GRAINGER W W INC

Form 4

November 25, 2014

FORM 4

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

OMB 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Number: January 31, Expires: 2005

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

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0.5

Estimated average

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Lomax William	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)	GRAINGER W W INC [GWW] 3. Date of Earliest Transaction	(Check all applicable)			
100 GRAINGER PARKWAY	(Month/Day/Year) 11/24/2014	Director 10% OwnerX_ Officer (give title Other (specif below) Vice President and Controller			
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)			
LAKE FOREST, IL 60045		_X_Form filed by One Reporting PersonForm filed by More than One Reporting Person			

(City)	(State) (Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	ecution Date, if Transaction(A) or Disposed of (D code (Instr. 3, 4 and 5)		d of (D)	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	11/24/2014		M	1,500 (1)	A	\$ 52.29	4,008	D	
Common Stock	11/24/2014		S	1,500	D	\$ 250	2,508	D	

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)	Code	Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option	\$ 52.29	11/24/2014		M		1,500	04/27/2008	04/26/2015	Common Stock	1,500
Stock Option	\$ 76.61						04/26/2009	04/25/2016	Common Stock	1,300
Stock Option	\$ 83.08						04/25/2010	04/24/2017	Common Stock	1,300
Stock Option	\$ 85.82						04/30/2011	04/29/2018	Common Stock	2,300
Stock Option	\$ 81.49						04/29/2012	04/28/2019	Common Stock	2,800
Stock Option	\$ 108.15						04/28/2013	04/27/2020	Common Stock	3,300
Stock Option	\$ 149.02						04/27/2014	04/26/2021	Common Stock	4,352
Stock Option	\$ 204.01						04/25/2015	04/24/2022	Common Stock	2,883
Stock Option	\$ 245.86						04/24/2016	04/23/2023	Common Stock	2,174
Stock Option	\$ 248.22						04/30/2017	04/29/2024	Common Stock	1,665

Reporting Owners

Reporting Owner Name / Address	Relationships							
Topozonia o minoz i mino / izumi oss	Director	10% Owner	Officer	Other				
Lomax William 100 GRAINGER PARKWAY LAKE FOREST, IL 60045			Vice President and Controller					

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Signatures

David L. Rawlinson, as attorney-in-fact

11/25/2014

**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) Award of restricted stock units to be settled after vesting by the delivery of unrestricted shares of common stock on a one-for-one basis. 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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