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

INITIAL STATEMENT OF 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

OMB APPROVAL

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6. Individual or Joint/Group

Filing(Check Applicable Line)

Person

Ownership

(Instr. 5)

Reporting Person

4. Nature of Indirect Beneficial

X Form filed by One Reporting

Form filed by More than One

(Print or Type Responses)

| 1. Name and Address of Reporting Person <u>*</u> Webster Kenneth J | | | Date of Event Requiring Statement (Month/Day/Year) | 3. Issuer Name and Ticker or Trading Symbol CHART INDUSTRIES INC [GTLS] | | | |
|--|---------|----------|---|--|--|--|--|
| (Last) | (First) | (Middle) | 03/01/2008 | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) | | |

ONE INFINITY CORPORATE CENTRE DRIVE, SUITE 300

(Street)

GARFIELD HEIGHTS, OHÂ 44125

(City) (State)

1.Title of Security (Instr. 4)

Table I - Non-Derivative Securities Beneficially Owned

Ownership

Direct (D)

10% Owner

_ Other

(Check all applicable)

(give title below) (specify below)

3.

CAO & Controller

____ Director _X__ Officer

2. Amount of Securities Beneficially Owned (Instr. 4)

or Indirect (I) (Instr. 5)

Form:

SEC 1473 (7-02)

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

(Zip)

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.

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

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of | 5. Ownership Form of Derivative | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|--|--------------------|--|----------------------------------|---|---|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Derivative Security | Security: Direct (D) or Indirect (I) | |

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| | | | | | | (Instr. 5) | |
|--------------------------------|-----|------------|-----------------|-------|----------|------------|---|
| Stock Option (Right to Buy) | (1) | 08/02/2017 | Common Stock | 1,300 | \$ 27.74 | D | Â |
| Stock Option (Right to Buy) | (2) | 01/02/2018 | Common Stock | 2,240 | \$ 30.95 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | | | | |
|---|----------|-----------|------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Webster Kenneth J ONE INFINITY CORPORATE CENTRE DRIVE SUITE 300 GARFIELD HEIGHTS, OH 44125 | Â | Â | CAO & Controller | Â |

Signatures

/s/ Arthur C. Hall III as attorney-in-fact for Kenneth J. Webster under Power of Attorney dated 03/07/2008 March 1, 2008

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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 options were granted on August 2, 2007 pursuant to the terms of a Nonqualified Stock Option Agreement under the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan in an exempt transaction under Rule 16b-3. The options vest with

(1) Industries, inc. Amended and Restated 2005 stock incentive than in an exempt transaction under Kute 100-5. 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.

These options were granted on January 2, 2008 pursuant to the terms of a Nonqualified Stock Option Agreement under the Chart

(2) 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.

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.