

FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
Expires: February 28, 2011
Estimated average burden
hours per response... 0.5

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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(f) of the
Investment Company Act of 1940

1. Name and Address of Reporting Person * HOOK THOMAS J <small>(Last) (First) (Middle)</small> 10000 WEHRLE DRIVE <small>(Street)</small> CLARENCE, NY 14031 <small>(City) (State) (Zip)</small>	2. Issuer Name and Ticker or Trading Symbol GREATBATCH, INC. [GB] 3. Date of Earliest Transaction (MM/DD/YYYY) 12/31/2010 4. If Amendment, Date Original Filed (MM/DD/YYYY)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) President & CEO 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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	12/31/2010		M		6714	A	\$0.00	116770	D	
Common Stock	12/31/2010		M		4513	A	\$0.00	121283	D	
Common Stock	12/31/2010		F		19530	D	\$24.15	101753	D	
Common Stock	1/3/2011		F		2446	D	\$24.55	99307	D	
Common Stock								2306	I	By 401(k)

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

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Units	\$0.00	12/31/2010		M		6714		12/31/2010	1/5/2019	Common	6714	\$0.00	6714	D	
Restricted Stock Units	\$0.00	12/31/2010		M		4513		12/31/2010	3/10/2020	Common	4513	\$0.00	9027	D	
Stock Option	\$24.15	1/1/2011		A		62658		12/30/2011 (1)	1/1/2021	Common	62658	\$0.00	62658	D	

Explanation of Responses:

(1) Grant of non-qualified stock options that vest in three equal installments on the last day of each fiscal year, beginning in 2011.

Reporting Owners

	Relationships
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Reporting Owner Name / Address	Director	10% Owner	Officer	Other
HOOK THOMAS J 10000 WEHRLE DRIVE CLARENCE, NY 14031	X		President & CEO	

Signatures

/s/ Christopher J. Thome as attorney-in-fact for Thomas J. Hook

1/4/2011

** Signature of Reporting Person

Date

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

* 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 is insufficient, *see* Instruction 6 for procedure.

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