

Ding Wei
 Form 4
 February 13, 2018

FORM 4

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

OMB APPROVAL

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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(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Ding Wei

(Last) (First) (Middle)

A. O. SMITH (CHINA) WATER HEATER CO. LTD, 336 YAO XIN AVENUE

(Street)

NANJING, F3 210038

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)
 02/09/2018

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 President - A. O. Smith China

6. Individual or Joint/Group Filing(Check Applicable Line)
 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 Ownership (Instr. 4)
				(A) or (D) Code V Amount Price			
Common Stock	02/09/2018		M	(1) 4,710 \$ 60.11	7,771	D	
Common Stock	02/09/2018		F	1,918 D \$ 60.11	5,853 (2)	D	

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

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SEC 1474 (9-02)

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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
Restricted Stock Units	\$ 60.11	02/09/2018		M	4,710	(1) (1)	Common Stock	4,710
Restricted Stock Units	\$ 61.76	02/12/2018		A	2,565	(3) (3)	Common Stock	2,565
Employee Stock Options (Right to Buy)	\$ 61.76	02/12/2018		A	10,660	(4) 02/12/2028	Common Stock	10,660

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Ding Wei A. O. SMITH (CHINA) WATER HEATER CO. LTD 336 YAO XIN AVENUE NANJING, F3 210038			President - A. O. Smith China	

Signatures

James F. Stern, Attorney-in-Fact for Wei Ding
02/13/2017

**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) 4,710 Restricted Stock Units were granted on 02/09/2015, under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3. 4,710 Restricted Stock Units vested on 02/09/2018. As a result of vesting, the Company is obligated to deliver 4,710 shares of Common Stock to the reporting person.
- (2) Mr. Ding is a participant in the A. O. Smith Dividend Reinvestment Plan ("Plan") and receives a quarterly dividend pursuant to the Plan. The total amount of dividends received was 22 shares of Common Stock.
- (3)

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The restricted stock units were granted on 02/12/2018 under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3. The restricted stock units become payable in Common Stock on the vesting date of 02/12/2021.

- (4) The employee stock options were granted on 02/12/2018 under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3. The options become exercisable in three annual installments of 1/3 of the award starting on 02/12/2019.

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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