^	^	^	^	87,306	I	(4) See Footnote (5)
Common Stock	^	^	^	^	^	^	255,686	I	See Footnote (6)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 3)
Stock Units	^	^	^	^	(A) (D)	Date Exercisable (8) Expiration Date (8)	Title Common Stock	Amount or Number of Shares 15,382

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SLAVIK JAMES D 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	^ X	^	^	^

Signatures

David L. Rawlinson, as attorney-in-fact 02/13/2013

__Signature of Reporting Person Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

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- (1) On September 11, 2012, Mr. Slavik disposed of by gift shares constituting approximately 3.33% of a corporation that owns shares of W.W. Grainger, Inc. common stock.
- (2) Shares held by trusts of which Mr. Slavik is a beneficiary and trustee or co-trustee.
- (3) Shares held by or FBO Mr. Slavik's children. Mr. Slavik disclaims beneficial ownership of such shares.
- (4) Shares held by corporation of which Mr. Slavik is a shareholder, director & officer. Mr. Slavik disclaims beneficial ownership of such shares.
- (5) Shares held by trusts of which Mr. Slavik is a trustee or co-trustee. Mr. Slavik disclaims beneficial ownership of such shares.
- (6) Shares owned by Emerald Bay Ventures II, LLC, of which Mr. Slavik is the sole manager. Mr. Slavik disclaims beneficial ownership of such shares except to the extent of his pecuniary interest.
- (7) 1-for-1
- (8) The stock units are expected to settle in shares of common stock on a one-for-one basis following termination of service as a director.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.