GRAINGER W W INC

Form 4 April 26, 2007

FORM 4

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

OMB

Check this box if no longer subject to Section 16

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Number: 3235-0287 Expires: January 31,

2005

OMB APPROVAL

Section 16. Form 4 or 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

burden hours per response... 0.5

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Form filed by More than One Reporting

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading HOWARD JOHN L Issuer Symbol GRAINGER W W INC [GWW] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 100 GRAINGER PARKWAY 04/25/2007 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

LAKE FOREST, IL 60045-5201

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Indirect (I) Ownership (Month/Day/Year) (Instr. 8) Owned Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price 2,500 Common 04/25/2007 A \$0 40,063 D

Stock (1) A \$ 0 40,003

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 required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

Person

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of ionDerivative 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
Option	\$ 37.5					04/25/2004	04/24/2011	Common Stock	20,000
Option	\$ 37.5					04/25/2007	04/24/2011	Common Stock	1,440
Option	\$ 54.61					04/24/2005	04/23/2012	Common Stock	10,000
Option	\$ 45.5					04/30/2006	04/29/2013	Common Stock	25,000
Option	\$ 54.14					04/28/2007	04/27/2014	Common Stock	12,000
Option	\$ 52.29					04/27/2008	04/26/2015	Common Stock	13,000
Option	\$ 76.61					04/26/2009	04/25/2016	Common Stock	10,000
Option	\$ 83.08	04/25/2007		A	10,000	04/25/2010	04/24/2017	Common Stock	10,000

Reporting Owners

Reporting Owner Name / Address					
	Director	10% Owner	Officer	Other	

HOWARD JOHN L

100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201 Sr. VP and General Counsel

Relationships

Signatures

L. M. Trusdell, as attorney-in-fact 04/26/2007

**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) Award of restricted stock units to be settled after vesting by the delivery of unrestricted shares of common stock on a one-for-one basis.

Reporting Owners 2

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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.