GRAINGER W W INC

Form 4

January 16, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

Form filed by More than One Reporting

Person

January 31, 2005

0.5

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

may continue.

See Instruction

Check this box

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).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading CARRUTHERS COURT D Issuer Symbol GRAINGER W W INC [GWW] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 100 GRAINGER PARKWAY 01/14/2014 below) Sr. Vice President (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

LAKE FOREST, IL 60045-5201

(City)	(State)	(Zip) 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)	Code (Instr. 8)	(A) or			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	01/14/2014		Code V $M_{\underline{(1)}}$	Amount 5,000	(D)	Price \$ 81.49	27,952	D		
Common Stock	01/14/2014		S <u>(1)</u>	100	D	\$ 258.22	27,852	D		
Common Stock	01/14/2014		S(1)	400	D	\$ 258.47	27,452	D		
Common Stock	01/14/2014		S(1)	100	D	\$ 258.485	27,352	D		
Common Stock	01/14/2014		S <u>(1)</u>	100	D	\$ 258.52	27,252	D		

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Common Stock	01/14/2014	S <u>(1)</u>	300	D	\$ 258.57 26,952	D
Common Stock	01/14/2014	S <u>(1)</u>	100	D	\$ 258.69 26,852	D
Common Stock	01/14/2014	S <u>(1)</u>	200	D	\$ 258.73 26,652	D
Common Stock	01/14/2014	S <u>(1)</u>	100	D	\$ 258.85 26,552	D
Common Stock	01/14/2014	S <u>(1)</u>	400	D	\$ 258.88 26,152	D
Common Stock	01/14/2014	S <u>(1)</u>	500	D	\$ 258.9 25,652	D
Common Stock	01/14/2014	S <u>(1)</u>	36	D	\$ 258.91 25,616	D
Common Stock	01/14/2014	S <u>(1)</u>	100	D	\$ 258.95 25,516	D
Common Stock	01/14/2014	S <u>(1)</u>	200	D	\$ 259.01 25,316	D
Common Stock	01/14/2014	S <u>(1)</u>	200	D	\$ 259.06 25,116	D
Common Stock	01/14/2014	S <u>(1)</u>	100	D	\$ 259.16 25,016	D
Common Stock	01/14/2014	S <u>(1)</u>	400	D	\$ 259.17 24,616	D
Common Stock	01/14/2014	S <u>(1)</u>	300	D	\$ 259.21 24,316	D
Common Stock	01/14/2014	S <u>(1)</u>	59	D	\$ 259.22 24,257	D
Common Stock	01/14/2014	S(1)	100	D	\$ 259.38 24,157	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 Derivative		3. Transaction Date (Month/Day/Year)				6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities]
•	or Exercise Price of	`	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired	(Month/Day/Year)	(Instr. 3 and 4)	;

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	Derivative Security				(D)	osed of r. 3, 4,				
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option	\$ 81.49	01/14/2014	M(1)			5,000	04/29/2012	04/28/2019	Common Stock	5,000
Stock Option	\$ 108.15						04/28/2013	04/27/2020	Common Stock	29,000
Stock Option	\$ 149.02						04/27/2014	04/26/2021	Common Stock	24,876
Stock Option	\$ 204.01						04/25/2015	04/24/2022	Common Stock	16,923
Stock Option	\$ 245.86						04/24/2016	04/23/2023	Common Stock	15,741

Reporting Owners

Reporting Owner Name / Address	Relationships							
r	Director	10% Owner	Officer	Other				
CARRUTHERS COURT D								

100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201

Sr. Vice President

Signatures

David L. Rawlinson, as attorney-in-fact 01/16/2014

**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) Transaction pursuant to a previously adopted Rule 10b5-1 trading program.

Remarks:

This is the first of two Forms 4 to report all 1/14/2014 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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