

LEVENICK STUART L

Form 4

April 26, 2012

FORM 4
UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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Check this box
 if no longer
 subject to
 Section 16.
 Form 4 or
 Form 5
 obligations
 may continue.
See Instruction
 1(b).

**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

(Print or Type Responses)

1. Name and Address of Reporting Person *
LEVENICK STUART L

(Last) (First) (Middle)

100 GRAINGER PARKWAY

(Street)

LAKE FOREST, IL 60045-5201

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
04/25/2012

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

5. Relationship of Reporting Person(s) to
 Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(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)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock				(A) or (D)	400	D	

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

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SEC 1474
 (9-02)

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

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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. 5)		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Units	(1)	04/25/2012		A		720		(2)	(2)	Common Stock	720	\$ 204.0

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LEVENICK STUART L 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201			X	

Signatures

Aimee M. Nolan, as
attorney-in-fact
04/26/2012

__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).

(1) 1-for-1

(2) 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.

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(3) (The total includes 11,986 units previously reported as being settled for cash but the terms of which were amended on April 25, 2012 to provide for settlement in shares.)

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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