GRAINGER DAVID W

Form 4

December 13, 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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response...

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

may continue.

See Instruction

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).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * **GRAINGER DAVID W**

(First)

(Street)

12/12/2005

2. Issuer Name and Ticker or Trading Symbol

GRAINGER W W INC [GWW]

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

12/12/2005

(Check all applicable)

_X__ Director Officer (give title

10% Owner Other (specify

below)

6. Individual or Joint/Group Filing(Check Applicable Line)

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

D

Person

100 GRAINGER PARKWAY

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

LAKE FOREST, IL 60045-5201

(City)	(State)	(Zip) Tabl	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)	Code (Instr. 8)	Transaction(A) or Disposed of Code (Instr. 3, 4 and 5) (Instr. 8) (A) or		d of (D) 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership 7. Nature Form: Direct Indirect (D) or Beneficia Indirect (I) Ownersh (Instr. 4)	
Common Stock	12/12/2005		Code V S	Amount 100	(D)	Price \$ 70.25	6,821,555	D	
Common Stock	12/12/2005		S	100	D	\$ 70.27	6,821,455	D	
Common Stock	12/12/2005		S	200	D	\$ 70.36	6,821,255	D	
Common Stock	12/12/2005		S	100	D	\$ 70.37	6,821,155	D	
Common Stock	12/12/2005		S	300	D	\$ 70.38	6,820,855	D	

100

D

\$ 70.4 6,820,755

S

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Common Stock							
Common Stock	12/12/2005	S	100	D	\$ 70.41	6,820,655	D
Common Stock	12/12/2005	S	100	D	\$ 70.42	6,820,555	D
Common Stock	12/12/2005	S	300	D	\$ 70.45	6,820,255	D
Common Stock	12/12/2005	S	200	D	\$ 70.46	6,820,055	D
Common Stock	12/12/2005	S	100	D	\$ 70.47	6,819,955	D
Common Stock	12/12/2005	S	200	D	\$ 70.48	6,819,755	D
Common Stock	12/12/2005	S	200	D	\$ 70.49	6,819,555	D
Common Stock	12/12/2005	S	500	D	\$ 70.5	6,819,055	D
Common Stock	12/12/2005	S	400	D	\$ 70.51	6,818,655	D
Common Stock	12/12/2005	S	300	D	\$ 70.52	6,818,355	D
Common Stock	12/12/2005	S	100	D	\$ 70.54	6,818,255	D
Common Stock	12/12/2005	S	100	D	\$ 70.55	6,818,155	D
Common Stock	12/12/2005	S	100	D	\$ 70.56	6,818,055	D
Common Stock	12/12/2005	S	200	D	\$ 70.57	6,817,855	D
Common Stock	12/12/2005	S	600	D	\$ 70.58	6,817,255	D
Common Stock	12/12/2005	S	200	D	\$ 70.59	6,817,055	D
Common Stock	12/12/2005	S	100	D	\$ 70.6	6,816,955	D
Common Stock	12/12/2005	S	100	D	\$ 70.61	6,816,855	D
Common Stock	12/12/2005	S	200	D	\$ 70.62	6,816,655	D
	12/12/2005	S	100	D		6,816,555	D

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Common Stock					\$ 70.63		
Common Stock	12/12/2005	S	200	D	\$ 70.64	6,816,355	D
Common Stock	12/12/2005	S	100	D	\$ 70.65	6,816,255	D
Common Stock	12/12/2005	S	400	D	\$ 70.66	6,815,855	D
Common Stock	12/12/2005	S	500	D	\$ 70.67	6,815,355	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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title : Amount Underly Securitic (Instr. 3	of ing es	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
					(Instr. 3, 4, and 5)						
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	lumber		

Reporting Owners

Reporting Owner Name / Address	Relationships							
1 0	Director	10% Owner	Officer	Other				
GRAINGER DAVID W 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201	X							
Cianaturas								

Signatures

L. M. Trusdell, as attorney-in-fact 12/13/2005

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 12, 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