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) October 16	, 2003
	W.W. Grainger, Inc.	
(Exact Name o	f Registrant as Specified i	in its Charter)
	Illinois	
(State or C	Other Jurisdiction of Incor	poration)
1-5684		36-1150280
(Commission File Number)		(I.R.S. Employer Identification No.,
100 Grainger Parkway, Lake Forest, Illinois		60045-5201
(Address of Principal Executive Offices)		(Zip Code)
	(847) 535-1000	
(Registrant s T	Felephone Number, Includ	ling Area Code)
	Not Applicable	
(Former Name or Fo	ormer Address, if Changed	1 Since Last Report)

Item 7. Financial Statements and Exhibits

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

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Exhibit No.

Document Description

99.1 99.2 Press release announcing financial results for the quarter ended September 30, 2003 Supplemental financial information for the quarter ended September 30, 2003

Item 12. Results of Operation and Financial Condition

On October 16, 2003, the registrant issued a press release announcing financial results for the quarter ended September 30, 2003. A copy is provided as Exhibit 99.1 to this report.

On October 16, 2003, the registrant issued to interested parties supplemental financial information for the quarter ended September 30, 2003. A copy is provided as Exhibit 99.2 to this report.

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: October 16, 2003

W.W. GRAINGER, INC.

By: /s/ P.O. Loux

P.O. Loux Senior Vice President, Finance and Chief Financial Officer

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