#### **CROMPTON CORP**

Form 5

Stock

Reminder: Report on a separate line for each class of

securities beneficially owned directly or indirectly.

February 10, 2005

#### **OMB APPROVAL** FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person \* 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Weiner Robert B Symbol CROMPTON CORP [CK] (Check all applicable) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) (Middle) (Month/Day/Year) Director 10% Owner \_ Officer (give title X Other (specify 12/31/2004 below) below) 199 BENSON ROAD EVP, Supply Chain Operations (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) MIDDLEBURY, CTÂ 06749 \_X\_ 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 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Transaction Acquired (A) or Securities Form: Direct Indirect Execution Date, if (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned at end Indirect (I) Ownership of Issuer's (Instr. 4) (Instr. 4) Fiscal Year (A) (Instr. 3 and or 4) Amount (D) Price Restricted Common Â Â Â Â Â Â 6,500 Ι Stock

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

Persons who respond to the collection of information

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Account

SEC 2270

(9-02)

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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)		8 1 5 ()
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
NQ Stock Option (Right to Buy)	\$ 11.24	Â	Â	Â	Â	11/23/2005	12/22/2014	Common Stock	25,000	

# **Reporting Owners**

Reporting Owner Name / Address	Relationships					
•	Director	10% Owner	Officer	Other		
Weiner Robert B 199 BENSON ROAD MIDDLEBURY, CT 06749	Â	Â	EVP, Supply Chain Operations	Â		

# **Signatures**

Robert B.
Weiner

\*\*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).

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.

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