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
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1. Name and Add <u>CRONIN K</u>	1 6	·	2. Issuer Name and Ticker or Trading Symbol <u>CHICAGO MERCANTILE EXCHANGE</u> <u>HOLDINGS INC</u> [CME]		ationship of Reporting Pe < all applicable) Director Officer (give title below)	erson(s) to Issuer 10% Owner Other (specify below)	
(Last) (First) 20 S. WACKER DRIVE		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 06/15/2007		MD General Counse	,	
(Street) CHICAGO	IL (State)	60606	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)					

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)	ecution Date, any Code (Instr		4. Securities Disposed Of			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock Class A	06/15/2007		М		600	A	\$63.01	2,393	D	
Common Stock Class A	06/15/2007		S		600(1)	D	\$551.5	1,793	D	
Common Stock Class A	06/15/2007		F		35 ⁽²⁾	D	\$552.7	1,758	D	
Common Stock Class A	06/15/2007		Α		175	A	\$0	1,933	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	conversion Date Date Execution Date, r Exercise (Month/Day/Year) if any Code (Instr rice of erivative					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	Amount or Number of Shares				
Non- Qualified Stock Option (right to buy)	\$63.01	06/15/2007		м			600	06/06/2007 ⁽³⁾	06/06/2013	Common Stock Class A	600	\$0	1,160	D	
Non- Qualified Stock Option (right to buy)	\$552.7	06/15/2007		A		1,180		06/15/2008 ⁽⁴⁾	06/15/2017	Common Stock Class A	1,180	\$0	1,180	D	

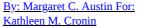
Explanation of Responses:

1. This sale was completed pursuant to the terms of a pre-arranged trading plan established in accordance with Rule 10b5-1.

2. Ms. Cronin surrendered shares to the Company in order to fulfill tax withholding obligations upon the vesting of restricted stock on June 15, 2007.

3. On June 6, 2007, this option vested with respect to 80% of the granted number of shares covered by the option. On the anniversary of that date in the subsequent year, the option will vest with respect to an additional 20% of the shares covered by the option, subject to acceleration or termination in certain circumstances.

4. These options were granted on June 15, 2007. They vest over a five-year period, with 20% vesting one year after the grant date and 20% vesting on that same date in each of the following four years, subject to acceleration or termination in certain circumstances.



06/19/2007

Date

** Signature of Reporting Person

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

 \ast 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.