GRAINGER W W INC

Form 3/A

January 03, 2007

FORM 3

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

MD

OMB APPROVAL

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INITIAL STATEMENT OF 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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement GRAINGER W W INC [GWW] CHEN YC (Month/Day/Year) 01/01/2007 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 100 GRAINGER PARKWAY 01/03/2007 (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) Director 10% Owner _X_ Form filed by One Reporting _X__ Officer _Other (give title below) (specify below) **LAKE** Form filed by More than One **Group President** FOREST, Â ILÂ 60045-5201 Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities (Instr. 4) Beneficially Owned Ownership Ownership (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Common Stock D Â 34,350 Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly.

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		Securities U	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D) or Indirect	

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				Shares		(I) (Instr. 5)	
Option	04/28/2002	04/27/2009	Common Stock	5,750	\$ 48.625	D	Â
Option	03/01/2003	02/28/2010	Common Stock	1,950	\$ 42.8125	D	Â
Option	04/26/2003	04/25/2010	Common Stock	7,100	\$ 43.5	D	Â
Option	(1)	04/25/2010	Common Stock	1,070	\$ 43.5	D	Â
Option	04/25/2007	04/24/2011	Common Stock	710	\$ 37.5	D	Â
Option	04/25/2004	04/24/2011	Common Stock	10,000	\$ 37.5	D	Â
Option	04/24/2005	04/23/2012	Common Stock	10,000	\$ 54.61	D	Â
Option	04/30/2006	04/29/2013	Common Stock	20,000	\$ 45.5	D	Â
Option	04/28/2007	04/27/2014	Common Stock	13,100	\$ 54.14	D	Â
Option	04/27/2008	04/26/2015	Common Stock	13,100	\$ 52.29	D	Â
Option	04/26/2009	04/25/2016	Common Stock	8,000	\$ 76.61	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other		
CHEN YC						
100 GRAINGER PARKWAY	Â	Â	Group President	Â		
LAKE FOREST, IL 60045-5201						

Signatures

L. M. Trusdell, as attorney-in-fact 01/03/2007

**Signature of Reporting Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Exercisable in four equal annual installments beginning 4/26/2001.

Reporting Owners 2

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Remarks:

The sole reason for the amendment is that the Power of Attorney was not attached to the origina

Exhibit List: Exhibit 24 - Power of Attorney

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.