

BARNES GROUP INC  
Form 11-K  
June 28, 2010  
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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**FORM 11-K**

(Mark One)

**ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the fiscal year ended December 30, 2009

OR

**TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from            to

Commission file number 001-04801

A. Full title of the plan and the address of the plan, if different from that of the issuer named below:

**BARNES GROUP INC. RETIREMENT SAVINGS PLAN**

**B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:  
Barnes Group Inc.**

**123 Main Street**

**Bristol, Connecticut 06010**

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Barnes Group Inc. Retirement Savings Plan  
Financial Statements and Supplemental Schedule  
Years ended December 30, 2009 and 2008

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Report of Independent Registered Public Accounting Firm

To the Benefits Committee of the

Barnes Group Inc. Retirement Savings Plan:

We have audited the accompanying statements of net assets available for benefits of the Barnes Group Inc. Retirement Savings Plan (the Plan) as of December 30, 2009 and 2008, and the related statements of changes in net assets available for benefits for the years then ended. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Plan is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 30, 2009 and 2008, and the changes in net assets available for benefits for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The Supplemental Schedule of Assets (Held at End of Year), referred to as supplemental information, is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. This supplemental information is the responsibility of the Plan's management. The supplemental information has been subjected to the auditing procedures applied in the audits of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

/s/ Fiondella, Milone & LaSaracina LLP

Fiondella, Milone & LaSaracina LLP

Glastonbury, Connecticut

June 24, 2010

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Barnes Group Inc. Retirement Savings Plan

Statements of Net Assets Available for Benefits

|   | December 30,   |                |
|---|----------------|----------------|
|   | 2009           | 2008           |
| <b>Assets</b>   |                |                |
| Cash and cash equivalents   | \$ 3,429,397   | \$ 3,399,471   |
| Investments at fair value:  |                |                |
| Mutual funds  | 86,931,341     | 64,532,292     |
| Managed income portfolio funds  | 48,438,429     | 46,580,476     |
| Barnes Group Inc. stock   | 68,111,591     | 59,679,132     |
| Participant loans   | 5,567,015      | 5,741,428      |
| Total investments at fair value   | 209,048,376    | 176,533,328    |
| Receivables   |                |                |
| Employer contributions  | 2,566,805      | 2,302,108      |
| Accrued income  | 745            | 5,038          |
| Total receivables   | 2,567,550      | 2,307,146      |
| Total assets  | 215,045,323    | 182,239,945    |
| <b>Liabilities</b>  |                |                |
| Accrued expenses  | 12,353         | 12,732         |
| Total liabilities   | 12,353         | 12,732         |
| Net assets reflecting all investments at fair value   | 215,032,970    | 182,227,213    |
| Adjustments from fair value to contract value for fully benefit-responsive investment contracts | 608,585        | 1,890,253      |
| Net assets available for benefits   | \$ 215,641,555 | \$ 184,117,466 |

*See accompanying notes.*

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## Barnes Group Inc. Retirement Savings Plan

## Statements of Changes in Net Assets Available for Benefits

|   | Years Ended December 30, |                |
|---|--------------------------|----------------|
|   | 2009                     | 2008           |
| <b>Additions:</b>   |                          |                |
| Investment income:  |                          |                |
| Interest and dividend income                                      | \$ 4,569,391             | \$ 2,802,611   |
| Net appreciation in fair value of investments                     | 35,627,006               |                |
| Total investment income   | 40,196,397               | 2,802,611      |
| Contributions:  |                          |                |
| Employer match  | 1,421,795                | 3,941,092      |
| Participant and rollovers   | 9,435,129                | 12,264,889     |
| Profit sharing  | 2,564,694                | 2,299,731      |
| Total contributions   | 13,421,618               | 18,505,712     |
| Other income:   |                          |                |
| Interest on participant loans                                     | 334,872                  | 446,180        |
| Total additions   | 53,952,887               | 21,754,503     |
| <b>Deductions:</b>  |                          |                |
| Benefit payments  | 22,332,277               | 26,859,518     |
| Administrative fees   | 96,521                   | 58,392         |
| Net depreciation in fair value of investments                     |                          | 127,478,603    |
| Total deductions  | 22,428,798               | 154,396,513    |
| Net increase (decrease) in assets before transfer                 | 31,524,089               | (132,642,010)  |
| Transfer of assets to Spectrum Plastics Group 401(k) Savings Plan |                          | (4,320,523)    |
| Net increase (decrease) in net assets available for benefits      | 31,524,089               | (136,962,533)  |
| Net assets available for benefits                                 |                          |                |
| Beginning of year   | 184,117,466              | 321,079,999    |
| End of year   | \$ 215,641,555           | \$ 184,117,466 |

*See accompanying notes.*

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements

**1. Description of Plan**

The following description of the Barnes Group Inc. (the Company) Retirement Savings Plan (the Plan) provides only general information. Participants should refer to the Plan document for a more complete description on the Plan's provisions.

**General**

The Plan is a defined contribution plan. Full-time salaried and non-union hourly United States employees of the Company are eligible to participate in the Plan. Members of collective bargaining units are not eligible to participate. Eligible employees may participate in the Plan on the first day of the month that follows or is coincident with their date of hire. Effective November 1, 2005, the Plan was amended to include automatic enrollment for all newly eligible employees sixty days following their date of hire.

Effective May 30, 2003, the Barnes Group Inc. Profit Sharing Plan and the Spectrum Plastic Molding Resources, Inc. 401(k) Profit Sharing Plan were merged into the Plan, with the Barnes Group Inc. Profit Sharing Plan retaining certain separate plan features. Also, effective December 1, 2003, the Kar Products, LLC Savings and Investment Plan was merged into the Plan.

In February 2008, the Company sold its Spectrum Plastics Group division. Thus, effective May 2008, the asset balances of the former participants in the Plan were transferred to the Spectrum Plastics Group 401(k) Savings Plan.

The Plan was last amended and restated effective July 1, 2009.

**Participant Accounts**

Each participant's account is credited with (1) the participant's contribution and allocations of (2) the Company's contributions, if any, and (3) Plan earnings, and is charged with an allocation of administrative expenses. Allocations are based on participant earnings or account balances, as defined. Forfeited balances of terminated participants' nonvested accounts are used to reduce future company contributions and offset administrative expenses of the Plan. The benefit to which a participant is entitled is the benefit that can be provided from the participant's account.

**Investment Options**

All investment programs are fully participant directed. Participants may direct the investment of their contributions and the Company's discretionary matching contribution, if any, into any of the Plan's available investment options.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**1. Description of Plan (continued)**

**Contributions**

Subject to certain restrictions which may be applied to highly compensated employees, participants must elect to make contributions to the Plan through payroll deductions of between 1% and 75% (in whole percentages) of their Plan compensation. In accordance with the Internal Revenue Code, participant pretax contributions cannot exceed \$16,500 and \$15,500 in 2009 and 2008, respectively, with the exception of certain allowable catch-up contributions for participants over the age of 49. Such contributions may be made on a pre-tax or after-tax basis. After-tax contributions are not subject to matching Company contributions and the combined pre- and after-tax deduction cannot exceed 75% of Plan compensation (the after-tax portion of which cannot exceed 10% of Plan compensation). A participant may also elect to increase or reduce the amount of contributions at any time.

All profit sharing contributions are made by Barnes Group Inc. For all participating divisions, (as long as any profit thresholds in effect are achieved) a minimum contribution is equal to 3.5% of each eligible employee's paid compensation which includes base wages, overtime, shift differential and commissions.

The following are contribution rates for certain new locations:

|                     | Minimum | Maximum       |
|---------------------|---------|---------------|
| 2008 and thereafter | 3.5%    | Discretionary |

The Company match is equal in value to 50% of the participants' pre-tax contribution up to 6% of their Plan compensation and may be invested in any of the Plan's investment alternatives. As of July 1, 2009, the Company match was temporarily suspended.

**Benefits**

Upon a participant's separation from service due to death, disability or retirement, benefits may be distributed to them in a single lump sum amount equal to the vested value of their account. Active participants may also withdraw funds from their accounts under certain hardship conditions.

Effective January 1, 2009, the Plan suspended minimum required distributions (MRDs) as permitted under the Worker, Retiree, and Employer Recovery Act of 2008 (the Act). The Act suspended MRDs to allow workers anticipating MRDs not to take such distributions from retirement assets depleted from the market downturn in 2008. MRDs will recommence in 2010.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**1. Description of Plan (continued)**

**Benefits (continued)**

Participants may borrow from their fund accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance, not including the profit sharing portion. Loans are considered investments of the Plan, and loan transactions are treated as a transfer to (from) the investment fund from (to) the participant loans fund. Personal loan terms can be up to five years. The loans are collateralized by the balance in the participant's account and bear a reasonable rate of interest as established by the Benefits Committee in a nondiscriminatory manner.

**Vesting**

A participant is 100% vested in the Company match after two completed years of service with the Company. Participants are always 100% vested with respect to their own contributions plus actual earnings thereon. In addition, Company contributions become 100% vested upon death, permanent disability or when the participant reaches age 55.

Profit sharing vesting is as follows:

(1) For Employees of Participating Divisions other than Bowman U.S.:

| <b>Period of Service</b> | <b>Vested and<br/>Nonforfeitable<br/>Percentage</b> |
|--------------------------|---|
| Less than 1 year         | 0%  |
| 1 but less than 2 years  | 20%   |
| 2 but less than 3 years  | 40%   |
| 3 but less than 4 years  | 60%   |
| 4 but less than 5 years  | 80%   |
| 5 or more years          | 100%  |

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**1. Description of Plan (continued)**

**Vesting (continued)**

(2) For Employees of Bowman U.S.:

| Period of Service | Vested and<br>Nonforfeitable<br>Percentage |
|-------------------|--|
| Less than 5 years | 0%   |
| 5 or more years   | 100%                                       |

**Trustee**

Fidelity Management Trust Company (Fidelity) is the Trustee for all Plan assets. The Benefits Committee, appointed by the Board of Directors of the Company, is responsible for the general administration of the Plan.

**Plan Termination**

The Company presently intends to continue the Plan indefinitely; however, the Company's Board of Directors may terminate the Plan at any time. Upon termination of the Plan, all participants become fully vested in all Company contributions and earnings credited to their accounts as of the date of such termination.

**2. Summary of Significant Accounting Policies**

**Basis of Accounting**

The financial records of the Plan are maintained on the accrual basis of accounting.

**Use of Estimates**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**2. Summary of Significant Accounting Policies (continued)**

**Risks and Uncertainties**

The Plan provides for various investment options in mutual funds, fully benefit-responsive investment contracts and Barnes Group Inc. common stock. These investments are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

**Investment Valuation and Income Recognition**

The Plan's mutual funds are stated at fair value, which is based on quoted market prices in an active market. The market value of mutual funds is based on the net asset value of shares held by the Plan at year-end. Purchases and sales of securities are recorded on a trade-date basis. Interest and dividend income is recorded on the accrual basis.

The Plan's investment in fully benefit-responsive investment contracts (the Fidelity Managed Income Portfolio Fund), is accounted for in accordance with Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 962 (ASC 962), which discusses the accounting treatment for fully benefit-responsive investment contracts. Investment contracts held by a defined contribution plan are required to be reported at fair value. However, contract value is the relevant measurement attribute for that portion of net assets available for benefits of a defined contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the plan.

At December 30, 2009 and 2008, the adjustment from fair value to contract value for the fully benefit-responsive investment contracts was determined by the Plan sponsor by calculating the Plan's proportional share of the adjustment listed in the funds audited financial statements. Contract value represents contributions made under the contract, plus earnings, less participant withdrawals and administrator fees. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value.

At December 30, 2009 and 2008, the statements of net assets available for benefits present the fair value of the investment in the fully benefit-responsive investment contracts as well as the adjustment of the fully benefit-responsive investment contracts from fair value to contract value.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**2. Summary of Significant Accounting Policies (continued)**

**Investment Valuation and Income Recognition (continued)**

The fair value of investments in the Company's common stock is based upon published quotations.

Participant loans are valued at cost, which approximates fair value.

The Plan presents, in the statements of changes in net assets available for benefits, the net appreciation or depreciation in the fair value of investments, which consists of the realized and unrealized gains or losses on those investments.

**Fair Value of Investments**

On January 1, 2008, the Plan adopted FASB ASC 820, *Fair Value Measurement and Disclosures* (ASC 820), which was formerly referred to as FASB Statement No. 157, for all financial assets and liabilities and nonfinancial assets and liabilities that are recognized or disclosed at fair value in the financial statements on a recurring basis. ASC 820 defines fair value, establishes a fair value hierarchy, and expands disclosures about fair value measurements.

ASC 820 defines fair value as the price that would be received upon sale of an asset or paid upon transfer of a liability in an orderly transaction between market participants at the measurement date and in the principal or most advantageous market for that asset or liability.

The fair value should be calculated based on assumptions that market participants would use in pricing the asset or liability, not on assumptions specific to the entity. In addition, the fair value of liabilities should include consideration of non-performance risk including the company's own credit risk.

In addition to defining fair value, ASC 820 expands the disclosure requirements around fair value and establishes a fair value hierarchy for valuation inputs. The hierarchy prioritizes the inputs into three levels based on the extent to which inputs used in measuring fair value are observable in the market. Each fair value measurement is reported in one of three levels which is determined by the lowest level input that is significant to the fair value measurement in its entirety.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**2. Summary of Significant Accounting Policies (continued)**

**Fair Value of Investments (continued)**

These levels are:

Level 1 - inputs are based upon unadjusted quoted prices for identical instruments traded in active markets.

Level 2 - inputs are based upon quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-based valuation techniques for which all significant assumptions are observable in the market or can be corroborated by observable market data for substantially the full term of the assets or liabilities.

Level 3 - inputs are generally unobservable and typically reflect management's estimates of assumptions that market participants would use in pricing the asset or liability. The fair values are therefore determined using model-based techniques that include option pricing models, discounted cash flow models, and similar techniques.

**Payment of Benefits**

Benefits are recorded when paid.

**Administrative Expenses**

The Plan provides that all costs and expenses incurred in administering the Plan may be paid by the Plan or the Company. During 2009 and 2008, the Company elected to pay for all Plan administrative costs and expenses other than loan origination fees and redemption charges on certain funds. In 2009, certain legal fees relating to the Plan were paid by the Plan.

**Contributions**

Employee contributions are recorded in the period in which the employee payroll deductions are made.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**2. Summary of Significant Accounting Policies (continued)****Recently Adopted Accounting Pronouncements**

In June 2009, the FASB issued the FASB Accounting Standards Codification. This standard identifies the sources of accounting principles and the framework for selecting the principles used in the preparation of financial statements of nongovernmental entities that are presented in accordance with U.S. GAAP. This standard was adopted by the Plan for the 2009 plan year. The adoption of the provisions of this standard did not have any impact on the Plan's financial condition.

**3. Investments**

The Plan has investments in Barnes Group Inc. common stock and in Fidelity mutual funds.

The following investments represent 5% or more of the Plan's net assets:

|   | December 30,         |               |
|---|----------------------|---------------|
|   | 2009                 | 2008          |
| Barnes Group Inc. common stock            | <b>\$ 68,111,591</b> | \$ 59,679,132 |
| Fidelity Managed Income Portfolio Fund II | <b>48,438,429</b>    | 46,580,476    |
| Fidelity Freedom 2020 Fund                | <b>22,011,888</b>    | 17,347,045    |
| Fidelity Diversified International Fund   | <b>11,860,906</b>    | 9,423,905     |

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**3. Investments (continued)**

The Plan's investments (including gains and losses on investments bought and sold, as well as held during the year) appreciated (depreciated) in value as follows:

|                                | December 30,         |                         |
|--------------------------------|----------------------|-------------------------|
|                                | 2009                 | 2008                    |
| Barnes Group Inc. common stock | \$ 16,058,883        | \$ (86,783,105)         |
| Mutual funds                   | 19,568,123           | (40,695,498)            |
|                                | <b>\$ 35,627,006</b> | <b>\$ (127,478,603)</b> |

**4. Fair Value Measurements**

The following table summarizes the fair values and levels within the fair value hierarchy in which the fair value measurements fall for assets measured on a recurring basis as of December 30, 2009:

| Description                    | Level 1        | Level 2       | Level 3      | Total          |
|--------------------------------|----------------|---------------|--------------|----------------|
| <b>Assets</b>                  |                |               |              |                |
| Mutual funds                   | \$ 86,931,341  | \$            | \$           | \$ 86,931,341  |
| Managed income portfolio funds |                | 48,438,429    |              | 48,438,429     |
| Barnes Group Inc. stock        | 68,111,591     |               |              | 68,111,591     |
| Participant loans              |                |               | 5,567,015    | 5,567,015      |
| Total assets                   | \$ 155,042,932 | \$ 48,438,429 | \$ 5,567,015 | \$ 209,048,376 |

The following table summarizes the fair values and levels within the fair value hierarchy in which the fair value measurements fall for assets measured on a recurring basis as of December 30, 2008:

| Description                    | Level 1        | Level 2       | Level 3      | Total          |
|--------------------------------|----------------|---------------|--------------|----------------|
| <b>Assets</b>                  |                |               |              |                |
| Mutual funds                   | \$ 64,532,292  | \$            | \$           | \$ 64,532,292  |
| Managed income portfolio funds |                | 46,580,476    |              | 46,580,476     |
| Barnes Group Inc. stock        | 59,679,132     |               |              | 59,679,132     |
| Participant loans              |                |               | 5,741,428    | 5,741,428      |
| Total assets                   | \$ 124,211,424 | \$ 46,580,476 | \$ 5,741,428 | \$ 176,533,328 |



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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**4. Fair Value Measurements (continued)**

The table below sets forth a summary of changes in the fair value of the Plan's Level 3 investment assets for the year ended December 30:

|  | <b>Participant<br/>Loans</b> |
|--|------------------------------|
| Balance at December 30, 2007               | \$ 5,727,876                 |
| Issuances, repayments and settlements, net | 13,552                       |
| Balance at December 30, 2008               | 5,741,428                    |
| Issuances, repayments and settlements, net | <b>(174,413)</b>             |
| Balance at December 30, 2009               | <b>\$ 5,567,015</b>          |

**5. Stable Value Investment Contract**

The Plan maintains fully benefit-responsive investment contracts with Fidelity. The contract is included in the statements of net assets available for benefits at fair value. The adjustment from fair value to contract value for the investment contract is based on the contract value as reported to the plan by Fidelity. Contract value represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value.

The fair value of the investment contracts at December 30, 2009 and 2008, was \$48,438,429 and \$46,580,476, respectively. The average yield and crediting rates were 1.53% and 3.48% for 2009 and 2008, respectively.

**6. Participant Loans**

Participants may elect to take loans from their accumulated vested account balances in the Plan subject to certain limitations. The loans are withdrawn from the participants' fund balances based upon the percentages in which they were invested and in a sequence as prescribed by the Plan. Interest is charged on the loans at a rate determined quarterly at prime as published in the Wall Street Journal plus one half of one percent (interest rates on outstanding loans ranged from 3.75% to 9.50% during 2009 and 4.00% to 10.00% during 2008). Interest charges commence sixty days subsequent to the initial loan date.

Loan repayments are made in equal periodic installments for a period not to exceed five years and are invested on the participant's behalf in the investment funds per the participant's investment elections. At December 2009 and 2008, there were 763 and 750 loan fund participants with loans outstanding, respectively.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**7. Benefit Payments and Forfeitures**

During 2009 and 2008, benefit payments amounted to \$22,332,277 and \$26,859,518, respectively. If a participant terminates his employment with the Company, the portion of Company contributions not vested is forfeited. Such forfeitures, which amounted to \$382,058 and \$378,858 in 2009 and 2008, respectively, are used to reduce Company contributions. Profit sharing forfeitures are reallocated as Company contributions.

**8. Federal Income Tax Status**

The U.S. Treasury Department has determined, most recently as of May 28, 2002, that the Plan as originally adopted and amended through January 1, 2002 is a qualified plan under the applicable provisions of the Internal Revenue Code and as such is exempt from federal income taxes. The Plan has been amended and restated since receiving the determination letter. However, the Plan administrator and the Plan's tax counsel believe that the Plan is currently designed and being operated in compliance with the applicable requirements of the Internal Revenue Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

Employees are not taxed currently on Company contributions to the Plan, contributions made under the salary deferral provisions of the Plan, or on income earned by the Plan. However, employees are currently taxed on any after-tax contributions. Internal Revenue Service and applicable State regulations in effect in the year participant distributions are made determine the tax status of such distributions.

**9. Company Stock Transactions**

In 2009, the Plan purchased on the open market 1,067,100 shares of Barnes Group Inc. common stock at a cost of \$14,369,106. The Plan also sold on the open market 1,404,466 shares at a market value of \$20,789,376. The Plan received no shares as matching contributions from the Company.

In 2008, the Plan purchased on the open market 1,266,700 shares of Barnes Group Inc. common stock at a cost of \$25,873,627. The Plan also sold on the open market 962,400 shares at a market value of \$21,537,080. The Plan received no shares as matching contributions from the Company.

The Plan owned 3,980,806 shares of Barnes Group Inc. common stock or approximately 7% of the outstanding common shares of the Company at December 30, 2009. The Plan owned 4,414,137 shares of Barnes Group Inc. common stock or approximately 8% of the outstanding common shares of the Company at December 30, 2008.

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Barnes Group Inc. Retirement Savings Plan

Notes to Financial Statements (continued)

**10. Reconciliation of Financial Statements to Form 5500**

The following is a reconciliation of net assets available for benefits per the financial statements to Form 5500 as of December 30, 2009:

|   |                       |
|---|-----------------------|
| Net assets available for benefits per the financial statements                                  | <b>\$ 215,641,555</b> |
| Adjustments from contract value to fair value for fully benefit-responsive investment contracts | <b>(608,585)</b>      |
| <b>Net assets available for benefits per Form 5500</b>  | <b>\$ 215,032,970</b> |

For the year ended December 30, 2009, the following is a reconciliation of the net change in net assets available for benefits per the financial statements to Form 5500:

|   |                      |
|---|----------------------|
| Total net change per the financial statements   | <b>\$ 31,524,089</b> |
| Adjustments from contract value to fair value for fully benefit-responsive investment contracts | <b>1,281,668</b>     |
| <b>Total net change per Form 5500</b>   | <b>\$ 32,805,757</b> |

**11. Subsequent Event**

Effective April 1, 2010, the Company reinstated the Company match for employees in the Plan.

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Barnes Group Inc. Retirement Savings Plan

EIN # 06-0247840 Plan # 012

Schedule H, Line 4(i) Schedule of Assets (Held at End of Year)

December 30, 2009

| (a) | (b) Identity of Issue, Borrower,  | (c) Description of Investment, Including Maturity    | (d) Cost     | Number of<br>Units/Shares | (e) Current<br>Value |
|-----|-----------------------------------|--|--------------|---------------------------|----------------------|
|     | <b>Lessor or Similar Party</b>    | <b>Date, Rate of Interest, Par or Maturity Value</b> |              |                           |                      |
| *   | Fidelity Management Trust Company | Fidelity Equity - Income Fund                        | \$ 7,875,312 | 172,359                   | \$ 6,801,271         |
| *   | Fidelity Management Trust Company | Spartan U.S. Equity Index Fund                       | 2,600,904    | 60,321                    | 2,402,586            |
| *   | Fidelity Management Trust Company | Fidelity Blue Chip Growth Fund                       | 9,070,224    | 243,438                   | 9,333,432            |
| *   | Fidelity Management Trust Company | Eaton Vance Structured Emerging Markets<br>Fund      | 962,559      | 85,155                    | 1,118,085            |
| *   | Fidelity Management Trust Company | Fidelity Small Cap Independence Fund                 | 9,105,132    | 529,780                   | 7,464,603            |
| *   | Fidelity Management Trust Company | Fidelity Diversified International Fund              | 12,960,717   | 432,453                   | 11,860,906           |
| *   | Fidelity Management Trust Company | Fidelity Freedom Income Fund                         | 2,558,243    | 230,805                   | 2,485,772            |
| *   | Fidelity Management Trust Company | Fidelity Freedom 2010 Fund                           | 8,141,654    | 643,968                   | 8,088,242            |
| *   | Fidelity Management Trust Company | Fidelity Freedom 2020 Fund                           | 22,275,994   | 1,745,590                 | 22,011,888           |
| *   | Fidelity Management Trust Company | Fidelity Freedom 2030 Fund                           | 7,299,858    | 578,380                   | 7,212,396            |
| *   | Fidelity Management Trust Company | Fidelity Freedom 2040 Fund                           | 2,856,446    | 397,381                   | 2,865,118            |
| *   | Fidelity Management Trust Company | Fidelity Freedom 2050 Fund                           | 477,549      | 66,225                    | 556,956              |
| *   | Fidelity Management Trust Company | Dreyfus Bond Market Index Fund                       | 1,260,386    | 123,864                   | 1,279,513            |
| *   | Fidelity Management Trust Company | Munder Mid Cap Core GR Y                             | 2,944,003    | 119,583                   | 2,739,884            |
| *   | Fidelity Management Trust Company | Spartan Extended Market Index                        | 738,945      | 23,134                    | 710,689              |
|     |                                   |  |              |                           | 86,931,341           |
| *   | Fidelity Management Trust Company | Fidelity Managed Income Portfolio II                 | 49,047,014   | 49,047,014                | 48,438,429           |
| *   | Barnes Group Inc.                 | Common Stock   | 69,150,143   | 3,980,806                 | 68,111,591           |
| *   | Participant Loans                 | 3.75% - 9.50%  |              |                           | 5,567,015            |
|     |                                   |  |              |                           | \$ 209,048,376       |

\* *party-in-interest*

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Benefits Committee of the Board of Directors of Barnes Group Inc. has duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

Barnes Group Inc.  
Retirement Savings Plan  
(Registrant)

Date: June 28, 2010

By: /s/ Lawrence W. O Brien  
Lawrence W. O Brien  
Member of the Benefits Committee of Barnes Group Inc.