

CARRUTHERS COURT D  
Form 4  
July 30, 2010

**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 \*  
CARRUTHERS COURT D

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) (Middle)  
100 GRAINGER PARKWAY  
  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
07/30/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
Sr. Vice President

LAKE FOREST, IL 60045-5201  
  
(City) (State) (Zip)

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

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	07/30/2010		M		3,000 A \$ 76.61	18,711	D
Common Stock	07/30/2010		M		4,300 A \$ 83.08	23,011	D
Common Stock	07/30/2010		S		4,300 D \$ 111.411	18,711	D
Common Stock	07/30/2010		S		900 D \$ 111.412	17,811	D
Common Stock	07/30/2010		S		300 D \$ 111.422	17,511	D

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Common Stock 07/30/2010 S 1,800 D \$ 111,424 15,711 D

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

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(9-02)

**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. Amount or Number of Shares		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Option	\$ 76.61	07/30/2010		M		3,000		04/26/2009	04/25/2016	Common Stock	3,000
Option	\$ 83.08	07/30/2010		M		4,300		04/25/2010	04/24/2017	Common Stock	4,300
Option	\$ 85.82							04/30/2011	04/29/2018	Common Stock	8,000
Option	\$ 81.49							04/29/2012	04/28/2019	Common Stock	30,000
Option	\$ 108.15							04/28/2013	04/27/2020	Common Stock	29,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CARRUTHERS COURT D 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201			Sr. Vice President	

## Signatures

C. L. Kogl, as attorney-in-fact 07/30/2010

\_\_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).

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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