GRAINGER W W INC

Form 4

December 22, 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 January 31,

OMB APPROVAL

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Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations may continue. See Instruction

(Middle)

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(b).

(Last)

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

(First)

2. Issuer Name and Ticker or Trading

Symbol

GRAINGER W W INC [GWW]

3. Date of Earliest Transaction

12/22/2014

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

100 GRAINGER PARKWAY

(Month/Day/Year)

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

Sr. VP & Group President

(Street)

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

LAKE FOREST, IL 60045

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secu	rities Acqu	ired, Disposed of	, or Beneficiall	y 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. Securi on(A) or Di (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	12/22/2014		S	1,800	D	\$ 256.48	28,581	D	
Common Stock	12/22/2014		S	130	D	\$ 256.5	28,451	D	
Common Stock	12/22/2014		S	441	D	\$ 256.53	28,010	D	
Common Stock	12/22/2014		S	100	D	\$ 256.54	27,910	D	
Common Stock	12/22/2014		S	383	D	\$ 256.55	27,527	D	

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Common Stock	12/22/2014	S	261	D	\$ 256.57	27,266	D
Common Stock	12/22/2014	S	100	D	\$ 256.59	27,166	D
Common Stock	12/22/2014	S	156	D	\$ 256.6	27,010	D
Common Stock	12/22/2014	S	97	D	\$ 256.61	26,913	D
Common Stock	12/22/2014	S	3	D	\$ 256.65	26,910	D
Common Stock	12/22/2014	S	169	D	\$ 256.66	26,741	D
Common Stock	12/22/2014	S	161	D	\$ 256.69	26,580	D
Common Stock	12/22/2014	S	70	D	\$ 256.7	26,510	D
Common Stock	12/22/2014	S	100	D	\$ 256.71	26,410	D
Common Stock	12/22/2014	S	400	D	\$ 256.72	26,010	D
Common Stock	12/22/2014	S	200	D	\$ 256.74	25,810	D
Common Stock	12/22/2014	S	100	D	\$ 256.75	25,710	D
Common Stock	12/22/2014	S	250	D	\$ 256.76	25,460	D
Common Stock	12/22/2014	S	100	D	\$ 256.77	25,360	D
Common Stock	12/22/2014	S	113	D	\$ 256.78	25,247	D
Common Stock	12/22/2014	S	199	D	\$ 256.8	25,048	D
Common Stock	12/22/2014	S	200	D	\$ 256.81	24,848	D
Common Stock	12/22/2014	S	31	D	\$ 256.85	24,817	D
Common Stock	12/22/2014	S	69	D	\$ 256.88	24,748	D
Common Stock	12/22/2014	S	100	D	\$ 256.89	24,648	D

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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.	6. Date Exer	cisable and	7. Title	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transact	iorNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secu
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									or		
						Date	Expiration		Number		
						Exercisable	Date		of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships

10% Owner Officer Director Other

CARRUTHERS COURT D 100 GRAINGER PARKWAY LAKE FOREST, IL 60045

Sr. VP & Group President

Signatures

Aimee L. Nolan, as attorney-in-fact

12/22/2014

**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).

Remarks:

This is the second of three Forms 4 to report all December 22, 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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