

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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 | |
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|---|---|---|
| 1. Name and Address of Reporting Person* <u>Bardwell Kathleen</u> (Last) (First) (Middle) <u>5960 HEISLEY ROAD</u> (Street) <u>MENTOR OH 44060</u> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>STERIS CORP [STE]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Sr.V.P. & C.C.O.</u> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>05/30/2014</u> | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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 Shares, No Par Value | 05/30/2014 | | A | | 3,000 | A | \$0 | 15,173 | D | |
| Common Shares, No Par Value | 05/30/2014 | | F | | 370 ⁽¹⁾ | D | \$53.52 | 14,803 | D | |
| Common Shares, No Par Value | 06/02/2014 | | F | | 329 ⁽²⁾ | D | \$52.64 | 14,474 | D | |
| Common Shares, No Par Value | 06/02/2014 | | F | | 148 ⁽³⁾ | D | \$52.64 | 14,326 ⁽⁴⁾ | 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. 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 Securities Underlying Derivative Security (Instr. 3 and 4) | 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 |
| Option to Purchase Common Shares | \$53.52 | 05/30/2014 | | A | | 7,000 | | (S) | 05/30/2024 | Common Shares, No Par Value | 7,000 | \$0 | 7,000 | D | |

Explanation of Responses:

- 370 shares were withheld from the 1,155 restricted shares that vested on May 30, 2014. These 370 shares represent the value of the taxes required to be withheld pursuant to applicable employment or tax laws, as determined by the Issuer. These 1,155 shares were awarded to Ms. Bardwell on May 30, 2012 as part of an award of 4,620 restricted shares. These vested shares were valued at the NYSE closing market price on May 30, 2014.
- 329 shares were withheld from the 1,000 restricted shares that vested on June 2, 2014. These 329 shares represent the value of the taxes required to be withheld pursuant to applicable employment or tax laws, as determined by the Issuer. These 1,000 shares were awarded to Ms. Bardwell on May 31, 2011 as part of an award of 4,000 restricted shares. These vested shares were valued at the NYSE closing market price on June 2, 2014.
- 148 shares were withheld from the 450 restricted shares that vested on June 2, 2014. These 148 shares represent the value of the taxes required to be withheld pursuant to applicable employment or tax laws, as determined by the Issuer. These 450 shares were awarded to Ms. Bardwell on May 31, 2013 as part of an award of 1,800 restricted shares. These vested shares were valued at the NYSE closing market price on June 2, 2014.
- 7,660 of these Common Shares are restricted. The restrictions on these Common Shares lapse as follows: 450 on June 1, 2015; 1,000 on June 1, 2015; 1,155 on June 1, 2015; 450 on May 31, 2016; 1,155 on May 31, 2016; 450 on May 31, 2017; 750 on June 1, 2015; 750 on May 30, 2016; 750 on May 30, 2017 and 750 on May 30, 2018.
- These options become exercisable as follows: 1,750 on May 30, 2015; 1,750 on May 30, 2016; 1,750 on May 30, 2017 and 1,750 on May 30, 2018.

/s/ Dennis P. Patton,
Authorized Representative 06/03/2014
under Power of Attorney

** Signature of Reporting Person Date

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.