

Klaben Matthew J
 Form 4
 February 24, 2010

FORM 4

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

OMB APPROVAL

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Klaben Matthew J

(Last) (First) (Middle)

ONE INFINITY CORPORATE
 CENTRE DRIVE

(Street)

GARFIELD HEIGHTS, OH 44125

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

CHART INDUSTRIES INC [GTLS]

3. Date of Earliest Transaction
 (Month/Day/Year)

02/22/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)

VP, General Counsel and Sec.

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount (A) or (D) Price | | |
| Common Stock, par value \$0.01 per share ⁽¹⁾ | 02/22/2010 | | A | | 4,840 A \$ 0 18,840 | D | |
| Common Stock, par value \$0.01 per share | 02/22/2010 | | A | | 610 ⁽²⁾ A \$ 0 19,450 | D | |

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

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SEC 1474 (9-02)

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price or Value of Underlying Securities (Instr. 3 and 4) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|---|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Option (Right to Buy) ⁽³⁾ | \$ 12.16 | | | | | 06/12/2007 | 03/29/2016 | Common Stock | 28,082 |
| Stock Option (Right to Buy) ⁽³⁾ | \$ 12.16 | | | | | <u>(5)</u> | 03/29/2016 | Common Stock | 34,357 |
| Stock Option (Right to Buy) ⁽³⁾ | \$ 27.74 | | | | | <u>(6)</u> | 08/02/2017 | Common Stock | 2,900 |
| Stock Option (Right to Buy) ⁽³⁾ | \$ 30.95 | | | | | <u>(7)</u> | 01/02/2018 | Common Stock | 3,020 |
| Stock Option (Right to Buy) ⁽³⁾ | \$ 11 | | | | | <u>(8)</u> | 01/02/2019 | Common stock | 5,210 |
| Stock Option (Right to Buy) ⁽³⁾ | \$ 17.03 | | | | | <u>(9)</u> | 01/04/2020 | Common Stock | 5,730 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Klaben Matthew J ONE INFINITY CORPORATE CENTRE DRIVE GARFIELD HEIGHTS, OH 44125 | | | VP, General Counsel and Sec. | |

Signatures

/s/ Matthew J.
Klaben

02/24/2010

__Signature of
Reporting Person

Date

Explanation of Responses:

- * 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).
 These securities were granted on February 22, 2010 pursuant to a restricted stock award agreement under the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt transaction under Rule 16b-3. The restricted stock awards vest in equal installments on each of the first three anniversaries of the date of grant.
- (1) Represents performance units granted on August 2, 2007 under the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan that have vested and are paid out in shares of common stock.
- (2) No transaction is being reported on this line. Reported on a previously filed Form 4 or Form 5.
- (3) These options were granted on March 29, 2006 as performance options under the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3 and became fully vested on June 12, 2007.
 These options were granted on March 29, 2006 pursuant to the terms of the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3. The options vest annually from the date of grant in equal installments over five years based on continued service.
- (4) These options were granted on August 2, 2007 pursuant to the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.
- (5) These options were granted on January 2, 2008 pursuant to the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.
- (6) These options were granted on January 2, 2009 pursuant to the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.
- (7) These options were granted on January 4, 2010 pursuant to the the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt transaction under Rule 16b-3. The options vest with respect to one-fourth (1/4) of the total number of shares of common stock underlying the stock options on each of the first four anniversaries of the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.