HOBOR NANCY A Form 4 April 27, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or

SECURITIES Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations may continue.

See Instruction 1(b).

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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **HOBOR NANCY A** Issuer Symbol GRAINGER W W INC [GWW] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 100 GRAINGER PARKWAY 04/27/2009 below) below) Sr VP-Communications & Inv Rel (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year)

LAKE FOREST, IL 60045-5201

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Form: Direct Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or Beneficial Owned Indirect (I) Ownership (Month/Day/Year) (Instr. 8) Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) V Amount (D) Price Common 04/27/2009 F 742 D 27,438 D 82.09 Stock

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 (9-02)required to respond unless the form displays a currently valid OMB control number.

Applicable Line)

Person

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

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Dr. Dr. Dr. Dr. Dr. Dr. Dr. Dr. Dr. Dr			(Instr. 3 and 4)		8. Prio Deriv Secur (Instr.
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Option	\$ 54.14					04/28/2007	04/27/2014	Common Stock	9,000	
Option	\$ 52.29					04/27/2008	04/26/2015	Common Stock	8,000	
Option	\$ 76.61					04/26/2009	04/25/2016	Common Stock	5,000	
Option	\$ 83.08					04/25/2010	04/24/2017	Common Stock	6,000	
Option	\$ 85.82					04/30/2011	04/29/2018	Common Stock	6,000	

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

HOBOR NANCY A 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201

Sr VP-Communications & Inv Rel

Signatures

C. L. Kogl, as

04/27/2009 attorney-in-fact

**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. 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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