GRAINGER Form 4												
October 17, FORN	ЛЛ									OMB AP	PROVAL	
	• • UNITED	STATES				ND EX D.C. 20		NGE C	OMMISSION	OMB Number:	3235-0287	
Check th if no long subject to Section 1 Form 4 c Form 5 obligatio may com	ger o 16. or Filed pur ons tinue.	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, ection 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940								Expires: January 31, 2005 Estimated average burden hours per response 0.5		
See Instr 1(b).	uction	50(11)	or the m	, estin	Unit	compu	.,		, ,			
(Print or Type]	Responses)											
	Address of Reporting	Person <u>*</u>	Symbol			Ticker or			5. Relationship of I Issuer	Reporting Perso	on(s) to	
(Last)	(First) (I	Middle)				ansaction		۷J	(Check	all applicable))	
(Mont				th/Day/Year) 6/2013					Director 10% Owner X Officer (give title Other (specify below) below) Sr. Vice President			
	(Street)		4. If Ame Filed(Mor			te Origina)	.1		6. Individual or Joi Applicable Line) _X_ Form filed by O	ne Reporting Per	son	
LAKE FOR	REST, IL 60045-5	201							Form filed by Mo Person	ore than One Rej	porting	
(City)	(State)	(Zip)	Tab	e I - No	on-D	erivative	Secur	ities Acqu	iired, Disposed of,	or Beneficiall	y Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deem Execution any (Month/D	n Date, if	Code (Instr.	8)	4. Securi n(A) or Di (Instr. 3, Amount	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 Stock	10/16/2013			M <u>(1)</u>		5,000	А	\$ 81.49	27,952	D		
Common Stock	10/16/2013			S <u>(1)</u>		200	D	\$ 253.25	27,752	D		
Common Stock	10/16/2013			S <u>(1)</u>		100	D	\$ 253.32	27,652	D		
Common Stock	10/16/2013			S <u>(1)</u>		100	D	\$ 253.36	27,552	D		
Common Stock	10/16/2013			S <u>(1)</u>		100	D	\$ 253.56	27,452	D		

Common Stock	10/16/2013	S <u>(1)</u>	300	D	\$ 253.83	27,152	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 253.95	27,052	D
Common Stock	10/16/2013	S <u>(1)</u>	450	D	\$ 254	26,602	D
Common Stock	10/16/2013	S <u>(1)</u>	500	D	\$ 254.05	26,102	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 254.77	26,002	D
Common Stock	10/16/2013	S <u>(1)</u>	250	D	\$ 254.78	25,752	D
Common Stock	10/16/2013	S <u>(1)</u>	200	D	\$ 254.87	25,552	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 254.92	25,452	D
Common Stock	10/16/2013	S <u>(1)</u>	400	D	\$ 254.98	25,052	D
Common Stock	10/16/2013	S <u>(1)</u>	200	D	\$ 255.05	24,852	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 255.63	24,752	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 255.99	24,652	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 256	24,552	D
Common Stock	10/16/2013	S <u>(1)</u>	80	D	\$ 256.34	24,472	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 256.35	24,372	D
Common Stock	10/16/2013	S <u>(1)</u>	20	D	\$ 256.5	24,352	D
Common Stock	10/16/2013	S <u>(1)</u>	300	D	\$ 256.84	24,052	D
Common Stock	10/16/2013	S <u>(1)</u>	100	D	\$ 256.85	23,952	D
Common Stock	10/16/2013	S <u>(1)</u>	1,000	D	\$ 257.45	22,952	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

SEC 1474 (9-02)

required to respond unless the form displays a currently valid OMB control number.

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. Transactic Code (Instr. 8)			6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8 1 2 ()
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option	\$ 81.49	10/16/2013		M <u>(1)</u>		5,000	04/29/2012	04/28/2019	Common Stock	5,000	
Stock Option	\$ 108.15						04/28/2013	04/27/2020	Common Stock	29,000	
Stock Option	\$ 149.02						04/27/2014	04/26/2021	Common Stock	24,876	
Stock Option	\$ 204.01						04/25/2015	04/24/2022	Common Stock	16,923	
Stock Option	\$ 245.86						04/24/2016	04/23/2023	Common Stock	15,741	

Reporting Owners

Reporting Owner Name / Address	Relationships								
1	Director	10% Owner	Officer	Other					
CARRUTHERS COURT D 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201			Sr. Vice President						
Signatures									
David L. Rawlinson, as attorney-in-fact		10/17/201	3						
<u>**</u> 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).

(1) Transaction pursuant to a previously adopted Rule 10b5-1 trading program.

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.