

GRAINGER W W INC  
Form 8-K  
April 16, 2007

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
**FORM 8-K**  
**Current Report**

**Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

Date of Report (Date of Earliest Event Reported) April 16, 2007

W.W. Grainger, Inc.

*(Exact Name of Registrant as Specified 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 Forest, Illinois

*(Address of Principal Executive Offices)*

60045-5201

*(Zip Code)*

(847) 535-1000

*(Registrant's Telephone Number, Including Area Code)*

Not Applicable

*(Former Name or Former Address, if Changed Since Last Report)*

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 2.02. Results of Operations and Financial Condition**

On April 16, 2007 the registrant issued a press release announcing financial results for the quarter ended March 31, 2007. A copy is provided as Exhibit 99.1 to this report.

**Item 9.01. Financial Statements and Exhibits**

(c) Exhibits (numbered in accordance with Item 601 of Regulation S-K).

<u>Exhibit No.</u>	<u>Document Description</u>
99.1	Press release announcing financial results for the quarter ended March 31, 2007

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: April 16, 2007

W.W. GRAINGER, INC.

By: /s/ P.O. Loux  
P. O. Loux

Senior Vice President, Finance

and Chief Financial Officer