

McDaniel Gregory E
 Form 4
 February 24, 2005

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 *
 McDaniel Gregory E

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)
 SVP Strategy & New Bus. Dev.

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⁾ | | 425.8314 | A | \$ 0 | 1,902 | I | ESOP Trust |
| Common Stock | 02/23/2005 | | J ⁽²⁾ | | 404.6452 | A | \$ 0 | 1,807 | I | Savings Plan (401K) Trust |
| Common Stock | | | | | | | | 10,000 | I | Restricted Stock Account |
| Common Stock | 02/23/2005 | | J ⁽³⁾ | | 11,300 | A | \$ 12.92 | 11,300 | I | Restricted Stock |

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

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SEC 1474
(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) | Amount or Number of Shares |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------|---------------------------------------------------------------|----------------------------|
| | | | | | | Date Exercisable | Expiration Date | | |
| NQ Stock Option (Right to Buy) | \$ 11.24 | | | | | 11/23/2005 | 11/22/2014 | Common Stock | 35,000 |
| NQ Stock Option (Right to Buy) | \$ 12.92 | 02/23/2005 | | J ⁽⁴⁾ | 34,000 | 02/23/2006 | 03/22/2015 | Common Stock | 34,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---------------------------------------------------------------|---------------|-----------|------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| McDaniel Gregory E 199 BENSON ROAD MIDDLEBURY, CT 06749 | | | SVP Strategy & New Bus. Dev. | |

Signatures

Gregory E.
McDaniel

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).

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.
- (4) 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.