GRAINGER W W INC Form SC 13G/A February 01, 2011

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 4)

W.W. GRAINGER, INC.
(Name of Issuer)
Common Stock (par value \$.50 per share)
(Title of Class of Securities)
384802-10-4
(CUSIP Number)
December 31, 2010

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- 0 Rule 13d-1(b)
- 0 Rule 13d-1(c)
- þ Rule 13d-1(d)

	IP No. Names of Repo	384802–10–4 rting Persons. I.R.S.	Identification Nos.	of above persons (entities o	nly)
	James D. Slavil	ζ			
2.					(a) 0 (b)]
3.	. SEC Use Only				
4.	. Citizenship or Place of Organization				
	USA				
	Numb	per of	5.	Sole Voting Power	
	Shar	res		1,660,909	
	Benefi	cially	6.	Shared Voting Power	
	Owned by Each Reporting Person With		7.	2,510,088 Sole Dispositive Power	
			8.	1,660,909 Shared Dispositive Power	
			0.	2,510,088	
9.	Aggregate Amo	ount Beneficially Ow	ned by Each Repor	rting Person	
	4,170,997				

10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) þ
	705,046
11.	Percent of Class Represented by Amount in Row (9)
	6.04%
12.	Type of Reporting Person (See Instructions)
	IN

Team 1			
Item 1.	(a)	Name of Issuer	
	(b)	W.W. GRAINGER, INC Address of Issuer's Princ	
		100 Grainger Parkway Lake Forest, Illinois 600	45
L 2			
Item 2.	(a)	Name of Person Filing	
		James D. Slavik	
	(b)	Address of Principal Bus	siness Office or, if none, Residence
		100 Bayview Circle, Sui Newport Beach, Californ	
	(c)	Citizenship	
		USA	
	(d)	Title of Class of Securiti	es
		Common Stock (par valu	ue \$.50 per share)
	(e)	CUSIP Number	
		384802-10-4	
Item 3.	If this statement is filing is a:	s filed pursuant to §\$240.1	13d-1(b) or 240.13d-2(b) or (c), check whether the person
	(a)	o	Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
	(b)	o	Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
	(c)	o	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
	(d)	o	Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).
	(e)	o	

An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);

(f) o

An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);

(g)	o	_	A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);	
(h)	0	A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);		
(i)	O	comp	A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);	
(j)	O	Grou	Group, in accordance with §240.13d-1(b)(1)(ii)(J).	
Item 4.	Ownership			
Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.				
	(a)	Amount beneficially	owned:	
	(b)	4,170,997 Percent of class:		
	(c)	6.04% Number of shares as	to which the person has	s:
		(i)	Sole po	wer to vote or to direct the vote
		(ii)	1,660,9 Shared	09 power to vote or to direct the vote
		(iii)	2,510,0 Sole po disposit	wer to dispose or to direct the
		(iv)	1,660,9 Shared disposit	power to dispose or to direct the

2,510,088

Item 5.	Ownership of Five Percent or Less of a Class	
	he fact that as of the date hereof the reporting person has ceased to be the nt of the class of securities, check the following	
Item 6.	Ownership of More than Five Percent on Behalf of Another Person	
Not applicable.		
Item 7.	Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person	
Not applicable.		
Item 8.	Identification and Classification of Members of the Group	
Not applicable.		
Item 9.	Notice of Dissolution of Group	
Not applicable.		
Item 10.	Certification	
Not applicable.		

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

January 27, 2011 Date /s/James D. Slavik Signature

James D. Slavik Name