CROMPTON CORP

Form 4 January 28, 2005

FORM 4

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

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average burden hours per response... 0.5

OMB APPROVAL

3235-0287

OMB

Number:

Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 * HIGDON LEO I JR			2. Issuer Name and Ticker or Trading Symbol CROMPTON CORP [CK]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(Last) (First) (Middle)		3. Date of Earliest Transaction	(Check an applicable)		
6 GLEBE ST	REET		(Month/Day/Year) 01/26/2005	_X_ Director 10% Owner Officer (give title Other (specify below) below)		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
CHARLESTON, SC 29424				Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tal	ble I - Non	-Derivative	Secur	ities Acqu	uired, Disposed	of, or Benefic	ially 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)	onor Disposed of (D) (Instr. 3, 4 and 5)		Securities Ownership I Beneficially Form: I Owned Direct (D)		7. Nature of Indirect Beneficial Ownership	
			Code V	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	or Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock							9,727	D	
Common Stock	01/26/2005		<u>J(1)</u>	84.3932	A	\$0	410.5612	I	DRIP
Common Stock	01/26/2005		J(2)	680	A	\$0	25,549	I	DIR/RABBI TRUST
Common Stock	01/26/2005		J(3)	6,052	A	\$ 10.74	6,052	I	Restricted Stock Account

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

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SEC 1474 (9-02)

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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)	Deriv Secu Acqu (A) o Disp of (E	vative rities proposed or cosed or cose	6. Date Exerci Expiration Dat (Month/Day/Y	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
NQ Stock Option (Right to Buy)	\$ 7.25						10/22/2003	11/21/2012	Common Stock	9,655
NQ Stock Option (Right to Buy)	\$ 7.92						10/23/2002	11/22/2011	Common Stock	8,838
NQ Stock Option (Right to Buy)	\$ 8.1562						10/31/2001	11/30/2010	Common Stock	7,500
NQ Stock Option (Right to Buy)	\$ 8.343						10/19/2000	10/19/2009	Common Stock	7,500
NQ Stock Option (Right to Buy)	\$ 8.343						10/19/2000	11/19/2009	Common Stock	25,000
NQ Stock Option	\$ 13						08/04/1999	11/18/2005	Common Stock	1,538

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(Right to Buy)									
NQ Stock Option (Right to Buy)	\$ 14.3438				08/05/1999	11/14/2008	Common Stock	5,752	
NQ Stock Option (Right to Buy)	\$ 14.5				08/04/1999	09/21/2006	Common Stock	10,000	
NQ Stock Option (Right to Buy)	\$ 16.0625				08/04/1999	02/24/2005	Common Stock	1,245	
NQ Stock Option (Right to Buy)	\$ 16.875				08/04/1999	11/16/2006	Common Stock	2,963	
NQ Stock Option (Right to Buy)	\$ 21.4375	01/26/2005	J <u>(4)</u>	933	08/04/1999	02/24/2004	Common Stock	933	2
NQ Stock Option (Right to Buy)	\$ 26.4063				08/04/1999	11/07/2007	Common Stock	1,893	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
HIGDON LEO I JR 6 GLEBE STREET CHARLESTON, SC 29424	X						

Signatures

Leo I. Higdon, Jr.	01/28/2005	
**Signature of Reporting Person	Date	

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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 Dividend Reinvestment Plan and through the reinvestment of dividends paid on the shares in this fund.
- (2) These shares were acquired during the fiscal year pursuant to the Directors Deferred Compensation Plan and through reinvestment of dividends paid on the shares in this fund.
- (3) The Reporting Person received these shares of the Registrant's common stock in lieu of receiving a portion of his cash compensation for service as a member of the Board of Directors.
- (4) Expired by its term without exercise or payment.

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.