

John Hancock
Small Cap Growth Fund

Quarterly portfolio holdings 5/31/2023

John Hancock[®] Investment Management

Fund's investments

As of 5-31-23 (unaudited)

	Shares	Value
Common stocks 97.6%		\$387,309,814
(Cost \$377,035,660)		
Consumer discretionary 11.4%		45,305,572
Automobile components 2.8%		
Fox Factory Holding Corp. (A)	60,798	5,406,158
Visteon Corp. (A)	43,098	5,757,031
Broadline retail 1.6%		
Ollie's Bargain Outlet Holdings, Inc. (A)	115,585	6,371,045
Hotels, restaurants and leisure 5.1%		
Boyd Gaming Corp.	173,824	11,077,804
Texas Roadhouse, Inc.	85,534	9,229,119
Household durables 1.9%		
Skyline Champion Corp. (A)	128,409	7,464,415
Consumer staples 5.7%		22,781,508
Beverages 2.0%		
MGP Ingredients, Inc.	84,529	8,035,327
Consumer staples distribution and retail 1.8%		
BJ's Wholesale Club Holdings, Inc. (A)	57,209	3,584,144
Performance Food Group Company (A)	68,342	3,778,629
Food products 1.9%		
Freshpet, Inc. (A)(B)	123,551	7,383,408
Energy 3.1%		12,266,065
Energy equipment and services 1.7%		
Cactus, Inc., Class A	208,418	6,581,840
Oil, gas and consumable fuels 1.4%		
Earthstone Energy, Inc., Class A (A)(B)	473,291	5,684,225
Financials 9.7%		38,622,595
Banks 2.6%		
Axos Financial, Inc. (A)	269,024	10,174,487
Capital markets 1.3%		
PJT Partners, Inc., Class A	77,827	5,245,540
Insurance 5.8%		
Kinsale Capital Group, Inc.	46,100	13,967,378
Palomar Holdings, Inc. (A)	168,957	9,235,190
Health care 22.8%		90,300,412
Biotechnology 5.9%		
Avid Bioservices, Inc. (A)	433,021	6,690,174
Halozyne Therapeutics, Inc. (A)	297,630	9,652,141
PTC Therapeutics, Inc. (A)	169,248	7,103,339
Health care equipment and supplies 6.6%		
Inmode, Ltd. (A)	156,903	4,953,428
Lantheus Holdings, Inc. (A)	126,349	10,940,560
Merit Medical Systems, Inc. (A)	121,669	10,025,526
Health care providers and services 7.1%		
Addus HomeCare Corp. (A)	100,769	9,084,325
AMN Healthcare Services, Inc. (A)	86,579	8,221,542
The Ensign Group, Inc.	122,546	10,858,801
Health care technology 2.1%		
Evolent Health, Inc., Class A (A)	289,044	8,422,742

	Shares	Value	
Health care (continued)			
Life sciences tools and services 1.1%			
CryoPort, Inc. (A)	236,167	\$4,347,834	
Industrials 17.7%		70,146,555	
Aerospace and defense 2.6%			
AeroVironment, Inc. (A)	110,318	10,304,804	
Commercial services and supplies 6.4%			
Heritage-Crystal Clean, Inc. (A)	179,046	5,937,165	
MSA Safety, Inc.	59,321	8,160,197	
The Brink's Company	170,229	11,325,335	
Machinery 2.4%			
Chart Industries, Inc. (A)	57,352	6,293,235	
EnPro Industries, Inc.	32,266	3,261,447	
Trading companies and distributors 6.3%			
Applied Industrial Technologies, Inc.	83,368	10,250,929	
H&E Equipment Services, Inc.	158,630	5,704,335	
Rush Enterprises, Inc., Class A	170,444	8,909,108	
Information technology 24.3%		96,569,735	
Communications equipment 2.6%			
Calix, Inc. (A)	169,645	7,907,153	
Extreme Networks, Inc. (A)	112,282	2,313,009	
Electronic equipment, instruments and components 2.5%			
Napco Security Technologies, Inc.	269,950	10,039,441	
Semiconductors and semiconductor equipment 6.3%			
Allegro MicroSystems, Inc. (A)	224,724	8,838,395	
Axcelis Technologies, Inc. (A)	25,248	3,977,822	
Impinj, Inc. (A)	40,547	4,149,580	
Onto Innovation, Inc. (A)	75,652	8,121,242	
Software 12.9%			
DoubleVerify Holdings, Inc. (A)	355,293	12,389,067	
Nutanix, Inc., Class A (A)	418,919	12,408,381	
Sprout Social, Inc., Class A (A)	173,641	7,520,392	
SPS Commerce, Inc. (A)	39,686	6,183,079	
Workiva, Inc. (A)	131,346	12,722,174	
Materials 2.9%		11,317,372	
Chemicals 2.9%			
Aspen Aerogels, Inc. (A)	541,448	3,557,313	
Livent Corp. (A)(B)	336,662	7,760,059	
	Yield (%)	Shares	Value
Short-term investments 7.7%			\$30,630,823
(Cost \$30,630,399)			
Short-term funds 7.7%			30,630,823
John Hancock Collateral Trust (C)	4.5317(D)	1,713,357	17,125,684
State Street Institutional U.S. Government Money Market Fund, Premier Class	5.0038(D)	13,505,139	13,505,139
Total investments (Cost \$407,666,059) 105.3%			\$417,940,637
Other assets and liabilities, net (5.3%)			(20,905,624)
Total net assets 100.0%			\$397,035,013

The percentage shown for each investment category is the total value of the category as a percentage of the net assets of the fund.

Security Abbreviations and Legend

- (A) Non-income producing security.
- (B) All or a portion of this security is on loan as of 5-31-23. The value of securities on loan amounted to \$16,785,694.
- (C) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.
- (D) The rate shown is the annualized seven-day yield as of 5-31-23.

Notes to Fund's investments (unaudited)

Security valuation. Investments are stated at value as of the scheduled close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the net asset value (NAV) may be determined as of the regularly scheduled close of the NYSE pursuant to the Advisor's Valuation Policies and Procedures.

In order to value the securities, the fund uses the following valuation techniques: Equity securities, including exchange-traded or closed-end funds, are typically valued at the last sale price or official closing price on the exchange or principal market where the security trades. In the event there were no sales during the day or closing prices are not available, the securities are valued using the last available bid price. Investments by the fund in open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day.

In certain instances, the Pricing Committee of the Advisor may determine to value equity securities using prices obtained from another exchange or market if trading on the exchange or market on which prices are typically obtained did not open for trading as scheduled, or if trading closed earlier than scheduled, and trading occurred as normal on another exchange or market.

Other portfolio securities and assets, for which reliable market quotations are not readily available, are valued at fair value as determined in good faith by the Pricing Committee following procedures established by the Advisor and adopted by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed.

The fund uses a three tier hierarchy to prioritize the pricing assumptions, referred to as inputs, used in valuation techniques to measure fair value. Level 1 includes securities valued using quoted prices in active markets for identical securities, including registered investment companies. Level 2 includes securities valued using other significant observable inputs. Observable inputs may include quoted prices for similar securities, interest rates, prepayment speeds and credit risk. Prices for securities valued using these inputs are received from independent pricing vendors and brokers and are based on an evaluation of the inputs described. Level 3 includes securities valued using significant unobservable inputs when market prices are not readily available or reliable, including the Advisor's assumptions in determining the fair value of investments. Factors used in determining value may include market or issuer specific events or trends, changes in interest rates and credit quality. The inputs or methodology used for valuing securities are not necessarily an indication of the risks associated with investing in those securities. Changes in valuation techniques and related inputs may result in transfers into or out of an assigned level within the disclosure hierarchy.

As of May 31, 2023, all investments are categorized as Level 1 under the hierarchy described above.

Investment in affiliated underlying funds. The fund may invest in affiliated underlying funds that are managed by the Advisor and its affiliates. Information regarding the fund's fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the fund, if any, is as follows:

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
John Hancock Collateral Trust	1,713,357	\$12,646,327	\$131,305,973	\$(126,827,345)	\$(996)	\$1,725	\$20,240	—	\$17,125,684

For additional information on the fund's significant accounting policies and risks, please refer to the fund's most recent semiannual or annual shareholder report and prospectus.