

GRAINGER W W INC
Form 4
April 27, 2007

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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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 *
ANDERSON BRIAN P

(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)
04/25/2007

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 | | | | (A) or (D) | 4,340 | D | |

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

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SEC 1474 (9-02)

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

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| 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. P | | | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|------------------|-----------------|--------------|----------------------------|----|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Stock Units | (1) | 04/25/2007 | | A | | 730 | | (2) | (2) | Common Stock | 730 | \$ |
| 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 | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| ANDERSON BRIAN P 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201 | X | | | |

Signatures

L. M. Trusdell, as attorney-in-fact 04/27/2007

__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) 1-for-1

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(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.

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