CARRUTHERS COURT D

Form 4 June 20, 2012

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

(Print or Type Responses)

(Last)

1. Name and Address of Reporting Person * CARRUTHERS COURT D

(Middle)

100 GRAINGER PARKWAY

LAKE FOREST, IL 60045-5201

(Street)

(First)

2. Issuer Name and Ticker or Trading Symbol

GRAINGER W W INC [GWW]

3. Date of Earliest Transaction (Month/Day/Year) 06/19/2012

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

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

(City) (State) (Zip) Table I. Non-Derivative Securities Acquired Disposed of or Reneficially Ov

(City)	(State)	Table 1 - Non-Derivative Securities Acquir					irea, 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) our Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)		
Common Stock	06/19/2012		M	5,000	A	\$ 81.49	29,166	D		
Common Stock	06/19/2012		S	100	D	\$ 187.55	29,066	D		
Common Stock	06/19/2012		S	100	D	\$ 187.57	28,966	D		
Common Stock	06/19/2012		S	100	D	\$ 187.59	28,866	D		
Common Stock	06/19/2012		S	200	D	\$ 187.6	28,666	D		

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Common Stock	06/19/2012	S	325	D	\$ 187.64 28,341	D
Common Stock	06/19/2012	S	100	D	\$ 187.65 28,241	D
Common Stock	06/19/2012	S	200	D	\$ 187.66 28,041	D
Common Stock	06/19/2012	S	375	D	\$ 187.69 27,666	D
Common Stock	06/19/2012	S	100	D	\$ 187.7 27,566	D
Common Stock	06/19/2012	S	200	D	\$ 187.71 27,366	D
Common Stock	06/19/2012	S	100	D	\$ 187.72 27,266	D
Common Stock	06/19/2012	S	200	D	\$ 187.8 27,066	D
Common Stock	06/19/2012	S	200	D	\$ 187.81 26,866	D
Common Stock	06/19/2012	S	100	D	\$ 187.811 26,766	D
Common Stock	06/19/2012	S	200	D	\$ 187.82 26,566	D
Common Stock	06/19/2012	S	200	D	\$ 187.83 26,366	D
Common Stock	06/19/2012	S	200	D	\$ 187.84 26,166	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)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number	6. Date Exercisable and	7. Title and Amount of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	nof Derivative	Expiration Date	Underlying Securities]
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired			(
	Derivative				(A) or			
	Security				Disposed of			
					(D)			
					(Instr. 3, 4,			

and 5)

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			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Option	\$ 81.49	06/19/2012	M			5,000	04/29/2012	04/28/2019	Common Stock	5,000
Option	\$ 108.15						04/28/2013	04/27/2020	Common Stock	29,000
Option	\$ 149.02						04/27/2014	04/26/2021	Common Stock	24,876
Option	\$ 204.01						04/25/2015	04/24/2022	Common Stock	16,923

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

Aimee M. Nolan, as attorney-in-fact

06/20/2012

**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).

Remarks:

This is the first of two Forms 4 to report all June 19, 2012 transactions for the reporting person.

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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