GRAINGER W W INC Form 4

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

Form 5

March 02, 2016

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person
ROBERTS MICHAEL JAMES

2. Issuer Name and Ticker or Trading

Issuer

Symbol

GRAINGER W W INC [GWW]

(Check all applicable)

(First)

(Street)

(State)

3. Date of Earliest Transaction

(Month/Day/Year) 03/01/2016

X_ Director 10% Owner Officer (give title Other (specify

5. Relationship of Reporting Person(s) to

100 GRAINGER PARKWAY

(Middle)

(Zip)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

Person

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

below)

LAKE FOREST, IL 60045

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 Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(9-02)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

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

Price

Common Stock

Code V Amount (D) 1,000

D

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)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	e 3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	of	(Month/Day tive ies ed ed	Date	7. Title and A Underlying S (Instr. 3 and	Securities	8. Price of Derivative Security (Instr. 5)
				Code V	(A) (I	D) Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Units	<u>(1)</u>	03/01/2016		A	90	(2)	(2)	Common Stock	90	\$ 216.9

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

ROBERTS MICHAEL JAMES
100 GRAINGER PARKWAY X

LAKE FOREST, IL 60045

Signatures

Noni Ellison Southall, as attorney-in-fact

03/02/2016

**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.

Remarks:

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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