HIGH JOSEPH C Form 4 April 04, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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).

(Last)

(Print or Type Responses)

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

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

GRAINGER W W INC [GWW]

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

3. Date of Earliest Transaction

(Check all applicable)

(Month/Day/Year)

04/02/2018

Director 10% Owner X_ Officer (give title Other (specify

below)

Sr. VP & Chief People Officer

100 GRAINGER PARKWAY

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

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

LAKE FOREST, IL 60045

(City) (State) (Zip) 2. Transaction Date 2A. Deemed

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

(Month/Day/Year) Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) (Instr. 4)

Ownership (Instr. 4)

(A) or

Code V Amount (D) Price

Transaction(s) (Instr. 3 and 4)

Common Stock

6,038 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)

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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. Number on f Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	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	\$ 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
Stock Option	\$ 234.38					04/01/2019	03/31/2026	Common Stock	9,531
Stock Option	\$ 231.2					04/03/2020	04/02/2027	Common Stock	6,621
Stock Option	\$ 276.64	04/02/2018		A	7,808	04/02/2021	04/01/2028	Common Stock	7,808

Reporting Owners

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

Signatures

Hugo Dubovoy, Jr., as attorney-in-fact 04/04/2018

**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).

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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