GRAINGER DAVID W

Form 4

December 12, 2005

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

if no longer

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

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** GRAINGER DAVID W			2. Issuer Name and Ticker or Trading Symbol GRAINGER W W INC [GWW]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
100 GRAINGER PARKWAY			(Month/Day/Year) 12/09/2005	_X_ Director 10% Owner Officer (give title below) Other (specify below)			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
I VAE EUDE	ST II 600	M5 5201	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
LAKE FOREST, IL 60045-5201				Person			

LAKE FUKES 1, IL 00043-3201

(City)	(State)	(Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securion(A) or D (Instr. 3,	ispose	d of (D)	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			Code V	Amount	(D)	Price	(IIISu. 3 and 4)		
Stock	12/09/2005		S	2,200	D	\$ 70	6,869,555	D	
Common Stock	12/09/2005		S	1,300	D	\$ 70.01	6,868,255	D	
Common Stock	12/09/2005		S	1,700	D	\$ 70.02	6,866,555	D	
Common Stock	12/09/2005		S	1,500	D	\$ 70.03	6,865,055	D	
Common Stock	12/09/2005		S	1,000	D	\$ 70.04	6,864,055	D	
	12/09/2005		S	1,300	D		6,862,755	D	

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Common Stock					\$ 70.05		
Common Stock	12/09/2005	S	1,300	D	\$ 70.06	6,861,455	D
Common Stock	12/09/2005	S	700	D	\$ 70.07	6,860,755	D
Common Stock	12/09/2005	S	1,100	D	\$ 70.08	6,859,655	D
Common Stock	12/09/2005	S	500	D	\$ 70.09	6,859,155	D
Common Stock	12/09/2005	S	900	D	\$ 70.1	6,858,255	D
Common Stock	12/09/2005	S	700	D	\$ 70.11	6,857,555	D
Common Stock	12/09/2005	S	1,100	D	\$ 70.13	6,856,455	D
Common Stock	12/09/2005	S	700	D	\$ 70.14	6,855,755	D
Common Stock	12/09/2005	S	900	D	\$ 70.15	6,854,855	D
Common Stock	12/09/2005	S	100	D	\$ 70.16	6,854,755	D
Common Stock	12/09/2005	S	300	D	\$ 70.17	6,854,455	D
Common Stock	12/09/2005	S	2,700	D	\$ 70.18	6,851,755	D
Common Stock	12/09/2005	S	1,800	D	\$ 70.19	6,849,955	D
Common Stock	12/09/2005	S	3,100	D	\$ 70.2	6,846,855	D
Common Stock	12/09/2005	S	400	D	\$ 70.21	6,846,455	D
Common Stock	12/09/2005	S	300	D	\$ 70.22	6,846,155	D
Common Stock	12/09/2005	S	200	D	\$ 70.23	6,845,955	D
Common Stock	12/09/2005	S	800	D	\$ 70.24	6,845,155	D
Common Stock	12/09/2005	S	2,100	D	\$ 70.25	6,843,055	D
	12/09/2005	S	400	D		6,842,655	D

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Common Stock					\$ 70.26		
Common Stock	12/09/2005	S	300	D	\$ 70.27	6,842,355	D
Common Stock	12/09/2005	S	1,053	D	\$ 70.28	6,841,302	D
Common Stock	12/09/2005	S	400	D	\$ 70.29	6,840,902	D
Common Stock	12/09/2005	S	1,299	D	\$ 70.3	6,839,603	D

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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	8	ate	7. Titl Amou Under Securi (Instr.	ınt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secun Bene Owno Follo Repo Trans (Instr
			Code V	,	Date Exercisable	Expiration Date		Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
rr a g a m a m a m a m a m	Director	10% Owner	Officer	Other			
GRAINGER DAVID W 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	X						
O' .							

Signatures

L. M. Trusdell, as attorney-in-fact 12/12/2005

Reporting Owners 3

**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 Form 4 is the first of two Forms 4 to report all December 9, 2005 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.

Signatures 4