Brown Laura D Form 4 January 12, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number:

Expires:

January 31, 2005

0.5

Estimated average burden hours per

response...

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

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)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Brown Laura 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 01/11/2018 below) Sr. VP, Inv Rel & Comm (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 Form filed by More than One Reporting LAKE FOREST, IL 60045 Person

(City)	(State)	(Zip) Tak	ole I - Non-	Derivativ	e Secu	rities Acquir	ed, 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)		esed of 4 and (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	01/11/2018		M(1)	6,789	A	\$ 149.02	16,893	D	
Common Stock	01/11/2018		S <u>(1)</u>	1,000	D	\$ 233.063 (2)	15,893	D	
Common Stock	01/11/2018		S <u>(1)</u>	400	D	\$ 234.1675 (3)	15,493	D	
Common Stock	01/11/2018		S <u>(1)</u>	600	D	\$ 235.6002 (4)	14,893	D	
	01/11/2018		S <u>(1)</u>	1,400	D		13,493	D	

Edgar Filing: Brown Laura D - Form 4

Common Stock					\$ 231.9561 (5)		
Common Stock	01/11/2018	S <u>(1)</u>	600	D	\$ 232.8267 (6)	12,893	D
Common Stock	01/11/2018	S <u>(1)</u>	2,789	D	\$ 232.5	10,104	D
Common Stock	01/11/2018	S <u>(1)</u>	400	D	\$ 232.77 (7)	9,704	D
Common Stock	01/11/2018	S <u>(1)</u>	300	D	\$ 233.7167 (8)	9,404	D
Common Stock	01/11/2018	S <u>(1)</u>	300	D	\$ 235.4967 (9)	9,104	D
Common Stock	01/11/2018	S <u>(1)</u>	1,169	D	\$ 231.9882 (10)	7,935	D
Common Stock	01/11/2018	S <u>(1)</u>	200	D	\$ 232.72	7,735	D

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

(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. Transactic 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option	\$ 149.02	01/11/2018		M(1)	6,789	04/27/2014	04/26/2021	Common Stock	6,789
	\$ 204.01					04/25/2015	04/24/2022		5,208

Edgar Filing: Brown Laura D - Form 4

Stock Option				Common Stock	
Stock Option	\$ 245.86	04/24/2016	04/23/2023	Common Stock	4,197
Stock Option	\$ 248.22	04/30/2017	04/29/2024	Common Stock	3,271
Stock Option	\$ 231.88	04/01/2018	03/31/2025	Common Stock	3,807
Stock Option	\$ 234.38	04/01/2019	03/31/2026	Common Stock	4,766
Stock Option	\$ 231.2	04/03/2020	04/02/2027	Common Stock	3,311

Reporting Owners

Reporting Owner Name / Address	eporting Owner Name / Address			
	Director	10% Owner	Officer	Other

Brown Laura D

100 GRAINGER PARKWAY LAKE FOREST, IL 60045 Sr. VP, Inv Rel & Comm

Signatures

Hugo Dubovoy, Jr., as attorney-in-fact 01/12/2018

**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.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$232.62 to \$233.57, inclusive. The reporting person undertakes to provide W.W. Grainger, Inc., any security holder of W.W. Grainger, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes (2), (3), (4), (5), (6), (7), (8), (9), and (10) to this Form 4.
- (3) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$233.74 to \$234.71, inclusive.
- (4) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$235.28 to \$235.92, inclusive.
- (5) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$231.62 to \$232.60, inclusive.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$232.64 to \$233.25, inclusive.
- (7) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$232.53 to \$233.11, inclusive.

(8)

Reporting Owners 3

Edgar Filing: Brown Laura D - Form 4

The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$233.57 to \$233.84, inclusive.

- (9) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$235.28 to \$235.70, inclusive.
- (10) The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$231.71 to \$232.33, inclusive.

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.