FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

|   | OMB APPRO                | OVAL |  |  |  |  |  |  |
|---|--------------------------|------|--|--|--|--|--|--|
|   | OMB Number: 3235-        |      |  |  |  |  |  |  |
| l | Estimated average burden |      |  |  |  |  |  |  |
| I | hours per response:      | 0.5  |  |  |  |  |  |  |

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person* SIEGEL HOWARD J                         |  |  |  |   |      | 2. Issuer Name and Ticker or Trading Symbol CME GROUP INC. [ CME ] |     |  |                   |             |   |                     |                                | (CI   | neck all ap   | nship of Reporting<br>I applicable)<br>Director  |   | on(s) to Is  |   |
|--|--|--|--|---|------|--|-----|--|-------------------|-------------|---|---------------------|--------------------------------|---|---|--|---|--|---|
| (Last) (First) (Middle) 20 S. WACKER DRIVE                                       |  |  |  |   |      | 3. Date of Earliest Transaction (Month/Day/Year) 06/25/2018        |     |  |                   |             |   |                     |                                |   | Offi<br>belo  | cer (give title<br>ow)   |   | Other (<br>below)  | (specify  |
| (Street) CHICAGO IL 60606 (City) (State) (Zip)                                   |  |  |  |   |      | 4. If Amendment, Date of Original Filed (Month/Day/Year)           |     |  |                   |             |   |                     |                                | Lin   | e)<br>X For<br>For  | or Joint/Group Filing (Check Applicable<br>rm filed by One Reporting Person<br>rm filed by More than One Reporting<br>rson |   |  |   |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |  |  |  |   |      |  |     |  |                   |             |   |                     |                                |   |   |  |   |  |   |
| 1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)                    |  |  |  |   |      | Execution Date   |     |  | Code (Instr. 5)   |             |   | ties Ac<br>I Of (D) | quired<br>(Instr.              | (A) or<br>3, 4 an                                   | d Secu<br>Bene  | ficially<br>ed Following   | Form:   | nership<br>Direct<br>Indirect<br>tr. 4)                            | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|  |  |  |  |   |      | Code   | v   | Amount   | (4                | A) or<br>D) | Price   | Trans               | action(s)<br>. 3 and 4)        |   |   | (11311. 4)   |   |  |   |
| Common Stock Class A 06/25/  |  |  |  |   |      | /2018  |     | A <sup>(1)</sup>   |                   | 961 A       |   | Α                   | \$0.0                          | )   | 84,200  |  | D   |  |   |
|  | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |  |  |   |      |  |     |  |                   |             |   |                     |                                |   |   |  |   |  |   |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                              | tive Conversion Date Execution Date, or Exercise (Month/Day/Year) if any   |  |  | 4.<br>Transaction<br>Code (Instr.<br>8) |      | of   |     | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                   |             | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative<br>Security (Instr.<br>and 4) |                     |                                | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | Ov<br>Fo<br>Dii<br>or<br>(I)   | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |   |
|  |  |  |  |   | Code | v  | (A) | (D)  | Date<br>Exercisal |             | Expiration<br>Date  | Title               | Amo<br>or<br>Num<br>of<br>Shar | ber   |   |  |   |  |   |

## Explanation of Responses:

 $1. \ Granted \ pursuant \ to \ the \ CME \ Group \ Director \ Stock \ Plan, \ as \ amended \ and \ restated.$ 

By: Margaret Austin Wright For: Howard J. Siegel

06/27/2018

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.