GRAINGER W W INC

Form 4

September 10, 2015

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number:

January 31, Expires: 2005

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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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Add Lomax William	•	ng Person *	2. Issuer Name and Ticker or Trading Symbol GRAINGER W W INC [GWW]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
100 GRAINGER PARKWAY			(Month/Day/Year) 09/09/2015	Director 10% Owner _X_ Officer (give title Other (specify below) Vice President and Controller		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
LAKE FORES	ST, IL 6004:	5	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

	(City)	(State) (Zip) Table	e I - Non-D	erivative	Secur	rities Acq	uired, Disposed of	, or Beneficial	y Owned
S	Title of Security Instr. 3)	2. Transaction Date (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)					Indirect Beneficial Ownership		
				Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
	Common Stock	09/09/2015		M	1,300	A	\$ 76.61	3,941	D	
	Common Stock	09/09/2015		S	1,300	D	\$ 225	2,641	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)	4. Transacti Code (Instr. 8)			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	\$ 76.61	09/09/2015		M		1,300	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
Stock Option	\$ 231.88						04/01/2018	03/31/2025	Common Stock	2,420

Reporting Owners

Reporting Owner Name / Address	Relationships							
1 0	Director	10% Owner	Officer	Other				
Lomax William 100 GRAINGER PARKWAY LAKE FOREST, IL 60045			Vice President and Controller					

Reporting Owners 2

Signatures

John L. Howard, as 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).

09/10/2015

Date

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.

Signatures 3