

GRAINGER W W INC

Form 4

January 29, 2007

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
LOUX P OGDEN

(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)
01/26/2007

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

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

Sr. VP, Finance and CFO

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

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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	01/26/2007		S ⁽¹⁾	V Amount (D) Price 3,000 D \$ 73.5	32,704	D	
Common Stock					400	I	See Footnote (2)

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

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SEC 1474
(9-02)

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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. Pri Deriv Secur (Instr
				Code	V	(A)	(D)	
Option	\$ 51.6875					04/29/2001	04/28/2008	Common Stock
Option	\$ 48.625					04/28/2002	04/27/2009	Common Stock
Option	\$ 42.8125					03/01/2003	02/28/2010	Common Stock
Option	\$ 43.5					04/26/2003	04/25/2010	Common Stock
Option	\$ 43.5					(3)	04/25/2010	Common Stock
Option	\$ 37.5					04/25/2004	04/24/2011	Common Stock
Option	\$ 37.5					04/25/2007	04/24/2011	Common Stock
Option	\$ 54.61					04/24/2005	04/23/2012	Common Stock
Option	\$ 45.5					04/30/2006	04/29/2013	Common Stock
Option	\$ 54.14					04/28/2007	04/27/2014	Common Stock
Option	\$ 52.29					04/27/2008	04/26/2015	Common Stock
Option	\$ 76.61					04/26/2009	04/25/2016	Common Stock

Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners

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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.

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