JADIN RONALD L Form 4/A February 24, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

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

(Print or Type Responses)

1(b).

(Last)

(City)

Common

Stock

1. Name and Address of Reporting Person * JADIN RONALD L

(First)

(Street)

(State)

02/15/2012

2. Issuer Name and Ticker or Trading Symbol

GRAINGER W W INC [GWW]

5. Relationship of Reporting Person(s) to Issuer

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

02/15/2012

Director 10% Owner

(Check all applicable)

X_ Officer (give title below)

Other (specify Sr. VP & CFO

100 GRAINGER PARKWAY

4. If Amendment, Date Original

Filed(Month/Day/Year) 02/17/2012

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

LAKE FOREST, IL 60045

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Month/Day/Year)

(Zip)

4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of 7. Nature of Securities Ownership Indirect Beneficially Form: Direct Beneficial Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4)

(A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

\$ 1,495 F D 187.19 (1) (1)

D 20,101

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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	2.	3. Transaction Date	3A. Deemed	4.	5.	5. 6. Date Exercisable and		7. Title and		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	Year)	Underlyi	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative			Securities		(Instr. 5)	Bene
	Derivative				Securities Acquired			(Instr. 3 and 4)			Own
	Security									Follo	
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								٨	mount		
						Date Expiration		or Title Number			
						Exercisable	Date	of			
				Code V	(A) (D)				hares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

JADIN RONALD L 100 GRAINGER PARKWAY LAKE FOREST, IL 60045

Sr. VP & CFO

Signatures

John L. Howard, as 02/24/2012 attorney-in-fact

**Signature of Reporting Person

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).
- The reason for the amendment is to report correctly the price associated with the number of shares withheld to cover tax liability as well as the number of shares withheld for the Reporting Person as reported on the Form 4 filed on 2/17/2012.

Note: File three copies of this Form, one of which must be manually signed. If space 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.

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