SEC Form 4	
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## 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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burd	en							
hours ner resnonse:	05							

1. Name and Address of Reporting Person* <u>RETTLER STEVE W</u>			2. Issuer Name and Ticker or Trading Symbol <u>SMITH A O CORP</u> [ AOS ]	(Check	tionship of Reporting Pers all applicable) Director Officer (give title	on(s) to Issuer 10% Owner Other (specify
	(First) (Midd . SMITH CORPORATION 0 WEST PARK PLACE		3. Date of Earliest Transaction (Month/Day/Year) 02/09/2010	X	below) Senior Vice Presid	below)
(Street) MILWAUKEE (City)	WI (State)	53224 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi Line) X	idual or Joint/Group Filing Form filed by One Repo Form filed by More than Person	rting 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)					5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(11341 4)
Common Stock	02/09/2010		М		2,100	Α	\$42.82	9,795	D	
Common Stock	02/09/2010		F		929	D	\$42.82	8,866	D	

 

 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. Transa Code ( 8)		of Deri Sec Acq (A) o Disp of (E (Inst	of Expiration Date Derivative (Month/Day/Year) Securities Acquired		Amount of		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: 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				
Phantom Stock	(1)	02/09/2010		М			2,100	(1)	(1)	Common Stock	2,100	\$ <mark>0</mark>	6,000	D	

Explanation of Responses:

1. 2,100 shares of phantom stock were granted on February 9, 2007, under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3. The 2,100 shares of phantom stock vested on February 9, 2010. As a result of vesting, the Company is obligated to deliver 2,100 shares of Common Stock to the reporting Person.

Remarks:

#### James F. Stern, Attorney-in-

02/11/2010

Date

\*\* Signature of Reporting Person

Fact for Steve W. Rettler

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.

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 Number.