

SMITH A O CORP

Form 4

October 21, 2009

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**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(h) of the Investment Company Act of 1940

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
RETTLER STEVE W

(Last) (First) (Middle)

**A. O. SMITH
CORPORATION, 11270 WEST
PARK PLACE**

(Street)

MILWAUKEE, WI 53224

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol
SMITH A O CORP [AOS]

3. Date of Earliest Transaction
(Month/Day/Year)
10/20/2009

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director _____ 10% Owner
__X__ Officer (give title _____ Other (specify
below) below)

Senior Vice President - CD

6. Individual or Joint/Group Filing(Check
Applicable Line)
__X__ Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

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)			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	10/20/2009		M		9,650	A	\$ 15.135	17,345	D
Common Stock	10/20/2009		M		11,200	A	\$ 26.88	28,545	D
Common Stock	10/20/2009		S		75	D	\$ 43.5	28,470	D
Common Stock	10/20/2009		S		322	D	\$ 43.51	28,148	D
Common Stock	10/20/2009		S		3	D	\$ 43.53	28,145	D

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Common Stock	10/20/2009	S	600	D	\$ 43.54	27,545	D
Common Stock	10/20/2009	S	2,900	D	\$ 43.55	24,645	D
Common Stock	10/20/2009	S	100	D	\$ 43.555	24,545	D
Common Stock	10/20/2009	S	700	D	\$ 43.56	23,845	D
Common Stock	10/20/2009	S	2,100	D	\$ 43.57	21,745	D
Common Stock	10/20/2009	S	100	D	\$ 43.5775	21,645	D
Common Stock	10/20/2009	S	300	D	\$ 43.58	21,345	D
Common Stock	10/20/2009	S	200	D	\$ 43.585	21,145	D
Common Stock	10/20/2009	S	300	D	\$ 43.59	20,845	D
Common Stock	10/20/2009	S	100	D	\$ 43.5925	20,745	D
Common Stock	10/20/2009	S	100	D	\$ 43.595	20,645	D
Common Stock	10/20/2009	S	1,550	D	\$ 43.6	19,095	D
Common Stock	10/20/2009	S	500	D	\$ 43.61	18,595	D
Common Stock	10/20/2009	S	100	D	\$ 43.62	18,495	D
Common Stock	10/20/2009	S	600	D	\$ 43.66	17,895	D
Common Stock	10/20/2009	S	400	D	\$ 43.68	17,495	D
Common Stock	10/20/2009	S	100	D	\$ 43.7	17,395	D
Common Stock	10/20/2009	S	100	D	\$ 43.72	17,295	D
Common Stock	10/20/2009	S	100	D	\$ 43.73	17,195	D
Common Stock	10/20/2009	D	850	D	\$ 43.75	16,345	D
	10/20/2009	S	1,550	D	\$ 43.76	14,795	D

Common
Stock

Common Stock	10/20/2009	S	905	D	\$ 43.78	13,890	D
Common Stock	10/20/2009	S	495	D	\$ 43.79	13,395	D
Common Stock	10/20/2009	S	200	D	\$ 43.8	13,195	D
Common Stock	10/20/2009	S	1,100	D	\$ 43.82	12,095	D

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

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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. 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)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Options (Right to Buy) ⁽¹⁾	\$ 15.135	10/20/2009		M		9,650		10/08/2002	10/09/2011	Common Stock	9,650
Employee Stock Options (Right to Buy) ⁽²⁾	\$ 26.88	10/20/2009		M		11,200		10/10/2003	10/11/2012	Common Stock	11,200

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

RETTLER STEVE W
A. O. SMITH CORPORATION
11270 WEST PARK PLACE
MILWAUKEE, WI 53224

Senior Vice President - CD

Signatures

James F. Stern, Attorney-in-Fact for Steve W.
Rettler

10/21/2009

__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) Granted on 10/09/2001 under the A. O. Smith Corporation Long-Term Executive Incentive Compensation Plan, a transaction exempt under Rule 16b-3.
- (2) Granted on 10/11/2002 under the A. O. Smith Combined Executive Incentive Compensation Plan, a transaction exempt under Rule 16b-3.

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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