GRAINGER W W INC

Form 4

September 01, 2015

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

0.5

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response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

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

may continue. See Instruction

1(b).

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * ROGERS GARY L

(First)

(Street)

(State)

2. Issuer Name and Ticker or Trading Symbol

GRAINGER W W INC [GWW]

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year) 09/01/2015

X_ Director 10% Owner Officer (give title

Other (specify below)

6. Individual or Joint/Group Filing(Check

(Check all applicable)

4. If Amendment, Date Original

Applicable Line)

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

Person

100 GRAINGER PARKWAY

Filed(Month/Day/Year)

LAKE FOREST, IL 60045

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

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially (D) or Beneficial Indirect (I) Owned Ownership Following (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

310 D

Common Stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)		4. Transac Code	5. tionNumber of	6. Date Exer Expiration D (Month/Day)	ate	7. Title and A Underlying S (Instr. 3 and	Securities	8. Price of Derivative Security
(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8		ive es ed ed	z car)	(msu. 3 und	''	(Instr. 5)
				Code '	V (A) (I	D) Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Units	(1)	09/01/2015		A	56	(2)	(2)	Common Stock	56	\$ 223.44

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 8	Director	10% Owner	Officer Othe				
ROGERS GARY L 100 GRAINGER PARKWAY LAKE FOREST, IL 60045	X						

Signatures

John L. Howard, as attorney-in-fact 09/01/2015

**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) 1-for-1
- (2) The stock units are expected to settle in shares of common stock on a one-for-one basis following termination of service as a director.

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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