GRAINGER W W INC

Form 4

October 13, 2015

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

OMB APPROVAL

3235-0287

Expires:

Form filed by More than One Reporting

January 31, 2005

0.5

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

Check this box

obligations may continue. See Instruction

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 HIGH JOSEPH C 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 10/12/2015 below) Sr. VP & Chief People Officer (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

LAKE FOREST, IL 60045

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative :	Secui	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. Transaction Code (Instr. 8)	4. Securit or(A) or Dis (Instr. 3, 4)	spose	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	10/12/2015		S <u>(1)</u>	2,321	D	\$ 229.02	8,394	D	

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.

Person

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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8. Pri Deriv Secur (Instr

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. DriNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Dat (Month/Day/Y	b. 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	\$ 154.84					07/26/2014	07/25/2021	Common Stock	5,800	
Stock Option	\$ 204.01					04/25/2015	04/24/2022	Common Stock	10,415	
Stock Option	\$ 245.86					04/24/2016	04/23/2023	Common Stock	8,920	
Stock Option	\$ 248.22					04/30/2017	04/29/2024	Common Stock	7,360	
Stock Option	\$ 231.88					04/01/2018	03/31/2025	Common Stock	8,459	

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
HIGH JOSEPH C			Sr. VP &				
100 GRAINGER PARKWAY			Chief People				
LAKE FOREST, IL 60045			Officer				

Signatures

John L. Howard, as attorney-in-fact 10/13/2015

**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) Transaction pursuant to a previously adopted Rule 10b5-1 trading program.

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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