WEBB JANIECE S Form 4 January 03, 2005

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

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

January 31, Expires: 2005

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

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction

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

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 WEBB JANIECE S Issuer Symbol GRAINGER W W INC [GWW] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner Other (specify Officer (give title 100 GRAINGER PARKWAY 12/31/2004 below) (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 Form filed by More than One Reporting LAKE FOREST, IL 60045-5201 Person

(City)	(State) (Zip)	7	Гable I - Non-D	Derivative Securition	es Acquired, Disposed o	of, or Beneficially Owned
1 Title of	2 Transaction Date 2A	Deemed	3	4 Securities	5 Amount of	6 Ownership 7 Nature

1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. SecurionAcquired Disposed (Instr. 3,	l (A) or l of (D)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D) Prio	Reported Transaction(s) (Instr. 3 and 4)	(IIISU: 4)	(IIIsu. 4)
Common Stock						11,302	D	
Common Stock						350	I	See Footnote (1)

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number conf Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerci Expiration Dat (Month/Day/Y	te	7. Title and A Underlying S (Instr. 3 and	Securities	8. D Se (I
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option	\$ 51.6875					04/29/2001	04/28/2008	Common Stock	1,460	
Stock Option	\$ 54.61					04/24/2002	04/23/2012	Common Stock	1,650	
Stock Option	\$ 54.14					04/28/2004	04/27/2014	Common Stock	1,670	
Stock Units	(2)	12/31/2004		A	45	(3)	<u>(3)</u>	Common Stock	45	
Stock Units	(2)	01/01/2005		A	1,051	(3)	<u>(3)</u>	Common Stock	1,051	

Reporting Owners

Reporting Owner Name / Address	Relationships				
. 3	Director	10% Owner	Officer	Other	
WEBB JANIECE S 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	X				

Signatures

L. M. Trusdell, as attorney-in-fact 01/03/2005

**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) Shares held by spouse. Ms. Webb disclaims beneficial ownership of such shares.
- (2) 1-for-1
- (3) 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.

Reporting Owners 2

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