

Godfrey David P
Form 4
February 24, 2005

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 *
Godfrey David P

2. Issuer Name and Ticker or Trading Symbol
CROMPTON CORP [CK]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
199 BENSON ROAD
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
02/23/2005

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Vice President, Human Resource

MIDDLEBURY, CT 06749

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
____ Form filed by More than One Reporting Person

(City) (State) (Zip)

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	02/23/2005		J ⁽¹⁾	261.1021 A \$ 0 2,723	I	ESOP Trust	
Common Stock	02/23/2005		J ⁽²⁾	6.8048 A \$ 0 5,266	I	Savings Plan (401K) Trust	
Common Stock					6,500 I	Restricted Stock Account	
Common Stock	02/23/2005		J ⁽³⁾	17.9028 A \$ 0 17.9028	I	ESPP	

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Common Stock	02/23/2005		J ⁽⁴⁾	7,000	A	\$ 12.92	7,000	I	Restricted Stock Account I
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
NQ Stock Option (Right to Buy)	\$ 5.85					10/20/2004	11/19/2013	Common Stock	4,000
NQ Stock Option (Right to Buy)	\$ 7.25					10/22/2004	11/21/2012	Common Stock	4,000
NQ Stock Option (Right to Buy)	\$ 11.24					11/23/2005	12/22/2014	Common Stock	20,000
NQ Stock Option (Right to Buy)	\$ 12.92	02/23/2005		J ⁽⁵⁾	21,000	02/23/2006	03/22/2015	Common Stock	21,000

Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners

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Director 10% Owner Officer

Other

Godfrey David P
199 BENSON ROAD
MIDDLEBURY, CT 06749

Vice President, Human Resource

Signatures

David P.
Godfrey

02/24/2005

**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) These shares were acquired during the fiscal year pursuant to the Registrant's Employee Stock Ownership Plan and through reinvestment of dividends paid on the shares in this fund (ESOP Trust).
- (2) These shares were acquired during the fiscal year pursuant to the Registrant's Employee Savings Plan and through reinvestment of dividends paid on share in this fund (Savings Plan (401K) Trust).
- (3) Opening balance in the Employee Stock Purchase Plan (ESPP).
Restricted Shares acquired pursuant to the 2005-2007 Long-Term Incentive Plan will vest upon a share of the Registrant's common stock reaching the following stock price milestones: twenty (20%) percent of grant upon closing price of a share attaining \$14.00; twenty (20%) percent of grant upon closing price of a share attaining \$16.75; twenty (20%) percent of grant upon closing price of a share attaining \$19.88; and forty (40%) of grant upon closing price of share attaining \$23.60. Shares will vest as stated above when a particular milestone is reached and maintained for ten (10) consecutive trading days, based on the closing price of a share of the Registrant's common stock on the New York Stock Exchange.
- (5) Options will vest as follows: one-third (1/3) of grant on February 23, 2006; one-third (1/3) of grant on February 23, 2007; and one-third of grant on February 23, 2008.

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.