HERSCHER PENNY

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 4

January 10, 2018

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2. Issuer Name and Ticker or Trading

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * HERSCHER PENNY

5. Relationship of Reporting Person(s) to Issuer

Symbol PROS Holdings, Inc. [PRO]

(Check all applicable)

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

(First) (Middle)

3100 MAIN ST., SUITE 900

3. Date of Earliest Transaction

(Month/Day/Year)

01/08/2018

X_ Director 10% Owner Officer (give title Other (specify

(Street) 4. If Amendment, Date Original

(Month/Day/Year)

Filed(Month/Day/Year)

Code

(Instr. 8)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

below)

HOUSTON, TX 77002

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed

4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or

5. Amount of Securities Beneficially

Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership

Following Reported (A) or

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

Disposed of (D)

(Instr. 3, 4 and 5)

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

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 control

number.

(Instr. 8)

SEC 1474 (9-02)

(Instr. 4)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

5. Number 4. Transaction of Derivative Expiration Date Code Securities

Acquired

6. Date Exercisable and (Month/Day/Year)

7. Title and Amount of 8. Pr **Underlying Securities** (Instr. 3 and 4)

Deri Secu (Inst

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Derivative (A) or Security Disposed of (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Expiration Title Amount Exercisable Date orNumber of Shares Restricted Common (2) (2) Stock <u>(1)</u> 01/08/2018 Α 5,594 5,594

Stock

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

HERSCHER PENNY
3100 MAIN ST., SUITE 900 X
HOUSTON, TX 77002

Signatures

Units

Damian W. Olthoff, attorney-in-fact for Penelope
Herscher

01/10/2018

**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) Each restricted stock unit represents the contingent right to receive one share of PROS Holdings, Inc. common stock.
- (2) Includes 5,594 restricted stock units awarded on January 8, 2018 which fully vest on January 10, 2019.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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