

JADIN RONALD L
 Form 4
 September 05, 2012

FORM 4

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

OMB APPROVAL

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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 *
JADIN RONALD L

(Last) (First) (Middle)

100 GRAINGER PARKWAY

(Street)

LAKE FOREST, IL 60045

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
09/04/2012

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)
Sr. VP & CFO

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					18,650	D	
Common Stock	09/04/2012		M		3,900	A	\$ 54.14 4,925
Common Stock	09/04/2012		S		99	D	\$ 209.26 4,826
Common Stock	09/04/2012		S		300	D	\$ 209.3 4,526
Common Stock	09/04/2012		S		100	D	\$ 209.32 4,426

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Common Stock	09/04/2012	S	100	D	\$ 209.33	4,326	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	100	D	\$ 209.35	4,226	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	107	D	\$ 209.36	4,119	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	100	D	\$ 209.39	4,019	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	80	D	\$ 209.41	3,939	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	363	D	\$ 209.4148	3,576	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	100	D	\$ 209.44	3,476	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	266	D	\$ 209.46	3,210	I	By wife. <u>(1)</u>
Common Stock	09/04/2012	S	500	D	\$ 209.47	2,710	I	By wife. <u>(1)</u>

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. Amount or Number of Shares
Option	\$ 54.14	09/04/2012		M	3,900	04/28/2007 04/27/2014	Common Stock	3,900
Option	\$ 52.29					04/27/2008 04/26/2015	Common Stock	5,000
Option	\$ 76.61					04/26/2009 04/25/2016	Common Stock	3,500

Option	\$ 83.08	04/25/2010	04/24/2017	Common Stock	3,200
Option	\$ 85.82	04/30/2011	04/29/2018	Common Stock	13,500
Option	\$ 81.49	04/29/2012	04/28/2019	Common Stock	30,000
Option	\$ 108.15	04/28/2013	04/27/2020	Common Stock	29,000
Option	\$ 149.02	04/27/2014	04/26/2021	Common Stock	25,336
Option	\$ 204.01	04/25/2015	04/24/2022	Common Stock	19,527

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
JADIN RONALD L 100 GRAINGER PARKWAY LAKE FOREST, IL 60045			Sr. VP & CFO	

Signatures

Aimee M. Nolan, as
attorney-in-fact

09/05/2012

__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) Shares held by Mr. Jadin's wife. Mr. Jadin disclaims beneficial ownership of such 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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