GRAINGER W W INC

Form 4

December 04, 2006

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 **SECURITIES**

Number: January 31, Expires: 2005

OMB APPROVAL

Section 16. Form 4 or Form 5 obligations

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

Estimated average

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **GANTZ WILBUR H**

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

GRAINGER W W INC [GWW]

(Check all applicable)

(First) (Middle) (Last)

(Street)

(State)

100 GRAINGER PARKWAY

3. Date of Earliest Transaction

(Month/Day/Year)

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

12/01/2006

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

LAKE FOREST, IL 60045-5201

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Zip)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following (Instr. 4)

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

(A) or

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

Code V Amount (D) Price

11,340 D

Common Stock

(City)

1.Title of

Security

(Instr. 3)

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

(Month/Day/Year)

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 (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. Transac Code (Instr. 8	ction (3) I (4) (4) (4) (6)	onNumber		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pri Deriv Secur (Instr
				Code V	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Units	<u>(1)</u>	12/01/2006		A		59		<u>(2)</u>	(2)	Common Stock	59	\$ 72
Stock Option	\$ 37.25							04/30/2000	04/29/2007	Common Stock	2,200	
Stock Option	\$ 51.6875							04/29/2001	04/28/2008	Common Stock	1,460	
Stock Option	\$ 48.625							04/28/1999	04/27/2009	Common Stock	1,860	
Stock Option	\$ 43.5							04/26/2000	04/25/2010	Common Stock	2,070	
Stock Option	\$ 37.5							04/25/2001	04/24/2011	Common Stock	2,400	
Stock Option	\$ 54.61							04/24/2002	04/23/2012	Common Stock	1,650	
Stock Option	\$ 45.5							04/30/2003	04/29/2013	Common Stock	1,980	
Stock Option	\$ 54.14							04/28/2004	04/27/2014	Common Stock	1,670	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
GANTZ WILBUR H 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	X						
Cianaturas							

Signatures

L. M. Trusdell, as attorney-in-fact 12/04/2006

Reporting Owners 2

**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 cash 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.

Signatures 3