

FORM 4

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF  
SECURITIES

OMB APPROVAL  
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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 *<br><b>Walker Donald L</b><br><div>(Last) (First) (Middle)</div> <b>1835 DUEBER AVE., S.W.</b><br><div>(Street)</div> <b>CANTON, OH 44706</b><br><div>(City) (State) (Zip)</div> | 2. Issuer Name and Ticker or Trading Symbol<br><b>TimkenSteel Corp [ TMST ]</b> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><div>____ Director<br/>____ 10% Owner<br/>____ <input checked="" type="checkbox"/> Officer (give title below)      ____ Other (specify below)<br/><b>See Remarks</b></div> |
| 3. Date of Earliest Transaction (MM/DD/YYYY)<br><b>12/31/2015</b>                                                                                                                                                         |                                                                                 | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><div>____ <input checked="" type="checkbox"/> Form filed by One Reporting Person<br/>____ Form filed by More than One Reporting Person</div>                                              |
| 4. If Amendment, Date Original Filed (MM/DD/YYYY)                                                                                                                                                                         |                                                                                 |                                                                                                                                                                                                                                                          |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security<br>(Instr. 3) | 2. Trans. Date | 2A. Deemed Execution Date, if any | 3. Trans. Code<br>(Instr. 8) |   | 4. Securities Acquired (A) or Disposed of (D)<br>(Instr. 3, 4 and 5) |            |         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|------------------------------------|----------------|-----------------------------------|------------------------------|---|----------------------------------------------------------------------|------------|---------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
|                                    |                |                                   | Code                         | V | Amount                                                               | (A) or (D) | Price   |                                                                                                  |                                                          |                                                       |
| Common Shares                      | 12/31/2015     |                                   | F                            |   | 1314                                                                 | D          | \$8.475 | 18384                                                                                            | D                                                        |                                                       |
| Common Shares                      |                |                                   |                              |   |                                                                      |            |         | 3568.07                                                                                          | I                                                        | By 401(k) Plan                                        |

Table II - Derivative Securities Beneficially Owned ( e.g. , puts, calls, warrants, options, convertible securities)

| 1. Title of Derivate Security<br>(Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Trans. Date | 3A. Deemed Execution Date, if any | 4. Trans. Code<br>(Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D)<br>(Instr. 3, 4 and 5) | 6. Date Exercisable and Expiration Date |                 | 7. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 3 and 4) |                            | 8. Price of Derivative Security<br>(Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)<br>(Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------------------|--------------------------------------------------------|----------------|-----------------------------------|------------------------------|---|-------------------------------------------------------------------------------------------|-----------------------------------------|-----------------|--------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------|
|                                             |                                                        |                |                                   | Code                         | V |                                                                                           | Date Exercisable                        | Expiration Date | Title                                                                                | Amount or Number of Shares |                                               |                                                                                                       |                                                                                  |                                                        |

Explanation of Responses:

Remarks:  
Executive Vice President of Human Resources and Organizational Advancement

Reporting Owners

| Reporting Owner Name / Address                                | Relationships |           |             |       |
|---------------------------------------------------------------|---------------|-----------|-------------|-------|
|                                                               | Director      | 10% Owner | Officer     | Other |
| Walker Donald L<br>1835 DUEBER AVE., S.W.<br>CANTON, OH 44706 |               |           | See Remarks |       |

Signatures

/s/ Frank A. DiPiero, as Attorney-in-Fact  
Signature of Reporting Person

1/5/2016  
Date

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

- \* 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 control number.