GRAINGER W W INC

Form 4

January 29, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number:

OMB APPROVAL

January 31, Expires: 2005

0.5

of

See

(2)

Footnote

Estimated average burden hours per response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

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).

Common

Common

Stock

Stock

01/26/2007

(Print or Type Responses)

1. Name and A LOUX P OC	-	2. Issuer Name and Ticker or Trading Symbol GRAINGER W W INC [GWW]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last)	(First) (N	Middle)	3. Date of Earliest Transaction			(Check an applicable)			
100 GRAINGER PARKWAY			(Month/Da 01/26/20	•		Director 10% Owner Self-cert (give title Other (specify below)			
(Street)			4. If Amer	ndment, Da	te Original	6. Individual or Joint/Group Filing(Check			
LAKE FOR		Filed(Mon	th/Day/Year)		Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table	e I - Non-D	erivative Securities Acc	quired, Disposed o	of, or Beneficial	lly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Date, if	3. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)	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

3,000

 $S^{(1)}$

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Reported

32,704

400

Transaction(s) (Instr. 3 and 4)

D

Ι

(A)

(D)

D

Price

73.5

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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. onNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pri Deriv Secur (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Option	\$ 51.6875					04/29/2001	04/28/2008	Common Stock	13,500	
Option	\$ 48.625					04/28/2002	04/27/2009	Common Stock	24,300	
Option	\$ 42.8125					03/01/2003	02/28/2010	Common Stock	6,870	
Option	\$ 43.5					04/26/2003	04/25/2010	Common Stock	27,980	
Option	\$ 43.5					<u>(3)</u>	04/25/2010	Common Stock	4,200	
Option	\$ 37.5					04/25/2004	04/24/2011	Common Stock	40,000	
Option	\$ 37.5					04/25/2007	04/24/2011	Common Stock	2,800	
Option	\$ 54.61					04/24/2005	04/23/2012	Common Stock	45,000	
Option	\$ 45.5					04/30/2006	04/29/2013	Common Stock	45,000	
Option	\$ 54.14					04/28/2007	04/27/2014	Common Stock	20,000	
Option	\$ 52.29					04/27/2008	04/26/2015	Common Stock	19,000	
Option	\$ 76.61					04/26/2009	04/25/2016	Common Stock	15,000	

Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners 2

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Director 10% Owner Officer Other

LOUX P OGDEN 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201

Sr. VP, Finance and CFO

Signatures

L. M. Trusdell, as attorney-in-fact 01/29/2007

**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) Sale pursuant to a previously adopted Rule 10b5-1 trading program.
- (2) Shares held by reporting person's wife. The reporting person disclaims beneficial ownership of these shares.
- (3) Exercisable in four equal annual installments beginning 4/26/2001.

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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