BARNES GROUP INC

Check this box if

no longer subject

to Section 16.

5 obligations

may continue.

Form 4 or Form

Form 5

January 22, 2007

FORM 5

OMB APPROVAL

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

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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

Form 4

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer **BARNES THOMAS O** Symbol BARNES GROUP INC [B] (Check all applicable) (Last) (First) (Middle) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) _X_ Director 10% Owner Officer (give title _ Other (specify 12/31/2006 below) below) BARNES GROUP INC., 123 **MAIN STREET** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year)

BRISTOL, CTÂ 06011-0489

X Form Filed by One Reporting Person Form Filed by More than One Reporting

(check applicable line)

(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) (A) or Amount (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	02/27/2006	Â	G	2,720 (1)	D	\$ 0	605,914 (2)	I	Trust #CF-2078	
Common Stock	03/02/2006	Â	G	340 (1)	A	\$0	306,502 (3)	D	Â	
Common Stock	05/03/2006	Â	G	340	D	\$0	305,822 (3)	D	Â	
Common Stock	Â	Â	Â	Â	Â	Â	5,785.3769	I	By Company's Employee Stock	

									Purchase Plan
Common Stock	Â	Â	Â	Â	Â	Â	21,381.202	I	By Company's 401(k) Plan
Common Stock	Â	Â	Â	Â	Â	Â	2,065.0788 (2)	I	By my Wife
Common Stock	Â	Â	Â	Â	Â	Â	39,356 (2)	I	Trust #42-01-100-8546568
Common Stock	Â	Â	Â	Â	Â	Â	418,768 (2)	I	Trust #42-01-100-8546559
Common Stock	Â	Â	Â	Â	Â	Â	76,470 (2)	I	Trust #42-01-100-8550714
Common Stock	Â	Â	Â	Â	Â	Â	161,652 <u>(2)</u>	I	Trust #42-01-100-8550720
Common Stock	Â	Â	Â	Â	Â	Â	487,540 (2)	I	Trust #42-01-100-8550719
Common Stock	Â	Â	Â	Â	Â	Â	414,756 (2)	I	Trust #42-01-100-8546558
Common Stock	Â	Â	Â	Â	Â	Â	84,432 (2)	I	Trust #42-01-100-8550713

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

(A) (D)

SEC 2270 (9-02)

Shares

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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	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transaction	5. Number	6. Date Exercises Expiration D		7. Title an		8. Price of Derivative
Security (Instr. 3)	or Exercise Price of	(Wondin Day) Tear)	any (Month/Day/Year)	Code (Instr. 8)	of Derivative	(Month/Day/		Underlyin Securities	ng	Security (Instr. 5)
	Derivative Security				Securities Acquired			(Instr. 3 a	and 4)	
					(A) or Disposed					
					of (D) (Instr. 3,					
					4, and 5)					
						D.	F : .:	An or	nount	
						Date Exercisable	Expiration Date	Title Nu	ımber	

Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners 2

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Director 10% Owner Officer Other

BARNES THOMAS O BARNES GROUP INC. 123 MAIN STREET

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BRISTOL, CTÂ 06011-0489

Signatures

Thomas O.
Barnes

01/23/2007

**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) Gift from H.F. Barnes Trust No. CF2078 of 340 shares to each of 8 recipients, including Reporting Person, for total of 2,720 shares.
- (2) Reporting Person hereby disclaims beneficial ownership of shares held by his Wife and the Trusts except to the extent of his pecuniary interest.
- (3) Includes 4,000 Restricted Stock Units granted 2/13/2003, 3,100 granted 4/14/2004, a balance of 2,000 granted 2/17/05 and 3,220 granted 2/15/06 that are subject to forfeiture if certain events occur.

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Remarks:

a currently valid OMB number.

Effective June 1, 2006, the Reporting Person was removed as custodian on the share accounts held. 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

Signatures 3