RYAN JAMES T Form 4 April 29, 2005

FORM 4

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

OMB 3235-0287 Number:

Estimated average

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

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OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

burden hours per response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** RYAN JAMES T	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First) (Middle)	GRAINGER W W INC [GWW] 3. Date of Earliest Transaction	(Check all applicable)		
100 GRAINGER PARKWAY	(Month/Day/Year) 04/27/2005	Director 10% Owner Selow) Officer (give title below) Delow) Group President		
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
LAKE FOREST, IL 60045-5201		Form filed by More than One Reporting Person		

(State)

(Zip)

(City)

(- · 3)	()	1 able	: 1 - Non-De	erivative Sec	curities A	cquirea, Disposea	or, or Beneficia	lly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securitie	es	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	onAcquired (A	A) or	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Disposed o	of (D)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	and 5)	Owned	Indirect (I)	Ownership
						Following	(Instr. 4)	(Instr. 4)
					/ A N	Reported		
					(A)	Transaction(s)		
			α 1 α		or	(Instr. 3 and 4)		
~			Code V		(D) Pric	2		
Common	04/27/2005		A	9,000	A \$0	57,713	D	
Stock				(1)		, -		

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.

Table I Non Desirative Securities Assuring Disposed of an Deservicelly O

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)	e 3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of Derivative Securities Acquired or Dispose (D) (Instr. 3, and 5)	ve es d (A) sed of	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
Option	\$ 51.6875						04/29/2001	04/28/2008	Common Stock	7,180
Option	\$ 48.625						04/28/2002	04/27/2009	Common Stock	8,790
Option	\$ 42.8125						03/01/2003	02/28/2010	Common Stock	3,240
Option	\$ 43.5						<u>(2)</u>	04/25/2010	Common Stock	20,000
Option	\$ 37.5						04/25/2007	04/24/2011	Common Stock	50,000
Option	\$ 54.61						04/24/2005	04/23/2012	Common Stock	30,000
Option	\$ 45.5						04/30/2006	04/29/2013	Common Stock	30,000
Option	\$ 54.14						04/28/2007	04/27/2014	Common Stock	20,000
Option	\$ 52.29	04/27/2005		A	27,000		04/27/2008	04/26/2015	Common Stock	27,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
Treporting of their France / F	Director	10% Owner	Officer	Other			
RYAN JAMES T 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201			Group President				
Signatures							
L. M. Trusdell, as attorney-in-fact	04/	29/2005					
**Signature of Reporting Person		Date					

Reporting Owners 2

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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) Award of restricted stock units to be settled after vesting by the delivery of unrestricted shares of common stock on a one-for-one basis.
- (2) Exercisable in four equal annual installments beginning 4/26/2001.

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.