GRAINGER W W INC Form 8-K		
February 17, 2016		
UNITED STATES SECURITIES AND EXCHANGE Washington, D.C. 20549	COMMISSION	
FORM 8-K		
CURRENT REPORT		
PURSUANT TO SECTION 13 OF	R 15(d) OF THE SECURITIES EX	CHANGE ACT OF 1934
Date of Report (Date of earliest ev February 17, 2016	ent reported):	
W.W. Grainger, Inc. (Exact name of Registrant as Spec	ified in its Charter)	
Illinois (State or Other Jurisdiction of Incorporation)	1-5684 (Commission File Number)	36-1150280 (I.R.S. Employer Identification No.)
100 Grainger Parkway, Lake Fores (Address of Principal Executive O		
(847) 535-1000 (Registrant's Telephone Number, I	ncluding Area Code)	
Not applicable (Former Name or Former Address,	, if Changed Since Last Report)	
Check the appropriate box below ithe registrant under any of the following	=	simultaneously satisfy the filing obligation of
[] Written communications pursua	ant to Rule 425 under the Securities	s Act (17 CFR 230.425)
[] Soliciting material pursuant to I	Rule 14a-12 under the Exchange Ad	et (17 CFR 240.14a-12)
[] Pre-commencement communication	ntions pursuant to Rule 14d-2(b) un	nder the Exchange Act (17 CFR 240.14d-2(b))
[] Pre-commencement communication	ations pursuant to Rule 13e-4(c) un	der the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01. Other Events.

On February 17, 2016, W. W. Grainger, Inc. (the "Company") issued a press release announcing the Board of Director's nominees to stand for election as directors of the Company at its 2016 Annual Meeting of Shareholders.

As further described in the press release, William K. Hall, who has served as a director of the Company since 2005, will not stand for re-election in accordance with the Company's Criteria for Membership on the Board of Directors, which provide that an outside director generally will not be nominated after the age of 72.

A copy of the Company's press release is attached as Exhibit 99.1 to this Current Report on Form 8-K.

Item 9.01. Financial Statements and Exhibits (d) Exhibits.

Exhibit No. Document Description

99.1 Press release issued by the Company on February 17, 2016

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: February 17, 2016

W.W. GRAINGER, INC.

By: /s/ Hugo Dubovoy, Jr Name: Hugo Dubovoy, Jr.

Title: Vice President, Corporate Secretary

EXHIBIT INDEX

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