GRAINGER W W INC

Form 4 September 06, 2006

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

2. Issuer Name and Ticker or Trading

GRAINGER W W INC [GWW]

3. Date of Earliest Transaction

(Print or Type Responses)

1. Name and Address of Reporting Person * HAILEY V ANN

(First) (Last)

100 GRAINGER PARKWAY

(Street)

(Middle)

(Month/Day/Year) 09/01/2006

Symbol

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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

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

LAKE FOREST, IL 60045-5201 (City) (State) (Zip)

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 (Instr. 8)

Disposed of (D) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership Form: Direct (D) or Indirect Beneficial (Instr. 4)

Indirect Ownership (Instr. 4)

(9-02)

7. Nature of

(A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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)

1. Title of Derivative Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year) 4. 5. TransactionNumber Code of (Instr. 8) Derivative

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of 8. Price of **Underlying Securities** (Instr. 3 and 4)

Derivative Security (Instr. 5)

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	Derivative				Secu	ırities	3				
	Security				Acq	uired					
					(A)	or					
					Disp	osed					
					of (I	O)					
					(Inst	tr. 3,					
					4, ar	nd 5)					
			Code	V	(A)	(D)	Date	Expiration	Title	Amount	
							Exercisable	Date		or	
										Number	
										of	
										Shares	
Stock		00/01/0006			_		(2)	(2)	Common	2	.
Units	<u>(1)</u>	09/01/2006	A		3		(2)	(2)	Stock	3	\$ 66.8

Reporting Owners

Reporting Owner Name / Address	Relationships						
• 0	Director	10% Owner	Officer	Other			
HAILEY V ANN 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	X						

Signatures

L. M. Trusdell, as attorney-in-fact 09/06/2006

**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.

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