#### THOMAS SAMUEL F

Form 4

February 24, 2010

#### **OMB APPROVAL** FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading THOMAS SAMUEL F Issuer Symbol CHART INDUSTRIES INC [GTLS] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) \_\_X\_\_ Director 10% Owner X\_ Officer (give title \_ Other (specify ONE INFINITY CORPORATE 02/22/2010 below) CENTRE DRIVE Chairman, CEO and President (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) \_X\_ Form filed by One Reporting Person Form filed by More than One Reporting GARFIELD HEIGHTS, OH 44125 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Insta 0) Orrmad

Common	(Month/Day/Year)	Code V		(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Common Stock, par value \$0.01 per share						130,000	I	By spouse
Common Stock, par value \$0.01 per share						20,000	I	By Trust
Common 02/22/2010 Stock, par		A	43,420	A	\$0	147,046	D	

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value \$0.01 per share (3)							
Common Stock, par value \$0.01 per share	02/22/2010	A	3,843 (4)	A	\$0	150,899	D
Common Stock, par value \$0.01 per share	02/22/2010	F	1,624 (5)	D	\$ 17.94	149,275	D

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

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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. Transactic Code (Instr. 8)	5. Dr.Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		e	7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy) (1)	\$ 6.5					<u>(6)</u>	11/23/2015	Common Stock	237,388
Stock Option (Right to Buy) (1)	\$ 6.5					06/12/2007	11/23/2015	Common Stock	356,876
Stock Option (Right to Buy) (1)	\$ 27.74					<u>(8)</u>	08/02/2017	Common Stock	18,300
Stock Option	\$ 30.95					<u>(9)</u>	01/02/2018	Common Stock	18,950

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(Right to Buy) (1)					
Stock Option (Right to Buy) (1)	\$ 11	<u>(10)</u>	01/02/2019	Common stock	50,000
Stock Option (Right to Buy) (1)	\$ 17.03	<u>(11)</u>	01/04/2020	Common Stock	47,170

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
coporang o macrimate, maneral	Director	10% Owner	Officer	Other			
THOMAS SAMUEL F ONE INFINITY CORPORATE CENTRE DRIVE GARFIELD HEIGHTS, OH 44125	X		Chairman, CEO and President				

# **Signatures**

/s/ Samuel F. Thomas, by Matthew J. Klaben, his attorney-in-fact pursuant to Power of Attorney dated June 29, 2006 on file with the Commission

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).
- (1) No transaction is being reported on this line. Reported on a previously filed Form 4 or Form 5.
- Held by trust for the benefit of the reporting person's daughter. The reporting person disclaims beneficial ownership of the shares held by the trust, and this report should not be deemed an admission that the reporting person is the beneficial owner of the trust's shares for purposes of Section 16 or for any other purpose.
- These securities were granted on February 22, 2010 pursuant to a restricted stock award agreement under the Chart Industries, Inc. 2009

  (3) 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.
- (4) Represents performance units granted on August 2, 2007 under the Chart Industries, Inc. 2005 Stock Incentive Plan that have vested and are paid out in shares of common stock.
- (5) The reporting person surrendered 1,624 shares upon vesting of performance units, to satisfy tax withholding liabilities, in an exempt transaction under Rule 16b-3.
- These options were granted on November 23, 2005 pursuant to the terms of the Chart Industries, Inc. Amended and Restated 2005 Stock

  (6) 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.
- (7) These options were granted on November 23, 2005 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 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.

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- 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.
- These options were granted on January 2, 2009 pursuant to the Chart Industries, Inc. Amended and Restated 2005 Stock Incentive Plan (10) 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.
- These options were granted on January 4, 2010 pursuant to the Chart Industries, Inc. 2009 Omnibus Equity Plan in an exempt (11) 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.