| GRAINGER W W INC |
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| Form SC 13G |
| February 14, 2019 |
| UNITED STATES |
| SECURITIES AND EXCHANGE COMMISSION |
| Washington, D.C. 20549 |
| SCHEDULE 13G |
| Under the Securities Exchange Act of 1934 |
| W.W. Grainger, Inc. |
| (Name of Issuer) |
| Common |
| (Title of Class of Securities) |
| US3848021040 |
| (CUSIP Number) |
| December 31, 2018 |
| (Date of Event which Requires Filing of this Statement) |
| Check the appropriate box to designate the rule pursuant to which this Schedule is filed: |
| [X] Rule 13d-1(b) |
| [] Rule 13d-1(c) |
| [] Rule 13d-1(d) |
| * The remainder of this cover page shall be filled out for a reporting person's initial filing |
| |

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see Instructions).

^{*} The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

CUSIP No.: US3848021040

| 1 | NAME OF REPORTING PERSON Longview Partners (Guernsey) Limited I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) | | | | |
|---|--|-----|---|--|--|
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [] (b) [] | | | | |
| 3 | SEC | USE | EONLY | | |
| 4 | ORG | AN] | ISHIP OR PLACE OF IZATION Islands | | |
| NUMBER OF | | 5 | SOLE VOTING POWER | | |
| SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | | 6 | SHARED VOTING POWER 2,095,784 | | |
| | 4 | 7 | SOLE DISPOSITIVE POWER | | |
| | | 8 | SHARED DISPOSITIVE POWER 3,155,394 | | |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,155,394 | | | | |
| 10 | CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES | | | | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.6% | | | | |
| 12 | TYPE OF REPORTING PERSON HC & IA | | | | |

CUSIP No.: US3848021040

| 1 | NAME OF REPORTING PERSON Longview Partners LLP I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) | | | | |
|-------------------------------------|---|-----|--|--|--|
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [] (b) [] | | | | |
| 3 | SEC | USI | E ONLY | | |
| 4 | ORG | AN | NSHIP OR PLACE OF IZATION ingdom | | |
| NUMBER OF | | 5 | SOLE VOTING POWER | | |
| SHARES BENEFICIALL OWNED BY E | | 6 | SHARED VOTING POWER 2,095,784 | | |
| REPORTING PERSON WITH | | 7 | SOLE DISPOSITIVE POWER | | |
| | | 8 | SHARED DISPOSITIVE POWER 3,155,394 | | |
| 9 | | IED | GATE AMOUNT BENEFICIALLY BY EACH REPORTING PERSON 4 | | |
| 10 | AMC | UN | BOX IF THE AGGREGATE IT IN ROW (9) EXCLUDES N SHARES | | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.6% | | | | |
| 12 | TYPI IA & | _ | F REPORTING PERSON | | |

CUSIP No.: US3848021040

| 1 | NAME OF REPORTING PERSON Longview Partners (UK) Limited I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) | | | | |
|--|--|------|--|--|--|
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) [] (b) [] | | | | |
| 3 | SEC USE ONLY | | | | |
| 4 | ORG | AN] | ISHIP OR PLACE OF IZATION ingdom | | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | | 5 | SOLE VOTING POWER | | |
| | | 6 | SHARED VOTING POWER 2,095,784 | | |
| | Ή | 7 | SOLE DISPOSITIVE POWER | | |
| | _ | 8 | SHARED DISPOSITIVE POWER 3,155,394 | | |
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| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.6% | | | | |
| 12 | TYPE HC | E OI | F REPORTING PERSON | | |

| CUSIP No. | : US3848021040 | | | | | |
|---------------|--|--|--|--|--|--|
| ITEM 1(a). | NAME OF ISSUER: W.W. Grainger, Inc. | | | | | |
| ITEM 1(b). | ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES: 100 Grainger Pkwy Lake Forest IL 60045 | | | | | |
| ITEM 2(a). | NAME OF PERSON FILING: Longview Partners (Guernsey) Limited Longview Partners LLP Longview Partners (UK) Limited (Collectively referred to hereafter as "Longview Partners") | | | | | |
| ITEM 2(b). | ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE: Longview Partners (Guernsey) Limited PO Box 559 Mill Court La Charroterie St Peter Port Guernsey GY1 6JG | | | | | |
| | Longview Partners (UK) Limited and Longview Partners LLP are both located at: Thames Court 1 Queenhithe London EC4V 3RL | | | | | |
| ITEM 2(c). | CITIZENSHIP: Longview Partners (Guernsey) Limited is a Guernsey registered company Longview Partners LLP is a UK limited liability partnership Longview Partners (UK) Limited is a UK registered company | | | | | |
| ITEM 2(d). | TITLE OF CLASS OF SECURITIES: Common | | | | | |
| ITEM 2(e). | CUSIP NUMBER: US3848021040 | | | | | |
| ITEM 3. | IF THIS STATEMENT IS FILED PURSUANT TO SECTION 240.13d-1(b), or 13d-2(b) or (c) CHECK WHETHER THE PERSON FILING IS A: | | | | | |
| | (a) Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78c); | | | | | |
| | (b) Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c); | | | | | |
| | (c) Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c); | | | | | |
| | (d) | | | | | |

| [] | Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C $80a-8$); | | | | |
|---|---|--|--|--|--|
| (e) [X] | An investment adviser in accordance with 240.13d-1(b)(1)(ii)(E); | | | | |
| (f) | An employee benefit plan or endowment fund in accordance with 240.13d-1(b)(1)(ii)(F); | | | | |
| (g) [X] | A parent holding company or control person in accordance with 240.13d-1(b)(1)(ii)(G); | | | | |
| (h) [] | A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813); | | | | |
| (i) [] | A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3); | | | | |
| (j) [] | A non-U.S. institution in accordance with 240.13d-1(b)(1)(ii)(J); | | | | |
| (k) [] | Group, in accordance with $240.13d-1(b)(1)(ii)(K)$. If filing as a non-U.S. institution in accordance with $240.13d1(b)(1)(ii)(J)$, please specify the type of institution: | | | | |
| _ | ew Partners (Guernsey) Limited is an investment advisor registered under section 203 of the nent Advisors Act of 1940. | | | | |
| Longvi | ew Partners (UK) Limited is 100% owned by Longview Partners (Guernsey) Limited. | | | | |
| Longvi | ew Partners (UK) Limited is the managing member of Longview Partners LLP. | | | | |
| OWNE | ERSHIP | | | | |
| (a) Am | ount beneficially owned: | | | | |
| 3,155,3 | 94 | | | | |
| (b) Per | cent of class: | | | | |
| 5.6% | | | | | |
| (c) Nur | mber of shares as to which the person has: | | | | |
| (i) sole | power to vote or to direct the vote: | | | | |
| (ii) shar | red power to vote or to direct the vote: | | | | |
| Longview Partners (Guernsey) Limited - 2,095,784 Longview Partners LLP - 2,095,784 Longview Partners (UK) Limited - 2,095,784 | | | | | |
| (iii) sole power to dispose or direct the disposition of: | | | | | |

(iv) shared power to dispose or to direct the disposition of:

ITEM 4.

Longview Partners (Guernsey) Limited - 3,155,394 Longview Partners LLP - 3,155,394 Longview Partners (UK) Limited - 3,155,394

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [].

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

The shares reported herein have been acquired on behalf of discretionary clients of Longview Partners. Persons other than Longview Partners are entitled to receive dividends from, and proceeds from the sale of, those shares. None of those persons to the knowledge of Longview Partners has an economic interest in more than 5% of the class.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY: Longview Partners LLP

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

As per Items 2(a) & 3 above

ITEM 9. NOTICE OF DISSOLUTION OF GROUP:

ITEM CERTIFICATION:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

CUSIP No.: US3848021040

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 13 2019 Longview Partners (Guernsey) Limited

By:

/s/ Stuart J Tostevin

Name:

Stuart J Tostevin

Title:

Compliance Officer

February 13 2019 Longview Partners LLP

By:

/s/Daniel J Langan

Name:

Daniel J Langan

Title:

Head of Compliance

February 13 2019 Longview Partners (UK) Limited

By:

/s/ Emma Davies

Name:

Emma Davies

Title:

Director

Attention — Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).