GRAINGER W W INC

Form 4

December 03, 2015

FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

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

January 31, Expires: 2005

0.5

OMB APPROVAL

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

Estimated average burden hours per response...

See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * HOWARD JOHN L			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)		
			(Month/Day/Year)	Director 10% Owner		
100 GRAINGER PARKWAY			12/01/2015	X Officer (give title Other (specification) 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 Form filed by More than One Reporting		
LAKE FOR	EST, IL 600)45		Person		

(City)	(State)	(Zip) Tab	le I - Non-I	Derivative	Secur	ities Acqui	red, 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. 4. Securities Acquired (A) Transactionor Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or			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	12/01/2015		Code V $M_{\underline{(1)}}$	Amount 10,000	(D)	Price \$ 83.08		D	
Common Stock	12/01/2015		S(1)	200	D	\$ 200.06	47,492	D	
Common Stock	12/01/2015		S <u>(1)</u>	1,000	D	\$ 200.09	46,492	D	
Common Stock	12/01/2015		S <u>(1)</u>	200	D	\$ 200.13	46,292	D	
Common Stock	12/01/2015		S <u>(1)</u>	100	D	\$ 200.19	46,192	D	

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Common Stock	12/01/2015	S <u>(1)</u>	100	D	\$ 200.2 46,092	D
Common Stock	12/01/2015	S <u>(1)</u>	100	D	\$ 200.4 45,992	D
Common Stock	12/01/2015	S <u>(1)</u>	100	D	\$ 200.45 45,892	D
Common Stock	12/01/2015	S <u>(1)</u>	400	D	\$ 200.63 45,492	D
Common Stock	12/01/2015	S <u>(1)</u>	215	D	\$ 200.64 45,277	D
Common Stock	12/01/2015	S(1)	100	D	\$ 200.65 45,177	D
Common Stock	12/01/2015	S(1)	100	D	\$ 200.8 45,077	D
Common Stock	12/01/2015	S(1)	100	D	\$ 200.81 44,977	D
Common Stock	12/01/2015	S <u>(1)</u>	200	D	\$ 200.87 44,777	D
Common Stock	12/01/2015	S <u>(1)</u>	100	D	\$ 201.01 44,677	D
Common Stock	12/01/2015	S <u>(1)</u>	100	D	\$ 201.02 44,577	D
Common Stock	12/01/2015	S <u>(1)</u>	300	D	\$ 201.03 44,277	D
Common Stock	12/01/2015	S(1)	100	D	\$ 201.04 44,177	D
Common Stock	12/01/2015	S(1)	300	D	\$ 201.05 43,877	D
Common Stock	12/01/2015	S <u>(1)</u>	100	D	\$ 201.07 43,777	D
Common Stock	12/01/2015	S <u>(1)</u>	300	D	\$ 201.08 43,477	D
Common Stock	12/01/2015	S <u>(1)</u>	100	D	\$ 201.09 43,377	D
Common Stock	12/01/2015	S <u>(1)</u>	1,000	D	\$ 201.15 42,377	D
Common Stock	12/01/2015	S(1)	800	D	\$ 201.16 41,577	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

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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. Transactio Code (Instr. 8)	5. Number of onDerivative 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	\$ 83.08	12/01/2015		M(1)		10,000	04/25/2010	04/24/2017	Common Stock	10,000
Stock Option	\$ 85.82						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

Reporting Owners

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

Reporting Owners 3

Signatures

Hugo Dubovoy, Jr., as attorney-in-fact 12/03/2015

**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.

Remarks:

This is the first of two Forms 4 to report all December 1, 2015 transactions for the reporting person.

Exhibit List - Exhibit 24 - Power of Attorney

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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