KREHBIEL FREDERICK A

Form 4 April 29, 2005

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or Form 5

obligations may continue. See Instruction 1(b).

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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

(Last)

(City)

1. Name and Address of Reporting Person * KREHBIEL FREDERICK A

(Middle)

(Zip)

100 GRAINGER PARKWAY

(Street)

(State)

(First)

2. Issuer Name and Ticker or Trading Symbol

GRAINGER W W INC [GWW]

3. Date of Earliest Transaction (Month/Day/Year) 04/27/2005

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

Issuer

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

(Check all applicable)

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

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

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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)	(Instr. 3,	ispose 4 and (A) or	d of (D) 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(D)	Price			
Common Stock	04/27/2005		M	955	A	\$0	8,635	D	
Common Stock	04/27/2005		D	955	D	\$ 52.29	7,680	D	

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 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)

(9-02)

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8. P Der Sec (Ins

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. Transacti Code (Instr. 8)	Derive Secur Acqui (A) or Dispo of (D)	sposed (D) str. 3, 4,		e	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
Stock Units	(1)	04/27/2005		M		955	(2)	(2)	Common Stock	955
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		
KREHBIEL FREDERICK A 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	X					

Signatures

L. M. Trusdell, as attorney-in-fact 04/29/2005

**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) 1-for-1
- (2) The Stock Units 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.

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