STARRETT L S CO Form SC 13G February 14, 2017

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

	THE L. S. STARR	ETT COMPANY
	(Name of Issuer)	
	Class A Common Stock, \$	1 par value
(Title	of Class of Securities)	
	855668109	
	(CUSIP Number) June 9, 2016	
(Date of Event W	Which Requires Filing of	this Statement)
Check the appropriate box to des	signate the rule pursuan	t to which this
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover paginitial filing on this form wit and for any subsequent amendmenthe disclosures provided in a page 1.	th respect to the subject to containing information	t class of securities,
The information required in the deemed to be "filed" for the pur Act of 1934 ("Act") or otherwise of the Act but shall be subject see the Notes).	rpose of Section 18 of t e subject to the liabili	he Securities Exchange ties of that section
CUSIP NO. 855668109	13G	
(1) NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS		ities only).
Renaissance Technologies I	LLC 26-0385758	
(2) CHECK THE APPROPRIATE BOX I	F A MEMBER OF A GROUP (SEE INSTRUCTIONS):

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF O	RGANIZATION		
	Delaware 			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:			(5)	SOLE VOTING POWER
			318,931	
		(6)	SHARED VOTING POWER	
			0	
		(7)	SOLE DISPOSITIVE POWER	
			330,980	
		(8)	SHARED DISPOSITIVE POWER	
			18,820	
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
		349,800		
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)			
	(ODE INCTIONAL)			[_]
(11)	PERCENT OF CLASS REPRES	ENTED BY AMOUNT IN	ROW	(9)
		5.56 %		
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IA			
		Page 2 of 8 pag		
====		Page 3 of 8 page		
CUS	 IP NO. 855668109	13G		Page 3 of 8 Page
	NAMES OF REPORTING PERSO	NS.		
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]			
(3)	SEC USE ONLY			

Delaware	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED	318,931
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	330,980
	(8) SHARED DISPOSITIVE POWER
	18,820
(9) AGGREGATE AMOUNT BENEFIC	CIALLY OWNED BY EACH REPORTING PERSON
	349,800
(SEE INSTRUCTIONS)	TE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES _]
(11) PERCENT OF CLASS REPRES	ENTED BY AMOUNT IN ROW (9)
	5.56 %
(12) TYPE OF REPORTING PERSON	(SEE INSTRUCTIONS) HC
	Page 3 of 8 pages
CUSIP NO. 855668109	 13G Page 4 of 8 Page:
(a) Name of Issuer	
THE L. S. STARRETT CO	MPANY
(b) Address of Issuer's P	rincipal Executive Offices.
121 CRESCENT STREET,	ATHOL, MASSACHUSETTS 01331-1915
Item 2.	
(a) Name of Person Filing	:
	being filed by Renaissance Technologies LLC nce Technologies Holdings Corporation ("RTHC").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

Class A Common Stock, \$1 par value

(e) CUSIP Number.

855668109

Page 4 of 8 pages

Item 3. If this statement is filed pursuant to Rule 13d-1 (b) or 13-d-2 (b) or (c), check whether the person filing is a:

- (a) [_] Broker or dealer registered under section 15 of the Act.
- (b) [_] Bank as defined in section 3(a)(6) of the Act.
- (c) [_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b) (1) (ii) (E).
- (f) [_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1 (b) (1) (ii) (F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) $[_]$ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) [_] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940.
- (j) $[_]$ Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

(a) Amount beneficially owned.

RTC: 349,800 shares

RTHC: 349,800 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 5.56 % RTHC: 5.56 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 318,931 RTHC: 318,931

(ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 330,980 RTHC: 330,980

(iv) Shared power to dispose or to direct the disposition of:

RTC: 18,820 RTHC: 18,820

Page 5 of 8 pages

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

Page 6 of 8 pages

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See $18\ U.S.C.\ 1001$).

Page 7 of 8 Pages

EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the Class A Common Stock, \$1 par value of THE L. S. STARRETT COMPANY.

Date: February 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

Page 8 of 8 Pages