GRAINGER W W INC

Form 4

February 20, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

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January 31, 2005

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may continue.

See Instruction

Check this box

if no longer

subject to

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(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading JADIN RONALD L Issuer Symbol GRAINGER W W INC [GWW] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title) __ Other (specify 100 GRAINGER PARKWAY 02/19/2014 below) Sr. VP & CFO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

LAKE FOREST, IL 60045

(City)	(State)	(Zip) Tabl	le I - Non-l	Derivative	Secu	rities Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securion(A) or D (Instr. 3,	ispose 4 and (A) or	d of (D)	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)
Common Stock	02/19/2014		A	7,000	A	\$0	24,917	D	
Common Stock	02/19/2014		F	2,715	D	\$ 255.42	22,202	D	
Common Stock							6,086	I	By wife. $\frac{(1)}{}$

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

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Person

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number.

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. Transactic Code (Instr. 8)	5. DrNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pri Deriv Secun (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option	\$ 76.61					04/26/2009	04/25/2016	Common Stock	3,500	
Stock Option	\$ 83.08					04/25/2010	04/24/2017	Common Stock	3,200	
Stock Option	\$ 85.82					04/30/2011	04/29/2018	Common Stock	13,500	
Stock Option	\$ 81.49					04/29/2012	04/28/2019	Common Stock	30,000	
Stock Option	\$ 108.15					04/28/2013	04/27/2020	Common Stock	29,000	
Stock Option	\$ 149.02					04/27/2014	04/26/2021	Common Stock	25,336	
Stock Option	\$ 204.01					04/25/2015	04/24/2022	Common Stock	19,527	
Stock Option	\$ 245.86					04/24/2016	04/23/2023	Common Stock	16,790	

Reporting Owners

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

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Signatures

David L. Rawlinson, as attorney-in-fact

02/20/2014

**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. 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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