

GRAINGER W W INC  
Form 4  
August 03, 2006

**FORM 4**

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

OMB APPROVAL

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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)

1. Name and Address of Reporting Person \*  
SMITH HAROLD B

(Last) (First) (Middle)  
100 GRAINGER PARKWAY  
(Street)  
LAKE FOREST, IL 60045-5201  
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
GRAINGER W W INC [GWW]

3. Date of Earliest Transaction  
(Month/Day/Year)  
08/02/2006

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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**

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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 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 Ownership (Instr. 4)
Common Stock	08/02/2006		P	9,650 A	\$ 61.9 10,000	I	See footnote (2)
Common Stock	08/02/2006		P	150 A	\$ 62.41 10,150	I	See footnote (2)
Common Stock	08/02/2006		P	250 A	\$ 62.42 10,400	I	See footnote (2)
Common Stock	08/02/2006		P	300 A	\$ 62.43 10,700	I	See footnote (2)

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Common Stock	08/02/2006	P	500	A	\$ 62.45	11,200	I	See footnote (2)
Common Stock	08/02/2006	P	800	A	\$ 62.46	12,000	I	See footnote (2)
Common Stock	08/02/2006	P	700	A	\$ 62.47	12,700	I	See footnote (2)
Common Stock	08/02/2006	P	600	A	\$ 62.48	13,300	I	See footnote (2)
Common Stock	08/02/2006	P	450	A	\$ 62.49	13,750	I	See footnote (2)
Common Stock	08/02/2006	P	1,450	A	\$ 62.5	15,200	I	See footnote (2)
Common Stock	08/02/2006	P	350	A	\$ 62.51	15,550	I	See footnote (2)
Common Stock	08/02/2006	P	100	A	\$ 62.52	15,650	I	See footnote (2)
Common Stock	08/02/2006	P	50	A	\$ 62.53	15,700	I	See footnote (2)
Common Stock	08/02/2006	P	600	A	\$ 62.54	16,300	I	See footnote (2)
Common Stock	08/02/2006	P	50	A	\$ 62.56	16,350	I	See footnote (2)
Common Stock	08/02/2006	P	300	A	\$ 62.57	16,650	I	See footnote (2)
Common Stock	08/02/2006	P	700	A	\$ 62.58	17,350	I	See footnote (2)
Common Stock	08/02/2006	P	1,600	A	\$ 62.59	18,950	I	See footnote (2)
Common Stock	08/02/2006	P	250	A	\$ 62.6	19,200	I	See footnote

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								(2)	
Common Stock	08/02/2006		P	150	A	\$ 62.65	19,350	I	See footnote (2)
Common Stock	08/02/2006		P	100	A	\$ 62.66	19,450	I	See footnote (2)
Common Stock	08/02/2006		P	100	A	\$ 62.67	19,550	I	See footnote (2)
Common Stock	08/02/2006		P	100	A	\$ 62.7	19,650	I	See footnote (2)
Common Stock	08/02/2006		P	100	A	\$ 62.71	19,750	I	See footnote (2)
Common Stock	08/02/2006		P	250	A	\$ 62.75	20,000	I	See footnote (2)

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. Transaction Code (Instr. 8)	5. Number of Derivative 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)	8. Price or Value of Underlying Securities (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option	\$ 37.25					04/30/2000	04/29/2007	Common Stock	2,200
Stock	\$ 51.6875					04/29/2001	04/28/2008	Common	1,460

Option					Stock	
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
Stock Units	<u>(3)</u>		<u>(4)</u>	<u>(4)</u>	Common Stock	8,120

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SMITH HAROLD B 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	X			

## Signatures

L. M. Trusdell, as attorney-in-fact  
08/03/2006

    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).
- (2) Shares held by a trust of which I am a co-trustee and in which I have a beneficial interest.
- (3) 1-for-1
- (4) The stock units are expected to settle in cash following termination of service as a director.

### Remarks:

This Form 4 is the second of two Forms 4 to report all August 2, 2006 transactions by the reporting person.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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