GRAINGER W W INC

Form 4 May 22, 2015

FORM 4

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

OMB 3235-0287

Check this box if no longer subject to STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Number: 3235-0287 Expires: January 31, 2005

OMB APPROVAL

if no longer subject to Section 16. Form 4 or

IGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

Form 5 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 * RYAN JAMES T			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)	3. Date of Earliest Transaction	(Check an applicable)		
100 GRAINGER PARKWAY		AY	(Month/Day/Year) 05/21/2015	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chairman, President and CEO		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
LAKE FORES	T, IL 60045	5201	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tabl	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)			5. Amount of 6. Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect Reported (I)	Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	05/21/2015		M(1)	30,000	A	\$ 83.08	193,763	D	
Common Stock	05/21/2015		S(1)	100	D	\$ 245.15	193,663	D	
Common Stock	05/21/2015		S(1)	100	D	\$ 245.21	193,563	D	
Common Stock	05/21/2015		S(1)	94	D	\$ 245.22	193,469	D	
Common Stock	05/21/2015		S <u>(1)</u>	100	D	\$ 245.24	193,369	D	

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Common Stock	05/21/2015	S <u>(1)</u>	6	D	\$ 245.33	193,363	D
Common Stock	05/21/2015	S <u>(1)</u>	1,400	D	\$ 245.44	191,963	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.56	191,863	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.64	191,763	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.65	191,663	D
Common Stock	05/21/2015	S <u>(1)</u>	300	D	\$ 245.66	191,363	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.67	191,263	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.68	191,163	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.7	191,063	D
Common Stock	05/21/2015	S <u>(1)</u>	500	D	\$ 245.76	190,563	D
Common Stock	05/21/2015	S <u>(1)</u>	5	D	\$ 245.77	190,558	D
Common Stock	05/21/2015	S <u>(1)</u>	40	D	\$ 245.78	190,518	D
Common Stock	05/21/2015	S <u>(1)</u>	255	D	\$ 245.79	190,263	D
Common Stock	05/21/2015	S <u>(1)</u>	105	D	\$ 245.8	190,158	D
Common Stock	05/21/2015	S <u>(1)</u>	435	D	\$ 245.81	189,723	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.83	189,623	D
Common Stock	05/21/2015	S <u>(1)</u>	660	D	\$ 245.84	188,963	D
Common Stock	05/21/2015	S <u>(1)</u>	300	D	\$ 245.85	188,663	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.86	188,563	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 245.88	188,463	D

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

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SEC 1474 (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. Transactio Code (Instr. 8)	onDeri Secu Acqu or D (D)	urities uired (A) isposed of r. 3, 4,	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	05/21/2015		M <u>(1)</u>		30,000	04/25/2010	04/24/2017	Common Stock	30,000
Stock Option	\$ 85.82						04/30/2011	04/29/2018	Common Stock	57,000
Stock Option	\$ 81.49						04/29/2012	04/28/2019	Common Stock	130,000
Stock Option	\$ 108.15						04/28/2013	04/27/2020	Common Stock	122,000
Stock Option	\$ 149.02						04/27/2014	04/26/2021	Common Stock	96,400
Stock Option	\$ 204.01						04/25/2015	04/24/2022	Common Stock	78,100
Stock Option	\$ 245.86						04/24/2016	04/23/2023	Common Stock	70,465
Stock Option	\$ 248.22						04/30/2017	04/29/2024	Common Stock	56,558
Stock Option	\$ 231.88						04/01/2018	03/31/2025	Common Stock	65,816

Reporting Owners

Reporting Owner Name / Address	Relationships							
1 0	Director	10% Owner	Officer	Other				
RYAN JAMES T 100 GRAINGER PARKWAY LAKE FOREST, IL 600455201	X		Chairman, President and CEO					

Reporting Owners 3

Signatures

Aimee M. Nolan, as attorney-in-fact

05/22/2015

**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 four Forms 4 to report all May 21, 2015 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.

Signatures 4