GRAINGER W W INC

Form 4 May 22, 2015

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Form 5 obligations may continue.

See Instruction

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

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

1(b).

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * RYAN JAMES T

(First) (Middle)

100 GRAINGER PARKWAY

LAKE FOREST, IL 600455201

(Street)

(State)

(Zip)

2. Issuer Name and Ticker or Trading Symbol

GRAINGER W W INC [GWW]

3. Date of Earliest Transaction (Month/Day/Year)

05/21/2015

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

OMB APPROVAL

OMB Number:

3235-0287

Expires:

January 31, 2005

Estimated average burden hours per

response...

0.5

5. Relationship of Reporting Person(s) to Issuer (Check all applicable) _X_ Director 10% Owner X_ Officer (give title Other (specify below) Chairman, President and CEO 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

1	Table I. Non Darivative Sequenties Acquired Disposed of an Panaficially Ou	mod
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Ov	vnea

Person

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1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securi or(A) or D (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	05/21/2015		S <u>(1)</u>	400	D	\$ 245.89	188,063	D	
Common Stock	05/21/2015		S <u>(1)</u>	300	D	\$ 245.9	187,763	D	
Common Stock	05/21/2015		S <u>(1)</u>	100	D	\$ 245.91	187,663	D	
Common Stock	05/21/2015		S(1)	100	D	\$ 245.92	187,563	D	
Common Stock	05/21/2015		S <u>(1)</u>	110	D	\$ 245.93	187,453	D	

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Common Stock	05/21/2015	S <u>(1)</u>	205	D	\$ 245.94	187,248	D
Common Stock	05/21/2015	S <u>(1)</u>	285	D	\$ 245.96	186,963	D
Common Stock	05/21/2015	S <u>(1)</u>	200	D	\$ 245.99	186,763	D
Common Stock	05/21/2015	S <u>(1)</u>	1,800	D	\$ 246	184,963	D
Common Stock	05/21/2015	S <u>(1)</u>	300	D	\$ 246.01	184,663	D
Common Stock	05/21/2015	S <u>(1)</u>	1,750	D	\$ 246.03	182,913	D
Common Stock	05/21/2015	S <u>(1)</u>	1,715	D	\$ 246.05	181,198	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 246.06	181,098	D
Common Stock	05/21/2015	S <u>(1)</u>	400	D	\$ 246.07	180,698	D
Common Stock	05/21/2015	S <u>(1)</u>	1,008	D	\$ 246.08	179,690	D
Common Stock	05/21/2015	S(1)	400	D	\$ 246.1	179,290	D
Common Stock	05/21/2015	S(1)	65	D	\$ 246.11	179,225	D
Common Stock	05/21/2015	S(1)	600	D	\$ 246.13	178,625	D
Common Stock	05/21/2015	S(1)	303	D	\$ 246.16	178,322	D
Common Stock	05/21/2015	S(1)	802	D	\$ 246.17	177,520	D
Common Stock	05/21/2015	S(1)	380	D	\$ 246.21	177,140	D
Common Stock	05/21/2015	S <u>(1)</u>	800	D	\$ 246.26	176,340	D
Common Stock	05/21/2015	S <u>(1)</u>	200	D	\$ 246.27	176,140	D
Common Stock	05/21/2015	S(1)	100	D	\$ 246.29	176,040	D
Common Stock	05/21/2015	S <u>(1)</u>	100	D	\$ 246.3	175,940	D
	05/21/2015	S(1)	100	D		175,840	D

Common \$ Stock 246.34

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)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transac Code (Instr. 8	5. tionNumber of) Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	S	ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
			Code '	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships
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Director 10% Owner Officer Other

RYAN JAMES T

100 GRAINGER PARKWAY X Chairman, President and CEO LAKE FOREST, IL 600455201

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).
- Transaction pursuant to a previously adopted Rule 10b5-1 trading program.

Remarks:

This is the second 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.

Reporting Owners 3

(9-02)

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