GRAINGER W W INC

Form 4

December 01, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

January 31, Expires:

OMB APPROVAL

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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).

(C:+-)

(Print or Type Responses)

1. Name and Ad HOWARD J	*	ting Person *	2. Issuer Name and Ticker or Trading Symbol GRAINGER W W INC [GWW]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) (First) (Middle)		(Middle)	3. Date of Earliest Transaction	(======================================		
100 GRAINGER PARKWAY			(Month/Day/Year) 11/30/2016	Director 10% Owner Selfow) Univerself title Other (specify below)		
				Sr. VP and General Counsel		
(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				Form filed by More than One Reporting Person		

(City)	(State) (Table Table	e I - Non-D	erivative S	Securi	ties Acqu	iired, 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. Transactio Code (Instr. 8)	4. Securit or(A) or Dis (Instr. 3, 4	sposed 4 and 5	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	11/30/2016		M	11,000	A	\$ 85.82	49,406	D	
Common Stock	11/30/2016		S	11,000	D	\$ 230	38,406	D	

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

(7:m)

(State)

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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. Transactic 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	\$ 85.82	11/30/2016		M		11,000	04/30/2011	04/29/2018	Common Stock	11,000
Stock Option	\$ 81.49						04/29/2012	04/28/2019	Common Stock	21,000
Stock Option	\$ 108.15						04/28/2013	04/27/2020	Common Stock	19,500
Stock Option	\$ 149.02						04/27/2014	04/26/2021	Common Stock	14,990
Stock Option	\$ 204.01						04/25/2015	04/24/2022	Common Stock	11,716
Stock Option	\$ 245.86						04/24/2016	04/23/2023	Common Stock	11,543
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	9,728
Stock Option	\$ 234.38						04/01/2019	03/31/2026	Common Stock	12,390

Reporting Owners

Reporting Owner Name / Address	Relationships						
Treporting O When I wante / I wante of	Director	10% Owner	Officer	Other			
HOWARD JOHN L 100 GRAINGER PARKWAY LAKE FOREST, IL 60045			Sr. VP and General Counsel				

Signatures

Noni Ellison Southall, as attorney-in-fact	12/01/2016
**Signature of Reporting Person	Date

Reporting Owners 2

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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).

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