

CROMPTON CORP  
Form 5  
February 14, 2005

# FORM 5

**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).  
Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
FERGUSON JOHN T II

(Last) (First) (Middle)

199 BENSON ROAD

(Street)

MIDDLEBURY, CT 06749

(City) (State) (Zip)

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

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
12/31/2004

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)  
Senior V.P. & General Counsel

6. Individual or Joint/Group Reporting

(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)	(A) or (D)	Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	Â	Â	Â	Â	Â	Â	90,591	D	Â
Common Stock	Â	Â	Â	Â	Â	Â	25,663	I	BEP TRUST
Common Stock	Â	Â	Â	Â	Â	Â	9,698.54	I	LTIP TRUST (1988)
Common Stock	Â	Â	Â	Â	Â	Â	25,689	I	Restricted Stock

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Common Stock	Â	Â	Â	Â	Â	Â	5,000	I	Account Restricted Stock Account II
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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. 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)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
NQ Stock Option (Right to Buy)	\$ 5.85	Â	Â	Â	Â	Â	10/20/2004	11/19/2013	Common Stock	45,000
NQ Stock Option (Right to Buy)	\$ 6.38	Â	Â	Â	Â	Â	01/21/2004	02/20/2013	Common Stock	43,654
NQ Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â	Â	10/22/2003	11/21/2012	Common Stock	36,207
NQ Stock Option (Right to Buy)	\$ 7.92	Â	Â	Â	Â	Â	10/23/2002	11/22/2011	Common Stock	47,374
NQ Stock Option (Right to Buy)	\$ 8.1562	Â	Â	Â	Â	Â	10/31/2001	11/30/2010	Common Stock	75,000

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Buy)												
NQ Stock Option (Right to Buy)	\$ 8.3437	Â	Â	Â	Â	Â	10/19/2000	11/19/2009	Common Stock	188,015		
NQ Stock Option (Right to Buy)	\$ 11.24	Â	Â	Â	Â	Â	11/23/2005	12/22/2014	Common Stock	10,000		
NQ Stock Option (Right to Buy)	\$ 13	Â	Â	Â	Â	Â	08/04/1999	11/18/2005	Common Stock	4,589		
NQ Stock Option (Right to Buy)	\$ 14.3438	Â	Â	Â	Â	Â	08/05/1999	11/14/2008	Common Stock	40,000		
NQ Stock Option (Right to Buy)	\$ 14.5	Â	Â	Â	Â	Â	08/04/1999	09/21/2006	Common Stock	70,227		
NQ Stock Option (Right to Buy)	\$ 16.875	Â	Â	Â	Â	Â	08/04/1999	11/16/2006	Common Stock	20,000		
NQ Stock Option (Right to Buy)	\$ 26.4063	Â	Â	Â	Â	Â	08/04/1999	11/07/2007	Common Stock	20,000		
ISO Stock Option (Right to Buy)	\$ 6.38	Â	Â	Â	Â	Â	01/21/2005	01/21/2013	Common Stock	31,346		
ISO Stock Option (Right to Buy)	\$ 7.25	Â	Â	Â	Â	Â	10/22/2004	10/22/2012	Common Stock	13,793		

ISO Stock Option (Right to Buy)	\$ 7.92	Â	Â	Â	Â	Â	10/23/2003	10/23/2011	Common Stock	12,626
ISO Stock Option (Right to Buy)	\$ 8.3437	Â	Â	Â	Â	Â	10/19/2002	10/19/2009	Common Stock	11,985
ISO Stock Option (Right to Buy)	\$ 13	Â	Â	Â	Â	Â	08/04/1999	10/18/2005	Common Stock	5,911
ISO Stock Option (Right to Buy)	\$ 14.5	Â	Â	Â	Â	Â	08/04/1999	08/21/2006	Common Stock	29,773

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FERGUSON JOHN T II 199 BENSON ROAD MIDDLEBURY, CT 06749	Â	Â	Â Senior V.P. & General Counsel	Â

## Signatures

John T.  
Ferguson II

02/14/2005

\_\_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).

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