

GRAINGER W W INC  
Form 4  
April 18, 2016

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**HIGH JOSEPH C**

(Last) (First) (Middle)

100 GRAINGER PARKWAY

(Street)

LAKE FOREST, IL 60045

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**GRAINGER W W INC [GWW]**

3. Date of Earliest Transaction (Month/Day/Year)  
**04/15/2016**

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**Sr. VP & Chief People Officer**

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)
			Code	V	Amount or Price		
Common Stock	04/15/2016		S <sup>(1)</sup>		45	D	\$ 235.01 11,411 D
Common Stock	04/15/2016		S <sup>(1)</sup>		100	D	\$ 235.06 11,311 D
Common Stock	04/15/2016		S <sup>(1)</sup>		100	D	\$ 235.0939 11,211 D
Common Stock	04/15/2016		S <sup>(1)</sup>		100	D	\$ 235.13 11,111 D
Common Stock	04/15/2016		S <sup>(1)</sup>		100	D	\$ 235.15 11,011 D

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Common Stock	04/15/2016	S <sup>(1)</sup>	250	D	\$ 235.18	10,761	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.2197	10,661	D
Common Stock	04/15/2016	S <sup>(1)</sup>	400	D	\$ 235.31	10,261	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.3688	10,161	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.4	10,061	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.4144	9,961	D
Common Stock	04/15/2016	S <sup>(1)</sup>	26	D	\$ 235.42	9,935	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.43	9,835	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.44	9,735	D
Common Stock	04/15/2016	S <sup>(1)</sup>	200	D	\$ 235.48	9,535	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.4805	9,435	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.63	9,335	D
Common Stock	04/15/2016	S <sup>(1)</sup>	100	D	\$ 235.67	9,235	D

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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(9-02)

**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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
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4, and 5)

								Amount or Number of Shares
				Date Exercisable	Expiration Date	Title		
Code	V	(A)	(D)					

## Reporting Owners

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

## Signatures

Noni Ellison Southall, as attorney-in-fact	04/18/2016
**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.

### Remarks:

This is the second of two Forms 4 to report all April 15, 2016 transactions for the Reporting Person.

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.