

IRVING GREGORY S
Form 4
February 13, 2013

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 *
IRVING GREGORY S

(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)
02/12/2013

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)
Vice President and Controller

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock	02/12/2013		S		100	D	\$ 222.67 5,088
Common Stock	02/12/2013		S		300	D	\$ 222.68 4,788
Common Stock	02/12/2013		S		300	D	\$ 222.69 4,488
Common Stock	02/12/2013		S		100	D	\$ 222.7 4,388
Common Stock	02/12/2013		S		100	D	\$ 222.72 4,288

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Common Stock	02/12/2013	S	22	D	\$ 222.75	4,266	D
Common Stock	02/12/2013	S	760	D	\$ 222.76	3,506	D
Common Stock	02/12/2013	S	100	D	\$ 222.785	3,406	D
Common Stock	02/12/2013	S	100	D	\$ 222.79	3,306	D
Common Stock	02/12/2013	S	100	D	\$ 222.81	3,206	D

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

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(9-02)

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)	
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V (A) (D)		
Option	\$ 85.82					04/30/2011	04/29/2018	Common Stock	1,600
Option	\$ 81.49					04/29/2012	04/28/2019	Common Stock	7,000
Option	\$ 108.15					04/28/2013	04/27/2020	Common Stock	5,800
Option	\$ 149.02					04/27/2014	04/26/2021	Common Stock	4,608
Option	\$ 204.01					04/25/2015	04/24/2022	Common Stock	3,385

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
IRVING GREGORY S 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201			Vice President and Controller	

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).

Remarks:

Exhibit List: Exhibit 24 - Power of Attorney

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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