

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

500 Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.1%		
Communication services – 8.1%		
Diversified telecommunication services – 0.7%		
AT&T, Inc.	1,457,095	\$ 23,240,665
Verizon Communications, Inc.	855,981	31,833,933
		55,074,598
Entertainment – 1.4%		
Activision Blizzard, Inc. (A)	145,179	12,238,590
Electronic Arts, Inc.	53,249	6,906,395
Live Nation Entertainment, Inc. (A)	28,643	2,609,664
Netflix, Inc. (A)	90,376	39,809,724
Take-Two Interactive Software, Inc. (A)	32,753	4,819,931
The Walt Disney Company (A)	370,794	33,104,488
Warner Brothers Discovery, Inc. (A)	445,343	5,584,601
		105,073,393
Interactive media and services – 5.1%		
Alphabet, Inc., Class A (A)	1,207,004	144,478,379
Alphabet, Inc., Class C (A)	1,038,181	125,588,756
Match Group, Inc. (A)	57,048	2,387,459
Meta Platforms, Inc., Class A (A)	449,428	128,976,847
		401,431,441
Media – 0.7%		
Charter Communications, Inc., Class A (A)	20,941	7,693,095
Comcast Corp., Class A	845,938	35,148,724
Fox Corp., Class A	54,789	1,862,826
Fox Corp., Class B	28,364	904,528
News Corp., Class A	77,739	1,515,911
News Corp., Class B	24,074	474,739
Omnicom Group, Inc.	41,295	3,929,219
Paramount Global, Class B (B)	101,798	1,619,606
The Interpublic Group of Companies, Inc.	78,829	3,041,223
		56,189,871
Wireless telecommunication services – 0.2%		
T-Mobile US, Inc. (A)	116,906	16,238,243
		634,007,546
Consumer discretionary – 10.2%		
Automobile components – 0.1%		
Aptiv PLC (A)	54,618	5,575,952
BorgWarner, Inc.	47,743	2,335,110
		7,911,062
Automobiles – 2.1%		
Ford Motor Company	796,171	12,046,067
General Motors Company	282,902	10,908,701
Tesla, Inc. (A)	547,354	143,280,857
		166,235,625
Broadline retail – 3.1%		
Amazon.com, Inc. (A)	1,813,561	236,415,812
eBay, Inc.	107,458	4,802,298
Etsy, Inc. (A)	25,524	2,159,586
		243,377,696
Distributors – 0.1%		
Genuine Parts Company	28,512	4,825,086
LKQ Corp.	52,549	3,062,030
Pool Corp.	7,981	2,990,002
		10,877,118
Hotels, restaurants and leisure – 2.0%		
Booking Holdings, Inc. (A)	7,504	20,263,276
Caesars Entertainment, Inc. (A)	43,225	2,203,178
Carnival Corp. (A)(B)	208,498	3,926,017
Chipotle Mexican Grill, Inc. (A)	5,597	11,971,983
Darden Restaurants, Inc.	24,711	4,128,714
Domino's Pizza, Inc.	7,234	2,437,786
Expedia Group, Inc. (A)	29,012	3,173,623

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Hilton Worldwide Holdings, Inc.	54,115	\$ 7,876,438
Las Vegas Sands Corp. (A)	66,241	3,841,978
Marriott International, Inc., Class A	52,510	9,645,562
McDonald's Corp.	148,298	44,253,606
MGM Resorts International	61,631	2,706,834
Norwegian Cruise Line Holdings, Ltd. (A)	84,949	1,849,340
Royal Caribbean Cruises, Ltd. (A)	44,220	4,587,382
Starbucks Corp.	233,181	23,098,910
Wynn Resorts, Ltd.	20,864	2,203,447
Yum! Brands, Inc.	57,362	7,947,505
		156,115,579
Household durables – 0.4%		
D.R. Horton, Inc.	62,440	7,598,324
Garmin, Ltd.	31,103	3,243,732
Lennar Corp., A Shares	51,404	6,441,435
Mohawk Industries, Inc. (A)	10,631	1,096,694
Newell Brands, Inc.	75,874	660,104
NVR, Inc. (A)	622	3,950,086
PulteGroup, Inc.	44,644	3,467,946
Whirlpool Corp.	10,989	1,635,053
		28,093,374
Leisure products – 0.0%		
Hasbro, Inc.	26,168	1,694,901
Specialty retail – 2.0%		
Advance Auto Parts, Inc.	12,225	859,418
AutoZone, Inc. (A)	3,744	9,335,140
Bath & Body Works, Inc.	46,024	1,725,900
Best Buy Company, Inc.	40,399	3,310,698
CarMax, Inc. (A)	32,087	2,685,682
Lowe's Companies, Inc.	121,234	27,362,514
O'Reilly Automotive, Inc. (A)	12,376	11,822,793
Ross Stores, Inc.	69,253	7,765,339
The Home Depot, Inc.	205,805	63,931,265
The TJX Companies, Inc.	234,414	19,875,963
Tractor Supply Company	22,377	4,947,555
Ulta Beauty, Inc. (A)	10,112	4,758,657
		158,380,924
Textiles, apparel and luxury goods – 0.4%		
NIKE, Inc., Class B	250,339	27,629,915
Ralph Lauren Corp.	8,648	1,066,298
Tapestry, Inc.	47,507	2,033,300
VF Corp.	66,571	1,270,840
		32,000,353
		804,686,632
Consumer staples – 6.4%		
Beverages – 1.6%		
Brown-Forman Corp., Class B	36,859	2,461,444
Constellation Brands, Inc., Class A	33,000	8,122,290
Keurig Dr. Pepper, Inc.	171,282	5,355,988
Molson Coors Beverage Company, Class B	37,938	2,497,838
Monster Beverage Corp. (A)	155,076	8,907,565
PepsiCo, Inc.	280,270	51,911,609
The Coca-Cola Company	789,862	47,565,490
		126,822,224
Consumer staples distribution and retail – 1.8%		
Costco Wholesale Corp.	90,061	48,487,041
Dollar General Corp.	44,242	7,511,407
Dollar Tree, Inc. (A)	42,553	6,106,356
Sysco Corp.	102,707	7,620,859
Target Corp.	93,478	12,329,748
The Kroger Company	134,411	6,317,317
Walgreens Boots Alliance, Inc.	144,610	4,119,939

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500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer staples distribution and retail (continued)		
Walmart, Inc.	284,588	\$ 44,731,542
		137,224,209
Food products – 1.0%		
Archer-Daniels-Midland Company	111,141	8,397,814
Bunge, Ltd.	30,477	2,875,505
Campbell Soup Company	40,598	1,855,735
Conagra Brands, Inc.	96,783	3,263,523
General Mills, Inc.	120,091	9,210,980
Hormel Foods Corp.	58,343	2,346,555
Kellogg Company	51,423	3,465,910
Lamb Weston Holdings, Inc.	30,263	3,478,732
McCormick & Company, Inc.	50,494	4,404,592
Mondelez International, Inc., Class A	276,298	20,153,176
The Hershey Company	30,148	7,527,956
The J.M. Smucker Company	21,481	3,172,099
The Kraft Heinz Company	160,576	5,700,448
Tyson Foods, Inc., Class A	58,385	2,979,970
		78,832,995
Household products – 1.3%		
Church & Dwight Company, Inc.	48,969	4,908,163
Colgate-Palmolive Company	167,996	12,942,412
Kimberly-Clark Corp.	69,160	9,548,230
The Clorox Company	24,829	3,948,804
The Procter & Gamble Company	478,647	72,629,896
		103,977,505
Personal care products – 0.1%		
The Estee Lauder Companies, Inc., Class A	47,287	9,286,221
Tobacco – 0.6%		
Altria Group, Inc.	363,034	16,445,440
Philip Morris International, Inc.	316,026	30,850,458
		47,295,898
		503,439,052
Energy – 3.9%		
Energy equipment and services – 0.3%		
Baker Hughes Company	208,918	6,603,898
Halliburton Company	182,834	6,031,694
Schlumberger, Ltd.	288,412	14,166,797
		26,802,389
Oil, gas and consumable fuels – 3.6%		
APA Corp.	61,418	2,098,653
Chevron Corp.	354,075	55,713,701
ConocoPhillips	245,894	25,477,077
Coterra Energy, Inc.	154,272	3,903,082
Devon Energy Corp.	128,973	6,234,555
Diamondback Energy, Inc.	37,360	4,907,610
EOG Resources, Inc.	119,444	13,669,171
EQT Corp.	74,581	3,067,517
Exxon Mobil Corp.	821,406	88,095,794
Hess Corp.	56,175	7,636,991
Kinder Morgan, Inc.	399,686	6,882,593
Marathon Oil Corp.	122,835	2,827,662
Marathon Petroleum Corp.	86,255	10,057,333
Occidental Petroleum Corp.	145,196	8,537,525
ONEOK, Inc.	90,085	5,560,046
Phillips 66	93,049	8,875,014
Pioneer Natural Resources Company	47,377	9,815,567
Targa Resources Corp.	45,672	3,475,639
The Williams Companies, Inc.	245,648	8,015,494
Valero Energy Corp.	73,505	8,622,137
		283,473,161
		310,275,550

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financials – 11.9%		
Banks – 2.9%		
Bank of America Corp.	1,408,337	\$ 40,405,189
Citigroup, Inc.	396,449	18,252,512
Citizens Financial Group, Inc.	99,919	2,605,888
Comerica, Inc. (B)	26,372	1,117,118
Fifth Third Bancorp	138,331	3,625,656
Huntington Bancshares, Inc.	290,737	3,134,145
JPMorgan Chase & Co.	593,527	86,322,567
KeyCorp	188,019	1,737,296
M&T Bank Corp.	33,129	4,100,045
Regions Financial Corp.	188,368	3,356,718
The PNC Financial Services Group, Inc.	81,521	10,267,570
Truist Financial Corp.	271,505	8,240,177
U.S. Bancorp	282,805	9,343,877
Wells Fargo & Company	761,966	32,520,709
Zions Bancorp NA (B)	30,334	814,771
		225,844,238
Capital markets – 2.5%		
Ameriprise Financial, Inc.	21,341	7,088,627
BlackRock, Inc.	30,394	21,006,509
Choe Global Markets, Inc.	21,381	2,950,792
CME Group, Inc.	73,182	13,559,893
FactSet Research Systems, Inc.	7,656	3,067,376
Franklin Resources, Inc.	57,265	1,529,548
Intercontinental Exchange, Inc.	113,935	12,883,770
Invesco, Ltd.	91,704	1,541,544
MarketAxess Holdings, Inc.	7,588	1,983,655
Moody's Corp.	32,248	11,213,275
Morgan Stanley	265,081	22,637,917
MSCI, Inc.	16,229	7,616,107
Nasdaq, Inc.	68,329	3,406,201
Northern Trust Corp.	42,010	3,114,621
Raymond James Financial, Inc.	39,158	4,063,426
S&P Global, Inc.	66,818	26,786,668
State Street Corp.	67,889	4,968,117
T. Rowe Price Group, Inc.	45,498	5,096,686
The Bank of New York Mellon Corp.	144,887	6,450,369
The Charles Schwab Corp.	302,000	17,117,360
The Goldman Sachs Group, Inc.	67,497	21,770,482
		199,852,943
Consumer finance – 0.5%		
American Express Company	120,916	21,063,567
Capital One Financial Corp.	77,375	8,462,504
Discover Financial Services	51,569	6,025,838
Synchrony Financial	88,621	3,006,024
		38,557,933
Financial services – 4.0%		
Berkshire Hathaway, Inc., Class B (A)	362,216	123,515,656
Fidelity National Information Services, Inc.	120,006	6,564,328
Fiserv, Inc. (A)	125,443	15,824,634
FleetCor Technologies, Inc. (A)	15,122	3,796,832
Global Payments, Inc.	53,450	5,265,894
Jack Henry & Associates, Inc.	14,688	2,457,743
Mastercard, Inc., Class A	169,994	66,858,640
PayPal Holdings, Inc. (A)	226,772	15,132,496
Visa, Inc., Class A	328,722	78,064,901
		317,481,124
Insurance – 2.0%		
Aflac, Inc.	111,519	7,784,026
American International Group, Inc.	146,914	8,453,432
Aon PLC, Class A	41,682	14,388,626
Arch Capital Group, Ltd. (A)	76,533	5,728,495
Arthur J. Gallagher & Company	43,854	9,629,023

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Assurant, Inc.	10,727	\$ 1,348,598
Brown & Brown, Inc.	47,261	3,253,447
Chubb, Ltd.	84,194	16,212,397
Cincinnati Financial Corp.	32,093	3,123,291
Everest Re Group, Ltd.	8,670	2,963,926
Globe Life, Inc.	18,268	2,002,538
Lincoln National Corp.	31,227	804,408
Loews Corp.	37,763	2,242,367
Marsh & McLennan Companies, Inc.	100,599	18,920,660
MetLife, Inc.	129,973	7,347,374
Principal Financial Group, Inc.	46,727	3,543,776
Prudential Financial, Inc.	74,993	6,615,882
The Allstate Corp.	53,297	5,811,505
The Hartford Financial Services Group, Inc.	63,123	4,546,118
The Progressive Corp.	118,892	15,737,734
The Travelers Companies, Inc.	46,897	8,144,133
W.R. Berkley Corp.	41,177	2,452,502
Willis Towers Watson PLC (B)	21,567	5,079,029
		156,133,287
		937,869,525
Health care – 12.9%		
Biotechnology – 1.8%		
AbbVie, Inc.	358,849	48,347,726
Amgen, Inc.	108,401	24,067,190
Biogen, Inc. (A)	29,254	8,333,002
Gilead Sciences, Inc.	252,671	19,473,354
Incyte Corp. (A)	37,218	2,316,821
Moderna, Inc. (A)	66,941	8,133,332
Regeneron Pharmaceuticals, Inc. (A)	22,010	15,815,065
Vertex Pharmaceuticals, Inc. (A)	52,203	18,370,758
		144,857,248
Health care equipment and supplies – 2.8%		
Abbott Laboratories	352,948	38,478,391
Align Technology, Inc. (A)	14,644	5,178,704
Baxter International, Inc.	101,525	4,625,479
Becton, Dickinson and Company	57,493	15,178,727
Boston Scientific Corp. (A)	291,355	15,759,392
Dentsply Sirona, Inc.	43,433	1,738,189
DexCom, Inc. (A)	79,149	10,171,438
Edwards Lifesciences Corp. (A)	123,321	11,632,870
GE HealthCare Technologies, Inc.	73,686	5,986,251
Hologic, Inc. (A)	50,328	4,075,058
IDEXX Laboratories, Inc. (A)	16,783	8,428,926
Insulet Corp. (A)	14,119	4,071,072
Intuitive Surgical, Inc. (A)	71,117	24,317,747
Medtronic PLC	269,797	23,769,116
ResMed, Inc.	30,153	6,588,431
STERIS PLC	20,162	4,536,047
Stryker Corp.	68,912	21,024,362
Teleflex, Inc.	9,456	2,288,636
The Cooper Companies, Inc.	9,946	3,813,595
Zimmer Biomet Holdings, Inc.	42,298	6,158,589
		217,821,020
Health care providers and services – 2.8%		
AmerisourceBergen Corp.	32,649	6,282,647
Cardinal Health, Inc.	52,447	4,959,913
Centene Corp. (A)	111,812	7,541,719
CVS Health Corp.	260,458	18,005,462
DaVita, Inc. (A)	11,227	1,127,977
Elevance Health, Inc.	48,043	21,345,024
HCA Healthcare, Inc.	41,925	12,723,399
Henry Schein, Inc. (A)	27,440	2,225,384
Humana, Inc.	25,513	11,407,628

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Laboratory Corp. of America Holdings	18,224	\$ 4,397,998
McKesson Corp.	27,395	11,706,157
Molina Healthcare, Inc. (A)	11,713	3,528,424
Quest Diagnostics, Inc.	22,514	3,164,568
The Cigna Group	60,023	16,842,454
UnitedHealth Group, Inc.	189,141	90,908,730
Universal Health Services, Inc., Class B	13,248	2,090,137
		218,257,621
Life sciences tools and services – 1.5%		
Agilent Technologies, Inc.	60,218	7,241,215
Bio-Rad Laboratories, Inc., Class A (A)	4,320	1,637,798
Bio-Techne Corp.	31,636	2,582,447
Charles River Laboratories International, Inc. (A)	10,254	2,155,904
Danaher Corp.	134,969	32,392,560
Illumina, Inc. (A)	32,249	6,046,365
IQVIA Holdings, Inc. (A)	37,599	8,451,127
Mettler-Toledo International, Inc. (A)	4,424	5,802,695
Revvity, Inc.	25,446	3,022,730
Thermo Fisher Scientific, Inc.	78,344	40,875,982
Waters Corp. (A)	12,071	3,217,404
West Pharmaceutical Services, Inc.	14,928	5,709,512
		119,135,739
Pharmaceuticals – 4.0%		
Bristol-Myers Squibb Company	426,864	27,297,953
Catalent, Inc. (A)	36,128	1,566,510
Eli Lilly & Company	160,047	75,058,842
Johnson & Johnson	527,965	87,388,767
Merck & Company, Inc.	515,833	59,521,970
Organon & Company	51,271	1,066,950
Pfizer, Inc.	1,146,927	42,069,282
Viatis, Inc.	244,448	2,439,591
Zoetis, Inc.	94,374	16,252,147
		312,662,012
		1,012,733,640
Industrials – 8.3%		
Aerospace and defense – 1.6%		
Axon Enterprise, Inc. (A)	14,374	2,804,655
General Dynamics Corp.	46,034	9,904,215
Howmet Aerospace, Inc.	74,531	3,693,756
Huntington Ingalls Industries, Inc.	8,053	1,832,863
L3Harris Technologies, Inc.	38,576	7,552,024
Lockheed Martin Corp.	45,691	21,035,223
Northrop Grumman Corp.	28,986	13,211,819
Raytheon Technologies Corp.	297,656	29,158,382
Textron, Inc.	40,372	2,730,358
The Boeing Company (A)	114,916	24,265,663
TransDigm Group, Inc.	10,576	9,456,742
		125,645,700
Air freight and logistics – 0.6%		
CH Robinson Worldwide, Inc.	23,622	2,228,736
Expeditors International of Washington, Inc.	30,470	3,690,831
FedEx Corp.	47,119	11,680,800
United Parcel Service, Inc., Class B	147,228	26,390,619
		43,990,986
Building products – 0.4%		
A.O. Smith Corp.	25,900	1,885,002
Allegion PLC	17,708	2,125,314
Carrier Global Corp.	169,658	8,433,699
Johnson Controls International PLC	138,860	9,461,920
Masco Corp.	45,463	2,608,667

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Building products (continued)		
Trane Technologies PLC	46,713	\$ 8,934,328
		33,448,930
Commercial services and supplies – 0.5%		
Cintas Corp.	17,644	8,770,480
Copart, Inc. (A)	87,962	8,023,014
Republic Services, Inc.	41,399	6,341,085
Rollins, Inc.	46,656	1,998,276
Waste Management, Inc.	74,914	12,991,586
		38,124,441
Construction and engineering – 0.1%		
Quanta Services, Inc.	29,650	5,824,743
Electrical equipment – 0.6%		
AMETEK, Inc.	47,247	7,648,344
Eaton Corp. PLC	81,124	16,314,036
Emerson Electric Company	116,029	10,487,861
Generac Holdings, Inc. (A)	12,868	1,919,005
Rockwell Automation, Inc.	23,271	7,666,631
		44,035,877
Ground transportation – 0.8%		
CSX Corp.	412,694	14,072,865
JB Hunt Transport Services, Inc.	16,742	3,030,804
Norfolk Southern Corp.	46,261	10,490,144
Old Dominion Freight Line, Inc.	18,477	6,831,871
Union Pacific Corp.	124,152	25,403,982
		59,829,666
Industrial conglomerates – 0.8%		
3M Company	111,605	11,170,544
General Electric Company	221,058	24,283,221
Honeywell International, Inc.	135,072	28,027,440
		63,481,205
Machinery – 1.7%		
Caterpillar, Inc.	104,677	25,755,776
Cummins, Inc.	28,423	6,968,183
Deere & Company	54,866	22,231,155
Dover Corp.	27,998	4,133,905
Fortive Corp.	71,706	5,361,458
IDEX Corp.	15,215	3,275,181
Illinois Tool Works, Inc.	56,223	14,064,746
Ingersoll Rand, Inc.	81,279	5,312,395
Nordson Corp.	10,898	2,704,666
Otis Worldwide Corp.	84,716	7,540,571
PACCAR, Inc.	105,147	8,795,547
Parker-Hannifin Corp.	25,879	10,093,845
Pentair PLC	33,154	2,141,748
Snap-on, Inc.	10,738	3,094,584
Stanley Black & Decker, Inc.	31,464	2,948,491
Wabtec Corp.	36,665	4,021,051
Xylem, Inc.	48,672	5,481,441
		133,924,743
Passenger airlines – 0.2%		
Alaska Air Group, Inc. (A)	25,555	1,359,015
American Airlines Group, Inc. (A)(B)	131,005	2,350,230
Delta Air Lines, Inc. (A)	132,778	6,312,266
Southwest Airlines Company	119,616	4,331,295
United Airlines Holdings, Inc. (A)	65,870	3,614,287
		17,967,093
Professional services – 0.8%		
Automatic Data Processing, Inc.	83,699	18,396,203
Broadridge Financial Solutions, Inc.	23,632	3,914,168
Ceridian HCM Holding, Inc. (A)	30,855	2,066,359
CoStar Group, Inc. (A)	82,657	7,356,473
Equifax, Inc.	24,675	5,806,028

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Jacobs Solutions, Inc.	25,725	\$ 3,058,445
Leidos Holdings, Inc.	27,526	2,435,500
Paychex, Inc.	65,904	7,372,680
Paycom Software, Inc.	9,799	3,147,831
Robert Half International, Inc.	22,088	1,661,459
Verisk Analytics, Inc.	29,412	6,647,994
		61,863,140
Trading companies and distributors – 0.2%		
Fastenal Company	115,852	6,834,109
United Rentals, Inc.	14,109	6,283,725
W.W. Grainger, Inc.	9,127	7,197,461
		20,315,295
		648,451,819
Information technology – 27.2%		
Communications equipment – 0.8%		
Arista Networks, Inc. (A)	50,544	8,191,161
Cisco Systems, Inc.	832,102	43,052,957
F5, Inc. (A)	12,007	1,756,144
Juniper Networks, Inc.	65,036	2,037,578
Motorola Solutions, Inc.	34,153	10,016,392
		65,054,232
Electronic equipment, instruments and components – 0.6%		
Amphenol Corp., Class A	121,650	10,334,168
CDW Corp.	27,264	5,002,944
Corning, Inc.	153,370	5,374,085
Keysight Technologies, Inc. (A)	36,276	6,074,416
TE Connectivity, Ltd.	64,478	9,037,236
Teledyne Technologies, Inc. (A)	9,448	3,884,167
Trimble, Inc. (A)	49,926	2,643,082
Zebra Technologies Corp., Class A (A)	10,441	3,088,761
		45,438,859
IT services – 1.1%		
Accenture PLC, Class A	128,301	39,591,123
Akamai Technologies, Inc. (A)	30,432	2,734,924
Cognizant Technology Solutions Corp., Class A	104,382	6,814,057
DXC Technology Company (A)	46,342	1,238,258
EPAM Systems, Inc. (A)	11,565	2,599,234
Gartner, Inc. (A)	15,945	5,585,693
IBM Corp.	184,496	24,687,410
VeriSign, Inc. (A)	18,144	4,100,000
		87,350,699
Semiconductors and semiconductor equipment – 7.1%		
Advanced Micro Devices, Inc. (A)	327,242	37,276,136
Analog Devices, Inc.	102,866	20,039,325
Applied Materials, Inc.	171,090	24,729,349
Broadcom, Inc.	84,760	73,523,367
Enphase Energy, Inc. (A)	28,135	4,712,050
First Solar, Inc. (A)	20,364	3,870,993
Intel Corp.	847,277	28,332,943
KLA Corp.	27,796	13,481,616
Lam Research Corp.	27,342	17,577,078
Microchip Technology, Inc.	111,377	9,978,265
Micron Technology, Inc.	222,387	14,034,844
Monolithic Power Systems, Inc.	9,238	4,990,645
NVIDIA Corp.	502,437	212,540,900
NXP Semiconductors NV	52,940	10,835,759
ON Semiconductor Corp. (A)	87,338	8,260,428
Qorvo, Inc. (A)	20,805	2,122,734
Qualcomm, Inc.	226,390	26,949,466
Skyworks Solutions, Inc.	32,345	3,580,268
SolarEdge Technologies, Inc. (A)	11,216	3,017,665
Teradyne, Inc.	31,606	3,518,696

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Texas Instruments, Inc.	184,279	\$ 33,173,906
		556,546,433
Software – 9.9%		
Adobe, Inc. (A)	93,201	45,574,357
ANSYS, Inc. (A)	17,553	5,797,229
Autodesk, Inc. (A)	43,801	8,962,123
Cadence Design Systems, Inc. (A)	55,232	12,953,009
Fair Isaac Corp. (A)	5,113	4,137,491
Fortinet, Inc. (A)	131,937	9,973,118
Gen Digital, Inc.	119,359	2,214,109
Intuit, Inc.	56,865	26,054,974
Microsoft Corp.	1,510,616	514,425,173
Oracle Corp.	312,913	37,264,809
Palo Alto Networks, Inc. (A)	61,495	15,712,587
PTC, Inc. (A)	21,312	3,032,698
Roper Technologies, Inc.	21,696	10,431,437
Salesforce, Inc. (A)	198,904	42,020,459
ServiceNow, Inc. (A)	41,468	23,303,772
Synopsys, Inc. (A)	30,838	13,427,174
Tyler Technologies, Inc. (A)	8,382	3,490,852
		778,775,371
Technology hardware, storage and peripherals – 7.7%		
Apple, Inc.	3,003,509	582,590,631
Hewlett Packard Enterprise Company	261,936	4,400,525
HP, Inc.	175,389	5,386,196
NetApp, Inc.	44,297	3,384,291
Seagate Technology Holdings PLC	39,371	2,435,884
Western Digital Corp. (A)	66,798	2,533,648
		600,731,175
		2,133,896,769
Materials – 2.4%		
Chemicals – 1.6%		
Air Products & Chemicals, Inc.	45,189	13,535,461
Albemarle Corp.	23,612	5,267,601
Celanese Corp.	20,095	2,327,001
CF Industries Holdings, Inc.	40,170	2,788,601
Corteva, Inc.	144,865	8,300,765
Dow, Inc.	144,972	7,721,209
DuPont de Nemours, Inc.	93,053	6,647,706
Eastman Chemical Company	24,757	2,072,656
Ecolab, Inc.	49,983	9,331,326
FMC Corp.	25,392	2,649,401
International Flavors & Fragrances, Inc.	51,396	4,090,608
Linde PLC	99,456	37,900,692
LyondellBasell Industries NV, Class A	51,294	4,710,328
PPG Industries, Inc.	47,374	7,025,564
The Mosaic Company	69,604	2,436,140
The Sherwin-Williams Company	47,553	12,626,273
		129,431,332
Construction materials – 0.2%		
Martin Marietta Materials, Inc.	12,574	5,805,290
Vulcan Materials Company	26,792	6,039,988
		11,845,278
Containers and packaging – 0.2%		
Amcor PLC	302,948	3,023,421
Avery Dennison Corp.	16,381	2,814,256
Ball Corp.	63,362	3,688,302
International Paper Company	72,980	2,321,494
Packaging Corp. of America	17,768	2,348,219
Sealed Air Corp.	29,277	1,171,080

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Containers and packaging (continued)		
Westrock Company	51,264	\$ 1,490,244
		16,857,016
Metals and mining – 0.4%		
Freeport-McMoRan, Inc.	291,996	11,679,840
Newmont Corp. (B)	160,001	6,825,643
Nucor Corp.	51,290	8,410,534
Steel Dynamics, Inc.	32,593	3,550,355
		30,466,372
		188,599,998
Real estate – 2.3%		
Health care REITs – 0.2%		
Healthpeak Properties, Inc.	114,906	2,309,611
Ventas, Inc.	80,579	3,808,969
Welltower, Inc.	100,960	8,166,654
		14,285,234
Hotel and resort REITs – 0.0%		
Host Hotels & Resorts, Inc.	144,118	2,425,506
Industrial REITs – 0.3%		
Prologis, Inc.	187,300	22,968,599
Office REITs – 0.1%		
Alexandria Real Estate Equities, Inc.	32,031	3,635,198
Boston Properties, Inc.	28,753	1,655,885
		5,291,083
Real estate management and development – 0.1%		
CBRE Group, Inc., Class A (A)	62,854	5,072,946
Residential REITs – 0.3%		
AvalonBay Communities, Inc.	28,969	5,482,963
Camden Property Trust	21,380	2,327,641
Equity Residential	70,442	4,647,059
Essex Property Trust, Inc.	13,129	3,076,125
Invitation Homes, Inc.	116,892	4,021,085
Mid-America Apartment Communities, Inc.	24,239	3,680,935
UDR, Inc.	64,826	2,784,925
		26,020,733
Retail REITs – 0.3%		
Federal Realty Investment Trust	14,679	1,420,487
Kimco Realty Corp.	124,682	2,458,729
Realty Income Corp.	136,829	8,181,006
Regency Centers Corp.	31,046	1,917,711
Simon Property Group, Inc.	65,992	7,620,756
		21,598,689
Specialized REITs – 1.0%		
American Tower Corp.	94,511	18,329,463
Crown Castle, Inc.	88,293	10,060,104
Digital Realty Trust, Inc.	59,346	6,757,729
Equinix, Inc.	18,987	14,884,669
Extra Space Storage, Inc.	26,996	4,018,355
Iron Mountain, Inc.	58,600	3,329,652
Public Storage	32,371	9,448,447
SBA Communications Corp.	22,392	5,189,570
VICI Properties, Inc.	203,484	6,395,502
Weyerhaeuser Company	149,243	5,001,133
		83,414,624
		181,077,414
Utilities – 2.5%		
Electric utilities – 1.6%		
Alliant Energy Corp.	50,585	2,654,701
American Electric Power Company, Inc.	104,991	8,840,242
Constellation Energy Corp.	65,890	6,032,230
Duke Energy Corp.	156,584	14,051,848
Edison International	79,070	5,491,412

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
Entergy Corp.	43,225	\$ 4,208,818
Evergy, Inc.	46,270	2,703,093
Eversource Energy	71,559	5,074,964
Exelon Corp.	203,087	8,273,764
FirstEnergy Corp.	109,430	4,254,638
NextEra Energy, Inc.	411,414	30,526,919
NRG Energy, Inc.	47,404	1,772,436
PG&E Corp. (A)	324,568	5,608,535
Pinnacle West Capital Corp.	22,789	1,856,392
PPL Corp.	148,410	3,926,929
The Southern Company	220,874	15,516,399
Xcel Energy, Inc.	112,231	6,977,401
		127,770,721
Gas utilities – 0.1%		
Atmos Energy Corp.	29,361	3,415,859
Independent power and renewable electricity producers – 0.0%		
The AES Corp.	134,651	2,791,315
Multi-utilities – 0.7%		
Ameren Corp.	53,877	4,400,135
CenterPoint Energy, Inc.	126,903	3,699,222
CMS Energy Corp.	58,502	3,436,993
Consolidated Edison, Inc.	69,875	6,316,700
Dominion Energy, Inc.	170,188	8,814,037
DTE Energy Company	42,108	4,632,722
NiSource, Inc.	87,299	2,387,628
Public Service Enterprise Group, Inc.	100,567	6,296,500

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P 500 E-Mini Index Futures	1,424	Long	Sep 2023	\$309,888,509	\$319,563,400	\$9,674,891
						\$9,674,891

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

American Asset Allocation Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Asset Allocation Fund - Class 1	50,250,256	\$ 1,142,690,818
TOTAL INVESTMENT COMPANIES (Cost \$1,096,795,278)		\$ 1,142,690,818
Total Investments (American Asset Allocation Trust) (Cost \$1,096,795,278) - 100.0%		\$ 1,142,690,818
Other assets and liabilities, net - 0.0%		48,413
TOTAL NET ASSETS - 100.0%		\$ 1,142,739,231

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multi-utilities (continued)		
Sempra Energy	64,265	\$ 9,356,341
WEC Energy Group, Inc.	63,590	5,611,182
		54,951,460
Water utilities – 0.1%		
American Water Works Company, Inc.	39,207	5,596,799
		194,526,154
TOTAL COMMON STOCKS (Cost \$2,895,262,443)		\$ 7,549,564,099
SHORT-TERM INVESTMENTS – 3.9%		
Short-term funds – 3.9%		
John Hancock Collateral Trust, 5.1773% (C)(D)	30,664,507	306,485,613
TOTAL SHORT-TERM INVESTMENTS (Cost \$306,536,023)		\$ 306,485,613
Total Investments (500 Index Trust) (Cost \$3,201,798,466) – 100.0%		\$ 7,856,049,712
Other assets and liabilities, net – 0.0%		2,350,654
TOTAL NET ASSETS – 100.0%		\$ 7,858,400,366

Security Abbreviations and Legend

- (A) Non-income producing security.
- (B) All or a portion of this security is on loan as of 6-30-23.
- (C) The rate shown is the annualized seven-day yield as of 6-30-23.
- (D) Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$13,969,272.

American Global Growth Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Global Growth Fund - Class 1	5,898,598	\$ 189,403,968
TOTAL INVESTMENT COMPANIES (Cost \$177,362,248)		\$ 189,403,968
Total Investments (American Global Growth Trust) (Cost \$177,362,248) - 100.0%		\$ 189,403,968
Other assets and liabilities, net - (0.0%)		(17,727)
TOTAL NET ASSETS - 100.0%		\$ 189,386,241

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

American Growth Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Growth Fund - Class 1	9,501,284	\$ 854,260,423
TOTAL INVESTMENT COMPANIES (Cost \$778,969,020)		\$ 854,260,423
Total Investments (American Growth Trust) (Cost \$778,969,020) - 100.0%		\$ 854,260,423
Other assets and liabilities, net - 0.0%		30,556
TOTAL NET ASSETS - 100.0%		\$ 854,290,979

American Growth-Income Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Growth-Income Fund - Class 1	16,035,848	\$ 873,472,667
TOTAL INVESTMENT COMPANIES (Cost \$761,266,641)		\$ 873,472,667
Total Investments (American Growth-Income Trust) (Cost \$761,266,641) - 100.0%		\$ 873,472,667
Other assets and liabilities, net - 0.0%		27,401
TOTAL NET ASSETS - 100.0%		\$ 873,500,068

American International Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American International Fund - Class 1	20,926,841	\$ 359,523,120
TOTAL INVESTMENT COMPANIES (Cost \$399,417,183)		\$ 359,523,120
Total Investments (American International Trust) (Cost \$399,417,183) - 100.0%		\$ 359,523,120
Other assets and liabilities, net - (0.0%)		(26,157)
TOTAL NET ASSETS - 100.0%		\$ 359,496,963

Blue Chip Growth Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 99.6%		
Communication services - 15.2%		
Entertainment - 1.8%		
Netflix, Inc. (A)	57,557	\$ 25,353,283
Sea, Ltd., ADR (A)	84,613	4,910,939
		30,264,222
Interactive media and services - 12.4%		
Alphabet, Inc., Class A (A)	188,607	22,576,258
Alphabet, Inc., Class C (A)	881,188	106,597,312
Meta Platforms, Inc., Class A (A)	293,318	84,176,400
		213,349,970
Wireless telecommunication services - 1.0%		
T-Mobile US, Inc. (A)	120,110	16,683,279
		260,297,471

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer discretionary - 14.6%		
Automobiles - 2.9%		
Tesla, Inc. (A)	192,565	\$ 50,407,740
Broadline retail - 7.7%		
Amazon.com, Inc. (A)	1,016,329	132,488,648
Hotels, restaurants and leisure - 2.1%		
Booking Holdings, Inc. (A)	5,085	13,731,178
Chipotle Mexican Grill, Inc. (A)	8,274	17,698,086
DoorDash, Inc., Class A (A)	48,662	3,718,750
		35,148,014
Specialty retail - 1.0%		
Ross Stores, Inc.	90,086	10,101,343
The TJX Companies, Inc.	92,245	7,821,454
		17,922,797
Textiles, apparel and luxury goods - 0.9%		
Lululemon Athletica, Inc. (A)	21,547	8,155,540
NIKE, Inc., Class B	57,884	6,388,657
		14,544,197
		250,511,396
Consumer staples - 0.6%		
Consumer staples distribution and retail - 0.6%		
Dollar General Corp.	63,345	10,754,714
Financials - 10.2%		
Capital markets - 1.7%		
Morgan Stanley	95,155	8,126,237
MSCI, Inc.	4,844	2,273,241
S&P Global, Inc.	23,210	9,304,657
The Charles Schwab Corp.	93,582	5,304,228
The Goldman Sachs Group, Inc.	15,028	4,847,131
		29,855,494
Financial services - 6.8%		
Adyen NV (A)(B)	3,404	5,894,598
Affirm Holdings, Inc. (A)(C)	53,448	819,358
Block, Inc. (A)	41,126	2,737,758
Fiserv, Inc. (A)	32,406	4,088,017
Mastercard, Inc., Class A	117,212	46,099,480
Visa, Inc., Class A	237,244	56,340,705
		115,979,916
Insurance - 1.7%		
Chubb, Ltd.	86,046	16,569,018
Marsh & McLennan Companies, Inc.	62,125	11,684,470
		28,253,488
		174,088,898
Health care - 12.7%		
Health care equipment and supplies - 2.6%		
Align Technology, Inc. (A)	6,561	2,320,232
Intuitive Surgical, Inc. (A)	86,060	29,427,356
Stryker Corp.	36,356	11,091,852
Teleflex, Inc.	10,431	2,524,615
		45,364,055
Health care providers and services - 4.4%		
Elevance Health, Inc.	14,675	6,519,956
Humana, Inc.	26,450	11,826,589
UnitedHealth Group, Inc.	117,890	56,662,650
		75,009,195
Health care technology - 0.2%		
Veeva Systems, Inc., Class A (A)	20,623	4,077,786
Life sciences tools and services - 2.0%		
Danaher Corp.	50,500	12,120,000

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
Thermo Fisher Scientific, Inc.	42,661	\$ 22,258,377
		34,378,377
Pharmaceuticals – 3.5%		
AstraZeneca PLC, ADR	66,668	4,771,429
Eli Lilly & Company	96,458	45,236,873
Zoetis, Inc.	56,608	9,748,464
		59,756,766
		218,586,179
Industrials – 1.4%		
Aerospace and defense – 0.2%		
TransDigm Group, Inc.	5,000	4,470,850
Commercial services and supplies – 0.2%		
Cintas Corp.	5,976	2,970,550
Ground transportation – 0.4%		
Old Dominion Freight Line, Inc.	18,170	6,718,358
Industrial conglomerates – 0.5%		
General Electric Company	78,985	8,676,502
Professional services – 0.1%		
Paycom Software, Inc.	5,045	1,620,656
		24,456,916
Information technology – 43.7%		
Electronic equipment, instruments and components – 0.2%		
TE Connectivity, Ltd.	22,911	3,211,206
IT services – 1.5%		
MongoDB, Inc. (A)	27,078	11,128,787
Shopify, Inc., Class A (A)	164,692	10,639,103
Snowflake, Inc., Class A (A)	21,632	3,806,799
		25,574,689
Semiconductors and semiconductor equipment – 10.0%		
Advanced Micro Devices, Inc. (A)	135,643	15,451,094
ASML Holding NV, NYRS	32,277	23,392,756
Lam Research Corp.	4,809	3,091,514
Marvell Technology, Inc.	84,553	5,054,578
Monolithic Power Systems, Inc.	19,281	10,416,175
NVIDIA Corp.	240,771	101,850,948
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	59,856	6,040,668
Texas Instruments, Inc.	34,916	6,285,578
		171,583,311
Software – 20.6%		
Atlassian Corp., Class A (A)	36,283	6,088,650
BILL Holdings, Inc. (A)	49,200	5,749,020
Confluent, Inc., Class A (A)	68,331	2,412,768
CrowdStrike Holdings, Inc., Class A (A)	16,318	2,396,625
Datadog, Inc., Class A (A)	29,799	2,931,626
Fortinet, Inc. (A)	25,598	1,934,953
Intuit, Inc.	46,185	21,161,505
Microsoft Corp.	707,394	240,895,948
Roper Technologies, Inc.	25,670	12,342,136
ServiceNow, Inc. (A)	68,496	38,492,697
Synopsys, Inc. (A)	45,230	19,693,594
		354,099,522
Technology hardware, storage and peripherals – 11.4%		
Apple, Inc.	1,003,070	194,565,488
		749,034,216
Materials – 1.0%		
Chemicals – 1.0%		
Linde PLC	22,010	8,387,571
The Sherwin-Williams Company	29,569	7,851,161
		16,238,732

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Utilities – 0.2%		
Electric utilities – 0.2%		
Constellation Energy Corp.	44,203	\$ 4,046,785
TOTAL COMMON STOCKS (Cost \$1,197,522,537)		
\$ 1,708,015,307		
CORPORATE BONDS - 0.2%		
Consumer discretionary - 0.2%		
Carvana Company		
10.250%, 05/01/2030 (B)	\$ 3,865,000	3,044,546
TOTAL CORPORATE BONDS (Cost \$3,865,000)		
\$ 3,044,546		
SHORT-TERM INVESTMENTS – 0.3%		
Short-term funds – 0.3%		
John Hancock Collateral Trust,		
5.1773% (D)(E)	112,394	1,123,356
State Street Institutional U.S. Government		
Money Market Fund, Premier Class,		
5.0063% (D)	782,523	782,523
T. Rowe Price Government Reserve Fund,		
5.1068% (D)	3,631,205	3,631,205
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,537,209)		
\$ 5,537,084		
Total Investments (Blue Chip Growth Trust)		
(Cost \$1,206,924,746) – 100.1%		
Other assets and liabilities, net – (0.1%)		
TOTAL NET ASSETS – 100.0%		
\$ 1,715,556,859		

Security Abbreviations and Legend

ADR	American Depositary Receipt
NYRS	New York Registry Shares
(A)	Non-income producing security.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(C)	All or a portion of this security is on loan as of 6-30-23.
(D)	The rate shown is the annualized seven-day yield as of 6-30-23.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Capital Appreciation Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.8%		
Communication services – 9.0%		
Entertainment – 1.9%		
Netflix, Inc. (A)	17,292	\$ 7,616,953
ROBLOX Corp., Class A (A)	55,471	2,235,481
		9,852,434
Interactive media and services – 6.5%		
Alphabet, Inc., Class A (A)	88,900	10,641,330
Alphabet, Inc., Class C (A)	88,479	10,703,305
Meta Platforms, Inc., Class A (A)	46,965	13,478,016
		34,822,651
Media – 0.6%		
The Trade Desk, Inc., Class A (A)	38,046	2,937,912
		47,612,997

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer discretionary – 24.1%		
Automobile components – 0.3%		
Mobility Global, Inc., Class A (A)	35,931	\$ 1,380,469
Automobiles – 4.7%		
Tesla, Inc. (A)	95,712	25,054,530
Broadline retail – 6.7%		
Amazon.com, Inc. (A)	216,362	28,204,950
MercadoLibre, Inc. (A)	6,483	7,679,762
		35,884,712
Hotels, restaurants and leisure – 3.2%		
Airbnb, Inc., Class A (A)	41,538	5,323,510
Chipotle Mexican Grill, Inc. (A)	1,532	3,276,948
Marriott International, Inc., Class A	26,427	4,854,376
McDonald's Corp.	11,332	3,381,582
		16,836,416
Specialty retail – 4.2%		
O'Reilly Automotive, Inc. (A)	6,810	6,505,594
The Home Depot, Inc.	21,106	6,556,368
The TJX Companies, Inc.	64,237	5,446,655
Ulta Beauty, Inc. (A)	8,333	3,921,468
		22,430,085
Textiles, apparel and luxury goods – 5.0%		
Lululemon Athletica, Inc. (A)	23,951	9,065,454
LVMH Moët Hennessy Louis Vuitton SE	13,552	12,778,346
NIKE, Inc., Class B	43,859	4,840,718
		26,684,518
		128,270,730
Consumer staples – 3.0%		
Consumer staples distribution and retail – 1.9%		
Costco Wholesale Corp.	19,038	10,249,678
Personal care products – 1.1%		
L'Oreal SA	12,444	5,804,830
		16,054,508
Energy – 0.5%		
Energy equipment and services – 0.5%		
Schlumberger, Ltd.	54,094	2,657,097
Financials – 9.6%		
Capital markets – 2.5%		
Moody's Corp.	7,016	2,439,604
S&P Global, Inc.	17,274	6,924,974
The Goldman Sachs Group, Inc.	12,196	3,933,698
		13,298,276
Consumer finance – 0.5%		
American Express Company	14,833	2,583,909
Financial services – 6.6%		
Adyen NV (A)(B)	3,417	5,917,109
Mastercard, Inc., Class A	34,288	13,485,470
Visa, Inc., Class A	67,210	15,961,031
		35,363,610
		51,245,795
Health care – 11.0%		
Biotechnology – 1.1%		
Vertex Pharmaceuticals, Inc. (A)	16,163	5,687,921
Health care equipment and supplies – 2.1%		
DexCom, Inc. (A)	36,753	4,723,128

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Intuitive Surgical, Inc. (A)	19,653	\$ 6,720,147
		11,443,275
Health care providers and services – 1.5%		
UnitedHealth Group, Inc.	16,309	7,838,758
Pharmaceuticals – 6.3%		
AstraZeneca PLC, ADR	91,098	6,519,884
Eli Lilly & Company	35,560	16,676,929
Novo Nordisk A/S, ADR	65,329	10,572,192
		33,769,005
		58,738,959
Industrials – 2.0%		
Ground transportation – 2.0%		
Uber Technologies, Inc. (A)	243,770	10,523,551
Information technology – 38.6%		
IT services – 2.2%		
MongoDB, Inc. (A)	11,369	4,672,545
Snowflake, Inc., Class A (A)	38,787	6,825,736
		11,498,281
Semiconductors and semiconductor equipment – 15.6%		
Advanced Micro Devices, Inc. (A)	142,134	16,190,484
ASML Holding NV, NYRS	11,107	8,049,798
Broadcom, Inc.	14,408	12,497,931
Micron Technology, Inc.	36,911	2,329,453
NVIDIA Corp.	103,939	43,968,277
		83,035,943
Software – 14.2%		
Adobe, Inc. (A)	17,592	8,602,312
Cadence Design Systems, Inc. (A)	22,635	5,308,360
CrowdStrike Holdings, Inc., Class A (A)	25,720	3,777,496
Microsoft Corp.	126,623	43,120,196
Salesforce, Inc. (A)	43,888	9,271,779
ServiceNow, Inc. (A)	10,251	5,760,754
		75,840,897
Technology hardware, storage and peripherals – 6.6%		
Apple, Inc.	182,215	35,344,244
		205,719,365
Real estate – 1.0%		
Specialized REITs – 1.0%		
American Tower Corp.	26,767	5,191,192
TOTAL COMMON STOCKS (Cost \$400,842,014)		\$ 526,014,194
PREFERRED SECURITIES – 0.8%		
Consumer discretionary – 0.8%		
Automobiles – 0.8%		
Dr. Ing. h.c. F. Porsche AG (B)	33,850	4,205,141
TOTAL PREFERRED SECURITIES (Cost \$3,159,846)		\$ 4,205,141
SHORT-TERM INVESTMENTS – 0.2%		
Short-term funds – 0.2%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (C)	1,202,558	1,202,558
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,202,558)		\$ 1,202,558
Total Investments (Capital Appreciation Trust) (Cost \$405,204,418) – 99.8%		\$ 531,421,893
Other assets and liabilities, net – 0.2%		1,214,706
TOTAL NET ASSETS – 100.0%		\$ 532,636,599

Security Abbreviations and Legend

ADR	American Depositary Receipt
NYRS	New York Registry Shares

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Trust (continued)

- (A) Non-income producing security.
 (B) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
 (C) The rate shown is the annualized seven-day yield as of 6-30-23.

Capital Appreciation Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 66.3%		
Communication services – 3.0%		
Interactive media and services – 3.0%		
Alphabet, Inc., Class A (A)(B)	93,310	\$ 11,169,207
Meta Platforms, Inc., Class A (B)	8,831	2,534,320
		13,703,527
Consumer discretionary – 5.8%		
Automobile components – 0.3%		
Mobileye Global, Inc., Class A (B)	35,173	1,351,347
Broadline retail – 2.8%		
Amazon.com, Inc. (A)(B)	98,094	12,787,534
Hotels, restaurants and leisure – 2.7%		
Hilton Worldwide Holdings, Inc. (A)	21,613	3,145,772
Starbucks Corp. (A)	9,000	891,540
Yum! Brands, Inc. (A)	58,520	8,107,946
		12,145,258
		26,284,139
Consumer staples – 0.6%		
Beverages – 0.6%		
Keurig Dr. Pepper, Inc.	89,357	2,794,193
Energy – 1.5%		
Oil, gas and consumable fuels – 1.5%		
Canadian Natural Resources, Ltd.	55,449	3,119,561
Chesapeake Energy Corp.	32,200	2,694,496
EOG Resources, Inc.	10,985	1,257,123
		7,071,180
Financials – 7.6%		
Banks – 1.0%		
The PNC Financial Services Group, Inc.	33,488	4,217,814
Capital markets – 3.6%		
CME Group, Inc. (A)	1,312	243,100
Intercontinental Exchange, Inc.	79,000	8,933,320
KKR & Company, Inc. (A)	53,996	3,023,776
S&P Global, Inc. (A)	3,013	1,207,882
The Goldman Sachs Group, Inc.	9,300	2,999,622
		16,407,700
Financial services – 2.2%		
Mastercard, Inc., Class A (A)	13,700	5,388,210
Visa, Inc., Class A (A)	19,800	4,702,104
		10,090,314
Insurance – 0.8%		
Marsh & McLennan Companies, Inc. (A)	19,184	3,608,127
		34,323,955
Health care – 16.0%		
Biotechnology – 1.9%		
AbbVie, Inc.	34,229	4,611,673
Biogen, Inc. (B)	11,563	3,293,721
Karuna Therapeutics, Inc. (B)	3,295	714,521
		8,619,915
Health care equipment and supplies – 4.2%		
Baxter International, Inc.	48,066	2,189,887
Becton, Dickinson and Company (A)	35,187	9,289,720

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
GE HealthCare Technologies, Inc. (A)	17,452	\$ 1,417,800
Stryker Corp. (A)	6,100	1,861,049
Teleflex, Inc.	18,161	4,395,507
		19,153,963
Health care providers and services – 2.8%		
Humana, Inc.	257	114,905
UnitedHealth Group, Inc.	25,782	12,391,860
		12,506,765
Life sciences tools and services – 6.3%		
Avantor, Inc. (B)	217,127	4,459,789
Danaher Corp.	41,624	9,989,760
Revvity, Inc.	72,085	8,562,977
Thermo Fisher Scientific, Inc.	10,813	5,641,683
		28,654,209
Pharmaceuticals – 0.8%		
Eli Lilly & Company	7,500	3,517,350
		72,452,202
Industrials – 7.9%		
Commercial services and supplies – 1.8%		
Aurora Innovation, Inc. (B)	314,442	924,459
Republic Services, Inc.	3,641	557,692
Waste Connections, Inc.	47,251	6,753,585
		8,235,736
Electrical equipment – 0.3%		
AMETEK, Inc.	9,453	1,530,252
Industrial conglomerates – 0.5%		
General Electric Company (A)	21,497	2,361,445
Machinery – 3.7%		
Fortive Corp.	137,932	10,313,176
Ingersoll Rand, Inc. (A)	97,089	6,345,737
		16,658,913
Professional services – 1.6%		
Equifax, Inc.	16,982	3,995,865
TransUnion (A)	40,629	3,182,470
		7,178,335
		35,964,681
Information technology – 17.9%		
Electronic equipment, instruments and components – 1.1%		
TE Connectivity, Ltd.	10,077	1,412,392
Teledyne Technologies, Inc. (B)	8,979	3,691,357
		5,103,749
Semiconductors and semiconductor equipment – 4.2%		
Analog Devices, Inc.	12,300	2,396,163
NVIDIA Corp.	14,400	6,091,488
NXP Semiconductors NV (A)	31,142	6,374,145
Texas Instruments, Inc. (A)	22,435	4,038,749
		18,900,545
Software – 9.1%		
Black Knight, Inc. (B)	39,994	2,388,842
Intuit, Inc.	7,326	3,356,700
Microsoft Corp. (A)	74,596	25,402,922
PTC, Inc. (B)	1,851	263,397
Roper Technologies, Inc.	12,723	6,117,218
Salesforce, Inc. (A)(B)	18,207	3,846,411
		41,375,490
Technology hardware, storage and peripherals – 3.5%		
Apple, Inc.	80,953	15,702,455
		81,082,239

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Materials – 0.9%		
Chemicals – 0.9%		
Linde PLC (A)	10,851	\$ 4,135,099
Utilities – 5.1%		
Electric utilities – 2.3%		
Exelon Corp.	121,172	4,936,547
Xcel Energy, Inc.	90,766	5,642,922
		10,579,469
Multi-utilities – 2.8%		
Ameren Corp.	80,642	6,586,032
CenterPoint Energy, Inc.	63,234	1,843,271
DTE Energy Company	23,609	2,597,462
WEC Energy Group, Inc.	16,700	1,473,608
		12,500,373
		23,079,842
TOTAL COMMON STOCKS (Cost \$268,424,126)		\$ 300,891,057
PREFERRED SECURITIES – 0.3%		
Financials – 0.0%		
Capital markets – 0.0%		
The Charles Schwab Corp., 5.950%	1,000	25,000
Utilities – 0.3%		
Electric utilities – 0.1%		
SCE Trust IV, 5.375% (5.375% to 9-15-25, then 3 month LIBOR + 3.132%)	14,748	291,420
Multi-utilities – 0.2%		
CMS Energy Corp., 5.875%	21,544	516,410
CMS Energy Corp., 5.875%	17,570	427,830
NiSource, Inc., 6.500% (6.500% to 3-15-24, then 5 Year CMT + 3.632%)	3,896	98,140
		1,042,380
		1,333,800
TOTAL PREFERRED SECURITIES (Cost \$1,468,950)		\$ 1,358,800
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 8.5%		
U.S. Government – 8.5%		
U.S. Treasury Notes		
2.750%, 08/15/2032	\$ 4,272,900	3,917,214
3.500%, 02/15/2033	19,105,900	18,610,341
4.125%, 11/15/2032	15,533,600	15,873,398
		38,400,953
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$39,444,686)		\$ 38,400,953
CORPORATE BONDS - 7.9%		
Communication services - 1.3%		
CCO Holdings LLC		
5.000%, 02/01/2028 (C)	2,595,000	2,364,279
5.125%, 05/01/2027 (C)	2,681,000	2,496,668
5.500%, 05/01/2026 (C)	125,000	121,879
Lamar Media Corp.		
3.625%, 01/15/2031	50,000	42,125
3.750%, 02/15/2028	100,000	91,024
4.875%, 01/15/2029	50,000	46,500
Live Nation Entertainment, Inc.		
4.875%, 11/01/2024 (C)	35,000	34,457
T-Mobile USA, Inc.		
2.625%, 02/15/2029	15,000	13,028
2.875%, 02/15/2031	60,000	50,716
3.375%, 04/15/2029	165,000	149,003
3.500%, 04/15/2031	700,000	617,679

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
T-Mobile USA, Inc. (continued)		
4.750%, 02/01/2028	\$ 25,000	\$ 24,287
		6,051,645
Consumer discretionary - 2.0%		
Cedar Fair LP		
5.250%, 07/15/2029	384,000	349,250
5.375%, 04/15/2027	676,000	642,715
5.500%, 05/01/2025 (C)	410,000	406,908
6.500%, 10/01/2028	345,000	336,449
Clarios Global LP		
6.250%, 05/15/2026 (C)	222,000	220,570
6.750%, 05/15/2025 (C)	147,000	147,090
8.500%, 05/15/2027 (C)	650,000	651,063
Hilton Domestic Operating Company, Inc.		
3.625%, 02/15/2032 (C)	150,000	125,060
3.750%, 05/01/2029 (C)	50,000	44,381
4.000%, 05/01/2031 (C)	125,000	108,560
4.875%, 01/15/2030	100,000	93,242
5.375%, 05/01/2025 (C)	99,000	97,736
5.750%, 05/01/2028 (C)	50,000	49,236
Hilton Worldwide Finance LLC		
4.875%, 04/01/2027	50,000	48,504
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
4.750%, 06/01/2027 (C)	1,237,000	1,193,977
Life Time, Inc.		
5.750%, 01/15/2026 (C)	365,000	355,704
Marriott International, Inc.		
3.125%, 06/15/2026	570,000	535,295
Mattel, Inc.		
3.375%, 04/01/2026 (C)	100,000	92,020
3.750%, 04/01/2029 (C)	100,000	87,983
5.875%, 12/15/2027 (C)	100,000	98,214
Service Corp. International		
3.375%, 08/15/2030	100,000	83,630
Six Flags Entertainment Corp.		
5.500%, 04/15/2027 (C)	1,061,000	998,881
Six Flags Theme Parks, Inc.		
7.000%, 07/01/2025 (C)	249,000	250,244
Vail Resorts, Inc.		
6.250%, 05/15/2025 (C)	50,000	50,060
Yum! Brands, Inc.		
3.625%, 03/15/2031	150,000	129,589
4.625%, 01/31/2032	400,000	361,335
4.750%, 01/15/2030 (C)	127,000	118,924
5.350%, 11/01/2043	579,000	505,236
5.375%, 04/01/2032	564,000	536,060
6.875%, 11/15/2037	367,000	394,491
		9,112,407
Financials - 2.2%		
Alliant Holdings Intermediate LLC		
4.250%, 10/15/2027 (C)	75,000	67,304
5.875%, 11/01/2029 (C)	75,000	65,244
6.750%, 10/15/2027 to 04/15/2028 (C)	2,144,000	2,090,950
AmWINS Group, Inc.		
4.875%, 06/30/2029 (C)	135,000	121,903
BroadStreet Partners, Inc.		
5.875%, 04/15/2029 (C)	58,000	50,317
HUB International, Ltd.		
5.625%, 12/01/2029 (C)	165,000	148,018
7.000%, 05/01/2026 (C)	2,785,000	2,777,634
7.250%, 06/15/2030 (C)	1,076,000	1,111,078
Intercontinental Exchange, Inc.		
4.000%, 09/15/2027	59,000	57,445

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
MSCI, Inc.		
3.250%, 08/15/2033 (C)	\$ 230,000	\$ 185,232
3.625%, 09/01/2030 to 11/01/2031 (C)	1,913,000	1,642,307
3.875%, 02/15/2031 (C)	657,000	569,307
4.000%, 11/15/2029 (C)	386,000	349,338
Ryan Specialty LLC		
4.375%, 02/01/2030 (C)	50,000	44,260
State Street Corp.		
9.149%, (3 month LIBOR + 3.597%), 09/15/2023 (D)(E)	145,000	144,640
USI, Inc.		
6.875%, 05/01/2025 (C)	799,000	793,008
		10,217,985
Health care - 0.9%		
Avantor Funding, Inc.		
3.875%, 11/01/2029 (C)	700,000	612,870
4.625%, 07/15/2028 (C)	575,000	532,981
Charles River Laboratories International, Inc.		
3.750%, 03/15/2029 (C)	139,000	122,325
4.000%, 03/15/2031 (C)	36,000	31,268
4.250%, 05/01/2028 (C)	93,000	85,148
Heartland Dental LLC		
8.500%, 05/01/2026 (C)	372,000	332,797
10.500%, 04/30/2028 (C)	431,000	428,306
Hologic, Inc.		
3.250%, 02/15/2029 (C)	93,000	81,366
IQVIA, Inc.		
5.000%, 05/15/2027 (C)	200,000	192,373
5.700%, 05/15/2028 (C)	577,000	571,230
6.500%, 05/15/2030 (C)	200,000	201,975
PRA Health Sciences, Inc.		
2.875%, 07/15/2026 (C)	200,000	181,087
Surgery Center Holdings, Inc.		
10.000%, 04/15/2027 (C)	241,000	246,423
Teleflex, Inc.		
4.250%, 06/01/2028 (C)	50,000	45,687
4.625%, 11/15/2027	285,000	268,613
		3,934,449
Industrials - 1.2%		
Booz Allen Hamilton, Inc.		
3.875%, 09/01/2028 (C)	361,000	326,510
4.000%, 07/01/2029 (C)	147,000	131,675
Delta Air Lines, Inc.		
4.750%, 10/20/2028 (C)	390,000	378,569
General Electric Company		
8.882%, (3 month LIBOR + 3.330%), 09/15/2023 (D)(E)	1,318,000	1,317,998
GFL Environmental, Inc.		
4.375%, 08/15/2029 (C)	32,000	28,491
4.750%, 06/15/2029 (C)	84,000	76,743
Howmet Aerospace, Inc.		
3.000%, 01/15/2029	692,000	604,815
5.900%, 02/01/2027	29,000	29,233
Korn Ferry		
4.625%, 12/15/2027 (C)	90,000	84,567
Lennox International, Inc.		
3.000%, 11/15/2023	515,000	508,825
Mileage Plus Holdings LLC		
6.500%, 06/20/2027 (C)	419,111	420,158
Sensata Technologies BV		
4.000%, 04/15/2029 (C)	200,000	178,057
5.000%, 10/01/2025 (C)	325,000	318,183
5.625%, 11/01/2024 (C)	90,000	89,321
5.875%, 09/01/2030 (C)	200,000	194,457

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Sensata Technologies, Inc.		
3.750%, 02/15/2031 (C)	\$ 100,000	\$ 85,549
4.375%, 02/15/2030 (C)	50,000	44,712
TransDigm, Inc.		
5.500%, 11/15/2027	110,000	103,752
6.250%, 03/15/2026 (C)	125,000	124,389
6.375%, 06/15/2026	50,000	49,350
United Airlines 2012-1 Class A Pass Through Trust		
4.150%, 04/11/2024	126,953	124,097
US Airways 2012-2 Class A Pass Through Trust		
4.625%, 06/03/2025	10,196	9,535
US Airways 2013-1 Class A Pass Through Trust		
3.950%, 11/15/2025	102,754	96,099
		5,325,085
Information technology - 0.1%		
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (C)	50,000	44,750
Clarivate Science Holdings Corp.		
3.875%, 07/01/2028 (C)	102,000	90,417
4.875%, 07/01/2029 (C)	80,000	70,968
CrowdStrike Holdings, Inc.		
3.000%, 02/15/2029	24,000	20,696
Entegris Escrow Corp.		
4.750%, 04/15/2029 (C)	168,000	155,959
Gartner, Inc.		
3.625%, 06/15/2029 (C)	100,000	88,032
3.750%, 10/01/2030 (C)	50,000	43,546
4.500%, 07/01/2028 (C)	50,000	46,711
PTC, Inc.		
4.000%, 02/15/2028 (C)	50,000	46,030
		607,109
Materials - 0.1%		
Ball Corp.		
6.000%, 06/15/2029	495,000	491,288
Real estate - 0.1%		
SBA Communications Corp.		
3.125%, 02/01/2029	175,000	148,340
3.875%, 02/15/2027	195,000	179,635
		327,975
TOTAL CORPORATE BONDS (Cost \$36,947,399)		\$ 36,067,943
TERM LOANS (F) – 9.5%		
Communication services – 0.2%		
Charter Communications Operating LLC, 2019 Term Loan B1 (3 month SOFR + 1.750%) 6.795%, 04/30/2025	677,508	676,736
Charter Communications Operating LLC, 2019 Term Loan B2 (3 month SOFR + 1.750%) 6.795%, 02/01/2027	266,147	264,372
		941,108
Consumer discretionary – 0.5%		
Hilton Worldwide Finance LLC, 2019 Term Loan B2 (1 month SOFR + 1.750%) 6.939%, 06/22/2026	1,045,005	1,043,417
IRB Holding Corp., 2022 Term Loan B (1 month SOFR + 3.000%) 8.202%, 12/15/2027	1,046,764	1,038,589
New Red Finance, Inc., Term Loan B4 (1 month LIBOR + 1.750%) 6.942%, 11/19/2026	57,989	57,530

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F)(continued)		
Consumer discretionary (continued)		
Woolf Holdings, Inc., 1st Lien Term Loan (1 month SOFR + 3.750%) 8.954%, 12/21/2027	\$ 170,470	166,634
		2,306,170
Consumer staples – 0.3%		
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month SOFR + 3.750%) 9.092%, 10/01/2026	1,267,271	1,258,881
Financials – 3.1%		
Alliant Holdings Intermediate LLC, 2021 Term Loan B4 (1 month LIBOR + 3.500%) 8.650%, 11/06/2027	1,468,284	1,458,314
Alliant Holdings Intermediate LLC, 2023 Term Loan B5 (1 month SOFR + 3.500%) 8.647%, 11/05/2027	726,983	721,836
AssuredPartners, Inc., 2022 Term Loan (1 month SOFR + 3.500%) 8.602%, 02/12/2027	40,210	39,808
BroadStreet Partners, Inc., 2023 Term Loan B3 (1 month SOFR + 4.000%) 9.160%, 01/27/2029	275,955	273,954
Howden Group Holdings, Ltd., 2021 Term Loan B (1 month LIBOR + 3.250%) 8.443%, 11/12/2027	1,425,975	1,415,680
HUB International, Ltd., 2022 Term Loan B (3 month SOFR + 4.000%) 9.072%, 11/10/2029	406,015	405,389
HUB International, Ltd., 2023 Term Loan B TBD 06/20/2030 (G)	7,016,000	7,028,699
Ryan Specialty LLC, Term Loan (1 month SOFR + 3.000%) 8.202%, 09/01/2027	262,722	262,146
USI, Inc., 2019 Incremental Term Loan B (3 month LIBOR + 3.250%) 8.788%, 12/02/2026	809,240	808,099
USI, Inc., 2022 Incremental Term Loan (3 month SOFR + 3.750%) 8.992%, 11/22/2029	1,499,732	1,495,983
		13,909,908
Health care – 1.3%		
ADMI Corp., 2018 Term Loan B (1 month LIBOR + 3.000%) 8.193%, 04/30/2025	99,738	95,562
ADMI Corp., 2021 Incremental Term Loan B3 (1 month SOFR + 3.750%) 8.967%, 12/23/2027	1,046,363	975,294
ADMI Corp., 2021 Term Loan B2 (1 month SOFR + 3.375%) 8.592%, 12/23/2027	576,725	541,401
athenahealth, Inc., 2022 Term Loan B (1 month SOFR + 3.500%) 8.589%, 02/15/2029	664,771	639,011
Avantor Funding, Inc., 2021 Term Loan B5 (1 month SOFR + 2.250%) 7.452%, 11/08/2027	86,131	86,036
Heartland Dental LLC, 2023 Term Loan B (1 month SOFR + 5.000%) 10.102%, 04/28/2028	1,482,420	1,428,060
Loire Finco Luxembourg Sarl, 2021 USD Term Loan B2 TBD 04/21/2027 (G)	99,750	96,633
Loire Finco Luxembourg Sarl, Term Loan (3 month SOFR + 3.000%) 8.109%, 04/21/2027	1,130,527	1,092,371
PetVet Care Centers LLC, 2018 1st Lien Term Loan (1 month LIBOR + 2.750%) 7.943%, 02/14/2025	82,392	79,525

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F)(continued)		
Health care (continued)		
PetVet Care Centers LLC, 2018 2nd Lien Term Loan (1 month LIBOR + 6.250%) 11.443%, 02/13/2026	\$ 25,000	22,750
PetVet Care Centers LLC, 2018 Incremental Term Loan (1 month LIBOR + 3.250%) 8.443%, 02/14/2025	195,012	189,161
PetVet Care Centers LLC, 2021 Term Loan B3 (1 month LIBOR + 3.500%) 8.693%, 02/14/2025	566,514	553,626
		5,799,430
Industrials – 1.8%		
Filtration Group Corp., 2021 Incremental Term Loan (1 month SOFR + 3.500%) 8.717%, 10/21/2028	201,413	200,478
Filtration Group Corp., 2023 EUR Term Loan (3 month EURIBOR + 4.250%) 7.850%, 10/21/2028	EUR 651,338	700,527
Filtration Group Corp., 2023 USD Term Loan (1 month SOFR + 4.250%) 9.326%, 10/21/2028	\$ 753,686	752,744
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 10.764%, 06/21/2027	4,326,859	4,490,025
SkyMiles IP, Ltd., 2020 Skymiles Term Loan B (3 month SOFR + 3.750%) 8.798%, 10/20/2027	1,781,698	1,848,921
TransUnion LLC, 2019 Term Loan B5 (1 month LIBOR + 1.750%) 6.952%, 11/16/2026	290,341	289,293
		8,281,988
Information technology – 2.2%		
Applied Systems, Inc., 2021 2nd Lien Term Loan (3 month SOFR + 6.750%) 11.992%, 09/17/2027	164,028	163,926
Applied Systems, Inc., 2022 Extended 1st Lien Term Loan (3 month SOFR + 4.500%) 9.742%, 09/18/2026	1,670,103	1,671,673
Azalea TopCo, Inc., 2021 Term Loan B (1 month SOFR + 3.750%) 8.967%, 07/24/2026	116,533	112,491
Azalea TopCo, Inc., 2022 Incremental Term Loan (1 month SOFR + 3.750%) 8.855%, 07/24/2026	136,623	132,524
Azalea TopCo, Inc., Term Loan (1 month SOFR + 3.500%) 8.584%, 07/24/2026	1,019,463	989,134
Entegris, Inc., 2023 Term Loan B (1 and 3 month SOFR + 2.750%) 7.989%, 07/06/2029	1,398,187	1,399,068
Quartz Acquireco LLC, Term Loan B TBD 06/28/2030 (G)	86,962	86,853
RealPage, Inc., 1st Lien Term Loan (1 month LIBOR + 3.000%) 8.193%, 04/24/2028	1,400,063	1,368,211
RealPage, Inc., 2nd Lien Term Loan (1 month LIBOR + 6.500%) 11.693%, 04/23/2029	75,000	72,437
Sophia LP, 2021 Term Loan B (3 month LIBOR + 3.500%) 9.038%, 10/07/2027	294,750	291,251
Sophia LP, 2022 Incremental Term Loan B (1 month SOFR + 4.250%) 9.352%, 10/07/2027	99,748	98,626
Storable, Inc., Term Loan B TBD 04/17/2028 (G)	99,747	96,962

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F)(continued)		
Information technology (continued)		
UKG, Inc., 2021 Term Loan (3 month SOFR + 3.250%) 8.271%, 05/04/2026	\$ 3,619,282	3,548,018
		10,031,174
Real estate – 0.1%		
SBA Senior Finance II LLC, 2018 Term Loan B (1 month LIBOR + 1.750%) 6.950%, 04/11/2025	543,699	543,455
TOTAL TERM LOANS (Cost \$43,207,932)	\$	43,072,114
ASSET BACKED SECURITIES - 0.1%		
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (C)	328,783	\$ 302,599
Domino's Pizza Master Issuer LLC Series 2019-1A, Class A2 3.668%, 10/25/2049 (C)	208,013	181,757
TOTAL ASSET BACKED SECURITIES (Cost \$533,843)	\$	484,356
SHORT-TERM INVESTMENTS – 10.3%		
Short-term funds – 9.8%		
T. Rowe Price Government Reserve Fund, 5.1068% (H)	44,400,672	44,400,672
Repurchase agreement – 0.5%		
Repurchase Agreement with State Street Corp. dated 6-30-23 at 1.520% to be repurchased at \$2,216,281 on 7-3-23, collateralized by \$2,511,700 U.S. Treasury Notes, 0.500% due 2-28-26 (valued at \$2,260,376)	\$ 2,216,000	2,216,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$46,616,672)	\$	46,616,672
Total Investments (Capital Appreciation Value Trust) (Cost \$436,643,608) – 102.9%	\$	466,891,895
Other assets and liabilities, net – (2.9%)		(13,004,190)
TOTAL NET ASSETS – 100.0%	\$	453,887,705

Capital Appreciation Value Trust (continued)

Currency Abbreviations

EUR Euro

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
EURIBOR	Euro Interbank Offered Rate
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
(B)	Non-income producing security.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(E)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(F)	Term loans are variable rate obligations. The rate shown represents the rate at period end.
(G)	This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).
(H)	The rate shown is the annualized seven-day yield as of 6-30-23.

DERIVATIVES

WRITTEN OPTIONS

Options on securities

Counterparty (OTC)/

Exchange- traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls								
JPM	AbbVie, Inc.	USD	145.00	Jan 2024	2	200	\$ 1,120	\$ (812)
JPM	AbbVie, Inc.	USD	150.00	Jan 2024	2	200	763	(528)
CITI	AbbVie, Inc.	USD	155.00	Jan 2024	18	1,800	18,943	(2,948)
CITI	AbbVie, Inc.	USD	155.00	Jan 2024	19	1,900	18,278	(3,112)
CITI	AbbVie, Inc.	USD	160.00	Jan 2024	18	1,800	15,151	(1,749)
CITI	AbbVie, Inc.	USD	160.00	Jan 2024	19	1,900	14,478	(1,846)
CITI	AbbVie, Inc.	USD	170.00	Jan 2024	46	4,600	26,163	(1,398)
JPM	AbbVie, Inc.	USD	175.00	Jan 2024	23	2,300	11,655	(368)
JPM	AbbVie, Inc.	USD	180.00	Jan 2024	11	1,100	10,948	(91)
JPM	AbbVie, Inc.	USD	180.00	Jan 2024	23	2,300	11,036	(191)
JPM	AbbVie, Inc.	USD	185.00	Jan 2024	11	1,100	9,136	(46)
JPM	AbbVie, Inc.	USD	195.00	Jan 2024	11	1,100	6,168	(11)
JPM	AbbVie, Inc.	USD	200.00	Jan 2024	11	1,100	5,016	(6)
CITI	Alphabet, Inc., Class A	USD	102.50	Jan 2024	31	3,100	24,005	(72,294)
WFB	Alphabet, Inc., Class A	USD	120.00	Jan 2024	108	10,800	85,221	(121,963)
CITI	Alphabet, Inc., Class A	USD	142.00	Jan 2024	58	5,800	37,305	(17,515)
WFB	Amazon.com, Inc.	USD	107.50	Jan 2024	35	3,500	24,267	(103,617)
WFB	Amazon.com, Inc.	USD	110.00	Jan 2024	35	3,500	22,144	(96,764)
WFB	Amazon.com, Inc.	USD	110.00	Jan 2024	36	3,600	39,065	(99,529)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/

Exchange-traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)								
WFB	Amazon.com, Inc.	USD	115.00	Jan 2024	35	3,500	\$ 18,159	\$ (83,662)
WFB	Amazon.com, Inc.	USD	115.00	Jan 2024	36	3,600	32,394	(86,053)
WFB	Amazon.com, Inc.	USD	115.00	Jan 2024	66	6,600	58,938	(157,763)
WFB	Amazon.com, Inc.	USD	120.00	Jan 2024	35	3,500	26,058	(71,458)
WFB	Amazon.com, Inc.	USD	132.50	Jan 2024	86	8,600	82,519	(111,721)
WFB	Amazon.com, Inc.	USD	135.00	Jan 2024	59	5,900	55,133	(69,292)
UBS	Analog Devices, Inc.	USD	200.00	Jan 2024	10	1,000	7,997	(14,008)
UBS	Analog Devices, Inc.	USD	200.00	Jan 2024	2	200	2,309	(2,802)
UBS	Analog Devices, Inc.	USD	210.00	Jan 2024	2	200	1,557	(1,950)
UBS	Analog Devices, Inc.	USD	210.00	Jun 2024	2	200	2,771	(3,247)
UBS	Analog Devices, Inc.	USD	220.00	Jun 2024	2	200	2,075	(2,505)
JPM	Apple, Inc.	USD	145.00	Jan 2024	29	2,900	33,575	(157,741)
JPM	Apple, Inc.	USD	150.00	Jan 2024	29	2,900	28,626	(144,531)
JPM	Apple, Inc.	USD	150.00	Jan 2024	29	2,900	41,297	(144,531)
JPM	Apple, Inc.	USD	155.00	Jan 2024	29	2,900	24,262	(131,534)
JPM	Apple, Inc.	USD	155.00	Jan 2024	29	2,900	34,829	(131,534)
JPM	Apple, Inc.	USD	180.00	Jan 2024	44	4,400	44,464	(108,691)
JPM	Apple, Inc.	USD	180.00	Jan 2024	44	4,400	41,102	(108,691)
JPM	Apple, Inc.	USD	195.00	Jan 2024	28	2,800	20,170	(40,669)
JPM	Apple, Inc.	USD	195.00	Jan 2024	5	500	4,925	(7,262)
JPM	Apple, Inc.	USD	200.00	Jan 2024	28	2,800	15,277	(32,740)
JPM	Apple, Inc.	USD	205.00	Jan 2024	5	500	2,892	(4,602)
CITI	Baxter International, Inc.	USD	50.00	Jan 2024	28	2,800	5,877	(6,220)
GSI	Becton, Dickinson and Company	USD	270.00	Jan 2024	17	1,700	25,279	(22,437)
GSI	Becton, Dickinson and Company	USD	280.00	Jan 2024	18	1,800	20,106	(15,099)
GSI	Becton, Dickinson and Company	USD	290.00	Jan 2024	6	600	8,834	(2,860)
GSI	Becton, Dickinson and Company	USD	290.00	Jan 2024	5	500	3,232	(2,384)
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2024	6	600	7,040	(1,571)
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2024	5	500	2,310	(1,309)
WFB	CME Group, Inc.	USD	190.00	Jan 2024	4	400	5,235	(3,431)
WFB	CME Group, Inc.	USD	200.00	Jan 2024	4	400	3,610	(1,812)
WFB	CME Group, Inc.	USD	210.00	Jan 2024	5	500	2,781	(1,088)
JPM	Danaher Corp.	USD	290.00	Jan 2024	6	600	15,652	(1,761)
JPM	Danaher Corp.	USD	290.00	Jan 2024	23	2,300	37,410	(6,752)
JPM	Danaher Corp.	USD	300.00	Jan 2024	6	600	13,245	(1,039)
JPM	Danaher Corp.	USD	310.00	Jan 2024	6	600	11,079	(582)
JPM	Danaher Corp.	USD	320.00	Jan 2024	6	600	9,332	(310)
CITI	Equifax, Inc.	USD	220.00	Dec 2023	4	400	9,953	(11,442)
CITI	Equifax, Inc.	USD	220.00	Dec 2023	3	300	7,076	(8,581)
CITI	Equifax, Inc.	USD	220.00	Dec 2023	2	200	5,025	(5,721)
CITI	Equifax, Inc.	USD	220.00	Dec 2023	1	100	3,174	(2,860)
CITI	Equifax, Inc.	USD	220.00	Dec 2023	3	300	4,498	(8,581)
CITI	Equifax, Inc.	USD	220.00	Dec 2023	5	500	7,860	(14,302)
CITI	Equifax, Inc.	USD	220.00	Dec 2023	8	800	10,921	(22,884)
CITI	Equifax, Inc.	USD	230.00	Dec 2023	4	400	8,272	(8,842)
CITI	Equifax, Inc.	USD	230.00	Dec 2023	3	300	5,858	(6,631)
CITI	Equifax, Inc.	USD	230.00	Dec 2023	2	200	4,180	(4,421)
CITI	Equifax, Inc.	USD	230.00	Dec 2023	1	100	2,699	(2,210)
CITI	Equifax, Inc.	USD	240.00	Dec 2023	4	400	6,812	(6,611)
CITI	Equifax, Inc.	USD	240.00	Dec 2023	3	300	4,805	(4,958)
CITI	Equifax, Inc.	USD	240.00	Dec 2023	2	200	3,444	(3,305)
CITI	Equifax, Inc.	USD	240.00	Dec 2023	1	100	2,235	(1,653)
CITI	Equifax, Inc.	USD	240.00	Dec 2023	23	2,300	39,053	(38,012)
CITI	Equifax, Inc.	USD	230.00	Jan 2024	2	200	2,605	(4,817)
CITI	Equifax, Inc.	USD	240.00	Jan 2024	2	200	1,895	(3,695)
JPM	Exelon Corp.	USD	45.00	Jan 2024	40	4,000	8,880	(3,194)
JPM	Exelon Corp.	USD	45.00	Jan 2024	78	7,800	14,430	(6,228)
JPM	Exelon Corp.	USD	45.00	Jan 2024	43	4,300	7,181	(3,434)
JPM	Exelon Corp.	USD	45.00	Jan 2024	5	500	520	(399)
JPM	Exelon Corp.	USD	47.00	Jan 2024	40	4,000	6,080	(1,595)
JPM	Exelon Corp.	USD	50.00	Jan 2024	45	4,500	8,759	(556)
JPM	Exelon Corp.	USD	47.00	Jun 2024	5	500	670	(594)
CITI	Fortive Corp.	USD	75.00	Dec 2023	1	100	380	(501)
CITI	Fortive Corp.	USD	75.00	Dec 2023	4	400	1,581	(2,004)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/

Exchange-traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)								
CITI	Fortive Corp.	USD	80.00	Dec 2023	1	100	\$ 179	\$ (261)
CITI	Fortive Corp.	USD	80.00	Dec 2023	4	400	758	(1,043)
WFB	GE HealthCare Technologies, Inc.	USD	85.00	Jan 2024	11	1,100	5,209	(5,831)
WFB	GE HealthCare Technologies, Inc.	USD	90.00	Jan 2024	24	2,400	7,834	(7,854)
WFB	GE HealthCare Technologies, Inc.	USD	90.00	Jan 2024	11	1,100	3,158	(3,600)
WFB	General Electric Company	USD	90.00	Jan 2024	11	1,100	8,149	(26,861)
WFB	General Electric Company	USD	90.00	Jan 2024	28	2,800	19,243	(68,373)
WFB	General Electric Company	USD	95.00	Jan 2024	11	1,100	6,011	(22,367)
WFB	General Electric Company	USD	95.00	Jan 2024	28	2,800	14,083	(56,934)
WFB	General Electric Company	USD	110.00	Jan 2024	28	2,800	22,776	(28,187)
WFB	General Electric Company	USD	110.00	Jan 2024	20	2,000	15,190	(20,133)
WFB	General Electric Company	USD	110.00	Jan 2024	20	2,000	15,840	(20,133)
WFB	General Electric Company	USD	115.00	Jan 2024	28	2,800	17,167	(21,002)
WFB	General Electric Company	USD	115.00	Jan 2024	20	2,000	10,876	(15,001)
WFB	General Electric Company	USD	115.00	Jan 2024	20	2,000	11,574	(15,001)
WFB	Hilton Worldwide Holdings, Inc.	USD	140.00	Jan 2024	3	300	4,037	(4,714)
WFB	Hilton Worldwide Holdings, Inc.	USD	140.00	Jan 2024	2	200	3,649	(3,142)
WFB	Hilton Worldwide Holdings, Inc.	USD	145.00	Jan 2024	28	2,800	46,536	(35,303)
WFB	Hilton Worldwide Holdings, Inc.	USD	145.00	Jan 2024	3	300	3,496	(3,783)
WFB	Hilton Worldwide Holdings, Inc.	USD	145.00	Jan 2024	2	200	3,137	(2,522)
WFB	Hilton Worldwide Holdings, Inc.	USD	150.00	Jan 2024	27	2,700	40,284	(26,732)
WFB	Hilton Worldwide Holdings, Inc.	USD	150.00	Jan 2024	3	300	3,015	(2,970)
WFB	Hilton Worldwide Holdings, Inc.	USD	150.00	Jan 2024	2	200	2,635	(1,980)
WFB	Hilton Worldwide Holdings, Inc.	USD	155.00	Jan 2024	3	300	2,564	(2,280)
WFB	Hilton Worldwide Holdings, Inc.	USD	155.00	Jan 2024	2	200	2,233	(1,520)
WFB	Hilton Worldwide Holdings, Inc.	USD	155.00	Jan 2024	12	1,200	8,530	(9,118)
WFB	Hilton Worldwide Holdings, Inc.	USD	160.00	Jan 2024	12	1,200	6,489	(6,829)
GSI	Ingersoll Rand, Inc.	USD	60.00	Dec 2023	12	1,200	4,365	(10,710)
GSI	Ingersoll Rand, Inc.	USD	60.00	Dec 2023	12	1,200	5,357	(10,710)
GSI	Ingersoll Rand, Inc.	USD	75.00	Dec 2023	28	2,800	3,639	(4,451)
CITI	Intercontinental Exchange, Inc.	USD	110.00	Jan 2024	29	2,900	17,968	(27,674)
CITI	Intercontinental Exchange, Inc.	USD	110.00	Jan 2024	29	2,900	18,022	(27,674)
CITI	Intercontinental Exchange, Inc.	USD	115.00	Jan 2024	29	2,900	17,106	(18,603)
CITI	Intercontinental Exchange, Inc.	USD	115.00	Jan 2024	5	500	1,742	(3,207)
CITI	Intercontinental Exchange, Inc.	USD	120.00	Jan 2024	5	500	1,005	(1,973)
UBS	Intuit, Inc.	USD	480.00	Jan 2024	4	400	10,097	(14,501)
CITI	Keurig Dr. Pepper, Inc.	USD	37.00	Jan 2024	31	3,100	5,487	(286)
CITI	Keurig Dr. Pepper, Inc.	USD	40.00	Jan 2024	31	3,100	2,449	(19)
UBS	KKR & Company, Inc.	USD	55.00	Jan 2024	29	2,900	15,922	(17,295)
UBS	KKR & Company, Inc.	USD	55.00	Jan 2024	29	2,900	15,012	(17,295)
WFB	Linde PLC	USD	390.00	Jan 2024	5	500	8,486	(10,297)
WFB	Linde PLC	USD	390.00	Jan 2024	5	500	9,180	(10,297)
WFB	Linde PLC	USD	395.00	Jan 2024	2	200	2,410	(3,601)
WFB	Linde PLC	USD	410.00	Jan 2024	2	200	1,559	(2,297)
GSI	Marsh & McLennan Companies, Inc.	USD	185.00	Jul 2023	2	200	866	(1,025)
GSI	Marsh & McLennan Companies, Inc.	USD	185.00	Jul 2023	7	700	3,666	(3,588)
GSI	Marsh & McLennan Companies, Inc.	USD	185.00	Jul 2023	8	800	3,000	(4,100)
GSI	Marsh & McLennan Companies, Inc.	USD	190.00	Jul 2023	2	200	663	(399)
GSI	Marsh & McLennan Companies, Inc.	USD	190.00	Jul 2023	7	700	2,829	(1,396)
GSI	Marsh & McLennan Companies, Inc.	USD	190.00	Jul 2023	8	800	1,893	(1,596)
GSI	Marsh & McLennan Companies, Inc.	USD	195.00	Jul 2023	2	200	401	(84)
GSI	Marsh & McLennan Companies, Inc.	USD	195.00	Jul 2023	7	700	1,767	(294)
GSI	Marsh & McLennan Companies, Inc.	USD	195.00	Jul 2023	8	800	1,031	(336)
GSI	Marsh & McLennan Companies, Inc.	USD	200.00	Jul 2023	2	200	359	(7)
GSI	Marsh & McLennan Companies, Inc.	USD	200.00	Jul 2023	7	700	1,529	(25)
GSI	Marsh & McLennan Companies, Inc.	USD	200.00	Jul 2023	8	800	470	(28)
GSI	Marsh & McLennan Companies, Inc.	USD	180.00	Jan 2024	23	2,300	10,971	(38,769)
GSI	Marsh & McLennan Companies, Inc.	USD	190.00	Jan 2024	24	2,400	12,463	(24,132)
GSI	Marsh & McLennan Companies, Inc.	USD	190.00	Jan 2024	2	200	989	(2,011)
GSI	Marsh & McLennan Companies, Inc.	USD	200.00	Jan 2024	2	200	591	(1,028)
GSI	Mastercard, Inc., Class A	USD	380.00	Jan 2024	5	500	18,370	(18,866)
GSI	Mastercard, Inc., Class A	USD	380.00	Jan 2024	5	500	23,912	(18,866)
GSI	Mastercard, Inc., Class A	USD	400.00	Jan 2024	5	500	14,225	(12,738)
GSI	Mastercard, Inc., Class A	USD	400.00	Jan 2024	5	500	18,905	(12,738)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/

Exchange-traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)								
GSI	Mastercard, Inc., Class A	USD	400.00	Jan 2024	17	1,700	\$ 31,554	\$ (43,309)
GSI	Mastercard, Inc., Class A	USD	400.00	Jan 2024	2	200	4,838	(4,838)
GSI	Mastercard, Inc., Class A	USD	405.00	Jan 2024	2	200	3,745	(4,564)
GSI	Mastercard, Inc., Class A	USD	410.00	Jan 2024	18	1,800	33,448	(36,607)
GSI	Mastercard, Inc., Class A	USD	420.00	Jan 2024	5	500	10,973	(7,939)
GSI	Mastercard, Inc., Class A	USD	420.00	Jan 2024	5	500	14,386	(7,939)
GSI	Mastercard, Inc., Class A	USD	420.00	Jan 2024	2	200	2,905	(2,905)
GSI	Mastercard, Inc., Class A	USD	425.00	Jan 2024	2	200	2,300	(2,781)
GSI	Mastercard, Inc., Class A	USD	430.00	Jan 2024	5	500	9,644	(6,048)
GSI	Mastercard, Inc., Class A	USD	430.00	Jan 2024	5	500	12,514	(6,048)
BARC	Meta Platforms, Inc., Class A	USD	290.00	Jan 2024	28	2,800	64,200	(96,824)
UBS	Microsoft Corp.	USD	275.00	Jan 2024	21	2,100	34,919	(163,539)
UBS	Microsoft Corp.	USD	290.00	Jan 2024	21	2,100	24,889	(137,142)
JPM	Microsoft Corp.	USD	300.00	Jan 2024	44	4,400	68,741	(252,120)
JPM	Microsoft Corp.	USD	300.00	Jan 2024	42	4,200	67,078	(240,660)
UBS	Microsoft Corp.	USD	300.00	Jan 2024	21	2,100	19,599	(120,330)
UBS	Microsoft Corp.	USD	360.00	Jan 2024	11	1,100	21,684	(21,874)
UBS	Microsoft Corp.	USD	375.00	Jan 2024	11	1,100	15,618	(15,551)
WFB	NXP Semiconductors NV	USD	170.00	Jan 2024	1	100	2,129	(4,367)
WFB	NXP Semiconductors NV	USD	170.00	Jan 2024	8	800	18,860	(34,934)
WFB	NXP Semiconductors NV	USD	170.00	Jan 2024	9	900	22,091	(39,301)
WFB	NXP Semiconductors NV	USD	180.00	Jan 2024	1	100	1,739	(3,610)
WFB	NXP Semiconductors NV	USD	180.00	Jan 2024	8	800	15,917	(28,880)
WFB	NXP Semiconductors NV	USD	180.00	Jan 2024	9	900	18,738	(32,490)
WFB	NXP Semiconductors NV	USD	180.00	Jan 2024	17	1,700	39,946	(61,369)
WFB	NXP Semiconductors NV	USD	185.00	Jan 2024	1	100	1,569	(3,259)
WFB	NXP Semiconductors NV	USD	185.00	Jan 2024	8	800	14,445	(26,070)
WFB	NXP Semiconductors NV	USD	185.00	Jan 2024	9	900	16,993	(29,329)
WFB	NXP Semiconductors NV	USD	185.00	Jan 2024	17	1,700	35,429	(55,399)
WFB	NXP Semiconductors NV	USD	190.00	Jan 2024	23	2,300	33,448	(67,337)
WFB	NXP Semiconductors NV	USD	195.00	Jan 2024	1	100	1,274	(2,618)
WFB	NXP Semiconductors NV	USD	195.00	Jan 2024	8	800	11,341	(20,944)
WFB	NXP Semiconductors NV	USD	195.00	Jan 2024	9	900	13,415	(23,562)
WFB	NXP Semiconductors NV	USD	195.00	Jan 2024	17	1,700	28,635	(44,507)
WFB	NXP Semiconductors NV	USD	200.00	Jan 2024	23	2,300	37,049	(53,606)
WFB	NXP Semiconductors NV	USD	210.00	Jan 2024	5	500	7,703	(9,123)
WFB	NXP Semiconductors NV	USD	220.00	Jan 2024	5	500	5,845	(7,018)
WFB	NXP Semiconductors NV	USD	220.00	Jun 2024	4	400	7,461	(9,043)
CITI	Revvity, Inc.	USD	155.00	Sep 2023	3	300	2,456	(122)
CITI	Revvity, Inc.	USD	155.00	Sep 2023	11	1,100	7,586	(448)
CITI	Revvity, Inc.	USD	165.00	Sep 2023	3	300	1,458	(99)
CITI	Revvity, Inc.	USD	165.00	Sep 2023	11	1,100	4,298	(363)
CITI	Revvity, Inc.	USD	170.00	Sep 2023	3	300	1,124	(92)
CITI	Revvity, Inc.	USD	170.00	Sep 2023	11	1,100	3,138	(337)
CITI	Revvity, Inc.	USD	175.00	Sep 2023	3	300	851	(86)
CITI	Revvity, Inc.	USD	175.00	Sep 2023	11	1,100	2,364	(315)
CITI	Roper Technologies, Inc.	USD	470.00	Aug 2023	11	1,100	8,705	(21,991)
CITI	Roper Technologies, Inc.	USD	480.00	Aug 2023	3	300	5,813	(4,001)
CITI	Roper Technologies, Inc.	USD	500.00	Aug 2023	3	300	3,832	(1,318)
CITI	Roper Technologies, Inc.	USD	520.00	Aug 2023	3	300	2,427	(337)
CITI	Roper Technologies, Inc.	USD	540.00	Aug 2023	3	300	1,466	(93)
CITI	Roper Technologies, Inc.	USD	490.00	Feb 2024	2	200	4,027	(6,023)
CITI	Roper Technologies, Inc.	USD	510.00	Feb 2024	2	200	2,329	(3,996)
BOA	S&P Global, Inc.	USD	370.00	Jan 2024	1	100	3,045	(4,946)
BOA	S&P Global, Inc.	USD	370.00	Jan 2024	1	100	3,251	(4,946)
BOA	S&P Global, Inc.	USD	370.00	Jan 2024	1	100	4,361	(4,946)
BOA	S&P Global, Inc.	USD	390.00	Jan 2024	1	100	2,319	(3,513)
BOA	S&P Global, Inc.	USD	390.00	Jan 2024	1	100	2,492	(3,513)
BOA	S&P Global, Inc.	USD	390.00	Jan 2024	1	100	3,430	(3,513)
BOA	S&P Global, Inc.	USD	400.00	Jan 2024	1	100	2,019	(2,883)
BOA	S&P Global, Inc.	USD	400.00	Jan 2024	1	100	2,182	(2,883)
BOA	S&P Global, Inc.	USD	400.00	Jan 2024	1	100	2,800	(2,883)
UBS	S&P Global, Inc.	USD	400.00	Jan 2024	2	200	3,109	(5,765)
BOA	S&P Global, Inc.	USD	410.00	Jan 2024	2	200	4,759	(4,638)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/

Exchange-traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)								
UBS	S&P Global, Inc.	USD	410.00	Jan 2024	2	200	\$ 2,446	\$ (4,638)
BOA	S&P Global, Inc.	USD	420.00	Jan 2024	1	100	1,474	(1,826)
BOA	S&P Global, Inc.	USD	420.00	Jan 2024	1	100	1,623	(1,826)
BOA	S&P Global, Inc.	USD	420.00	Jan 2024	1	100	2,019	(1,826)
BOA	S&P Global, Inc.	USD	430.00	Jan 2024	2	200	3,481	(2,807)
BOA	S&P Global, Inc.	USD	450.00	Jan 2024	2	200	2,509	(1,533)
BOA	S&P Global, Inc.	USD	470.00	Jan 2024	2	200	1,711	(746)
GSI	Salesforce, Inc.	USD	160.00	Jan 2024	15	1,500	25,322	(88,990)
GSI	Salesforce, Inc.	USD	165.00	Jan 2024	15	1,500	22,584	(82,579)
GSI	Salesforce, Inc.	USD	165.00	Jan 2024	14	1,400	29,774	(77,074)
GSI	Salesforce, Inc.	USD	170.00	Jan 2024	14	1,400	26,709	(71,234)
GSI	Salesforce, Inc.	USD	230.00	Jan 2024	5	500	9,761	(6,757)
GSI	Salesforce, Inc.	USD	230.00	Jan 2024	2	200	3,021	(2,703)
GSI	Salesforce, Inc.	USD	240.00	Jan 2024	5	500	7,718	(5,069)
GSI	Salesforce, Inc.	USD	240.00	Jan 2024	2	200	2,314	(2,028)
GSI	Salesforce, Inc.	USD	230.00	Jun 2024	2	200	4,800	(4,511)
GSI	Salesforce, Inc.	USD	240.00	Jun 2024	2	200	3,991	(3,721)
GSI	Starbucks Corp.	USD	100.00	Jan 2024	34	3,400	36,680	(24,083)
GSI	Starbucks Corp.	USD	105.00	Jan 2024	34	3,400	30,193	(16,144)
GSI	Starbucks Corp.	USD	115.00	Jan 2024	22	2,200	5,697	(4,018)
WFB	Stryker Corp.	USD	270.00	Jan 2024	3	300	7,207	(14,301)
WFB	Stryker Corp.	USD	270.00	Jan 2024	2	200	5,258	(9,534)
WFB	Stryker Corp.	USD	270.00	Jan 2024	5	500	15,792	(23,836)
WFB	Stryker Corp.	USD	280.00	Jan 2024	3	300	5,855	(11,896)
WFB	Stryker Corp.	USD	280.00	Jan 2024	2	200	4,449	(7,931)
WFB	Stryker Corp.	USD	280.00	Jan 2024	5	500	12,786	(19,827)
WFB	Stryker Corp.	USD	290.00	Jan 2024	3	300	4,684	(9,649)
WFB	Stryker Corp.	USD	290.00	Jan 2024	2	200	3,656	(6,433)
WFB	Stryker Corp.	USD	290.00	Jan 2024	5	500	9,781	(16,081)
WFB	Stryker Corp.	USD	300.00	Jan 2024	3	300	3,842	(7,595)
WFB	Stryker Corp.	USD	300.00	Jan 2024	2	200	3,044	(5,064)
WFB	Stryker Corp.	USD	300.00	Jan 2024	5	500	8,025	(12,659)
WFB	Stryker Corp.	USD	310.00	Jan 2024	8	800	11,100	(15,390)
WFB	Stryker Corp.	USD	320.00	Jan 2024	13	1,300	17,375	(18,259)
JPM	TE Connectivity, Ltd.	USD	125.00	Jul 2023	9	900	5,810	(13,994)
JPM	TE Connectivity, Ltd.	USD	130.00	Jul 2023	9	900	4,230	(9,564)
JPM	TE Connectivity, Ltd.	USD	130.00	Jul 2023	8	800	3,970	(8,501)
JPM	TE Connectivity, Ltd.	USD	135.00	Jul 2023	9	900	3,027	(5,369)
JPM	TE Connectivity, Ltd.	USD	135.00	Jul 2023	8	800	2,371	(4,772)
JPM	TE Connectivity, Ltd.	USD	140.00	Jul 2023	9	900	2,196	(2,076)
JPM	TE Connectivity, Ltd.	USD	140.00	Jul 2023	8	800	1,572	(1,845)
JPM	Teledyne Technologies, Inc.	USD	440.00	Dec 2023	1	100	1,327	(1,413)
JPM	Teledyne Technologies, Inc.	USD	460.00	Dec 2023	1	100	780	(765)
BOA	Texas Instruments, Inc.	USD	180.00	Jan 2024	11	1,100	18,529	(15,132)
BOA	Texas Instruments, Inc.	USD	180.00	Jan 2024	11	1,100	20,899	(15,132)
BOA	Texas Instruments, Inc.	USD	190.00	Jan 2024	11	1,100	14,221	(9,997)
BOA	Texas Instruments, Inc.	USD	190.00	Jan 2024	11	1,100	15,945	(9,997)
BOA	Texas Instruments, Inc.	USD	190.00	Jan 2024	8	800	6,451	(7,270)
BOA	Texas Instruments, Inc.	USD	195.00	Jan 2024	11	1,100	12,354	(7,937)
BOA	Texas Instruments, Inc.	USD	195.00	Jan 2024	11	1,100	13,770	(7,937)
BOA	Texas Instruments, Inc.	USD	195.00	Jan 2024	8	800	5,007	(5,772)
BOA	Texas Instruments, Inc.	USD	200.00	Jan 2024	11	1,100	10,690	(6,195)
BOA	Texas Instruments, Inc.	USD	200.00	Jan 2024	11	1,100	11,651	(6,195)
BOA	Texas Instruments, Inc.	USD	200.00	Jan 2024	44	4,400	50,323	(24,782)
BOA	Texas Instruments, Inc.	USD	200.00	Jan 2024	28	2,800	24,593	(15,770)
BOA	Texas Instruments, Inc.	USD	195.00	Jun 2024	5	500	5,493	(6,163)
BOA	Texas Instruments, Inc.	USD	200.00	Jun 2024	5	500	4,613	(5,245)
JPM	The PNC Financial Services Group, Inc.	USD	170.00	Jan 2024	7	700	6,451	(306)
JPM	The PNC Financial Services Group, Inc.	USD	170.00	Jan 2024	8	800	7,365	(350)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	5	500	6,348	(128)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	4	400	4,544	(102)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	7	700	5,275	(179)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	8	800	6,152	(205)
JPM	The PNC Financial Services Group, Inc.	USD	185.00	Jan 2024	6	600	5,654	(48)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/

Exchange-traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)								
JPM	The PNC Financial Services Group, Inc.	USD	185.00	Jan 2024	4	400	\$ 3,365	\$ (32)
JPM	The PNC Financial Services Group, Inc.	USD	190.00	Jan 2024	4	400	2,816	(17)
JPM	The PNC Financial Services Group, Inc.	USD	190.00	Jan 2024	6	600	4,820	(26)
JPM	The PNC Financial Services Group, Inc.	USD	200.00	Jan 2024	6	600	3,344	(7)
JPM	The PNC Financial Services Group, Inc.	USD	200.00	Jan 2024	4	400	1,924	(5)
CITI	Thermo Fisher Scientific, Inc.	USD	560.00	Jan 2024	1	100	3,157	(2,432)
CITI	Thermo Fisher Scientific, Inc.	USD	590.00	Jan 2024	1	100	1,776	(1,418)
CITI	Thermo Fisher Scientific, Inc.	USD	600.00	Jan 2024	11	1,100	17,846	(12,791)
CITI	Thermo Fisher Scientific, Inc.	USD	610.00	Jan 2024	4	400	17,200	(3,780)
JPM	Thermo Fisher Scientific, Inc.	USD	610.00	Jan 2024	1	100	5,473	(945)
JPM	Thermo Fisher Scientific, Inc.	USD	610.00	Jan 2024	1	100	7,338	(945)
CITI	Thermo Fisher Scientific, Inc.	USD	620.00	Jan 2024	4	400	15,326	(3,043)
CITI	Thermo Fisher Scientific, Inc.	USD	630.00	Jan 2024	4	400	13,632	(2,428)
JPM	Thermo Fisher Scientific, Inc.	USD	630.00	Jan 2024	1	100	4,446	(607)
JPM	Thermo Fisher Scientific, Inc.	USD	630.00	Jan 2024	1	100	6,289	(607)
JPM	Thermo Fisher Scientific, Inc.	USD	660.00	Jan 2024	1	100	3,452	(293)
JPM	Thermo Fisher Scientific, Inc.	USD	660.00	Jan 2024	1	100	4,842	(293)
JPM	Thermo Fisher Scientific, Inc.	USD	690.00	Jan 2024	1	100	2,598	(131)
JPM	Thermo Fisher Scientific, Inc.	USD	690.00	Jan 2024	1	100	3,656	(131)
GSI	TransUnion	USD	65.00	Oct 2023	1	100	837	(1,577)
GSI	TransUnion	USD	65.00	Oct 2023	5	500	4,080	(7,885)
GSI	TransUnion	USD	65.00	Oct 2023	5	500	5,874	(7,885)
GSI	TransUnion	USD	70.00	Oct 2023	1	100	612	(1,161)
GSI	TransUnion	USD	70.00	Oct 2023	5	500	2,960	(5,803)
GSI	TransUnion	USD	70.00	Oct 2023	5	500	4,404	(5,803)
GSI	TransUnion	USD	80.00	Dec 2023	12	1,200	4,954	(7,880)
JPM	UnitedHealth Group, Inc.	USD	550.00	Jan 2024	5	500	5,625	(4,184)
CITI	UnitedHealth Group, Inc.	USD	580.00	Jan 2024	19	1,900	106,351	(6,974)
JPM	UnitedHealth Group, Inc.	USD	600.00	Jan 2024	20	2,000	66,363	(4,023)
GSI	Visa, Inc., Class A	USD	230.00	Jan 2024	8	800	15,261	(17,406)
GSI	Visa, Inc., Class A	USD	230.00	Jan 2024	8	800	18,869	(17,406)
GSI	Visa, Inc., Class A	USD	240.00	Jan 2024	8	800	12,083	(12,358)
GSI	Visa, Inc., Class A	USD	240.00	Jan 2024	8	800	14,938	(12,358)
GSI	Visa, Inc., Class A	USD	240.00	Jan 2024	2	200	2,334	(3,090)
GSI	Visa, Inc., Class A	USD	245.00	Jan 2024	8	800	7,975	(10,176)
GSI	Visa, Inc., Class A	USD	250.00	Jan 2024	8	800	9,264	(8,239)
GSI	Visa, Inc., Class A	USD	250.00	Jan 2024	8	800	11,578	(8,239)
GSI	Visa, Inc., Class A	USD	260.00	Jan 2024	8	800	7,086	(5,125)
GSI	Visa, Inc., Class A	USD	260.00	Jan 2024	8	800	8,778	(5,125)
GSI	Visa, Inc., Class A	USD	260.00	Jan 2024	2	200	884	(1,281)
GSI	Visa, Inc., Class A	USD	250.00	Jun 2024	1	100	1,447	(1,819)
GSI	Visa, Inc., Class A	USD	260.00	Jun 2024	1	100	1,067	(1,365)
WFB	Yum! Brands, Inc.	USD	140.00	Jan 2024	41	4,100	40,881	(32,428)
WFB	Yum! Brands, Inc.	USD	140.00	Jan 2024	41	4,100	40,217	(32,428)
CITI	Yum! Brands, Inc.	USD	145.00	Jan 2024	20	2,000	11,242	(10,733)
CITI	Yum! Brands, Inc.	USD	150.00	Jan 2024	20	2,000	10,042	(6,916)
							\$3,875,718	\$(5,981,992)

Derivatives Currency Abbreviations

USD U.S. Dollar

Derivatives Abbreviations

BARC Barclays Bank PLC
 BOA Bank of America, N.A.
 CITI Citibank, N.A.
 GSI Goldman Sachs International
 JPM JPMorgan Chase Bank, N.A.
 OTC Over-the-counter
 UBS UBS AG
 WFB Wells Fargo Bank, N.A.

See Notes to financial statements regarding investment transactions and other derivatives information.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Disciplined Value International Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 97.4%		
Austria - 0.8%		
ANDRITZ AG	43,996	\$ 2,453,657
Belgium - 0.5%		
Azelis Group NV	59,917	1,367,110
Bermuda - 1.5%		
Everest Re Group, Ltd.	13,125	4,486,913
Brazil - 1.1%		
Banco do Brasil SA	298,600	3,080,665
Canada - 7.5%		
Canadian Natural Resources, Ltd.	79,385	4,463,178
Cenovus Energy, Inc.	313,440	5,323,570
Kinross Gold Corp.	424,370	2,024,547
MEG Energy Corp. (A)	157,908	2,503,165
Suncor Energy, Inc.	80,816	2,370,643
Teck Resources, Ltd., Class B	130,922	5,508,656
		22,193,759
China - 1.9%		
Alibaba Group Holding, Ltd. (A)	546,900	5,693,136
Finland - 1.0%		
Metso Corp.	106,003	1,279,113
Nordea Bank ABP (Nasdaq Stockholm Exchange)	160,184	1,744,833
		3,023,946
France - 8.6%		
Airbus SE	17,406	2,516,596
AXA SA	140,899	4,163,761
Capgemini SE	14,690	2,781,449
Imerys SA (B)	60,700	2,365,989
Kering SA	4,062	2,243,038
Rexel SA	135,113	3,339,181
Sanofi	54,963	5,917,100
SPIE SA	57,146	1,848,054
		25,175,168
Germany - 5.6%		
Allianz SE	11,605	2,703,086
Commerzbank AG	393,725	4,364,788
Daimler Truck Holding AG	72,641	2,618,144
Rheinmetall AG	3,831	1,049,513
Siemens AG	33,858	5,644,172
		16,379,703
Greece - 0.7%		
Hellenic Telecommunications Organization SA	118,334	2,028,609
India - 1.5%		
HDFC Bank, Ltd., ADR	61,977	4,319,797
Ireland - 3.3%		
CRH PLC	77,792	4,303,018
Ryanair Holdings PLC, ADR (A)	49,924	5,521,594
		9,824,612
Japan - 15.5%		
Asahi Group Holdings, Ltd.	187,800	7,286,608
Chugai Pharmaceutical Company, Ltd.	66,500	1,893,855
IHI Corp.	114,500	3,105,513
KDDI Corp.	165,800	5,120,421
Komatsu, Ltd.	92,100	2,491,122
Mitsubishi Electric Corp.	190,700	2,695,897
Mitsubishi Heavy Industries, Ltd.	53,200	2,484,720
Renesas Electronics Corp. (A)	273,700	5,165,352
Resona Holdings, Inc.	369,500	1,769,157
Sony Group Corp.	58,900	5,316,915
Subaru Corp.	70,000	1,318,364
Sumitomo Mitsui Financial Group, Inc.	92,500	3,964,499

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Suzuki Motor Corp.	81,300	\$ 2,948,166
		45,560,589
Luxembourg - 1.3%		
Tenaris SA	259,444	3,881,045
Netherlands - 6.2%		
Aalberts NV	53,914	2,270,422
ING Groep NV	427,523	5,763,707
Koninklijke Ahold Delhaize NV	128,658	4,386,351
Stellantis NV	337,785	5,937,850
		18,358,330
Singapore - 2.3%		
Genting Singapore, Ltd.	2,514,300	1,753,158
United Overseas Bank, Ltd.	235,200	4,880,696
		6,633,854
South Korea - 2.4%		
Hana Financial Group, Inc.	40,228	1,200,907
Samsung Electronics Company, Ltd.	103,481	5,698,004
		6,898,911
Spain - 1.8%		
Banco Bilbao Vizcaya Argentaria SA	455,780	3,501,631
Bankinter SA	307,635	1,893,427
		5,395,058
Sweden - 0.4%		
Svenska Handelsbanken AB, A Shares	144,857	1,212,779
Switzerland - 9.2%		
Glencore PLC	920,994	5,221,941
Novartis AG	67,159	6,770,933
STMicroelectronics NV	149,677	7,464,920
Swiss Re AG	33,065	3,331,722
The Swatch Group AG, Bearer Shares	8,143	2,380,950
UBS Group AG	92,374	1,872,298
		27,042,764
United Kingdom - 22.5%		
AstraZeneca PLC	61,696	8,844,409
BAE Systems PLC	349,737	4,123,844
Beazley PLC	418,420	3,136,984
BP PLC	748,804	4,359,829
Coca-Cola Europacific Partners PLC	82,838	5,337,252
CVS Group PLC	51,565	1,295,469
Endeavour Mining PLC	81,178	1,945,576
Ferroglobe PLC (A)	281,196	1,341,305
Future PLC (B)	129,735	1,111,251
IMI PLC	162,155	3,382,581
Inchcape PLC	158,482	1,568,421
Informa PLC	310,273	2,864,811
JD Sports Fashion PLC	1,639,112	3,044,817
NatWest Group PLC	924,023	2,824,274
Nomad Foods, Ltd. (A)	116,336	2,038,207
Reckitt Benckiser Group PLC	47,089	3,538,786
Shell PLC	144,838	4,320,770
SSE PLC	227,311	5,330,475
Tesco PLC	788,551	2,487,526
WH Smith PLC	161,491	3,184,127
		66,080,714
United States - 1.8%		
Booking Holdings, Inc. (A)	1,981	5,349,354
TOTAL COMMON STOCKS (Cost \$265,319,196)		\$ 286,440,473
RIGHTS - 0.0%		
Shell PLC (A)(C)	141,275	40,617
TOTAL RIGHTS (Cost \$40,617)		\$ 40,617

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 2.4%		
Short-term funds - 2.4%		
Fidelity Government Portfolio, Institutional Class, 5.0243% (D)	6,450,153	\$ 6,450,153
John Hancock Collateral Trust, 5.1773% (D)(E)	72,772	727,342
TOTAL SHORT-TERM INVESTMENTS (Cost \$7,177,539)		\$ 7,177,495
Total Investments (Disciplined Value International Trust) (Cost \$272,537,352) - 99.8%		\$ 293,658,585
Other assets and liabilities, net - 0.2%		492,960
TOTAL NET ASSETS - 100.0%		\$ 294,151,545

Security Abbreviations and Legend

ADR	American Depository Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	Strike price and/or expiration date not available.
(D)	The rate shown is the annualized seven-day yield as of 6-30-23.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

This security represents the investment of cash collateral received for securities lending.

Emerging Markets Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.3%		
Australia - 0.0%		
MMG, Ltd. (A)	184,000	\$ 53,699
Belgium - 0.0%		
Titan Cement International SA	2,489	47,101
Brazil - 3.0%		
Anima Holding SA (A)	24,800	21,702
Atacadao SA	7,800	18,245
Banco Bradesco SA	77,625	237,340
Banco do Brasil SA	57,415	592,352
Banco Santander Brasil SA	21,018	134,452
Boa Vista Servicos SA	13,400	22,220
BrasilAgro - Company Brasileira de Propriedades Agricolas	4,600	23,547
BRF SA (A)	36,731	68,350
Brisanet Participacoes SA	16,300	9,362
Camil Alimentos SA	10,600	15,629
Cia Brasileira de Aluminio	14,963	15,750
Cia Brasileira de Distribuicao (A)	15,747	61,532
Cia Siderurgica Nacional SA	42,185	106,868
Cia Siderurgica Nacional SA, ADR	9,153	23,706
Cogna Educacao SA (A)	86,874	59,147
Construtora Tenda SA (A)	4,000	9,607
Cruzeiro do Sul Educacional SA	10,800	8,684
Cyrela Brazil Realty SA Empreendimentos e Participacoes	34,623	145,558
Dexco SA	27,870	48,602
Embraer SA (A)	67,674	262,035
Empreendimentos Pague Menos S/A	17,964	15,194
Enauta Participacoes SA	16,860	48,381
Eternit SA	4,300	9,950
Even Construtora e Incorporadora SA	19,800	28,160
Ez Tec Empreendimentos e Participacoes SA	8,609	33,118
Gerdau SA, ADR	21,735	113,457
Grupo de Moda Soma SA	25,800	64,659
Guararapes Confecoes SA	10,200	16,445

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Brazil (continued)		
Hapvida Participacoes e Investimentos SA (A)(B)	282,026	\$ 257,983
International Meal Company Alimentacao SA (A)	26,670	14,370
Iochpe Maxion SA	11,411	29,766
IRB Brasil Resseguros SA (A)	3,263	29,678
Jalles Machado SA	7,900	12,407
JBS SA	60,990	222,398
JHSF Participacoes SA	28,427	30,219
Lavvi Empreendimentos Imobiliarios, Ltda.	21,300	31,406
Marisa Lojas SA (A)	19,338	3,554
MRV Engenharia e Participacoes SA	32,337	78,138
Multilaser Industrial SA (A)	20,600	10,713
Natura & Company Holding SA (A)	63,132	220,715
Petroleo Brasileiro SA	380,053	2,627,241
Positivo Tecnologia SA	9,000	17,330
Romi SA	6,244	21,921
Sao Carlos Empreendimentos e Participacoes SA (A)	5,205	23,317
TIM SA	76,910	234,832
Trisul SA	13,137	15,255
Tupy SA	9,951	54,491
Ultrapar Participacoes SA	9,031	35,628
Usinas Siderurgicas de Minas Gerais SA	14,738	22,439
Valid Solucoes e Servicos de Seguranca em Meios de Pagamento e Identificacao SA	7,000	21,417
Via SA (A)	129,207	58,017
Vibra Energia SA	14,457	54,498
YDUQS Participacoes SA (A)	12,275	50,810
Zamp SA (A)	11,800	11,213
		6,403,808
Canada - 0.0%		
China Gold International Resources Corp., Ltd.	15,600	59,805
Chile - 0.6%		
Banco de Credito e Inversiones SA	811	24,780
Banco Itau Chile SA	2,240	24,027
Banco Itau Chile SA, ADR	3,623	12,681
Camanchaca SA	214,992	14,461
CAP SA	5,458	40,423
Cementos BIO BIO SA	16,447	12,924
Cencosud SA	108,062	209,437
Cia Sud Americana de Vapores SA	687,612	46,698
Cristalerias de Chile SA	3,626	12,844
Empresa Nacional de Telecomunicaciones SA	15,564	62,896
Empresas CMPC SA	53,560	102,476
Empresas COPEC SA	25,772	191,260
Empresas Hites SA	46,731	5,537
Enel Americas SA (A)	876,277	116,935
Falabella SA	34,807	83,571
Grupo Security SA	147,513	37,349
Inversiones Aguas Metropolitanas SA	42,648	34,842
Masisa SA (A)	321,066	9,511
PAZ Corp. SA	16,523	11,129
Ripley Corp. SA	137,631	26,779
Salfacorp SA	67,149	33,501
Sigdo Koppers SA	50,989	78,167
SMU SA	245,031	43,092
Sociedad Matriz SAAM SA	476,922	50,836
Socovesa SA	113,429	16,128
SONDA SA	24,563	12,040
		1,314,324

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China - 22.2%		
360 Security Technology, Inc., Class A (A)	16,800	\$ 29,059
361 Degrees International, Ltd. (A)	119,000	56,697
3SBio, Inc. (A)(B)	146,500	147,420
AAC Technologies Holdings, Inc.	79,500	187,901
Addsino Company, Ltd., Class A	9,800	13,514
Agile Group Holdings, Ltd. (A)	157,000	24,951
Agricultural Bank of China, Ltd., H Shares	1,798,000	708,105
Alibaba Group Holding, Ltd. (A)	170,600	1,775,917
A-Living Smart City Services Company, Ltd. (A)(B)	58,250	37,579
Allmed Medical Products Company, Ltd., Class A	6,100	8,729
Aluminum Corp. of China, Ltd., H Shares	372,000	161,011
Angang Steel Company, Ltd., H Shares	167,800	44,040
Anhui Conch Cement Company, Ltd., H Shares	120,500	320,600
Anhui Construction Engineering Group Company, Ltd., Class A	14,900	10,857
Anhui Guangxin Agrochemical Company, Ltd., Class A	4,480	16,706
Anhui Jinhe Industrial Company, Ltd., Class A	10,200	33,219
Anhui Truchum Advanced Materials & Technology Company, Ltd., Class A	12,200	11,986
Anhui Zhongding Sealing Parts Company, Ltd., Class A	9,200	16,626
Anton Oilfield Services Group (A)	284,000	15,649
Aoshikang Technology Company, Ltd., Class A (A)	4,600	24,214
Asia - Potash International Investment Guangzhou Company, Ltd., Class A (A)	5,200	16,459
Asia Cement China Holdings Corp.	65,000	32,088
AsiaInfo Technologies, Ltd. (B)	10,000	13,954
Avary Holding Shenzhen Company, Ltd., Class A	8,600	28,798
AVIC Industry-Finance Holdings Company, Ltd., Class A	40,100	21,174
AviChina Industry & Technology Company, Ltd., H Shares	230,000	111,891
BAIC Motor Corp., Ltd., H Shares (B)	207,000	50,413
Baidu, Inc., ADR (A)	11,954	1,636,622
Baidu, Inc., Class A (A)	3,350	57,137
BAIOO Family Interactive, Ltd. (B)	126,000	6,455
Bank of Beijing Company, Ltd., Class A	90,000	57,414
Bank of Changsha Company, Ltd., Class A	41,600	44,527
Bank of Chengdu Company, Ltd., Class A (A)	28,200	47,460
Bank of China, Ltd., H Shares	5,394,694	2,165,929
Bank of Chongqing Company, Ltd., H Shares	69,500	35,701
Bank of Communications Company, Ltd., H Shares	485,876	322,374
Bank of Guiyang Company, Ltd., Class A	19,600	13,941
Bank of Hangzhou Company, Ltd., Class A	38,900	63,016
Bank of Jiangsu Company, Ltd., Class A (A)	99,100	100,456
Bank of Nanjing Company, Ltd., Class A	67,500	74,434
Bank of Ningbo Company, Ltd., Class A	36,960	128,976
Bank of Shanghai Company, Ltd., Class A	57,000	45,157
Bank of Suzhou Company, Ltd., Class A	21,010	18,976
Bank of Tianjin Company, Ltd., H Shares (A)	74,000	16,917
Baoshan Iron & Steel Company, Ltd., Class A	116,100	89,895
Baoye Group Company, Ltd., H Shares (A)	22,000	11,405

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Baozun, Inc., Class A (A)	1,300	\$ 1,726
BBMG Corp., H Shares	220,000	24,221
Beijing Capital Eco-Environment Protection Group Company, Ltd., Class A	50,000	19,846
Beijing Capital International Airport Company, Ltd., H Shares (A)	188,000	122,012
Beijing Dabeinong Technology Group Company, Ltd., Class A	18,200	16,543
Beijing Easpring Material Technology Company, Ltd., Class A	2,900	20,208
Beijing Enlight Media Company, Ltd., Class A	14,200	15,840
Beijing GeoEnviron Engineering & Technology, Inc., Class A (A)	7,200	9,297
Beijing Jetsen Technology Company, Ltd., Class A (A)	27,000	23,489
Beijing Jingyuntong Technology Company, Ltd., Class A	11,700	9,768
Beijing New Building Materials PLC, Class A	12,300	41,523
Beijing North Star Company, Ltd., H Shares (A)	132,000	13,976
Beijing Orient National Communication Science & Technology Company, Ltd., Class A (A)	10,200	15,786
Beijing Originwater Technology Company, Ltd., Class A	3,551	2,624
Beijing Shougang Company, Ltd., Class A	20,200	9,745
Beijing Shunxin Agriculture Company, Ltd., Class A (A)	3,700	17,185
Beijing Sinnet Technology Company, Ltd., Class A (A)	10,500	15,589
Beijing Urban Construction Design & Development Group Company, Ltd., H Shares (B)	35,000	9,571
Beijing Yanjing Brewery Company, Ltd., Class A	18,000	30,940
Beijing-Shanghai High Speed Railway Company, Ltd., Class A	97,200	70,474
BGI Genomics Company, Ltd., Class A	2,400	19,841
Blue Sail Medical Company, Ltd., Class A	7,100	7,022
BOC International China Company, Ltd., Class A	8,800	12,941
BOE Technology Group Company, Ltd., Class A	248,600	140,275
Bohai Leasing Company, Ltd., Class A (A)	50,900	14,730
Bright Dairy & Food Company, Ltd., Class A	9,600	13,763
BTG Hotels Group Company, Ltd., Class A (A)	4,500	11,758
BYD Electronic International Company, Ltd.	63,500	193,166
Cabbeen Fashion, Ltd.	40,000	4,441
Caitong Securities Company, Ltd., Class A	33,670	33,624
Cangzhou Mingzhu Plastic Company, Ltd., Class A	15,000	9,368
Canmax Technologies Company, Ltd., Class A	4,900	24,231
CECEP Solar Energy Company, Ltd., Class A	34,200	31,981
CECEP Wind-Power Corp., Class A	25,480	12,893
Central China Management Company, Ltd.	113,732	5,450
Central China Real Estate, Ltd. (A)	118,093	2,276

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Changjiang Securities Company, Ltd., Class A	20,700	\$ 16,551
Changsha Broad Homes Industrial Group Company, Ltd., H Shares (A)(B)	9,000	1,989
Chaowei Power Holdings, Ltd.	88,000	17,148
Chengdu Kanghong Pharmaceutical Group Company, Ltd., Class A	6,600	17,392
Chengdu Wintrue Holding Company, Ltd., Class A	15,700	19,454
Chengtun Mining Group Company, Ltd., Class A	12,000	8,047
Chengxin Lithium Group Company, Ltd., Class A	2,900	12,755
Chengzhi Company, Ltd., Class A	5,100	5,358
China BlueChemical, Ltd., H Shares	200,000	45,024
China Bohai Bank Company, Ltd., H Shares (A)(B)	291,000	44,949
China Cinda Asset Management Company, Ltd., H Shares	588,000	58,775
China CITIC Bank Corp., Ltd., H Shares	670,775	315,370
China Coal Energy Company, Ltd., H Shares	178,000	132,541
China Communications Services Corp., Ltd., H Shares	217,200	107,238
China Conch Environment Protection Holdings, Ltd. (A)	9,500	2,787
China Conch Venture Holdings, Ltd.	109,000	142,416
China Construction Bank Corp., H Shares	7,507,000	4,860,194
China CSSC Holdings, Ltd., Class A	14,900	67,655
China Development Bank Financial Leasing Company, Ltd., H Shares (B)	122,000	16,221
China Dili Group (A)(C)	190,600	11,238
China Dongxiang Group Company, Ltd.	361,000	14,117
China Electronics Optics Valley Union Holding Company, Ltd.	308,000	13,599
China Energy Engineering Corp., Ltd., H Shares	162,000	19,916
China Everbright Bank Company, Ltd., H Shares	248,000	71,326
China Feihe, Ltd. (B)	21,000	11,722
China Galaxy Securities Company, Ltd., H Shares	272,500	145,866
China Great Wall Securities Company, Ltd., Class A (A)	11,800	13,240
China Greatwall Technology Group Company, Ltd., Class A	14,300	27,256
China Green Electricity Investment of Tianjin Company, Ltd., Class A	7,500	12,068
China Hanking Holdings, Ltd.	61,000	6,012
China Harmony Auto Holding, Ltd. (A)	105,500	11,647
China Hongqiao Group, Ltd.	249,000	203,380
China Huiyuan Juice Group, Ltd. (A)(C)	212,500	13,695
China International Marine Containers Group Company, Ltd., H Shares	97,050	56,577
China Jushi Company, Ltd., Class A	30,900	60,333
China Kepei Education Group, Ltd.	68,000	20,647
China Lesso Group Holdings, Ltd.	133,000	87,649
China Lilang, Ltd.	72,000	38,634
China Maple Leaf Educational Systems, Ltd. (A)(C)	222,000	9,066
China Meheco Company, Ltd., Class A	6,160	11,038
China Merchants Bank Company, Ltd., H Shares	261,500	1,192,725
China Merchants Energy Shipping Company, Ltd., Class A	20,200	16,110

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Merchants Property Operation & Service Company, Ltd., Class A (A)	4,300	\$ 8,915
China Merchants Securities Company, Ltd., H Shares (B)	29,480	27,834
China Merchants Shekou Industrial Zone Holdings Company, Ltd., Class A	19,600	35,189
China Minsheng Banking Corp., Ltd., H Shares	371,400	137,501
China Modern Dairy Holdings, Ltd.	171,000	17,960
China National Accord Medicines Corp., Ltd., Class A	2,730	16,404
China National Building Material Company, Ltd., H Shares	391,450	241,893
China National Chemical Engineering Company, Ltd., Class A	40,100	45,779
China National Medicines Corp., Ltd., Class A	3,200	17,132
China National Nuclear Power Company, Ltd., Class A	111,100	107,963
China New Higher Education Group, Ltd. (B)	88,000	26,305
China Nonferrous Mining Corp., Ltd.	22,000	10,440
China Oilfield Services, Ltd., H Shares	128,000	132,546
China Oriental Group Company, Ltd.	164,000	22,477
China Pacific Insurance Group Company, Ltd., H Shares	160,200	415,905
China Petroleum & Chemical Corp., H Shares	1,878,000	1,104,152
China Railway Group, Ltd., H Shares	313,000	207,106
China Railway Signal & Communication Corp., Ltd., H Shares (B)	111,000	42,047
China Reinsurance Group Corp., H Shares	554,000	37,586
China Renaissance Holdings, Ltd. (A)(B)(C)	12,000	5,010
China Resources Double Crane Pharmaceutical Company, Ltd., Class A	6,300	15,132
China Resources Medical Holdings Company, Ltd.	103,000	79,284
China Resources Pharmaceutical Group, Ltd. (B)	166,500	145,337
China Risun Group, Ltd.	72,000	33,468
China Sanjiang Fine Chemicals Company, Ltd. (A)	105,000	17,593
China SCE Group Holdings, Ltd.	229,200	14,413
China Shanshui Cement Group, Ltd. (A)	117,000	16,694
China Shenhua Energy Company, Ltd., H Shares	288,500	884,143
China Shineway Pharmaceutical Group, Ltd.	32,000	36,162
China Silver Group, Ltd. (A)	94,000	3,917
China South Publishing & Media Group Company, Ltd., Class A	14,900	23,799
China State Construction Engineering Corp., Ltd., Class A	265,600	210,005
China Sunshine Paper Holdings Company, Ltd. (A)	31,500	11,038
China Taifeng Beddings Holdings, Ltd. (A)(C)	204,000	12,652
China Tower Corp., Ltd., H Shares (B)	3,970,000	442,136
China TransInfo Technology Company, Ltd., Class A (A)	9,500	17,869
China Tungsten And Hightech Materials Company, Ltd., Class A	11,180	14,945
China Vanke Company, Ltd., H Shares	137,592	185,351
China XLX Fertiliser, Ltd.	58,000	24,882

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Yongda Automobiles Services Holdings, Ltd.	101,000	\$ 50,949
China Yuhua Education Corp., Ltd. (A)(B)	162,000	18,257
China Zheshang Bank Company, Ltd., H Shares	42,000	13,806
China Zhongwang Holdings, Ltd. (A)(C)	196,800	42,193
Chinasoft International, Ltd. (A)	142,000	89,553
Chinese Universe Publishing and Media Group Company, Ltd., Class A	6,200	11,380
Chongqing Changan Automobile Company, Ltd., Class A (A)	34,190	61,134
Chongqing Rural Commercial Bank Company, Ltd., H Shares	156,000	55,235
Chow Tai Seng Jewellery Company, Ltd., Class A	3,700	9,075
CITIC Securities Company, Ltd., H Shares	117,525	213,697
CITIC, Ltd.	350,130	419,225
CMGE Technology Group, Ltd. (A)	30,000	6,732
CMOC Group, Ltd., H Shares	24,000	12,636
CMST Development Company, Ltd., Class A	21,400	15,908
CNOOC Energy Technology & Services, Ltd., Class A	33,000	13,967
CNSIG Inner Mongolia Chemical Industry Company, Ltd., Class A	20,800	25,829
COFCO Biotechnology Company, Ltd., Class A	15,200	16,977
COFCO Joycome Foods, Ltd. (A)	202,000	48,627
Colour Life Services Group Company, Ltd. (A)(C)	6,169	439
Consun Pharmaceutical Group, Ltd.	19,000	12,893
COSCO SHIPPING Development Company, Ltd., H Shares	434,000	53,851
COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	30,000	30,191
COSCO SHIPPING Holdings Company, Ltd., H Shares	252,500	228,251
Country Garden Holdings Company, Ltd. (A)	835,155	170,364
CPMC Holdings, Ltd.	76,000	37,765
CSG Holding Company, Ltd., Class A (A)	13,900	11,437
CT Environmental Group, Ltd. (A)(C)	164,000	2,491
CTS International Logistics Corp., Ltd., Class A	8,000	10,044
Daan Gene Company, Ltd., Class A	10,300	14,156
Dexin China Holdings Company, Ltd. (A)	66,000	3,264
DHC Software Company, Ltd., Class A	33,500	32,601
Dian Diagnostics Group Company, Ltd., Class A	2,300	8,126
Digital China Information Service Company, Ltd., Class A	7,800	13,228
Dong-E-E-Jiao Company, Ltd., Class A	2,100	15,471
Dongfang Electric Corp., Ltd., H Shares	18,600	23,861
Dongfeng Motor Group Company, Ltd., H Shares	76,000	34,837
Dongxing Securities Company, Ltd., Class A	12,000	13,272
Dongyue Group, Ltd.	91,000	68,350
Dynagreen Environmental Protection Group Company, Ltd., H Shares	75,000	24,058
East Group Company, Ltd., Class A	10,300	9,531
E-Commodities Holdings, Ltd.	200,000	26,873
Edvantage Group Holdings, Ltd.	39,378	11,440
Everbright Securities Company, Ltd., H Shares (B)	25,600	17,639

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Fangda Carbon New Material Company, Ltd., Class A (A)	13,200	\$ 11,281
Fangda Special Steel Technology Company, Ltd., Class A (A)	8,800	5,612
FAW Jiefang Group Company, Ltd., Class A (A)	9,300	10,737
Fiberhome Telecommunication Technologies Company, Ltd., Class A	5,000	14,037
FIH Mobile, Ltd. (A)	306,000	30,920
FinVolution Group, ADR	6,795	31,257
First Capital Securities Company, Ltd., Class A (A)	18,600	14,668
Fosun International, Ltd.	195,460	134,687
Founder Securities Company, Ltd., Class A	31,500	28,405
Foxconn Industrial Internet Company, Ltd., Class A	50,800	176,212
Fu Shou Yuan International Group, Ltd.	8,000	5,517
Fufeng Group, Ltd.	182,200	92,331
Fujian Funeng Company, Ltd., Class A	13,000	20,691
Fujian Sunner Development Company, Ltd., Class A	6,700	17,672
Gansu Shangfeng Cement Company, Ltd., Class A	10,080	12,685
GCL Energy Technology Company, Ltd., Class A	11,700	21,657
GDS Holdings, Ltd., Class A (A)	48,500	66,504
GEM Company, Ltd., Class A (A)	25,800	24,609
Gemdale Corp., Class A	16,600	16,486
Genertec Universal Medical Group Company, Ltd. (B)	99,000	54,482
GF Securities Company, Ltd., H Shares	50,000	69,126
Giant Network Group Company, Ltd., Class A	15,500	38,290
Glory Health Industry, Ltd. (A)	84,000	1,837
GoerTek, Inc., Class A	24,400	59,792
Gotion High-tech Company, Ltd., Class A (A)	5,500	20,971
Grand Baoxin Auto Group, Ltd. (A)	219,500	9,433
Grandjoy Holdings Group Company, Ltd., Class A (A)	22,500	11,347
Greatview Aseptic Packaging Company, Ltd. (A)	44,000	12,092
Gree Electric Appliances, Inc. of Zhuhai, Class A	20,300	102,179
Greenland Hong Kong Holdings, Ltd.	88,000	4,859
Greentown China Holdings, Ltd.	102,500	103,100
GRG Banking Equipment Company, Ltd., Class A	15,700	25,383
Guangdong Dowstone Technology Company, Ltd., Class A	6,000	10,410
Guangdong Hec Technology Holding Company, Ltd., Class A	10,900	10,834
Guangdong Tapai Group Company, Ltd., Class A	13,200	14,041
Guangdong Xinbao Electrical Appliances Holdings Company, Ltd., Class A	5,400	13,432
Guanghui Energy Company, Ltd., Class A	34,100	32,273
Guangshen Railway Company, Ltd., H Shares (A)	211,600	67,068
Guangxi Liugong Machinery Company, Ltd., Class A	12,000	13,063
Guangzhou Automobile Group Company, Ltd., H Shares	154,000	92,067
Guangzhou Baiyunshan Pharmaceutical Holdings Company, Ltd., H Shares	16,000	48,387

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Guangzhou Haige Communications Group, Inc. Company, Class A	17,800	\$ 25,356
Guangzhou Yuexiu Capital Holdings Group Company, Ltd., Class A	22,950	20,100
Guizhou Panjiang Refined Coal Company, Ltd., Class A	18,700	17,906
Guizhou Xintang Pharmaceutical Company, Ltd., Class A	10,700	6,535
Guosen Securities Company, Ltd., Class A	35,700	42,995
Guotai Junan Securities Company, Ltd., H Shares (B)	34,600	40,693
Guoyuan Securities Company, Ltd., Class A	17,400	15,665
Haitian International Holdings, Ltd.	70,000	164,173
Haitong Securities Company, Ltd., H Shares	188,000	115,453
Hang Zhou Great Star Industrial Company, Ltd., Class A	4,300	12,991
Hangcha Group Company, Ltd., Class A	5,800	18,821
Hangzhou Binjiang Real Estate Group Company, Ltd., Class A	20,300	24,691
Hangzhou Robam Appliances Company, Ltd., Class A	4,400	15,349
Han's Laser Technology Industry Group Company, Ltd., Class A	8,000	28,928
Harbin Bank Company, Ltd., H Shares (A)(B)	74,000	2,365
Harbin Electric Company, Ltd., H Shares	84,000	33,900
HBIS Resources Company, Ltd., Class A	4,700	8,744
Heilongjiang Agriculture Company, Ltd., Class A	9,100	16,722
Henan Shenhua Coal & Power Company, Ltd., Class A	15,800	28,323
Hengan International Group Company, Ltd.	63,500	267,745
Hengli Petrochemical Company, Ltd., Class A (A)	35,401	69,994
Hengtong Optic-electric Company, Ltd., Class A	13,900	28,091
Hengyi Petrochemical Company, Ltd., Class A	23,800	22,233
Hesteel Company, Ltd., Class A	54,700	17,042
Hiroca Holdings, Ltd.	8,000	11,433
Hongda Xingye Company, Ltd., Class A (A)	28,900	8,925
Honghua Group, Ltd. (A)	367,000	6,024
Honworld Group, Ltd. (A)(B)	56,000	4,374
Hope Education Group Company, Ltd. (A)(B)	352,000	23,468
Hua Hong Semiconductor, Ltd. (A)(B)	47,000	154,653
Huafon Chemical Company, Ltd., Class A	46,600	44,068
Huaibei Mining Holdings Company, Ltd., Class A	10,300	16,355
Huapont Life Sciences Company, Ltd., Class A	10,700	7,377
Huatai Securities Company, Ltd., H Shares (B)	78,200	96,873
Huaxi Securities Company, Ltd., Class A	7,000	8,027
Huaxia Bank Company, Ltd., Class A	79,200	59,049
Huaxin Cement Company, Ltd., Class A	7,100	12,092
Huayu Automotive Systems Company, Ltd., Class A	22,700	57,783
Hubei Biocause Pharmaceutical Company, Ltd., Class A	20,900	8,653
Hubei Jumpcan Pharmaceutical Company, Ltd., Class A (A)	7,400	29,626

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Hubei Xingfa Chemicals Group Company, Ltd., Class A	7,900	\$ 24,228
Huishang Bank Corp., Ltd., H Shares	63,300	19,938
Humanwell Healthcare Group Company, Ltd., Class A	12,500	46,419
Hunan Valin Steel Company, Ltd., Class A	44,000	28,941
Hytera Communications Corp., Ltd., Class A (A)	14,800	11,844
iDreamSky Technology Holdings, Ltd. (A)(B)	60,400	26,746
Industrial & Commercial Bank of China, Ltd., H Shares	4,216,000	2,253,079
Industrial Bank Company, Ltd., Class A	131,700	284,371
Industrial Securities Company, Ltd., Class A	37,960	32,049
Ingdan, Inc. (B)	74,000	13,237
Inkeverse Group, Ltd. (A)	75,000	6,532
Inner Mongolia BaoTou Steel Union Company, Ltd., Class A (A)	166,200	41,030
Inner Mongolia Dian Tou Energy Corp., Ltd., Class A	8,600	15,688
Inner Mongolia ERDOS Resources Company, Ltd., Class A	8,820	10,913
Inner Mongolia Junzheng Energy & Chemical Industry Group Company, Ltd., Class A	43,700	24,699
Inner Mongolia Yitai Coal Company, Ltd., H Shares	16,500	36,282
Inner Mongolia Yuan Xing Energy Company, Ltd., Class A	18,500	18,329
Intco Medical Technology Company, Ltd., Class A	3,840	11,652
JCET Group Company, Ltd., Class A	10,100	43,457
Jiangsu Azure Corp., Class A (A)	9,700	14,681
Jiangsu Changshu Rural Commercial Bank Company, Ltd., Class A	18,200	17,112
Jiangsu Eastern Shenghong Company, Ltd., Class A	11,700	19,076
Jiangsu Guotai International Group Company, Ltd., Class A	7,600	7,902
Jiangsu Jiangyin Rural Commercial Bank Company, Ltd., Class A	17,900	9,108
Jiangsu Lihua Animal Husbandry Stock Company, Ltd., Class A	4,860	12,340
Jiangsu Linyang Energy Company, Ltd., Class A	13,300	15,018
Jiangsu Provincial Agricultural Reclamation and Development Corp.	11,200	17,981
Jiangsu Shagang Company, Ltd., Class A	27,000	14,924
Jiangsu Shuangxing Color Plastic New Materials Company, Ltd., Class A	5,200	9,016
Jiangsu Zhangjiagang Rural Commercial Bank Company, Ltd., Class A	16,680	9,735
Jiangsu Zhongtian Technology Company, Ltd., Class A	21,300	46,716
Jiangxi Copper Company, Ltd., H Shares	68,000	105,114
Jilin Aodong Pharmaceutical Group Company, Ltd., Class A	4,700	10,386
Jingrui Holdings, Ltd. (A)	69,000	754
Jinmao Property Services Company, Ltd.	7,552	3,132
Jinneng Science&Technology Company, Ltd., Class A	8,700	9,701
Jizhong Energy Resources Company, Ltd., Class A	18,200	16,001

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Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Joincare Pharmaceutical Group Industry Company, Ltd., Class A (A)	11,400	\$ 19,973
Jointown Pharmaceutical Group Company, Ltd., Class A	11,473	16,400
Kangda International Environmental Company, Ltd. (A)(B)	140,000	7,075
Kasen International Holdings, Ltd. (A)	119,000	4,134
Keshun Waterproof Technologies Company, Ltd., Class A	10,700	13,514
Kingfa Sci & Tech Company, Ltd., Class A	12,500	15,038
Kingsoft Corp., Ltd.	24,200	95,652
KWG Group Holdings, Ltd. (A)	154,013	19,790
KWG Living Group Holdings, Ltd. (A)	88,506	10,210
LB Group Company, Ltd., Class A	13,400	30,481
Legend Holdings Corp., H Shares (B)	66,200	61,501
Lens Technology Company, Ltd., Class A	21,100	34,233
Leo Group Company, Ltd., Class A (A)	58,700	18,607
LexinFintech Holdings, Ltd., ADR (A)	14,967	34,274
Leyard Optoelectronic Company, Ltd., Class A	9,800	8,825
Liaoning Cheng Da Company, Ltd., Class A	7,000	12,687
Liaoning Port Company, Ltd., H Shares	204,000	17,476
Lier Chemical Company, Ltd., Class A	5,460	9,718
Lingyi iTech Guangdong Company, Class A (A)	42,900	40,865
Longfor Group Holdings, Ltd. (B)	157,500	384,606
Lonking Holdings, Ltd.	217,000	35,795
Luenmei Quantum Company, Ltd., Class A	23,100	22,176
Luxi Chemical Group Company, Ltd., Class A	14,600	21,254
Luye Pharma Group, Ltd. (A)(B)	189,500	80,223
Maanshan Iron & Steel Company, Ltd., H Shares	108,000	19,088
Maccura Biotechnology Company, Ltd., Class A	6,800	14,178
Mango Excellent Media Company, Ltd., Class A	8,000	37,795
Maoyan Entertainment (A)(B)	19,400	17,784
Mayinglong Pharmaceutical Group Company, Ltd., Class A	5,200	19,931
Meinian Onehealth Healthcare Holdings Company, Ltd., Class A (A)	14,500	14,219
Metallurgical Corp. of China, Ltd., H Shares	185,000	45,660
Midea Real Estate Holding, Ltd. (B)	9,600	8,653
Ming Yang Smart Energy Group, Ltd., Class A	14,400	33,532
Minth Group, Ltd.	38,000	104,482
MLS Company, Ltd., Class A	9,700	12,307
Nanjing Iron & Steel Company, Ltd., Class A	38,000	17,644
NavInfo Company, Ltd., Class A (A)	11,700	18,695
NetDragon Websoft Holdings, Ltd.	17,000	32,099
New China Life Insurance Company, Ltd., H Shares	55,300	146,133
New Hope Liuhe Company, Ltd., Class A (A)	16,500	26,551
Newland Digital Technology Company, Ltd., Class A	4,600	11,987
Ningbo Huaxiang Electronic Company, Ltd., Class A	6,500	12,003
Ningbo Joyson Electronic Corp., Class A	8,100	19,712

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Ningbo Sanxing Medical Electric Company, Ltd., Class A	4,500	\$ 7,837
Ningbo Zhoushan Port Company, Ltd., Class A	17,900	8,363
Ningxia Baofeng Energy Group Company, Ltd., Class A	15,500	26,979
Noah Holdings, Ltd., ADR	1,849	26,034
North Industries Group Red Arrow Company, Ltd., Class A	6,800	16,976
Northeast Securities Company, Ltd., Class A	10,520	10,066
NVC International Holdings, Ltd. (A)	267,000	2,346
Offshore Oil Engineering Company, Ltd., Class A	30,700	24,757
Orient Securities Company, Ltd., H Shares (B)	42,000	23,080
PetroChina Company, Ltd., H Shares	1,912,000	1,327,612
PICC Property & Casualty Company, Ltd., H Shares	436,000	485,467
Ping An Bank Company, Ltd., Class A	116,600	180,730
Ping An Insurance Group Company of China, Ltd., H Shares	385,000	2,458,963
Pingdingshan Tianan Coal Mining Company, Ltd., Class A	15,000	15,582
Postal Savings Bank of China Company, Ltd., H Shares (B)	536,000	330,528
Power Construction Corp. of China, Ltd., Class A	61,800	48,895
Q Technology Group Company, Ltd. (A)	37,000	14,630
Qifu Technology, Inc., ADR	2,283	39,450
Qingdao Port International Company, Ltd., H Shares (B)	19,000	10,432
Qingdao Rural Commercial Bank Corp., Class A	34,400	12,894
Qingling Motors Company, Ltd., H Shares (A)	128,000	12,284
Qunxing Paper Holdings Company, Ltd. (A)(C)	634,371	0
Radiance Holdings Group Company, Ltd. (A)	23,000	10,977
Red Star Macalline Group Corp., Ltd., H Shares (B)	62,480	24,786
Redco Properties Group, Ltd. (A)(B)(C)	96,000	10,591
Renhe Pharmacy Company, Ltd., Class A	14,800	12,532
Risen Energy Company, Ltd., Class A	2,800	9,902
RiseSun Real Estate Development Company, Ltd., Class A (A)	16,000	3,396
Riyue Heavy Industry Company, Ltd., Class A	8,200	21,480
Rongsheng Petrochemical Company, Ltd., Class A	59,400	95,385
SAIC Motor Corp., Ltd., Class A	22,200	43,373
Sailun Group Company, Ltd., Class A	14,200	22,296
Sansteel Minguang Company, Ltd., Class A	16,900	9,827
Sansure Biotech, Inc., Class A	3,136	7,282
Sany Heavy Industry Company, Ltd., Class A	23,200	53,189
Satellite Chemical Company, Ltd., Class A	20,300	41,870
SDIC Capital Company, Ltd., Class A	14,700	14,427
Sealand Securities Company, Ltd., Class A	25,200	11,641
Seazen Group, Ltd. (A)	251,428	49,276
Seazen Holdings Company, Ltd., Class A (A)	14,800	29,401
SF Holding Company, Ltd., Class A	7,400	45,994

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Shaanxi Coal Industry Company, Ltd., Class A	59,000	\$ 147,893
Shan Xi Hua Yang Group New Energy Company, Ltd., Class A	27,150	29,594
Shandong Bohui Paper Industrial Company, Ltd., Class A	7,000	5,711
Shandong Buchang Pharmaceuticals Company, Ltd., Class A	3,600	10,211
Shandong Chenming Paper Holdings, Ltd., H Shares (A)	41,000	13,267
Shandong Himile Mechanical Science & Technology Company, Ltd., Class A	5,200	25,188
Shandong Hi-Speed Road & Bridge Company, Ltd., Class A	25,300	22,408
Shandong Hualu Hengsheng Chemical Company, Ltd., Class A	9,500	40,110
Shandong Jincheng Pharmaceutical Group Company, Ltd., Class A	7,300	19,141
Shandong Linglong Tyre Company, Ltd., Class A	8,600	26,330
Shandong Nanshan Aluminum Company, Ltd., Class A	48,800	20,337
Shandong Sun Paper Industry JSC, Ltd., Class A	13,600	20,037
Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	83,200	109,171
Shanghai AJ Group Company, Ltd., Class A	21,300	14,680
Shanghai Bailian Group Company, Ltd., Class A	13,400	24,690
Shanghai Construction Group Company, Ltd., Class A	41,000	15,199
Shanghai Electric Group Company, Ltd., H Shares (A)	158,000	36,952
Shanghai Environment Group Company, Ltd., Class A	11,800	15,434
Shanghai International Port Group Company, Ltd., Class A	44,200	31,997
Shanghai Jinjiang International Hotels Company, Ltd., Class A	3,300	19,267
Shanghai Lingang Holdings Corp., Ltd., Class A	7,000	11,535
Shanghai Lujiazui Finance & Trade Zone Development Company, Ltd., Class A	6,500	8,845
Shanghai Mechanical and Electrical Industry Company, Ltd., Class A	4,400	10,413
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	60,000	119,107
Shanghai Pudong Development Bank Company, Ltd., Class A	121,600	121,346
Shanghai RAAS Blood Products Company, Ltd., Class A	29,400	30,424
Shanghai Tunnel Engineering Company, Ltd., Class A	24,000	19,874
Shanghai Yuyuan Tourist Mart Group Company, Ltd., Class A	28,200	26,664
Shanghai Zhangjiang High-Tech Park Development Company, Ltd., Class A	13,300	25,535
Shanxi Coking Coal Energy Group Company, Ltd., Class A	22,900	28,749
Shanxi Coking Company, Ltd., Class A	16,400	11,595
Shanxi Lu'an Environmental Energy Development Company, Ltd., Class A	21,300	47,910
Shanxi Taigang Stainless Steel Company, Ltd., Class A	40,100	21,405

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Shanying International Holding Company, Ltd., Class A (A)	40,100	\$ 12,656
Shengjing Bank Company, Ltd., H Shares (A)(B)	17,500	11,831
Shenguan Holdings Group, Ltd.	90,000	3,333
Shengyi Technology Company, Ltd., Class A	15,400	30,142
Shenwan Hongyuan Group Company, Ltd., H Shares (B)	143,200	27,499
Shenzhen Agricultural Products Group Company, Ltd., Class A	22,100	18,247
Shenzhen Airport Company, Ltd., Class A	12,200	11,686
Shenzhen Aisidi Company, Ltd., Class A	13,100	13,326
Shenzhen Everwin Precision Technology Company, Ltd., Class A (A)	6,000	9,866
Shenzhen Gas Corp., Ltd., Class A	17,200	17,270
Shenzhen Huaqiang Industry Company, Ltd., Class A	4,300	6,768
Shenzhen Jinjia Group Company, Ltd., Class A (A)	11,500	9,552
Shenzhen Kaifa Technology Company, Ltd., Class A (A)	8,800	24,246
Shenzhen Kinwong Electronic Company, Ltd., Class A	9,700	34,289
Shenzhen Microgate Technology Company, Ltd., Class A	14,600	17,229
Shenzhen MTC Company, Ltd., Class A	26,800	20,321
Shenzhen Overseas Chinese Town Company, Ltd., Class A (A)	44,000	26,696
Shenzhen Suntak Circuit Technology Company, Ltd., Class A	8,500	14,595
Shenzhen Sunway Communication Company, Ltd., Class A	9,800	27,173
Shenzhen YUTO Packaging Technology Company, Ltd., Class A	2,400	8,069
Shenzhen Zhongjin Lingnan Nonfemet Company, Ltd., Class A	16,500	10,819
Shijiazhuang Changshan BeiMing Technology Company, Ltd., Class A (A)	23,700	26,425
Shui On Land, Ltd.	390,961	44,427
Sichuan Development Lomon Company, Ltd., Class A	12,700	14,239
Sichuan Hebang Biotechnology Company, Ltd., Class A	69,000	23,137
Sichuan Kelun Pharmaceutical Company, Ltd., Class A	11,400	46,635
Sichuan Road and Bridge Group Company, Ltd., Class A	43,400	58,639
Sichuan Yahua Industrial Group Company, Ltd., Class A	2,900	7,116
Sihuan Pharmaceutical Holdings Group, Ltd.	343,000	34,301
Sinoma International Engineering Company, Class A	21,600	37,937
Sinoma Science & Technology Company, Ltd., Class A	7,900	22,374
Sino-Ocean Group Holding, Ltd. (A)	333,973	18,855
Sinopec Engineering Group Company, Ltd., H Shares	129,000	57,584
Sinopec Shanghai Petrochemical Company, Ltd., H Shares (A)	300,000	47,166
Sinopharm Group Company, Ltd., H Shares	138,800	434,513
Sinotrans, Ltd., H Shares	242,000	86,320
Sinotruk Hong Kong, Ltd.	72,500	141,162

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Sinotruk Jinan Truck Company, Ltd., Class A	6,000	\$ 13,935
SOHO China, Ltd. (A)	247,000	36,932
SooChow Securities Company, Ltd., Class A	19,110	18,294
Southwest Securities Company, Ltd., Class A	28,700	14,445
Suning Universal Company, Ltd., Class A	15,000	5,645
Suning.com Company, Ltd., Class A (A)	26,300	7,028
Sunshine 100 China Holdings, Ltd. (A)(B)(C)	77,000	3,272
Suzhou Anjie Technology Company, Ltd., Class A	7,300	13,893
Suzhou Dongshan Precision Manufacturing Company, Ltd., Class A	11,700	41,824
Suzhou Gold Mantis Construction Decoration Company, Ltd., Class A	21,200	13,180
Tangshan Jidong Cement Company, Ltd., Class A	11,000	11,175
TangShan Port Group Company, Ltd., Class A	52,100	25,335
Tangshan Sanyou Chemical Industries Company, Ltd., Class A	14,700	11,044
TBEA Company, Ltd., Class A (A)	22,600	69,493
TCL Technology Group Corp., Class A (A)	108,790	59,106
Ten Pao Group Holdings, Ltd.	80,000	10,844
Tencent Music Entertainment Group, ADR (A)	44,713	329,982
Tenwow International Holdings, Ltd. (A)(C)	121,000	4,401
The People's Insurance Company Group of China, Ltd., H Shares	463,000	168,172
Tian Di Science & Technology Company, Ltd., Class A	33,600	26,992
Tiande Chemical Holdings, Ltd.	24,000	5,256
Tiangong International Company, Ltd.	108,000	26,260
Tianjin Capital Environmental Protection Group Company, Ltd., H Shares	24,000	8,500
Tianjin Chase Sun Pharmaceutical Company, Ltd., Class A	20,700	15,471
Tianma Microelectronics Company, Ltd., Class A (A)	28,385	35,911
Tianneng Power International, Ltd.	78,000	80,796
Tianshan Aluminum Group Company, Ltd., Class A	25,100	20,743
Tianshui Huatian Technology Company, Ltd., Class A	26,300	33,400
Titan Wind Energy Suzhou Company, Ltd., Class A	12,700	26,669
Tong Ren Tang Technologies Company, Ltd., H Shares	42,000	41,878
TongFu Microelectronics Company, Ltd., Class A	6,800	21,233
Tongkun Group Company, Ltd., Class A	12,900	23,547
Tongling Nonferrous Metals Group Company, Ltd., Class A	72,500	28,953
Tongwei Company, Ltd., Class A	18,600	88,045
Topsec Technologies Group, Inc., Class A (A)	7,000	9,362
Transfar Zhilian Company, Ltd., Class A	16,500	12,103
Trigiant Group, Ltd. (A)	158,000	9,296
Trip.com Group, Ltd. (A)	750	26,182
Trip.com Group, Ltd., ADR (A)	27,752	971,320
Uni-President China Holdings, Ltd.	120,000	101,197
Unisplendour Corp., Ltd., Class A	11,600	50,992

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Universal Scientific Industrial Shanghai Company, Ltd., Class A	10,400	\$ 21,472
Valiant Company, Ltd., Class A	3,500	8,403
Victory Giant Technology Huizhou Company, Ltd., Class A	9,400	31,280
Vipshop Holdings, Ltd., ADR (A)	36,665	604,973
Viva Biotech Holdings (A)(B)	74,000	14,251
VNET Group, Inc., ADR (A)	7,345	21,301
Wangsu Science & Technology Company, Ltd., Class A	23,700	23,229
Wanxiang Qianchao Company, Ltd., Class A	23,700	17,804
Wasu Media Holding Company, Ltd., Class A	8,900	10,669
Weibo Corp., ADR	2,144	28,108
Weichai Power Company, Ltd., H Shares	143,000	210,392
Weifu High-Technology Group Company, Ltd., Class A	4,400	9,550
Weiqiao Textile Company, H Shares (A)	73,500	15,151
West China Cement, Ltd.	298,000	30,128
Western Securities Company, Ltd., Class A	28,800	25,222
Wingtech Technology Company, Ltd., Class A	6,200	41,884
Wolong Electric Group Company, Ltd., Class A	10,400	20,960
Wuchan Zhongda Group Company, Ltd., Class A	41,000	27,923
Wuhu Token Science Company, Ltd., Class A	20,000	16,645
Wuxi Taiji Industry Company, Ltd., Class A (A)	16,400	16,424
XCMG Construction Machinery Company, Ltd., Class A	52,700	49,184
Xiamen C & D, Inc., Class A	9,700	14,586
Xiamen ITG Group Corp., Ltd., Class A	18,100	19,321
Xiamen Tungsten Company, Ltd., Class A	6,100	16,012
Xiamen Xiangyu Company, Ltd., Class A	17,400	20,865
Xianhe Company, Ltd., Class A	3,700	10,639
Xiaomi Corp., Class B (A)(B)	510,400	701,766
Xinfengming Group Company, Ltd., Class A (A)	8,700	13,257
Xingda International Holdings, Ltd.	126,473	22,782
Xingfa Aluminium Holdings, Ltd.	29,000	23,540
Xinhua Winshare Publishing and Media Company, Ltd., H Shares	51,000	37,352
Xinjiang Goldwind Science & Technology Company, Ltd., H Shares	47,000	32,304
Xinjiang Tianshan Cement Company, Ltd., Class A	15,900	17,840
Xinjiang Zhongtai Chemical Company, Ltd., Class A	8,100	7,203
Xinte Energy Company, Ltd., H Shares (A)	28,400	60,472
Xinxing Ductile Iron Pipes Company, Ltd., Class A	33,500	18,839
Xinyi Energy Holdings, Ltd.	118,800	38,916
Xinyu Iron & Steel Company, Ltd., Class A	24,700	12,631
XPeng, Inc., A Shares (A)	15,900	105,622
Xuji Electric Company, Ltd., Class A	5,200	16,542
Yankuang Energy Group Company, Ltd., H Shares	92,000	264,143
Yantai Jereh Oilfield Services Group Company, Ltd., Class A	6,300	21,830
YiChang HEC ChangJiang Pharmaceutical Company, Ltd., H Shares (A)(B)	33,400	28,900

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Yifan Pharmaceutical Company, Ltd., Class A (A)	5,200	\$ 10,465
Yiren Digital, Ltd., ADR (A)	5,014	11,407
Yixintang Pharmaceutical Group Company, Ltd., Class A	2,200	8,003
Yonfer Agricultural Technology Company, Ltd., Class A	5,900	8,366
Youngor Group Company, Ltd., Class A	10,400	9,040
YTO Express Group Company, Ltd., Class A	14,800	29,699
Yunda Holding Company, Ltd., Class A	22,200	29,270
Yunnan Aluminium Company, Ltd., Class A	30,700	54,052
Yunnan Baiyao Group Company, Ltd., Class A	6,160	44,552
Yunnan Copper Company, Ltd., Class A	10,000	15,282
Yunnan Tin Company, Ltd., Class A	5,500	11,814
Zhefu Holding Group Company, Ltd., Class A	14,800	8,427
Zhejiang Century Huatong Group Company, Ltd., Class A (A)	30,600	32,018
Zhejiang China Commodities City Group Company, Ltd., Class A	28,122	33,068
Zhejiang Chint Electrics Company, Ltd., Class A	15,300	58,342
Zhejiang Crystal-Optech Company, Ltd., Class A	20,200	33,285
Zhejiang Dahua Technology Company, Ltd., Class A	13,200	35,985
Zhejiang Glass Company, Ltd., H Shares (A)(C)	162,000	0
Zhejiang Hailiang Company, Ltd., Class A	6,500	10,760
Zhejiang Hisoar Pharmaceutical Company, Ltd., Class A	12,100	14,323
Zhejiang Huace Film & Television Company, Ltd., Class A	11,400	11,140
Zhejiang Jiahua Energy Chemical Industry Company, Ltd., Class A	8,500	11,034
Zhejiang JIULI Hi-tech Metals Company, Ltd., Class A	6,300	14,793
Zhejiang Juhua Company, Ltd., Class A (A)	8,900	16,904
Zhejiang Longsheng Group Company, Ltd., Class A	17,400	22,427
Zhejiang NHU Company, Ltd., Class A	21,800	46,269
Zhejiang Orient Gene Biotech Company, Ltd., Class A	2,685	13,969
Zhejiang Semir Garment Company, Ltd., Class A	15,300	13,113
Zhejiang Wanfeng Auto Wheel Company, Ltd., Class A	22,500	21,497
Zhejiang Wanliyang Company, Ltd., Class A (A)	6,300	7,777
Zhejiang Xianju Pharmaceutical Company, Ltd., Class A	10,900	19,916
Zhejiang Xinan Chemical Industrial Group Company, Ltd., Class A	6,860	10,341
Zhengzhou Coal Mining Machinery Group Company, Ltd., H Shares	25,400	22,234
Zheshang Securities Company, Ltd., Class A	10,800	14,714
Zhong An Group, Ltd. (A)	409,000	8,790
Zhongjin Gold Corp., Ltd., Class A	31,200	44,548
Zhongshan Broad Ocean Motor Company, Ltd., Class A	20,000	15,724

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Zhuhai Huafa Properties Company, Ltd., Class A	26,900	\$ 36,487
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	15,000	56,030
Zhuzhou Kibing Group Company, Ltd., Class A (A)	18,700	22,242
Zoomlion Heavy Industry Science and Technology Company, Ltd., H Shares	90,800	47,102
		47,148,516
Colombia - 0.1%		
Bancolombia SA	4,172	31,002
Bancolombia SA, ADR	1,955	52,159
Cementos Argos SA	24,726	20,152
Grupo Argos SA	23,761	54,963
		158,276
Czech Republic - 0.1%		
CEZ AS	580	23,974
Komerční banka AS	5,968	181,962
Moneta Money Bank AS (B)	22,384	81,960
		287,896
Greece - 0.5%		
Alpha Services and Holdings SA (A)	115,077	188,492
Bank of Greece	667	12,231
Eurobank Ergasias Services and Holdings SA (A)	180,066	296,675
Fourlis Holdings SA	3,756	19,101
HELLENiQ ENERGY Holdings SA	4,654	39,773
Intracom Holdings SA (A)	7,112	16,235
Motor Oil Hellas Corinth Refineries SA	4,652	117,769
Mytilineos SA	1,367	48,263
National Bank of Greece SA (A)	26,494	172,222
Piraeus Financial Holdings SA (A)	27,498	90,273
		1,001,034
Hong Kong - 3.7%		
AAG Energy Holdings, Ltd. (A)(B)(C)	68,000	15,881
Ajisen China Holdings, Ltd.	147,000	16,874
Alibaba Pictures Group, Ltd. (A)	700,000	36,714
Anxin-China Holdings, Ltd. (A)(C)	1,648,000	0
APT Satellite Holdings, Ltd.	28,000	7,981
Beijing Energy International Holding Company, Ltd.	814,000	20,487
Beijing Enterprises Holdings, Ltd.	54,000	195,916
Beijing Enterprises Water Group, Ltd.	438,000	104,193
Brilliance China Automotive Holdings, Ltd.	216,000	88,239
C C Land Holdings, Ltd.	125,126	25,579
C&D International Investment Group, Ltd.	16,479	37,580
CECEP COSTIN New Materials Group, Ltd. (A)(C)	348,000	0
CGN New Energy Holdings Company, Ltd.	150,000	41,856
China Aerospace International Holdings, Ltd.	190,000	8,989
China Aircraft Leasing Group Holdings, Ltd.	23,000	11,926
China Boton Group Company, Ltd. (A)	20,000	5,032
China Education Group Holdings, Ltd.	36,000	28,142
China Everbright Greentech, Ltd. (B)	114,000	19,267
China Everbright, Ltd.	76,000	45,670
China Fiber Optic Network System Group, Ltd. (A)(C)	150,800	5,388
China Foods, Ltd.	74,000	26,216
China Gas Holdings, Ltd.	254,000	291,308

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
China High Speed Transmission Equipment Group Company, Ltd. (A)	45,000	\$ 14,054
China Jinmao Holdings Group, Ltd.	541,436	79,823
China Longevity Group Company, Ltd. (A)(C)	93,000	4,878
China Lumena New Materials Corp. (A)(C)	50,900	0
China Medical System Holdings, Ltd.	135,000	220,274
China Merchants Land, Ltd.	260,000	13,293
China Merchants Port Holdings Company, Ltd.	88,558	125,281
China Oil & Gas Group, Ltd. (A)	600,000	18,406
China Overseas Grand Oceans Group, Ltd.	205,920	97,013
China Overseas Land & Investment, Ltd.	282,500	618,010
China Resources Cement Holdings, Ltd.	282,000	116,647
China Resources Gas Group, Ltd.	79,200	271,608
China Resources Land, Ltd.	304,000	1,293,722
China South City Holdings, Ltd. (A)	498,000	31,205
China Taiping Insurance Holdings Company, Ltd.	146,800	152,932
China Traditional Chinese Medicine Holdings Company, Ltd.	286,000	133,555
China Travel International Investment Hong Kong, Ltd. (A)	260,000	50,897
Chu Kong Shipping Enterprises Group Company, Ltd.	26,000	3,222
CIMC Enric Holdings, Ltd.	70,000	62,680
CITIC Resources Holdings, Ltd.	488,000	24,636
Concord New Energy Group, Ltd.	690,000	57,371
COSCO SHIPPING International Hong Kong Company, Ltd.	59,625	19,407
COSCO SHIPPING Ports, Ltd.	167,235	99,838
CSSC Hong Kong Shipping Company, Ltd.	116,000	19,279
Dawnrays Pharmaceutical Holdings, Ltd.	117,000	17,930
Digital China Holdings, Ltd.	73,000	29,170
EVA Precision Industrial Holdings, Ltd.	96,000	9,490
Far East Horizon, Ltd.	183,000	145,165
GCL Technology Holdings, Ltd.	523,000	121,417
Geely Automobile Holdings, Ltd.	371,000	455,531
Gemdale Properties & Investment Corp., Ltd.	778,000	45,287
Glorious Property Holdings, Ltd. (A)	88,000	613
Glory Sun Financial Group, Ltd. (A)	30,600	1,121
Goldlion Holdings, Ltd.	36,000	5,495
Goldpac Group, Ltd.	46,000	8,664
Grand Pharmaceutical Group, Ltd.	86,000	48,670
Health & Happiness H&H International Holdings, Ltd.	24,500	31,566
Hi Sun Technology China, Ltd. (A)	240,000	21,762
Hopson Development Holdings, Ltd. (A)	120,457	85,884
Hua Han Health Industry Holdings, Ltd. (A)(C)	880,000	23,808
IMAX China Holding, Inc. (B)	7,000	6,242
Jinchuan Group International Resources Company, Ltd.	127,000	6,510
Joy City Property, Ltd.	328,000	11,123
Ju Teng International Holdings, Ltd.	130,000	21,119
Kingboard Holdings, Ltd.	73,630	201,390
Kingboard Laminates Holdings, Ltd.	96,500	90,978
Kunlun Energy Company, Ltd.	380,000	299,348
Lee & Man Chemical Company, Ltd.	12,000	7,262
Lee & Man Paper Manufacturing, Ltd.	129,000	42,945
Lee's Pharmaceutical Holdings, Ltd.	54,000	9,576
Lifestyle China Group, Ltd. (A)	42,000	5,772

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
LVGEM China Real Estate Investment Company, Ltd. (A)	60,000	\$ 11,519
Min Xin Holdings, Ltd.	24,000	10,345
Mingyuan Medicare Development Company, Ltd. (A)(C)	1,300,000	0
Minmetals Land, Ltd. (A)	118,000	5,768
New World Department Store China, Ltd. (A)	34,000	3,576
Nine Dragons Paper Holdings, Ltd. (A)	185,000	114,222
Orient Overseas International, Ltd.	7,500	100,745
Overseas Chinese Town Asia Holdings, Ltd. (A)	52,000	4,109
PAX Global Technology, Ltd.	84,000	63,917
Poly Property Group Company, Ltd.	162,126	36,290
Pou Sheng International Holdings, Ltd. (A)	223,000	16,780
Prinx Chengshan Holdings, Ltd.	18,000	13,891
Shandong Hi-Speed New Energy Group, Ltd. (A)	12,000	5,345
Shanghai Industrial Holdings, Ltd.	37,000	53,767
Shanghai Industrial Urban Development Group, Ltd. (A)	359,400	20,461
Shenzhen International Holdings, Ltd.	135,199	119,273
Shenzhen Investment, Ltd.	307,271	55,092
Shimao Group Holdings, Ltd. (A)(C)	150,000	76,149
Shoucheng Holdings, Ltd.	64,000	14,900
Shougang Fushan Resources Group, Ltd.	164,565	41,461
Silver Grant International Holdings Group, Ltd. (A)	160,000	5,981
Sinofert Holdings, Ltd. (A)	300,000	36,453
Sinopec Kantons Holdings, Ltd.	124,000	46,607
Skyworth Group, Ltd.	149,794	66,352
Sun Art Retail Group, Ltd.	171,500	44,380
Symphony Holdings, Ltd.	20,000	2,349
TCL Electronics Holdings, Ltd. (A)	114,600	59,806
The Wharf Holdings, Ltd.	59,000	140,195
Tian An China Investment Company, Ltd.	54,000	29,052
Tianjin Port Development Holdings, Ltd.	478,000	33,019
Tomson Group, Ltd.	48,142	10,814
Truly International Holdings, Ltd.	136,000	16,057
United Energy Group, Ltd. (A)	464,000	45,080
Vinda International Holdings, Ltd.	39,000	97,221
Wasion Holdings, Ltd.	90,000	36,746
Yuexiu Property Company, Ltd.	165,908	193,311
Yuexiu Real Estate Investment Trust	10,286	2,196
		7,948,336
Hungary - 0.2%		
MOL Hungarian Oil & Gas PLC	43,193	378,172
India - 16.5%		
ACC, Ltd.	5,847	129,652
Adani Transmission, Ltd. (A)	5,847	54,884
Aditya Birla Capital, Ltd. (A)	55,560	133,010
Alembic Pharmaceuticals, Ltd.	4,559	35,384
Allcargo Logistics, Ltd.	8,212	28,581
Allcargo Terminals, Ltd. (A)(C)	8,212	6,145
Amara Raja Batteries, Ltd.	4,664	38,683
Ambuja Cements, Ltd. (A)	38,172	199,061
Andhra Sugars, Ltd.	6,880	9,421
Apar Industries, Ltd.	1,121	47,691
Apollo Tyres, Ltd.	28,578	141,687
Arvind, Ltd. (A)	12,009	19,516
Ashoka Buildcon, Ltd. (A)	22,051	21,516
Aster DM Healthcare, Ltd. (A)(B)	8,448	28,933
Aurobindo Pharma, Ltd.	32,368	287,322
Avanti Feeds, Ltd.	1,998	9,546
Axis Bank, Ltd.	188,618	2,272,820

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Axis Bank, Ltd., GDR	310	\$ 18,507
Bajaj Consumer Care, Ltd.	6,744	15,890
Bajaj Holdings & Investment, Ltd.	2,095	178,994
Balmer Lawrie & Company, Ltd.	11,041	18,351
Balrampur Chini Mills, Ltd.	17,968	84,474
Bandhan Bank, Ltd. (A)(B)	32,073	94,998
Bank of Baroda	78,610	182,824
Bank of India	19,819	17,852
Bharat Electronics, Ltd.	179,424	274,452
Bharat Heavy Electricals, Ltd.	72,839	77,995
Birla Corp., Ltd.	2,709	41,028
Birlasoft, Ltd.	4,416	19,381
Bombay Burmah Trading Company	1,557	19,246
BSE, Ltd.	2,172	16,162
Can Fin Homes, Ltd.	2,623	24,969
Canara Bank	30,693	113,374
Ceat, Ltd.	2,623	66,512
Century Enka, Ltd.	1,383	7,332
Century Textiles & Industries, Ltd.	2,062	21,687
Chambal Fertilizers & Chemicals, Ltd.	19,376	64,594
Chennai Super Kings Cricket, Ltd. (A)(C)	207,315	5,686
Cholamandalam Financial Holdings, Ltd.	7,288	80,076
CIE Automotive India, Ltd.	17,673	111,073
Cipla, Ltd.	35,701	441,279
City Union Bank, Ltd.	27,005	41,902
Cochin Shipyard, Ltd. (B)	2,163	14,925
Container Corp. of India, Ltd.	14,589	117,764
Cosmo First, Ltd. (A)	1,525	13,136
CSB Bank, Ltd. (A)	2,395	8,283
Cyient, Ltd.	5,147	94,472
Dalmia Bharat, Ltd.	4,987	131,846
DB Corp., Ltd.	6,129	10,573
DCB Bank, Ltd.	23,624	35,523
DCM Shriram, Ltd.	3,740	40,837
Deepak Fertilisers & Petrochemicals Corp., Ltd.	3,614	24,893
Delta Corp., Ltd.	4,521	14,030
Dhampur Sugar Mills, Ltd.	2,503	8,252
Dilip Buildcon, Ltd. (B)	1,316	3,831
Dish TV India, Ltd. (A)	48,852	8,719
Dishman Carbogen Amcis, Ltd. (A)	5,361	9,169
DLF, Ltd.	40,228	241,061
Edelweiss Financial Services, Ltd.	46,814	28,330
EID Parry India, Ltd.	9,392	53,062
Electrosteel Castings, Ltd.	35,427	25,866
Engineers India, Ltd.	11,471	16,118
EPL, Ltd.	5,477	14,333
Equitas Small Finance Bank, Ltd. (A)(B)	13,945	15,344
Exide Industries, Ltd. (A)	26,285	75,940
FDC, Ltd. (A)	2,601	9,873
Federal Bank, Ltd.	191,615	295,793
Filatex India, Ltd.	25,766	12,457
Finolex Cables, Ltd.	3,327	35,023
Finolex Industries, Ltd.	25,360	54,196
Firstsource Solutions, Ltd.	16,189	25,436
Fortis Healthcare, Ltd. (A)	10,064	38,771
Gabriel India, Ltd.	6,164	14,730
GAIL India, Ltd.	268,159	343,955
General Insurance Corp. of India (A)(B)	8,025	17,903
GHCL Textiles, Ltd. (A)	6,390	5,760
GHCL, Ltd.	6,390	40,237
Glenmark Pharmaceuticals, Ltd.	13,855	114,547
Godawari Power & Ispat, Ltd.	4,744	30,635
Godfrey Phillips India, Ltd.	2,008	41,491
Godrej Industries, Ltd. (A)	2,755	17,318

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Granules India, Ltd.	18,305	\$ 66,415
Graphite India, Ltd.	3,611	17,660
Grasim Industries, Ltd.	20,596	436,095
Gujarat Alkalies & Chemicals, Ltd.	3,130	25,898
Gujarat Ambuja Exports, Ltd.	10,728	31,207
Gujarat Fluorochemicals, Ltd.	1,519	54,335
Gujarat Narmada Valley Fertilizers & Chemicals, Ltd.	10,255	75,012
Gujarat Pipavav Port, Ltd.	15,449	23,213
Gujarat State Fertilizers & Chemicals, Ltd.	6,962	13,943
Gujarat State Petronet, Ltd.	26,721	93,003
Hathway Cable & Datacom, Ltd. (A)	35,580	6,392
HDFC Bank, Ltd.	13,988	290,180
HEG, Ltd.	765	15,235
Heritage Foods, Ltd.	5,330	13,696
Hero MotoCorp, Ltd.	6,888	244,419
HFCL, Ltd.	15,595	12,375
HIL, Ltd.	308	11,687
Himadri Speciality Chemical, Ltd.	24,869	40,349
Hindalco Industries, Ltd.	148,861	767,554
Hinduja Global Solutions, Ltd.	372	4,914
Hindustan Aeronautics, Ltd.	1,878	86,739
Housing Development Finance Corp., Ltd.	53,578	1,847,474
ICICI Bank, Ltd.	196,478	2,248,030
ICICI Bank, Ltd., ADR	3,737	86,250
IDFC First Bank, Ltd. (A)	171,714	167,261
IDFC, Ltd.	92,305	115,672
IIFL Finance, Ltd.	6,254	38,436
IIFL Securities, Ltd.	28,932	21,599
Indiabulls Housing Finance, Ltd. (A)	33,338	50,284
Indiabulls Real Estate, Ltd. (A)	28,092	20,555
Indian Bank	13,953	49,942
Indian Overseas Bank (A)	71,034	21,218
Indian Railway Finance Corp., Ltd. (B)	56,808	22,659
Indo Count Industries, Ltd.	3,259	8,244
Indus Towers, Ltd. (A)	55,200	110,528
IndusInd Bank, Ltd.	26,682	449,409
Infibeam Avenues, Ltd. (A)	35,348	6,791
Info Edge India, Ltd.	2,402	131,611
IOL Chemicals and Pharmaceuticals, Ltd.	1,292	6,594
IRCON International, Ltd. (B)	17,211	17,542
Jagran Prakashan, Ltd.	12,700	12,096
Jindal Poly Films, Ltd.	1,066	8,564
Jindal Saw, Ltd.	29,627	92,461
Jindal Stainless, Ltd.	20,479	82,999
Jindal Steel & Power, Ltd.	52,794	375,173
JK Lakshmi Cement, Ltd.	2,089	18,320
JK Paper, Ltd.	7,330	28,710
JK Tyre & Industries, Ltd.	8,887	25,703
JM Financial, Ltd.	33,116	29,647
JSW Energy, Ltd.	35,712	118,983
JSW Steel, Ltd.	79,922	765,311
Jubilant Pharmova, Ltd.	9,201	44,703
Kalpataru Projects International, Ltd.	9,196	60,035
Kalyani Steels, Ltd.	2,643	11,524
Kaveri Seed Company, Ltd.	1,661	10,338
KEC International, Ltd. (A)	5,964	40,057
Kirloskar Ferrous Industries, Ltd.	4,164	23,988
Kirloskar Oil Engines, Ltd.	3,612	17,285
KNR Constructions, Ltd.	5,559	16,420
Kolte-Patil Developers, Ltd.	3,028	12,523
KPIT Technologies, Ltd.	3,011	40,234
KRBL, Ltd.	4,679	19,475
L&T Finance Holdings, Ltd. (A)	74,021	115,658
Larsen & Toubro, Ltd.	47,252	1,428,465

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
LG Balakrishnan & Bros, Ltd.	1,757	\$ 24,642
LIC Housing Finance, Ltd.	39,247	188,135
LT Foods, Ltd.	11,217	18,021
Lupin, Ltd.	14,231	156,151
Maharashtra Seamless, Ltd.	8,424	48,649
Mahindra & Mahindra Financial Services, Ltd.	48,327	198,439
Mahindra & Mahindra, Ltd.	70,868	1,261,218
Maithan Alloys, Ltd.	902	10,776
Manappuram Finance, Ltd.	43,917	70,987
Marksans Pharma, Ltd.	15,357	17,010
MAS Financial Services, Ltd. (B)	1,978	18,816
Mazagon Dock Shipbuilders, Ltd.	1,867	28,443
Meghmani Organics, Ltd.	9,521	10,414
Mishra Dhatu Nigam, Ltd. (B)	4,126	14,702
MOIL, Ltd.	12,580	24,909
Motilal Oswal Financial Services, Ltd.	2,458	21,850
MRF, Ltd.	130	160,260
Muthoot Finance, Ltd.	6,723	101,877
Natco Pharma, Ltd.	1,385	11,659
National Aluminium Company, Ltd.	84,797	85,319
Nava, Ltd.	8,719	32,733
Navneet Education, Ltd.	6,921	10,323
NCC, Ltd.	25,675	38,211
NESCO, Ltd.	1,859	14,275
Neuland Laboratories, Ltd.	358	12,407
NIIT Learning Systems, Ltd. (A)(C)	6,437	24,579
NIIT, Ltd. (A)	6,437	6,704
Nilkamal, Ltd.	695	20,750
NMDC Steel, Ltd. (A)	47,542	25,308
NMDC, Ltd.	47,542	60,889
NOCIL, Ltd.	7,663	20,756
Nuvama Wealth Management, Ltd. (A)(C)	520	17,975
Oberoi Realty, Ltd.	9,314	112,063
Orient Cement, Ltd.	11,282	18,329
Paisalo Digital, Ltd.	15,039	9,304
PC Jeweller, Ltd. (A)	10,118	3,260
PCBL, Ltd.	15,470	30,705
Petronet LNG, Ltd.	68,687	187,029
Piramal Enterprises, Ltd.	7,847	90,360
Piramal Pharma, Ltd. (A)	31,388	35,395
PNB Housing Finance, Ltd. (A)(B)	5,239	36,178
PNC Infratech, Ltd.	5,394	21,550
Polyplex Corp., Ltd.	2,563	41,123
Power Finance Corp., Ltd.	90,707	238,944
Prestige Estates Projects, Ltd.	16,061	112,479
Pricol, Ltd. (A)	6,161	17,325
PTC India, Ltd.	31,315	44,125
Punjab National Bank	97,317	61,444
Qess Corp., Ltd. (B)	1,882	10,319
Rain Industries, Ltd.	22,684	45,225
Rajesh Exports, Ltd.	6,037	40,320
Rallis India, Ltd.	6,940	16,711
Ramco Industries, Ltd.	4,270	8,546
Ramkrishna Forgings, Ltd.	5,365	29,202
Rashtriya Chemicals & Fertilizers, Ltd.	10,276	13,704
Raymond, Ltd.	2,380	49,216
RBL Bank, Ltd. (A)(B)	21,550	47,800
REC, Ltd.	118,880	239,403
Redington, Ltd.	76,545	174,093
Reliance Industries, Ltd.	21,228	662,504
Reliance Industries, Ltd., GDR (B)	87,194	5,429,994
Reliance Power, Ltd. (A)	176,129	30,451
Repeco Home Finance, Ltd.	7,034	26,738
RITES, Ltd.	3,302	15,059

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Sagar Cements, Ltd.	2,218	\$ 5,804
Samvardhana Motherson International, Ltd.	123,172	128,784
Sangam India, Ltd.	1,995	7,359
Sarda Energy & Minerals, Ltd. (A)	297	5,337
Sharda Cropchem, Ltd.	2,311	15,648
Shilpa Medicare, Ltd.	3,711	12,920
Shipping Corp. of India Land & Assets, Ltd. (A)(C)	14,077	4,642
Shipping Corp. of India, Ltd.	14,077	17,317
Shriram Finance, Ltd.	19,342	410,672
Siyaram Silk Mills, Ltd.	1,656	11,095
Sobha, Ltd.	4,273	28,051
State Bank of India	114,368	800,324
State Bank of India, GDR	3,185	223,171
Steel Authority of India, Ltd.	106,244	111,118
Strides Pharma Science, Ltd. (A)	2,675	14,019
Sun Pharmaceutical Industries, Ltd.	21,745	278,829
Sun TV Network, Ltd.	7,964	42,535
Sundaram Finance, Ltd.	1,056	33,605
Sundaram-Clayton, Ltd.	444	25,375
Sunteck Realty, Ltd.	1,942	6,687
Surya Roshni, Ltd.	3,932	41,681
Tamil Nadu Newsprint & Papers, Ltd.	7,174	18,382
Tata Chemicals, Ltd.	12,388	151,515
Tata Coffee, Ltd.	3,872	11,696
Tata Consumer Products, Ltd.	7,562	79,444
Tata Steel, Ltd.	583,100	798,916
Techno Electric & Engineering Company, Ltd.	7,028	31,123
The Great Eastern Shipping Company, Ltd.	12,279	110,721
The India Cements, Ltd.	11,167	28,948
The Jammu & Kashmir Bank, Ltd. (A)	20,576	15,200
The Karnataka Bank, Ltd.	33,585	77,538
The Karur Vysya Bank, Ltd.	52,341	79,746
The Ramco Cements, Ltd.	6,862	77,488
The South Indian Bank, Ltd. (A)	134,442	31,736
Thirumalai Chemicals, Ltd.	3,185	7,748
Time Technoplast, Ltd.	13,461	19,615
TransIndia Realty & Logistics Parks, Ltd. (A)(C)	8,212	2,429
Transport Corp. of India, Ltd.	3,182	27,854
Triveni Engineering & Industries, Ltd.	5,107	17,631
TV Today Network, Ltd.	1,470	3,495
TV18 Broadcast, Ltd. (A)	57,635	26,269
Uflex, Ltd.	5,261	26,602
Unichem Laboratories, Ltd.	4,453	20,390
Union Bank of India, Ltd.	37,368	33,063
UPL, Ltd.	42,377	355,756
Usha Martin, Ltd.	9,317	30,688
UTI Asset Management Company, Ltd.	1,155	11,071
VA Tech Wabag, Ltd. (A)	3,621	21,623
Vardhman Textiles, Ltd. (A)	16,115	72,036
Varroc Engineering, Ltd. (A)(B)	2,965	12,174
Vedanta, Ltd.	43,705	148,860
Venky's India, Ltd.	433	8,943
Vodafone Idea, Ltd. (A)	275,824	25,106
Voltamp Transformers, Ltd.	332	16,460
Welspun Corp., Ltd.	14,025	44,734
Welspun Enterprises, Ltd.	8,780	21,556
Welspun India, Ltd.	26,791	30,179
West Coast Paper Mills, Ltd.	3,023	18,503
Wipro, Ltd.	91,275	434,399
Wockhardt, Ltd. (A)	5,480	15,706
Yes Bank, Ltd. (A)	196,614	39,135
Zee Entertainment Enterprises, Ltd.	63,894	138,468

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Zee Media Corp., Ltd. (A)	54,429	\$ 5,293
Zensar Technologies, Ltd.	8,726	41,226
Zomato, Ltd. (A)	87,379	80,012
ZyduS Lifesciences, Ltd.	16,113	114,546
ZyduS Wellnes, Ltd.	386	6,976
		35,028,071
Indonesia - 1.8%		
Ace Hardware Indonesia Tbk PT	539,700	24,325
Adaro Energy Indonesia Tbk PT	1,626,200	242,023
Adhi Karya Persero Tbk PT (A)	235,600	7,086
Alam Sutera Realty Tbk PT (A)	1,741,800	20,947
Aneka Tambang Tbk	468,100	61,075
Astra Agro Lestari Tbk PT	49,555	24,656
Astra International Tbk PT	1,321,300	599,313
Bakrie Telecom Tbk PT (A)(C)	17,557,300	29,277
Bank Capital Indonesia Tbk PT (A)	638,900	5,595
Bank Mandiri Persero Tbk PT	1,543,080	537,003
Bank Negara Indonesia Persero Tbk PT	400,881	245,961
Bank Pan Indonesia Tbk PT (A)	465,597	33,713
Bank Pembangunan Daerah Jawa Barat Dan Banten Tbk PT	303,812	23,936
Bank Pembangunan Daerah Jawa Timur Tbk PT	625,600	26,959
Bank Tabungan Negara Persero Tbk PT	498,774	44,045
Bekasi Fajar Industrial Estate Tbk PT (A)	817,800	9,125
BISI International Tbk PT	290,800	32,044
Blue Bird Tbk PT	5,500	790
Buana Lintas Lautan Tbk PT (A)	1,186,800	7,851
Bukit Asam Tbk PT	380,100	67,841
Bumi Resources Tbk PT (A)	1,369,700	10,530
Ciputra Development Tbk PT	1,127,244	79,499
Delta Dunia Makmur Tbk PT	610,700	14,842
Elang Mahkota Teknologi Tbk PT	974,900	46,470
Elnusa Tbk PT	742,600	16,665
Erajaya Swasembada Tbk PT	1,113,500	35,418
Gudang Garam Tbk PT	42,600	78,451
Indah Kiat Pulp & Paper Tbk PT	279,700	158,988
Indika Energy Tbk PT	225,300	28,762
Indo Tambangraya Megah Tbk PT	34,600	55,705
Indocement Tunggul Prakarsa Tbk PT	10,100	6,704
Indofood Sukses Makmur Tbk PT	445,800	218,597
Japfa Comfeed Indonesia Tbk PT	499,770	44,649
Jaya Real Property Tbk PT	215,500	7,620
Kawasan Industri Jababeka Tbk PT (A)	2,384,099	21,817
Krakatau Steel Persero Tbk PT (A)	733,900	9,888
Lippo Karawaci Tbk PT (A)	4,020,148	24,995
Malindo Feedmill Tbk PT (A)	128,500	3,677
Medco Energi Internasional Tbk PT	877,026	52,609
Media Nusantara Citra Tbk PT (A)	718,600	31,287
MNC Vision Networks Tbk PT (A)	614,600	2,056
Multipolar Tbk PT (A)	1,981,400	11,402
Pabrik Kertas Tjiwi Kimia Tbk PT	101,200	41,802
Pakuwon Jati Tbk PT	372,300	12,111
Panin Financial Tbk PT	949,400	18,014
Paninvest Tbk PT (A)	116,800	7,984
Perusahaan Perkebunan London Sumatra Indonesia Tbk PT	318,000	21,247
PP Persero Tbk PT (A)	292,600	11,854
Puradelta Lestari Tbk PT	1,584,700	18,127
Ramayana Lestari Sentosa Tbk PT	463,200	17,939
Salim Ivomas Pratama Tbk PT	670,100	18,129
Samudera Indonesia Tbk PT	784,800	19,998
Semen Indonesia Persero Tbk PT	296,292	120,664
Sri Rejeki Isman Tbk PT (A)(C)	1,260,900	12,279
Summarecon Agung Tbk PT	627,000	27,635

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Indonesia (continued)		
Surya Citra Media Tbk PT	1,429,000	\$ 15,452
Surya Esa Perkasa Tbk PT	400,900	15,498
Suryainti Permata Tbk PT (A)(C)	1,446,000	0
Timah Tbk PT	210,500	12,457
Truba Alam Manunggal Engineering PT (A)(C)	11,991,500	0
Tunas Baru Lampung Tbk PT	554,057	25,537
United Tractors Tbk PT	169,300	262,567
Vale Indonesia Tbk PT	188,500	79,553
Waskita Karya Persero Tbk PT (A)(C)	596,656	4,823
Wijaya Karya Persero Tbk PT (A)	349,400	11,828
XL Axiata Tbk PT	494,171	64,663
		3,844,357
Kuwait - 0.4%		
A'ayan Leasing & Investment Company KSCP	25,736	12,457
Agility Public Warehousing Company KSC (A)	108,006	220,660
Ahli United Bank KSCP	5,491	4,617
Al Ahli Bank of Kuwait KSCP	27,016	20,719
Alimtiq Investment Group KSC (A)	14,768	3,122
Arzan Financial Group for Financing & Investment KPSC	30,910	10,815
Boubyan Petrochemicals Company KSCP	28,516	69,178
Burgan Bank SAK	36,639	25,158
Commercial Facilities Company SAKP	19,089	10,597
Gulf Bank KSCP	93,330	80,763
Gulf Cables & Electrical Industries Group Company KSCP	9,328	34,741
Heavy Engineering & Ship Building Company KSCP	5,695	12,479
Integrated Holding Company KCSC	11,650	16,697
Kuwait Finance House KSCP	44,902	109,462
Kuwait Financial Centre SAK	34,781	11,160
Kuwait International Bank KSCP	29,549	16,404
Mobile Telecommunications Company KSCP	132,710	224,458
National Industries Group Holding SAK	21,154	14,040
National Investments Company KSCP	29,338	19,641
Warba Bank KSCP	51,014	35,552
		952,720
Malaysia - 1.6%		
Aeon Company M BHD	28,600	8,038
AFFIN Bank BHD	83,530	33,660
Alliance Bank Malaysia BHD	102,300	73,069
AMMB Holdings BHD	142,862	110,994
Bank Islam Malaysia BHD	52,500	21,956
Batu Kawan BHD	3,100	13,805
Berjaya Assets BHD (A)	77,400	4,978
Berjaya Corp. BHD (A)	439,496	28,287
Berjaya Land BHD (A)	244,400	14,143
Bumi Armada BHD (A)	163,800	16,547
Cahaya Mata Sarawak BHD	52,100	10,683
CIMB Group Holdings BHD	473,164	513,605
Dayang Enterprise Holdings BHD	83,900	23,082
DRB-Hicom BHD	93,400	26,880
Eco World Development Group BHD	84,300	14,669
Ekovest BHD (A)	146,600	11,319
FGV Holdings BHD	33,400	10,384
Gamuda BHD	119,187	112,482
Genting BHD	138,000	120,263
Genting Malaysia BHD	132,300	69,842
Genting Plantations BHD	22,400	28,325
Hengyuan Refining Company BHD	16,800	11,073
Hiap Teck Venture BHD	118,300	7,620

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Malaysia (continued)		
Hibiscus Petroleum BHD	171,900	\$ 31,969
Hong Leong Financial Group BHD	18,299	69,266
IJM Corp. BHD	211,160	67,525
IOI Properties Group BHD	72,700	16,682
JAKS Resources BHD (A)	177,060	6,840
Jaya Tiasa Holdings BHD	58,826	8,718
Keck Seng Malaysia BHD	11,300	8,573
KNM Group BHD (A)	571,500	10,414
Kossan Rubber Industries BHD	48,500	13,423
Land & General BHD	437,820	9,381
Lotte Chemical Titan Holding BHD (B)	30,231	7,585
Magnum BHD	110,314	23,528
Mah Sing Group BHD	192,300	25,353
Malayan Banking BHD	288,737	534,171
Malaysia Building Society BHD	190,704	26,597
Malaysian Resources Corp. BHD	207,000	13,564
Matrix Concepts Holdings BHD	26,100	7,888
MBM Resources BHD	11,400	8,625
Mega First Corp. BHD	12,600	8,295
MISC BHD	75,300	115,614
MKH BHD	49,230	13,002
MNRB Holdings BHD	36,891	7,633
Muhibbah Engineering M BHD (A)	103,950	13,166
Oriental Holdings BHD	35,720	48,782
OSK Holdings BHD	111,397	25,310
Pos Malaysia BHD (A)	30,900	3,346
PPB Group BHD	30,500	102,895
RHB Bank BHD	142,596	166,060
Sapura Energy BHD (A)	655,500	4,892
Sarawak Oil Palms BHD	11,700	6,152
Sime Darby BHD	255,000	112,088
Sime Darby Property BHD	271,300	27,093
SP Setia BHD Group	173,900	20,359
Sunway BHD	142,407	48,253
Supermax Corp. BHD	40,500	6,956
Tan Chong Motor Holdings BHD	6,300	1,431
Top Glove Corp. BHD (A)	277,600	48,292
Tropicana Corp. BHD (A)	161,380	46,407
TSH Resources BHD	114,900	22,671
UEM Edgenta BHD	32,900	7,018
UEM Sunrise BHD	372,300	21,575
UMW Holdings BHD	48,800	39,199
United Malacca BHD	11,900	12,955
UOA Development BHD	124,700	41,682
Velesto Energy BHD (A)	428,800	20,320
WCT Holdings BHD	194,483	17,109
Yinson Holdings BHD	74,200	40,723
YNH Property BHD (A)	6,819	7,309
YTL Corp. BHD	374,937	83,628
		3,316,021
Mexico - 2.7%		
Alfa SAB de CV, Class A	370,181	229,025
Alpek SAB de CV	31,500	31,303
Banco del Bajío SA (B)	32,880	100,444
Cemex SAB de CV, Series CPO (A)	730,985	516,733
Coca-Cola Femsa SAB de CV	19,316	161,303
Consortio ARA SAB de CV	25,993	5,968
Controladora AXTEL SAB DE CV (A)	370,181	4,758
Corp. Actinver SAB de CV	16,024	13,106
El Puerto de Liverpool SAB de CV, Series C1	11,379	69,423
Fomento Economico Mexicano SAB de CV	40,053	443,211
Genomma Lab Internacional SAB de CV, Class B	28,340	21,822

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mexico (continued)		
Genera SAB de CV	85,192	\$ 91,130
Grupo Carso SAB de CV, Series A1	25,878	187,013
Grupo Comercial Chedraui SA de CV	22,430	127,816
Grupo Financiero Banorte SAB de CV, Series O	129,243	1,063,270
Grupo Financiero Inbursa SAB de CV, Series O (A)	97,071	229,733
Grupo KUO SAB de CV, Series B	42,698	87,307
Grupo Mexico SAB de CV, Series B	188,407	905,877
Grupo Pochteca SAB de CV (A)	9,600	4,425
Grupo Televisa SAB, Series CPO	212,201	217,693
Industrias CH SAB de CV, Series B (A)	18,800	225,046
Industrias Penoles SAB de CV (A)	8,071	113,122
La Comer SAB de CV	16,584	35,945
Megacable Holdings SAB de CV, Series CPO	49,064	113,681
Minera Frisco SAB de CV, Series A1 (A)	168,003	27,482
Nemak SAB de CV (A)(B)	196,961	46,717
Orbia Advance Corp. SAB de CV	73,770	157,952
Organizacion Cultiva SAB de CV (A)	17,095	11,985
Organizacion Soriana SAB de CV, Series B (A)	190,849	317,654
Promotora y Operadora de Infraestructura SAB de CV	15,780	158,362
Promotora y Operadora de Infraestructura SAB de CV, L Shares	3,141	20,185
Vista Energy SAB de CV, ADR (A)	1,887	45,514
Vitro SAB de CV, Series A	6,357	6,611
		5,791,616
Panama - 0.0%		
BAC Holding International Corp. (A)	12,573	660
Philippines - 0.8%		
ACEN Corp. (A)	30,450	2,984
Alliance Global Group, Inc.	232,800	56,667
Ayala Corp.	10,150	115,432
Ayala Land, Inc.	44,200	19,553
Bank of the Philippine Islands	80,914	159,773
BDO Unibank, Inc.	132,752	332,422
China Banking Corp.	75,528	41,069
Cosco Capital, Inc.	388,900	34,520
DMCI Holdings, Inc.	207,300	34,091
East West Banking Corp.	74,300	9,179
Filinvest Development Corp.	119,475	11,235
Filinvest Land, Inc.	937,500	11,885
First Philippine Holdings Corp.	29,660	33,072
Global Ferronickel Holdings, Inc.	283,424	12,445
GT Capital Holdings, Inc.	3,489	32,606
JG Summit Holdings, Inc.	157,922	127,582
LT Group, Inc.	159,800	27,582
Megaworld Corp.	839,700	30,366
Metropolitan Bank & Trust Company	130,973	132,507
Petron Corp.	289,400	18,208
Philex Mining Corp.	161,300	7,974
Philippine National Bank (A)	65,310	22,143
Philtown Properties, Inc. (A)(C)	3,844	107
Phoenix Petroleum Philippines, Inc. (A)(C)	22,200	2,823
PNB Holdings Corp. (A)(C)	10,246	59
Premium Leisure Corp.	815,000	8,270
Puregold Price Club, Inc.	79,400	42,365
RFM Corp.	133,500	7,503
Rizal Commercial Banking Corp.	62,703	26,751
Robinsons Land Corp.	214,668	55,667
Robinsons Retail Holdings, Inc.	16,680	16,552
San Miguel Corp.	46,220	88,239
Security Bank Corp.	27,730	42,045

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Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Philippines (continued)		
Top Frontier Investment Holdings, Inc. (A)	18,024	\$ 35,984
Union Bank of the Philippines	69,628	94,595
Vista Land & Lifescapes, Inc.	569,000	17,510
		1,711,765
Poland - 0.9%		
Alior Bank SA (A)	7,988	95,090
Asseco Poland SA	3,955	78,099
Bank Polska Kasa Opieki SA	6,668	181,881
Cognor Holding SA	7,020	13,023
Cyfrowy Polsat SA	12,426	50,480
Develia SA	22,340	23,425
Enea SA (A)	19,073	30,013
Grupa Azoty SA (A)	4,728	30,505
Jastrzebska Spolka Weglowa SA (A)	3,425	33,770
KGHM Polska Miedz SA	8,799	243,637
Lubelski Wegiel Bogdanka SA	2,164	20,921
mBank SA (A)	310	30,989
PGE Polska Grupa Energetyczna SA (A)	66,331	118,438
PKP Cargo SA (A)	5,709	24,091
Polimex-Mostostal SA (A)	8,593	8,702
Polski Koncern Naftowy ORLEN SA	35,885	568,766
Powszechna Kasa Oszczednosci Bank Polski SA	14,234	126,684
Santander Bank Polska SA (A)	1,224	117,208
Stalexport Autostrady SA	15,820	10,514
Tauron Polska Energia SA (A)	90,488	61,243
		1,867,479
Qatar - 0.8%		
Aamal Company	210,501	48,910
Al Khaleej Takaful Group QSC	11,244	8,318
Alijarah Holding Company QPSC	77,548	16,941
Baladna (A)	72,138	28,372
Barwa Real Estate Company	145,868	104,865
Commercial Bank PSQC	174,283	279,764
Doha Bank QPSC	182,415	77,426
Doha Insurance Company QSC	25,407	15,797
Gulf International Services QSC	102,379	51,754
Gulf Warehousing Company	19,525	17,846
Lesha Bank LLC (A)	70,330	27,919
Masraf Al Rayan QSC	312,125	221,120
Mesaieed Petrochemical Holding Company	223,749	117,974
Ooredoo QPSC	80,019	240,567
Qatar Aluminum Manufacturing Company	84,909	29,963
Qatar Insurance Company SAQ (A)	125,447	76,105
Qatar National Cement Company QSC	23,781	25,342
Qatar Navigation QSC	41,293	119,224
Salam International Investment, Ltd., QSC (A)	94,802	17,687
United Development Company QSC	177,150	55,827
Vodafone Qatar QSC	145,471	74,646
		1,656,367
Russia - 0.0%		
Gazprom PJSC, ADR (London Stock Exchange) (A)(C)	196,506	26,135
LUKOIL PJSC, ADR (A)(C)	16,379	27,910
Rosneft Oil Company PJSC, GDR (London Stock Exchange) (A)(C)	1,686	1,686
RusHydro PJSC, ADR (A)(C)	52,278	1,673
VTB Bank PJSC, GDR (A)(C)	86,297	1,208
		58,612
Saudi Arabia - 3.8%		
Al Babbain Power & Telecommunication Company	2,665	20,876
Al Jouf Cement Company (A)	5,694	19,570

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Saudi Arabia (continued)		
Al Khaleej Training and Education Company (A)	6,369	\$ 40,361
AlAbdullatif Industrial Investment Company (A)	1,743	8,757
Al-Etiihad Cooperative Insurance Company (A)	3,674	17,279
AlJazira Takaful Ta'awuni Company (A)	2,192	11,026
Allianz Saudi Fransi Cooperative Insurance Company (A)	1,628	7,478
Arab National Bank	54,963	387,570
Arabian Cement Company	4,196	44,531
Arriyadh Development Company	5,359	28,919
Bank Al-Jazira	34,800	170,384
Banque Saudi Fransi	43,109	481,574
City Cement Company	6,807	46,509
Dar Al Arkan Real Estate Development Company (A)	49,101	202,810
Dur Hospitality Company (A)	5,874	43,622
Eastern Province Cement Company	3,671	46,062
Emaar Economic City (A)	21,759	54,518
Etihad Etisalat Company	42,915	550,527
Gulf Insurance Group	2,090	17,689
Hail Cement Company	4,570	15,313
Jazan Energy and Development Company (A)	2,068	8,235
L'Azurde Company for Jewelry	2,204	8,746
Methanol Chemicals Company (A)	2,886	19,628
Mobile Telecommunications Company Saudi Arabia (A)	47,765	181,515
Najran Cement Company	7,837	29,645
National Gypsum (A)	1,897	13,297
National Industrialization Company (A)	27,624	110,568
Nayifat Finance Company (A)	2,655	11,999
Northern Region Cement Company	10,351	33,125
Rabigh Refining & Petrochemical Company (A)	27,500	84,999
Riyadh Bank	19,428	175,427
Sahara International Petrochemical Company	31,147	311,060
Saudi Awwal Bank	58,796	598,648
Saudi Basic Industries Corp.	81,336	1,925,368
Saudi Ceramic Company	4,758	42,605
Saudi Chemical Company Holding	32,830	33,200
Saudi Industrial Investment Group	18,489	131,818
Saudi Industrial Services Company	2,229	17,311
Saudi Kayan Petrochemical Company (A)	74,626	276,110
Saudi Marketing Company	2,495	18,626
Saudi Reinsurance Company (A)	26	125
Seera Group Holding (A)	16,962	120,262
SHL Finance Company	4,742	24,684
Sinad Holding Company (A)	4,643	16,023
Tabuk Cement Company (A)	4,675	20,814
The National Company for Glass Industries	912	9,525
The Saudi Investment Bank	38,132	174,000
The Saudi National Bank	105,414	1,039,670
The Savola Group	7,399	82,296
Umm Al-Qura Cement Company (A)	2,316	11,925
Yamama Cement Company	11,422	114,940
Yanbu National Petrochemical Company	9,287	118,091
		7,979,660
Singapore - 0.0%		
BOC Aviation, Ltd. (B)	8,100	65,652
South Africa - 2.9%		
Absa Group, Ltd.	60,222	537,501

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Africa (continued)		
AECI, Ltd.	11,686	\$ 56,338
African Rainbow Minerals, Ltd.	10,677	112,645
Alexander Forbes Group Holdings, Ltd.	31,311	9,435
AngloGold Ashanti, Ltd.	3,511	74,319
AngloGold Ashanti, Ltd., ADR	18,402	388,098
Aspen Pharmacare Holdings, Ltd.	20,940	204,264
Astral Foods, Ltd.	4,628	37,663
Balwin Properties, Ltd.	6,271	866
Barloworld, Ltd.	21,853	99,065
Blue Label Telecoms, Ltd. (A)	44,582	8,279
Caxton & CTP Publishers & Printers, Ltd.	19,879	10,555
DataTec, Ltd.	20,519	42,454
Discovery, Ltd. (A)	5,880	45,571
Exxaro Resources, Ltd.	20,960	182,810
Gold Fields, Ltd., ADR	9,597	132,727
Grindrod, Ltd.	45,556	23,171
Harmony Gold Mining Company, Ltd.	13,919	58,628
Harmony Gold Mining Company, Ltd., ADR	27,692	116,306
Hudaco Industries, Ltd.	5,065	41,970
Impala Platinum Holdings, Ltd.	74,584	496,880
Investec, Ltd.	19,898	112,052
KAP, Ltd.	257,249	36,933
Lewis Group, Ltd.	14,408	30,445
Life Healthcare Group Holdings, Ltd.	87,146	95,046
Metair Investments, Ltd. (A)	23,633	23,019
Momentum Metropolitan Holdings	97,843	93,981
Motus Holdings, Ltd.	14,065	74,879
Mpact, Ltd.	23,460	31,737
MTN Group, Ltd.	10,156	74,620
Murray & Roberts Holdings, Ltd. (A)	48,310	2,471
Nedbank Group, Ltd.	30,206	366,927
Oceana Group, Ltd.	5,108	19,137
Old Mutual, Ltd.	351,536	226,392
Omnia Holdings, Ltd.	19,012	60,755
Pepkor Holdings, Ltd. (B)	118,240	103,633
PPC, Ltd. (A)	168,790	24,306
Raubex Group, Ltd.	20,799	28,741
RCL Foods, Ltd.	35,643	18,921
Reunert, Ltd.	19,682	61,421
Royal Bafokeng Platinum, Ltd.	13,281	88,027
Sappi, Ltd.	61,862	128,292
Sasol, Ltd.	42,649	528,389
Sibanye Stillwater, Ltd.	166,515	256,821
Sibanye Stillwater, Ltd., ADR	12,243	76,396
Standard Bank Group, Ltd.	61,423	579,927
Super Group, Ltd.	42,421	72,465
Telkom SA SOC, Ltd. (A)	37,622	63,280
The Foschini Group, Ltd.	9,764	48,845
Trencor, Ltd. (A)	40,666	14,513
Wilson Bayly Holmes-Ovcon, Ltd. (A)	5,366	29,839
Zeda, Ltd. (A)	21,853	12,382
		6,064,137
South Korea - 12.4%		
AJ Networks Company, Ltd.	2,832	9,570
Ajin Industrial Company, Ltd. (A)	8,098	40,708
AK Holdings, Inc.	743	10,869
Amorepacific Corp.	293	21,810
AMOREPACIFIC Group	1,900	38,080
Asia Cement Company, Ltd.	320	2,214
ASIA Holdings Company, Ltd.	241	25,135
Asia Paper Manufacturing Company, Ltd.	565	14,732
Binggrae Company, Ltd.	522	18,878
BNK Financial Group, Inc.	20,556	108,506
Bookook Securities Company, Ltd.	501	8,120

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Chongkundang Holdings Corp.	288	\$ 10,370
Chorokbaem Media Company, Ltd. (A)	1,145	4,719
Chosun Refractories Company, Ltd.	3,380	54,419
CJ CheilJedang Corp.	819	167,830
CJ Corp.	1,674	86,864
CJ ENM Company, Ltd. (A)	847	40,462
CJ Freshway Corp.	868	19,050
CJ Logistics Corp.	826	48,072
Com2uS Corp.	399	18,515
COWELL FASHION Company, Ltd.	5,483	18,981
Cuckoo Homesys Company, Ltd.	560	10,017
Dae Won Kang Up Company, Ltd.	4,385	14,642
Daedong Corp.	860	8,090
Daehan Flour Mills Company, Ltd.	232	23,700
Daesang Corp.	2,028	26,493
Daesang Holdings Company, Ltd.	2,310	14,192
Daewoo Engineering & Construction Company, Ltd. (A)	20,805	64,522
Daewoong Company, Ltd.	1,698	16,182
Dahaam E-Tec Company, Ltd. (A)	2,630	69,660
Daihan Pharmaceutical Company, Ltd.	563	11,864
Daishin Securities Company, Ltd.	3,901	40,029
Daol Investment & Securities Company, Ltd.	4,729	12,703
Daou Technology, Inc.	2,309	30,833
DB Financial Investment Company, Ltd.	3,849	11,837
DB Insurance Company, Ltd.	3,071	174,425
Deutsch Motors, Inc.	3,903	16,496
DGB Financial Group, Inc.	19,003	105,154
DI Dong Il Corp.	789	12,737
DL E&C Company, Ltd.	4,034	106,960
DL Holdings Company, Ltd.	1,609	50,627
DMS Company, Ltd.	3,275	15,543
Dong-A Socio Holdings Company, Ltd.	153	9,874
Dong-A ST Company, Ltd.	332	14,460
Dongkuk CM Company, Ltd. (A)	2,006	16,792
Dongkuk Holdings Company, Ltd.	1,068	14,185
Dongkuk Steel Mill Company, Ltd. (A)	3,328	27,328
Dongwha Pharm Company, Ltd.	1,912	15,113
Dongwon Development Company, Ltd.	5,212	13,919
Dongwon F&B Company, Ltd.	610	12,952
Dongwon Industries Company, Ltd.	880	25,964
Doosan Bobcat, Inc.	4,079	182,331
Doosan Company, Ltd.	554	38,292
DoubleUGames Company, Ltd.	512	16,429
Easy Holdings Company, Ltd.	3,872	9,395
EBEST Investment & Securities Company, Ltd.	2,321	7,850
E-MART, Inc.	1,480	86,659
Eugene Corp.	6,888	18,317
Eugene Investment & Securities Company, Ltd.	11,471	34,585
Eusu Holdings Company, Ltd.	1,407	6,570
Farmsco	2,687	8,645
Green Cross Corp.	133	11,633
Green Cross Holdings Corp.	1,608	17,454
GS Engineering & Construction Corp.	4,548	64,773
GS Global Corp. (A)	7,813	17,298
GS Holdings Corp.	5,061	141,063
GS Retail Company, Ltd.	3,309	57,652
Gwangju Shinsegae Company, Ltd.	760	19,338
Haesung Industrial Company, Ltd.	1,128	7,870
Hana Financial Group, Inc.	21,723	648,486
Handok, Inc.	729	7,917
Handsome Company, Ltd.	1,545	27,352

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Hanil Cement Company, Ltd.	1,450	\$ 13,651
Hanil Holdings Company, Ltd.	3,183	29,388
Hanjin Transportation Company, Ltd.	1,052	15,939
Hankook Tire & Technology Company, Ltd.	5,360	140,624
Hanshin Construction Company, Ltd.	1,844	11,883
Hansol Holdings Company, Ltd.	5,241	12,156
Hansol Paper Company, Ltd.	2,920	24,858
Hansol Technics Company, Ltd.	3,325	20,523
Hanwha Corp.	2,757	62,937
Hanwha Galleria Corp. (A)	5,420	6,240
Hanwha Investment & Securities Company, Ltd. (A)	15,071	30,599
Hanwha Life Insurance Company, Ltd. (A)	34,108	67,001
Hanwha Solutions Corp. (A)	4,806	154,983
Hanyang Eng Company, Ltd.	1,654	20,689
Harim Holdings Company, Ltd.	1,443	8,539
HD Hyundai Company, Ltd.	3,580	163,395
HD Hyundai Construction Equipment Company, Ltd.	1,613	105,379
HD Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	2,512	223,304
HDC Holdings Company, Ltd.	2,737	13,403
HDC Hyundai Development Co-Engineering & Construction, Series E	3,037	26,361
Hitejinro Holdings Company, Ltd.	995	7,051
HL Holdings Corp.	837	23,567
HL Mando Company, Ltd.	2,213	91,036
HMM Company, Ltd.	21,976	315,997
HS Industries Company, Ltd.	4,056	11,983
Huons Global Company, Ltd.	581	9,267
Huvis Corp. (A)	3,715	13,352
Hyosung Corp.	540	25,936
Hyosung Heavy Industries Corp. (A)	742	65,027
Hyundai Corp.	1,339	22,743
Hyundai Corp. Holdings, Inc.	1,811	16,912
Hyundai Department Store Company, Ltd.	1,243	46,605
Hyundai Engineering & Construction Company, Ltd.	5,407	157,176
Hyundai Futurenet Company, Ltd.	8,894	19,654
Hyundai GF Holdings	3,419	9,459
Hyundai Glovis Company, Ltd.	1,260	189,700
Hyundai Green Food (A)	1,814	17,567
Hyundai Home Shopping Network Corp.	652	22,687
Hyundai Livart Furniture Company, Ltd. (A)	1,327	8,733
Hyundai Marine & Fire Insurance Company, Ltd.	4,678	110,377
Hyundai Mobis Company, Ltd.	3,299	584,078
Hyundai Motor Company	7,569	1,190,561
Hyundai Motor Securities Company, Ltd.	3,480	23,146
Hyundai Steel Company	6,801	175,252
Hyundai Wia Corp.	1,286	65,683
Iijin Holdings Company, Ltd.	4,669	16,814
iMarketKorea, Inc.	1,985	14,913
Industrial Bank of Korea	18,712	147,197
Innocean Worldwide, Inc.	469	14,031
INTOPS Company, Ltd.	1,374	35,495
Inzi Controls Company, Ltd.	1,760	12,532
IS Dongseo Company, Ltd. (A)	860	21,855
JB Financial Group Company, Ltd.	11,451	73,700
Jeil Savings Bank (A)(C)	1,820	0
Kangwon Land, Inc.	3,386	44,840
KAON Group Company, Ltd.	3,062	14,532

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
KB Financial Group, Inc.	550	\$ 19,962
KB Financial Group, Inc., ADR	25,595	931,658
KC Company, Ltd.	1,496	22,051
KC Tech Company, Ltd.	889	14,437
KCC Corp.	347	52,006
KCC Glass Corp.	939	31,728
KCTC	4,403	14,344
KG Chemical Corp.	799	26,466
KG Eco Technology Service Company, Ltd.	1,161	11,417
Kginicis Company, Ltd.	1,190	11,007
KGMobilians Company, Ltd.	2,700	15,589
Kia Corp.	20,749	1,397,674
KISCO Corp.	4,131	20,619
KISCO Holdings Company, Ltd.	1,536	21,358
KISWIRE, Ltd.	1,688	24,384
KIWOOM Securities Company, Ltd.	1,432	96,767
Kolmar Korea Holdings Company, Ltd.	1,323	14,072
Kolon Corp.	898	13,542
Kolon Industries, Inc.	1,911	72,832
Korea Asset In Trust Company, Ltd.	9,060	21,856
Korea Circuit Company, Ltd. (A)	1,415	19,028
Korea Electric Terminal Company, Ltd.	561	25,892
Korea Investment Holdings Company, Ltd.	3,247	128,061
Korea Line Corp. (A)	23,137	35,718
Korea Petrochemical Industrial Company, Ltd.	441	47,000
Korea Real Estate Investment & Trust Company, Ltd.	14,635	15,382
Korea Zinc Company, Ltd.	137	50,886
Korean Air Lines Company, Ltd.	7,073	131,212
Korean Reinsurance Company	11,364	60,501
Kortek Corp.	1,806	12,089
KPX Chemical Company, Ltd.	660	23,536
KSS LINE, Ltd.	3,562	26,051
KT Skylife Company, Ltd.	1,768	8,627
Kukdo Chemical Company, Ltd.	466	19,101
Kumho HT, Inc. (A)	19,985	12,180
Kumho Petrochemical Company, Ltd.	1,206	121,949
KUMHOE&C Company, Ltd.	2,357	10,989
Kwang Dong Pharmaceutical Company, Ltd.	3,313	16,672
Kyeryong Construction Industrial Company, Ltd.	844	10,833
Kyung-In Synthetic Corp.	4,181	16,654
LabGenomics Company, Ltd. (A)	4,545	24,738
LF Corp.	2,312	29,885
LG Corp.	6,087	408,196
LG Display Company, Ltd., ADR (D)	42,905	260,004
LG Electronics, Inc.	9,906	958,787
LG HelloVision Company, Ltd.	3,836	12,581
LG Upluss Corp.	18,651	152,182
Lotte Chemical Corp.	1,213	142,760
Lotte Chilsung Beverage Company, Ltd.	253	24,402
Lotte Corp.	2,012	38,282
LOTTE Fine Chemical Company, Ltd.	1,504	79,491
LOTTE Himart Company, Ltd.	1,006	7,619
Lotte Non-Life Insurance Company, Ltd. (A)	5,459	7,243
Lotte Shopping Company, Ltd.	881	45,977
Lotte Wellfood Company, Ltd.	95	7,322
LS Corp.	1,347	95,470
LX Hausys, Ltd.	659	22,912
LX Holdings Corp.	2,952	17,770
LX International Corp.	2,902	79,843

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Meritz Financial Group, Inc. (A)	4,035	\$ 127,934
Mirae Asset Life Insurance Company, Ltd. (A)	8,582	24,513
Mirae Asset Securities Company, Ltd.	22,352	123,282
MK Electron Company, Ltd.	1,860	22,291
Motonic Corp.	2,259	15,214
Muhak Company, Ltd.	2,080	8,929
Namyang Dairy Products Company, Ltd.	58	23,590
Netmarble Corp. (A)(B)	1,149	43,152
Nexen Corp.	3,733	12,187
Nexen Tire Corp.	6,465	40,611
NH Investment & Securities Company, Ltd.	12,340	89,759
NHN Corp. (A)	1,882	35,284
Nice Information & Telecommunication, Inc.	705	13,498
Nong Shim Holdings Company, Ltd.	402	20,735
NongShim Company, Ltd.	163	49,221
NOVAREX Company, Ltd.	1,637	9,805
OCI Company, Ltd. (A)	500	46,295
OCI Holdings Company, Ltd.	1,105	95,509
Orion Holdings Corp.	2,756	30,787
Otogi Corp.	84	25,037
Pan Ocean Company, Ltd.	26,446	104,541
Paradise Company, Ltd. (A)	1,963	21,133
Partron Company, Ltd.	3,579	24,986
PHA Company, Ltd.	2,626	20,994
Poongsan Corp.	2,423	80,080
Poongsan Holdings Corp.	1,129	31,212
POSCO Holdings, Inc.	4,950	1,464,962
Posco International Corp.	4,844	147,437
RFTech Company, Ltd. (A)	4,033	13,998
Sam Young Electronics Company, Ltd.	938	6,861
Samho Development Company, Ltd.	4,213	11,736
SAMPYO Cement Company, Ltd.	4,134	10,806
Samsung C&T Corp.	4,114	331,111
Samsung Card Company, Ltd.	2,454	55,297
Samsung Electronics Company, Ltd.	45,527	2,506,866
Samsung Fire & Marine Insurance Company, Ltd.	2,745	479,018
Samsung Life Insurance Company, Ltd.	4,195	214,548
Samsung SDS Company, Ltd.	908	85,115
Samsung Securities Company, Ltd.	4,810	132,020
Samyang Corp.	258	8,291
Samyang Holdings Corp.	535	29,552
Sangsangin Company, Ltd. (A)	3,653	13,412
Seah Besteel Holdings Corp.	1,017	19,947
Sebang Company, Ltd.	1,153	10,819
Sebang Global Battery Company, Ltd.	601	22,079
Seegene, Inc.	2,081	32,596
Sejong Industrial Company, Ltd.	1,547	10,858
Sejong Telecom, Inc.	19,734	8,972
Seohee Construction Company, Ltd.	13,592	15,146
Seoul Semiconductor Company, Ltd.	3,322	32,437
Seoyon Company, Ltd.	2,508	17,401
SGC Energy Company, Ltd.	744	14,778
SGC eTec E&C Company, Ltd.	231	4,164
Shindaeyang Paper Company, Ltd.	2,670	10,614
Shinhan Financial Group Company, Ltd.	2,494	64,475
Shinhan Financial Group Company, Ltd., ADR	32,928	858,104
Shinsegae Engineering & Construction Company, Ltd.	621	8,230
Shinsegae Food Company, Ltd.	268	8,324
Shinsegae International, Inc.	1,033	13,406

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Shinsegae, Inc.	668	\$ 90,613
Shinyoung Securities Company, Ltd.	580	24,529
SIMMTECH HOLDINGS Company, Ltd.	3,917	8,910
SK Chemicals Company, Ltd.	288	15,395
SK Discovery Company, Ltd.	1,496	40,837
SK Gas, Ltd.	304	29,553
SK Hynix, Inc.	26,526	2,330,691
SK Innovation Company, Ltd. (A)	4,550	551,615
SK Networks Company, Ltd.	16,268	62,957
SK Securities Company, Ltd.	27,076	13,965
SK, Inc.	2,806	318,297
SL Corp.	1,341	37,626
SNT Holdings Company, Ltd.	1,460	18,394
SNT Motiv Company, Ltd.	882	35,508
S-Oil Corp.	3,185	161,833
Songwon Industrial Company, Ltd.	1,547	23,888
Spigen Korea Company, Ltd.	525	13,832
Sugentech, Inc.	1,378	7,585
Suheung Company, Ltd.	502	10,174
Sungshin Cement Company, Ltd.	2,022	13,499
Sungwoo Hitech Company, Ltd.	2,984	22,586
Sunjin Company, Ltd.	2,276	14,806
Systems Technology, Inc.	1,205	17,214
Taekwang Industrial Company, Ltd.	48	23,076
Taeyoung Engineering & Construction Company, Ltd.	2,234	6,846
Tongyang Life Insurance Company, Ltd. (A)	7,644	20,790
TS Corp.	12,730	33,717
TY Holdings Company, Ltd.	2,153	13,396
Uju Electronics Company, Ltd.	672	8,086
Unid Btplus Company, Ltd. (A)	637	3,794
Unid Company, Ltd.	406	20,804
Uniquet Corp.	1,636	15,130
WiSoL Company, Ltd.	2,256	12,721
Wonik Holdings Company, Ltd. (A)	5,948	17,210
Wonik Materials Company, Ltd.	880	21,102
Woori Financial Group, Inc.	41,842	375,861
Young Poong Corp.	51	22,196
Youngone Corp.	2,509	123,206
Youngone Holdings Company, Ltd.	920	54,101
Yuanta Securities Korea Company, Ltd.	11,703	23,900
		26,462,212
Taiwan - 17.3%		
Abico Avy Company, Ltd.	24,990	17,933
Acer, Inc.	256,452	258,765
ACES Electronic Company, Ltd.	19,323	18,393
Acter Group Corp., Ltd.	8,000	38,740
Advanced International Multitech Company, Ltd.	13,000	33,293
AGV Products Corp.	11,716	4,827
Altek Corp.	16,000	17,605
AmTRAN Technology Company, Ltd.	52,255	24,735
Apacer Technology, Inc.	11,000	21,551
APCB, Inc.	37,000	21,590
Apex International Company, Ltd.	7,000	14,256
Arcadyan Technology Corp.	8,000	31,681
Ardentec Corp.	45,000	88,398
Argosy Research, Inc.	7,000	29,122
ASE Technology Holding Company, Ltd.	256,000	910,374
Asia Cement Corp.	137,805	196,740
Asia Optical Company, Inc.	14,000	28,968
Asia Polymer Corp.	50,607	43,137
Asia Tech Image, Inc.	12,000	25,001
Asustek Computer, Inc.	49,000	496,078

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Audix Corp.	21,000	\$ 39,433
AUO Corp.	411,200	246,774
AVerMedia Technologies, Inc.	19,000	13,293
Bank of Kaohsiung Company, Ltd.	82,204	32,918
Basso Industry Corp.	8,000	10,782
BenQ Materials Corp.	13,000	16,461
BES Engineering Corp.	163,700	58,401
Brighton-Best International Taiwan, Inc.	19,000	21,766
Capital Securities Corp.	183,403	84,118
Career Technology MFG. Company, Ltd.	34,200	29,408
Catcher Technology Company, Ltd.	43,000	242,612
Cathay Financial Holding Company, Ltd.	406,775	564,703
Cathay Real Estate Development Company, Ltd.	46,400	24,327
Celxpert Energy Corp.	12,000	13,740
Center Laboratories, Inc.	17,000	30,313
Central Reinsurance Company, Ltd. (A)	40,463	27,561
Chang Hwa Commercial Bank, Ltd.	296,580	177,784
CHC Healthcare Group	8,000	18,216
Chen Full International Company, Ltd.	15,000	20,313
Chenbro Micom Company, Ltd.	2,000	10,816
Cheng Loong Corp.	68,320	74,814
Cheng Mei Materials Technology Corp. (A)	39,090	14,931
Cheng Shin Rubber Industry Company, Ltd.	132,000	170,511
Cheng Uei Precision Industry Company, Ltd.	37,629	50,987
Chia Hsin Cement Corp.	15,000	10,373
Chicony Electronics Company, Ltd.	28,000	88,201
China Airlines, Ltd.	264,910	223,702
China Bills Finance Corp.	95,000	47,011
China Chemical & Pharmaceutical Company, Ltd.	34,000	28,740
China Development Financial Holding Corp.	1,167,535	465,368
China Man-Made Fiber Corp. (A)	139,414	36,860
China Metal Products Company, Ltd.	26,513	31,034
China Motor Corp.	30,250	90,577
China Petrochemical Development Corp. (A)	309,245	97,454
China Steel Corp.	1,010,180	955,251
Chin-Poon Industrial Company, Ltd.	43,571	44,000
Chipbond Technology Corp.	70,000	142,081
ChipMOS Technologies, Inc.	66,938	78,694
Chong Hong Construction Company, Ltd.	19,000	48,683
Chun Yuan Steel Industry Company, Ltd. (A)	50,874	29,779
Clevo Company	27,000	28,832
CMC Magnetics Corp. (A)	68,121	30,930
Compal Electronics, Inc.	325,000	305,674
Compeq Manufacturing Company, Ltd.	77,000	110,164
Concord Securities Company, Ltd.	26,000	11,775
Continental Holdings Corp.	49,050	45,413
Coremax Corp.	9,000	26,249
Coretronic Corp.	40,000	94,480
Co-Tech Development Corp.	3,000	5,931
CTBC Financial Holding Company, Ltd.	1,395,348	1,115,817
DA CIN Construction Company, Ltd.	20,000	21,144
Da-Li Development Company, Ltd.	17,000	17,336
Darfon Electronics Corp.	16,000	23,823
Darwin Precisions Corp. (A)	37,000	18,057
Depo Auto Parts Industrial Company, Ltd.	12,000	45,628
D-Link Corp.	50,600	35,625
Dyaco International, Inc.	5,795	7,273

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Dynamic Holding Company, Ltd.	35,584	\$ 31,036
Dynapack International Technology Corp.	10,000	25,470
E.Sun Financial Holding Company, Ltd.	49,835	41,753
Edom Technology Company, Ltd.	18,400	16,689
Elite Advanced Laser Corp.	7,000	8,870
Elitegroup Computer Systems Company, Ltd.	42,104	42,966
Ennostar, Inc. (A)	31,656	53,105
EnTie Commercial Bank Company, Ltd.	58,000	29,008
Eternal Materials Company, Ltd.	57,400	59,647
Eva Airways Corp.	218,725	280,608
Everest Textile Company, Ltd. (A)	64,835	19,192
Evergreen International Storage & Transport Corp.	44,600	41,397
Evergreen Marine Corp. Taiwan, Ltd.	69,662	209,997
Evergreen Steel Corp.	10,000	21,549
Everlight Chemical Industrial Corp.	49,250	34,556
Everlight Electronics Company, Ltd.	46,000	76,533
Excelsior Medical Company, Ltd.	17,401	55,785
Far Eastern Department Stores, Ltd.	77,720	59,942
Far Eastern International Bank	253,756	97,125
Far Eastern New Century Corp.	252,249	271,243
Farglory Land Development Company, Ltd.	28,530	55,930
Feng Hsin Steel Company, Ltd.	8,000	18,324
First Financial Holding Company, Ltd.	605,314	538,361
First Steamship Company, Ltd. (A)	84,809	24,521
Fitipower Integrated Technology, Inc.	8,000	36,951
Fittech Company, Ltd.	9,000	23,484
FLEXium Interconnect, Inc.	27,000	80,469
Formosa Advanced Technologies Company, Ltd.	25,000	35,198
Formosa Chemicals & Fibre Corp.	184,000	396,859
Formosa Laboratories, Inc.	9,543	28,385
Formosa Petrochemical Corp.	4,000	10,843
Formosa Plastics Corp.	188,000	517,877
Formosa Taffeta Company, Ltd.	67,000	60,313
Formosan Rubber Group, Inc.	33,020	23,460
Formosan Union Chemical	48,812	38,719
Foxconn Technology Company, Ltd.	64,626	115,631
Foxsemicon Integrated Technology, Inc.	4,000	26,007
FSP Technology, Inc.	10,000	15,436
Fubon Financial Holding Company, Ltd.	547,805	1,072,284
Fulgent Sun International Holding Company, Ltd.	11,000	48,851
Fulltech Fiber Glass Corp.	46,349	20,237
Fwusow Industry Company, Ltd.	40,000	27,670
G Shank Enterprise Company, Ltd.	15,535	24,556
Gamania Digital Entertainment Company, Ltd.	9,000	23,715
Gemtek Technology Corp.	32,000	34,062
General Interface Solution Holding, Ltd.	29,000	68,052
Getac Holdings Corp.	14,000	30,146
Giantplus Technology Company, Ltd.	31,000	15,409
Gigabyte Technology Company, Ltd.	31,000	243,113
Global Brands Manufacture, Ltd.	37,541	55,471
Global Lighting Technologies, Inc.	6,000	11,253
Global PMX Company, Ltd.	3,000	15,280
Globe Union Industrial Corp. (A)	27,525	11,946
Gloria Material Technology Corp.	39,684	73,736
Goldsun Building Materials Company, Ltd.	93,540	82,712
Gourmet Master Company, Ltd.	6,000	27,709
Grand Pacific Petrochemical	77,000	48,210
Great China Metal Industry	33,000	27,452
Great Wall Enterprise Company, Ltd.	15,724	26,960

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Greatek Electronics, Inc.	12,000	\$ 22,087
Hannstar Board Corp.	39,750	61,501
HannStar Display Corp. (A)	112,842	47,856
HannsTouch Holdings Company	64,000	21,844
Hey Song Corp.	40,000	53,015
Highwealth Construction Corp.	58,507	80,201
Hitron Technology, Inc.	28,000	28,941
Ho Tung Chemical Corp.	88,399	25,196
Holy Stone Enterprise Company, Ltd.	10,000	34,579
Hon Hai Precision Industry Company, Ltd.	687,448	2,499,382
Hong Pu Real Estate Development Company, Ltd.	27,000	23,392
Hong TAI Electric Industrial	20,000	17,162
Horizon Securities Company, Ltd.	19,080	6,997
Hsing TA Cement Company, Ltd.	38,000	22,580
Hua Nan Financial Holdings Company, Ltd.	476,096	339,914
Huang Hsiang Construction Corp.	18,000	23,526
Hung Ching Development & Construction Company, Ltd.	14,000	11,069
Hung Sheng Construction, Ltd.	42,240	29,670
IBF Financial Holdings Company, Ltd. (A)	268,707	104,121
Ichia Technologies, Inc.	25,000	26,315
IEI Integration Corp.	12,000	34,862
Innolux Corp.	595,092	292,906
Inpaq Technology Company, Ltd.	12,000	21,619
Integrated Service Technology, Inc.	9,000	28,188
International CSRC Investment Holdings Company	81,383	56,269
Inventec Corp.	158,000	219,657
Iron Force Industrial Company, Ltd.	6,000	19,110
ITEQ Corp.	11,000	24,476
Jarlllytec Company, Ltd.	9,000	21,857
Jess-Link Products Company, Ltd.	13,000	28,286
Kaimei Electronic Corp.	10,640	23,118
Kedge Construction Company, Ltd.	6,600	15,323
Kenda Rubber Industrial Company, Ltd.	39,520	40,786
Kerry TJ Logistics Company, Ltd.	16,000	20,170
Kindom Development Company, Ltd.	24,000	23,225
King Yuan Electronics Company, Ltd.	112,796	207,075
King's Town Bank Company, Ltd.	83,000	94,930
King's Town Construction Company, Ltd. (A)	7,300	7,485
Kinko Optical Company, Ltd. (A)	15,758	14,669
Kinpo Electronics, Inc.	108,269	51,464
Kinsus Interconnect Technology Corp.	22,000	82,801
KS Terminals, Inc.	9,000	24,012
Kuo Toong International Company, Ltd.	18,248	19,366
Kuo Yang Construction Company, Ltd. (A)	12,000	7,064
L&K Engineering Company, Ltd.	17,000	33,471
Largan Precision Company, Ltd.	6,000	411,585
Lealea Enterprise Company, Ltd.	90,124	33,090
Lelon Electronics Corp.	8,000	16,003
Li Peng Enterprise Company, Ltd. (A)	62,000	16,023
Lida Holdings, Ltd.	4,640	4,915
Lien Hwa Industrial Holdings Corp. (A)	45,045	98,226
Lingsen Precision Industries, Ltd.	49,481	24,566
Lite-On Technology Corp.	164,000	546,110
Longchen Paper & Packaging Company, Ltd.	66,189	36,518
Lumax International Corp., Ltd.	3,600	8,966
Lung Yen Life Service Corp.	9,000	10,618
Macauto Industrial Company, Ltd.	8,000	19,259
Macronix International Company, Ltd.	129,000	136,023
Mega Financial Holding Company, Ltd.	415,158	509,517

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Mercuries & Associates Holding, Ltd.	48,293	\$ 23,588
Mercuries Life Insurance Company, Ltd. (A)	87,212	15,285
Mitac Holdings Corp.	58,316	65,598
MOSA Industrial Corp.	9,738	9,679
MPI Corp.	11,000	61,540
Namchow Holdings Company, Ltd.	9,000	13,829
Nan Ya Plastics Corp.	302,000	704,456
Nantex Industry Company, Ltd.	9,000	10,842
Nanya Technology Corp.	106,000	241,655
Nichidenbo Corp.	14,000	26,376
Nishoku Technology, Inc.	7,800	21,034
O-Bank Company, Ltd.	52,538	17,250
Orient Semiconductor Electronics, Ltd.	26,000	19,267
Oriental Union Chemical Corp.	28,000	19,961
Pacific Construction Company	38,289	11,388
Paiho Shih Holdings Corp.	11,000	8,627
Pan-International Industrial Corp.	44,481	57,436
PChome Online, Inc.	6,000	9,944
Pegatron Corp.	162,660	391,620
Phison Electronics Corp.	12,000	159,126
Pixart Imaging, Inc.	10,000	35,241
Pou Chen Corp.	137,348	139,217
Powerchip Semiconductor Manufacturing Corp.	214,000	213,624
Powertech Technology, Inc.	39,000	131,785
President Securities Corp.	99,549	55,780
Primax Electronics, Ltd.	26,000	55,041
Prince Housing & Development Corp.	142,555	54,971
Prodisc Technology, Inc. (A)(C)	762,000	0
Promate Electronic Company, Ltd.	8,000	11,442
Prosperity Dielectrics Company, Ltd.	6,000	8,358
Qisda Corp.	134,280	198,265
Quang Viet Enterprise Company, Ltd.	4,000	16,021
Quanta Computer, Inc.	201,000	981,657
Quanta Storage, Inc.	23,000	55,028
Radiant Opto-Electronics Corp.	34,000	120,373
Radium Life Tech Company, Ltd.	102,621	29,904
Rechi Precision Company, Ltd.	20,000	13,019
Rexon Industrial Corp., Ltd. (A)	13,000	14,548
Ritek Corp. (A)	57,799	18,359
Roo Hsing Company, Ltd. (A)	67,000	9,164
Ruentex Development Company, Ltd.	80,000	92,614
Ruentex Industries, Ltd.	39,424	76,382
Sampo Corp.	43,470	37,365
San Far Property, Ltd.	28,964	13,299
Sanyang Motor Company, Ltd.	48,000	138,373
Savior Lifetec Corp. (A)	33,000	19,670
Sercomm Corp.	22,000	74,448
Sesoda Corp.	13,064	16,303
Shan-Loong Transportation Company, Ltd. (A)	23,000	24,128
Sheng Yu Steel Company, Ltd.	22,000	18,036
ShenMao Technology, Inc.	8,000	13,364
Shih Wei Navigation Company, Ltd.	26,332	19,437
Shihlin Electric & Engineering Corp.	21,000	101,160
Shin Kong Financial Holding Company, Ltd. (A)	870,344	249,287
Shin Zu Shing Company, Ltd.	8,000	23,276
Shining Building Business Company, Ltd. (A)	55,118	19,564
Shinkong Insurance Company, Ltd.	27,000	45,149
Shinkong Synthetic Fibers Corp.	132,239	73,174
Shuttle, Inc. (A)	25,000	11,843
Sigurd Microelectronics Corp.	47,773	85,068

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Simplo Technology Company, Ltd.	8,000	\$ 84,614
Sincere Navigation Corp.	24,000	15,562
Sinher Technology, Inc.	8,000	9,591
Sinon Corp.	25,650	29,437
SinoPac Financial Holdings Company, Ltd.	706,335	394,151
Sinyi Realty, Inc.	13,000	11,977
Sirtec International Company, Ltd.	23,800	24,248
Siward Crystal Technology Company, Ltd.	20,000	22,929
Soft-World International Corp.	4,000	12,991
Solar Applied Materials Technology Corp.	11,000	13,598
Sports Gear Company, Ltd.	8,000	17,522
St. Shine Optical Company, Ltd.	4,000	29,832
Sunonwealth Electric Machine Industry Company, Ltd.	18,000	53,882
Sunplus Technology Company, Ltd.	33,000	30,560
Sunrex Technology Corp.	11,678	16,406
Supreme Electronics Company, Ltd.	13,268	20,665
Syncmold Enterprise Corp.	6,000	11,596
Synnex Technology International Corp.	87,000	162,266
T3EX Global Holdings Corp.	3,000	6,851
TA Chen Stainless Pipe	100,483	153,163
TA-I Technology Company, Ltd.	8,000	12,733
Taichung Commercial Bank Company, Ltd.	211,982	103,547
TaiDoc Technology Corp.	4,000	23,923
Taiflex Scientific Company, Ltd.	24,100	33,881
Tainan Spinning Company, Ltd.	135,638	71,979
Taishin Financial Holding Company, Ltd.	748,047	455,354
Taita Chemical Company, Ltd.	27,818	18,082
TAI-TECH Advanced Electronics Company, Ltd.	5,000	15,716
Taiwan Business Bank	413,545	189,555
Taiwan Cement Corp.	363,325	444,683
Taiwan Chinsan Electronic Industrial Company, Ltd.	14,852	17,684
Taiwan Cooperative Financial Holding Company, Ltd.	462,307	417,149
Taiwan Fertilizer Company, Ltd.	52,000	101,168
Taiwan Fire & Marine Insurance Company, Ltd. (A)	41,000	30,240
Taiwan FU Hsing Industrial Company, Ltd.	21,000	28,851
Taiwan Glass Industry Corp. (A)	80,319	49,850
Taiwan Hon Chuan Enterprise Company, Ltd.	29,000	98,431
Taiwan Kolin Company, Ltd. (A)(C)	327,000	0
Taiwan Navigation Company, Ltd.	19,000	18,678
Taiwan Paiho, Ltd.	14,000	24,496
Taiwan PCB Techvest Company, Ltd.	36,000	45,642
Taiwan Shin Kong Security Company, Ltd.	8,000	10,624
Taiwan Styrene Monomer Technology Corp.	38,000	20,249
Taiwan Surface Mounting Technology Corp.	26,225	84,926
Taiwan Union Technology Corp.	14,000	34,038
Taiyen Biotech Company, Ltd.	26,137	29,311
Tatung Company, Ltd. (A)	94,000	164,125
TBI Motion Technology Company, Ltd.	12,000	15,473
TCI Company, Ltd.	3,000	17,129
Teco Electric & Machinery Company, Ltd.	109,000	187,026
Test Research, Inc.	13,000	25,253
The Ambassador Hotel	29,000	49,193
The Shanghai Commercial & Savings Bank, Ltd.	169,823	247,781
Thinking Electronic Industrial Company, Ltd.	4,000	21,276
Thye Ming Industrial Company, Ltd.	24,800	36,419
Ton Yi Industrial Corp.	97,000	61,718

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Tong Hsing Electronic Industries, Ltd.	10,200	\$ 60,198
Tong Yang Industry Company, Ltd.	40,627	68,913
Tong-Tai Machine & Tool Company, Ltd.	26,588	16,499
TOPBI International Holdings, Ltd. (A)	8,077	3,108
Topkey Corp.	6,000	37,279
Topoint Technology Company, Ltd.	29,190	28,406
TPK Holding Company, Ltd.	41,000	58,505
Transcend Information, Inc.	9,000	22,681
Tripod Technology Corp.	20,000	79,377
Tsann Kuen Enterprise Company, Ltd.	4,911	6,946
TSRC Corp.	50,000	41,346
Tung Ho Steel Enterprise Corp.	61,640	117,938
TURVO International Company, Ltd.	4,000	14,157
TXC Corp.	27,000	81,502
TYC Brother Industrial Company, Ltd.	15,511	18,570
Tycoons Group Enterprise (A)	38,000	11,856
Tyntek Corp.	36,000	21,258
U-Ming Marine Transport Corp.	38,000	57,952
Union Bank of Taiwan	147,539	78,079
Unitech Printed Circuit Board Corp.	78,985	45,066
United Microelectronics Corp.	790,794	1,242,505
Universal Cement Corp.	27,483	27,139
UPC Technology Corp.	89,751	42,898
USI Corp.	80,996	60,205
Wafer Works Corp.	25,000	38,190
Wah Lee Industrial Corp.	20,520	54,732
Walsin Lihwa Corp.	156,589	206,942
Walsin Technology Corp.	25,000	76,833
Walton Advanced Engineering, Inc.	39,584	18,300
Wan Hai Lines, Ltd.	58,800	111,955
Wei Chuan Foods Corp.	33,000	21,531
Weikeng Industrial Company, Ltd.	25,000	26,886
Well Shin Technology Company, Ltd.	15,000	26,962
Winbond Electronics Corp. (A)	316,793	280,200
Wintek Corp. (A)(C)	543,000	0
Wisdom Marine Lines Company, Ltd.	36,343	57,102
Wistron Corp.	264,291	771,139
Wistron NeWeb Corp.	12,000	36,865
WPG Holdings, Ltd.	149,400	262,867
WT Microelectronics Company, Ltd. (A)	45,174	98,781
Xxentria Technology Materials Corp.	8,800	19,682
Yageo Corp.	18,946	300,151
Yang Ming Marine Transport Corp.	152,000	308,687
YC INOX Company, Ltd.	40,104	37,913
Yea Shin International Development Company, Ltd.	22,761	18,906
Yem Chio Company, Ltd.	42,717	21,707
Yeong Guan Energy Technology Group Company, Ltd.	13,553	31,263
YFY, Inc.	117,202	140,459
Yieh Phui Enterprise Company, Ltd.	72,343	36,555
Youngtek Electronics Corp.	17,000	36,338
Yuanta Financial Holding Company, Ltd.	708,532	526,948
Yulon Motor Company, Ltd.	59,632	158,538
YungShin Global Holding Corp.	8,000	11,209
Zeng Hsing Industrial Company, Ltd.	4,297	15,399
Zenitron Corp.	28,000	31,167
Zhen Ding Technology Holding, Ltd.	44,000	148,787
Zig Sheng Industrial Company, Ltd.	38,908	13,273
ZongTai Real Estate Development Company, Ltd. (A)	17,000	23,666
Zyxel Group Corp.	30,540	45,724
		36,741,449
Thailand - 2.0%		
AAPICO Hitech PCL	35,352	34,773

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thailand (continued)		
AP Thailand PCL	223,670	\$ 72,610
Bangchak Corp. PCL	91,600	94,514
Bangkok Bank PCL	43,000	193,725
Bangkok Bank PCL, NVDR	14,500	65,326
Bangkok Insurance PCL	3,050	26,154
Bangkok Land PCL	1,059,200	24,517
Bangkok Life Assurance PCL, NVDR	18,200	12,632
Bangkok Ranch PCL (A)	92,300	7,243
Banpu PCL	535,067	133,823
Berli Jucker PCL	86,900	85,353
Cal-Comp Electronics Thailand PCL	145,292	7,885
Charoen Pokphand Foods PCL	377,100	209,667
Esso Thailand PCL	83,900	20,860
GFPT PCL	43,900	15,873
Indorama Ventures PCL	130,000	125,849
IRPC PCL	943,100	60,753
Italian-Thai Development PCL (A)	477,400	17,934
Kasikornbank PCL, NVDR	28,200	103,216
Khon Kaen Sugar Industry PCL	192,600	16,856
Kiatnakin Phatra Bank PCL	19,400	32,753
Krung Thai Bank PCL	207,700	113,830
LPN Development PCL	52,900	6,095
Millcon Steel PCL (A)	167,887	1,990
Polyplex Thailand PCL	14,000	5,456
Precious Shipping PCL	66,500	17,485
Pruksa Holding PCL	78,800	28,036
PTT Exploration & Production PCL	86,800	367,786
PTT Global Chemical PCL	115,500	121,641
PTT PCL	861,000	814,965
Quality Houses PCL	377,100	23,426
Regional Container Lines PCL	30,000	20,108
Rojana Industrial Park PCL	113,100	18,218
Saha-Union PCL	16,100	13,170
Sansiri PCL	1,026,866	55,688
SC Asset Corp. PCL	238,196	29,317
SCB X PCL	42,400	127,662
Siam City Cement PCL	4,900	19,289
Siamgas & Petrochemicals PCL	78,400	18,701
Sino-Thai Engineering & Construction PCL	30,500	7,585
Somboon Advance Technology PCL	51,300	27,418
SPCG PCL	58,900	21,102
Sri Trang Agro-Industry PCL	84,800	40,700
Srithai Superware PCL	283,000	9,524
Star Petroleum Refining PCL	100,000	22,763
STP & I PCL (A)	21,600	2,037
Supalai PCL	123,100	70,178
Super Energy Corp. PCL (A)	743,000	10,908
Syntec Construction PCL (A)	156,500	6,622
Thai Oil PCL	92,873	116,203
Thai Stanley Electric PCL	700	4,266
Thai Union Group PCL	225,600	82,133
Thanachart Capital PCL	37,300	52,403
The Lanna Resources PCL	44,200	18,455
The Siam Cement PCL	33,600	305,496
Thitikorn PCL	100	20
Thoresen Thai Agencies PCL	75,500	13,963
TMBThanachart Bank PCL	1,347,695	59,010
TPI Polene PCL	559,900	23,240
TPI Polene Power PCL	283,200	26,520
True Corp. PCL	406,502	75,340
		4,161,065
Turkey - 0.7%		
Akbank TAS	273,631	212,652
Anadolu Efes Biracilik Ve Malt Sanayii AS	14,921	37,969

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Turkey (continued)		
Dogan Sirketler Grubu Holding AS	52,374	\$ 19,908
Eczacibasi Yatirim Holding Ortakligi AS	1	3
Enka Insaat ve Sanayi AS	76,018	86,119
Eregli Demir ve Celik Fabrikalari TAS (A)	76,335	108,350
Goldas Kuyumculuk Sanayi Ithalat Ve Bagli Ortakliklari (A)(C)	54,846	199
Gozde Girişim Sermayesi Yatirim Ortakligi AS (A)	28,775	15,490
GSD Holding AS	173,611	21,627
Kardemir Karabuk Demir Celik Sanayi ve Ticaret AS, Class A	14,485	11,360
KOC Holding AS	34,979	140,075
Sekerbank Turk AS	178,589	18,106
TAV Havalimanlari Holding AS (A)	11,684	42,061
Turk Hava Yollari AO (A)	43,966	327,499
Turkiye Halk Bankasi AS (A)	56,201	26,856
Turkiye Is Bankasi AS, Class C	209,300	112,730
Turkiye Sinai Kalkinma Bankasi AS (A)	141,027	24,396
Turkiye Sise ve Cam Fabrikalari AS	55,383	94,817
Turkiye Vakiflar Bankasi TAO, Class D (A)	91,535	34,848
Uzel Makina Sanayii AS (A)(C)	22,930	0
Vestel Elektronik Sanayi ve Ticaret AS (A)	6,172	13,564
Yapi ve Kredi Bankasi AS	254,969	127,399
		1,476,028
United Arab Emirates - 1.3%		
Abu Dhabi Commercial Bank PJSC	203,266	449,072
Agthia Group PJSC	33,488	45,339
Aldar Properties PJSC	274,565	384,002
Amanat Holdings PJSC	77,820	21,382
Amlak Finance PJSC (A)	70,121	15,656
Dana Gas PJSC	313,959	73,705
Deyaar Development PJSC (A)	187,028	34,413
Dubai Investments PJSC	195,034	123,987
Emaar Development PJSC	95,957	151,469
Emaar Properties PJSC	396,071	696,184
Emirates NBD Bank PJSC	147,237	599,362
Eshraq Investments PJSC (A)	138,023	21,111
Islamic Arab Insurance Company (A)	45,511	8,708
Multiply Group PJSC (A)	14,256	12,355
RAK Properties PJSC (A)	77,735	18,808
Ras Al Khaimah Ceramics	24,868	18,145
SHUAA Capital PSC (A)	76,875	7,978
		2,681,676
United States - 0.0%		
Nexteer Automotive Group, Ltd.	95,000	49,788
TOTAL COMMON STOCKS (Cost \$217,460,705)		\$ 204,710,302
PREFERRED SECURITIES - 2.3%		
Brazil - 2.2%		
Banco ABC Brasil SA	9,841	39,194
Banco Bradesco SA	249,976	858,800
Banco do Estado do Rio Grande do Sul SA, B Shares	22,600	70,799
Banco Pan SA	12,745	24,355
Eucatex SA Industria e Comercio	4,200	9,868
Gerdau SA	86,494	452,864
Marcopolo SA	55,200	60,063
Petroleo Brasileiro SA	486,306	2,999,168
Randon SA Implementos e Participacoes	21,673	55,084
Usinas Siderurgicas de Minas Gerais SA, A Shares	57,310	84,621
		4,654,816

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Colombia - 0.1%		
Grupo Argos SA	23,975	\$ 34,539
Grupo de Inversiones Suramericana SA	9,424	29,254
		63,793
India - 0.0%		
Sundaram-Clayton, Ltd. (A)(C)	51,504	6,278
Philippines - 0.0%		
Cebu Air, Inc., 6.000%	15,189	9,883
TOTAL PREFERRED SECURITIES (Cost \$4,570,738)		\$ 4,734,770
RIGHTS - 0.0%		
China Zhesang Bank Company, Ltd. (Expiration Date: 7-20-23; Strike Price: HKD 2.23) (A)	12,600	547
Yea Shin International Development Company, Ltd. (Expiration Date: 7-12-23; Strike Price: TWD 24.00) (A)	2,141	127
TOTAL RIGHTS (Cost \$0)		\$ 674
WARRANTS - 0.0%		
Kiatnakin Phatra Bank PCL (Expiration Date: 3-17-26; Strike Price: THB 70.00) (A)	1,617	146
Millcon Steel PCL (Expiration Date: 12-31-24; Strike Price: THB 1.50) (A)	41,971	24
TOTAL WARRANTS (Cost \$0)		\$ 170
SHORT-TERM INVESTMENTS - 0.1%		
Short-term funds - 0.1%		
John Hancock Collateral Trust, 5.1773% (E)(F)	23,246	232,338
TOTAL SHORT-TERM INVESTMENTS (Cost \$232,350)		\$ 232,338
Total Investments (Emerging Markets Value Trust) (Cost \$222,263,793) - 98.7%		\$ 209,678,254
Other assets and liabilities, net - 1.3%		2,855,847
TOTAL NET ASSETS - 100.0%		\$ 212,534,101

Emerging Markets Value Trust (continued)

Currency Abbreviations

HKD Hong Kong Dollar

THB Thai Bhat

TWD New Taiwan Dollar

Security Abbreviations and Legend

ADR American Depositary Receipt

GDR Global Depositary Receipt

NVDR Non-Voting Depositary Receipt

(A) Non-income producing security.

(B) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.

(C) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.

(D) All or a portion of this security is on loan as of 6-30-23.

(E) The rate shown is the annualized seven-day yield as of 6-30-23.

(F) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI Emerging Markets Index Futures	29	Long	Sep 2023	\$1,456,010	\$1,446,375	\$(9,635)
						\$(9,635)

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

Equity Income Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.0%		
Communication services – 4.6%		
Diversified telecommunication services – 0.8%		
AT&T, Inc.	120,337	\$ 1,919,375

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified telecommunication services (continued)		
Verizon Communications, Inc.	247,449	\$ 9,202,628
		11,122,003
Entertainment – 1.2%		
The Walt Disney Company (A)	182,639	16,306,010
Interactive media and services – 0.3%		
Meta Platforms, Inc., Class A (A)	12,272	3,521,819
Media – 2.3%		
Comcast Corp., Class A	152,518	6,337,123
News Corp., Class A	1,183,045	23,069,378
News Corp., Class B	124,182	2,448,869
Paramount Global, Class B (B)	43,400	690,494
		32,545,864
		63,495,696
Consumer discretionary – 3.2%		
Broadline retail – 0.5%		
Kohl's Corp.	264,556	6,098,016
Hotels, restaurants and leisure – 1.0%		
Las Vegas Sands Corp. (A)	243,083	14,098,814
Leisure products – 0.7%		
Mattel, Inc. (A)	519,186	10,144,894
Specialty retail – 1.0%		
Best Buy Company, Inc.	78,278	6,414,882
The TJX Companies, Inc.	94,292	7,995,019
		14,409,901
		44,751,625
Consumer staples – 7.7%		
Beverages – 0.6%		
Constellation Brands, Inc., Class A	34,369	8,459,242
Consumer staples distribution and retail – 1.2%		
Target Corp.	13,900	1,833,410
Walmart, Inc.	91,528	14,386,371
		16,219,781
Food products – 2.3%		
Conagra Brands, Inc.	542,312	18,286,761
Mondelez International, Inc., Class A	26,265	1,915,769
Tyson Foods, Inc., Class A	221,206	11,290,354
		31,492,884
Household products – 1.6%		
Colgate-Palmolive Company	84,400	6,502,176
Kimberly-Clark Corp.	119,113	16,444,741
		22,946,917
Personal care products – 0.2%		
Kenvue, Inc. (A)	106,400	2,811,088
Tobacco – 1.8%		
Philip Morris International, Inc.	256,512	25,040,701
		106,970,613
Energy – 8.1%		
Oil, gas and consumable fuels – 8.1%		
Chevron Corp.	29,027	4,567,398
Enbridge, Inc.	91,000	3,380,650
EOG Resources, Inc.	107,331	12,282,960
EQT Corp.	74,500	3,064,185
Exxon Mobil Corp.	189,920	20,368,920
Hess Corp.	88,681	12,056,182
Suncor Energy, Inc.	61,500	1,803,180
TC Energy Corp. (B)	297,371	12,016,762
The Williams Companies, Inc.	125,400	4,091,802
TotalEnergies SE	537,552	30,857,970

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
TotalEnergies SE, ADR	134,378	\$ 7,745,548
		112,235,557
Financials – 20.7%		
Banks – 7.9%		
Bank of America Corp.	228,486	6,555,263
Citigroup, Inc.	135,284	6,228,475
Fifth Third Bancorp	548,409	14,373,800
Huntington Bancshares, Inc.	1,177,240	12,690,647
JPMorgan Chase & Co.	93,325	13,573,188
The PNC Financial Services Group, Inc.	21,306	2,683,491
U.S. Bancorp	390,178	12,891,481
Wells Fargo & Company	949,254	40,514,158
		109,510,503
Capital markets – 2.4%		
Franklin Resources, Inc.	50,305	1,343,647
Morgan Stanley	106,045	9,056,243
Raymond James Financial, Inc.	40,146	4,165,950
State Street Corp.	45,421	3,323,909
The Carlyle Group, Inc.	149,100	4,763,745
The Charles Schwab Corp.	117,315	6,649,414
The Goldman Sachs Group, Inc.	13,135	4,236,563
		33,539,471
Financial services – 3.0%		
Apollo Global Management, Inc.	47,800	3,671,518
Equitable Holdings, Inc.	803,310	21,817,900
Fiserv, Inc. (A)	128,544	16,215,826
		41,705,244
Insurance – 7.4%		
American International Group, Inc.	548,101	31,537,732
Chubb, Ltd.	137,046	26,389,578
Loews Corp.	229,446	13,624,503
MetLife, Inc.	323,031	18,260,942
The Hartford Financial Services Group, Inc.	184,984	13,322,548
		103,135,303
		287,890,521
Health care – 17.4%		
Biotechnology – 1.3%		
AbbVie, Inc.	95,009	12,800,563
Biogen, Inc. (A)	16,294	4,641,346
		17,441,909
Health care equipment and supplies – 5.1%		
Becton, Dickinson and Company	113,379	29,933,190
GE HealthCare Technologies, Inc.	107,750	8,753,610
Medtronic PLC	158,588	13,971,603
Zimmer Biomet Holdings, Inc.	128,053	18,644,517
		71,302,920
Health care providers and services – 4.9%		
Cardinal Health, Inc.	53,071	5,018,924
Centene Corp. (A)	45,429	3,064,186
CVS Health Corp.	211,176	14,598,597
Elevance Health, Inc.	69,076	30,689,776
Humana, Inc.	2,100	938,973
The Cigna Group	50,443	14,154,306
		68,464,762
Pharmaceuticals – 6.1%		
AstraZeneca PLC, ADR	120,427	8,618,960
Johnson & Johnson	174,932	28,954,745
Merck & Company, Inc.	116,921	13,491,514
Pfizer, Inc.	380,032	13,939,574
Sanofi	92,123	9,917,571

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Sanofi, ADR	27,094	\$ 1,460,367
Viatis, Inc.	813,168	8,115,417
		84,498,148
		241,707,739
Industrials – 11.8%		
Aerospace and defense – 2.9%		
L3Harris Technologies, Inc.	119,721	23,437,780
The Boeing Company (A)	81,134	17,132,255
		40,570,035
Air freight and logistics – 1.4%		
United Parcel Service, Inc., Class B	108,643	19,474,258
Commercial services and supplies – 0.5%		
Stericycle, Inc. (A)	159,749	7,418,744
Ground transportation – 0.7%		
Norfolk Southern Corp.	14,800	3,356,048
Union Pacific Corp.	31,200	6,384,144
		9,740,192
Industrial conglomerates – 3.7%		
3M Company	27,500	2,752,475
General Electric Company	307,463	33,774,811
Siemens AG, ADR	182,637	15,233,752
		51,761,038
Machinery – 1.6%		
Cummins, Inc.	17,595	4,313,590
Flowerserve Corp.	34,687	1,288,622
Stanley Black & Decker, Inc.	168,865	15,824,339
		21,426,551
Passenger airlines – 1.0%		
Southwest Airlines Company	360,833	13,065,763
		163,456,581
Information technology – 8.0%		
Communications equipment – 0.2%		
Cisco Systems, Inc.	58,169	3,009,664
Electronic equipment, instruments and components – 0.4%		
TE Connectivity, Ltd.	40,153	5,627,844
IT services – 0.5%		
Accenture PLC, Class A	22,100	6,819,618
Semiconductors and semiconductor equipment – 4.4%		
Applied Materials, Inc.	102,930	14,877,502
Qualcomm, Inc.	277,943	33,086,335
Texas Instruments, Inc.	68,455	12,323,269
		60,287,106
Software – 1.8%		
Microsoft Corp.	71,452	24,332,264
Technology hardware, storage and peripherals – 0.7%		
Samsung Electronics Company, Ltd.	186,084	10,246,387
		110,322,883
Materials – 3.5%		
Chemicals – 2.4%		
CF Industries Holdings, Inc.	326,840	22,689,233
DuPont de Nemours, Inc.	13,952	996,731
International Flavors & Fragrances, Inc.	68,828	5,478,021
RPM International, Inc.	43,700	3,921,201
		33,085,186
Containers and packaging – 1.1%		
International Paper Company	502,773	15,993,209
		49,078,395

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate – 4.2%		
Health care REITs – 0.1%		
Welltower, Inc.	26,273	\$ 2,125,223
Office REITs – 0.1%		
Vornado Realty Trust	42,393	769,009
Residential REITs – 1.5%		
Equity Residential	313,032	20,650,721
Specialized REITs – 2.5%		
Rayonier, Inc.	344,161	10,806,655
Weyerhaeuser Company	702,567	23,543,020
		34,349,675
		57,894,628
Utilities – 6.8%		
Electric utilities – 3.6%		
NextEra Energy, Inc.	60,937	4,521,525
PG&E Corp. (A)	114,800	1,983,744
The Southern Company	613,278	43,082,780
		49,588,049
Multi-utilities – 3.2%		
Ameren Corp.	97,513	7,963,887
Dominion Energy, Inc.	381,609	19,763,530
NiSource, Inc.	115,449	3,157,530
Sempra Energy	96,319	14,023,083
		44,908,030
		94,496,079
TOTAL COMMON STOCKS (Cost \$1,097,457,609)		\$ 1,332,300,317
PREFERRED SECURITIES – 2.4%		
Consumer discretionary – 1.9%		
Automobiles – 1.9%		
Dr. Ing. h.c. F. Porsche AG (C)	91,958	11,423,821
Volkswagen AG, ADR	1,113,317	14,929,581
		26,353,402
Utilities – 0.5%		
Electric utilities – 0.2%		
NextEra Energy, Inc., 6.926%	56,812	2,573,015
Multi-utilities – 0.3%		
NiSource, Inc., 7.750% (B)	41,667	4,239,617
		6,812,632
TOTAL PREFERRED SECURITIES (Cost \$32,168,014)		\$ 33,166,034
SHORT-TERM INVESTMENTS – 1.6%		
Short-term funds – 1.6%		
John Hancock Collateral Trust, 5.1773% (D)(E)	181,460	1,813,652
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (D)	2,248,450	2,248,450
T. Rowe Price Government Reserve Fund, 5.1068% (D)	17,939,902	17,939,902
TOTAL SHORT-TERM INVESTMENTS (Cost \$22,002,024)		\$ 22,002,004
Total Investments (Equity Income Trust) (Cost \$1,151,627,647) – 100.0%		\$ 1,387,468,355
Other assets and liabilities, net – 0.0%		276,511
TOTAL NET ASSETS – 100.0%		\$ 1,387,744,866
Security Abbreviations and Legend		
ADR	American Depositary Receipt	
(A)	Non-income producing security.	
(B)	All or a portion of this security is on loan as of 6-30-23.	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Equity Income Trust (continued)

- (C) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
- (D) The rate shown is the annualized seven-day yield as of 6-30-23.
- (E) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Financial Industries Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.2%		
Financials – 93.5%		
Banks – 47.3%		
1st Source Corp.	21,215	\$ 889,545
American Business Bank (A)	27,647	746,469
Atlantic Union Bankshares Corp.	39,153	1,016,020
Bank of America Corp.	85,222	2,445,019
Bank of Marin Bancorp	34,832	615,481
BayCom Corp.	27,880	465,038
BNP Paribas SA	36,419	2,298,256
Business First Bancshares, Inc.	32,931	496,270
California BanCorp (A)	27,567	413,505
Cambridge Bancorp	20,031	1,087,884
Citigroup, Inc.	23,905	1,100,586
Citizens Community Bancorp, Inc.	17,480	154,698
Citizens Financial Group, Inc.	64,502	1,682,212
Coastal Financial Corp. (A)	27,621	1,039,931
Comerica, Inc.	39,734	1,683,132
East West Bancorp, Inc.	43,562	2,299,638
Enterprise Bancorp, Inc.	13,298	384,844
ESSA Bancorp, Inc.	17,566	262,612
Evans Bancorp, Inc.	16,400	408,852
Fifth Third Bancorp	124,799	3,270,982
First Horizon Corp.	77,805	876,862
First Merchants Corp.	39,894	1,126,208
German American Bancorp, Inc.	17,755	482,581
HBT Financial, Inc.	43,717	806,141
Independent Bank Corp. (Massachusetts)	20,548	914,591
ING Groep NV	168,238	2,268,116
JPMorgan Chase & Co.	18,459	2,684,677
Landmark Bancorp, Inc.	13,402	292,164
M&T Bank Corp.	13,420	1,660,859
New York Community Bancorp, Inc.	44,817	503,743
Nicolet Bankshares, Inc.	18,576	1,261,496
Popular, Inc.	27,673	1,674,770
Premier Financial Corp.	37,350	598,347
Regions Financial Corp.	191,287	3,408,734
Stock Yards Bancorp, Inc.	26,036	1,181,253
Sumitomo Mitsui Financial Group, Inc.	61,300	2,627,282
The First Bancshares, Inc.	18,748	484,448
Timberland Bancorp, Inc.	9,366	239,582
TriCo Bancshares	39,093	1,297,888
U.S. Bancorp	66,584	2,199,935
Wells Fargo & Company	81,390	3,473,725
Westamerica BanCorp	7,721	295,714
		53,120,090
Capital markets – 21.2%		
AllianceBernstein Holding LP	43,655	1,403,945
Ameriprise Financial, Inc.	11,032	3,664,389
Ares Management Corp., Class A	28,964	2,790,681
Brookfield Asset Management, Ltd., Class A	19,024	620,753
Brookfield Corp.	43,338	1,458,324
Federated Hermes, Inc.	34,647	1,242,095
KKR & Company, Inc.	27,002	1,512,112

Financial Industries Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Morgan Stanley	36,948	\$ 3,155,359
Onex Corp.	25,461	1,406,289
S&P Global, Inc.	6,868	2,753,313
The Charles Schwab Corp.	43,164	2,446,536
Tradeweb Markets, Inc., Class A	20,465	1,401,443
		23,855,239
Consumer finance – 1.3%		
American Express Company	8,231	1,433,840
Financial services – 3.4%		
Berkshire Hathaway, Inc., Class B (A)	4,094	1,396,054
Visa, Inc., Class A	10,159	2,412,559
		3,808,613
Insurance – 20.3%		
Arch Capital Group, Ltd. (A)	38,246	2,862,713
Arthur J. Gallagher & Company	9,333	2,049,247
Chubb, Ltd.	4,323	832,437
James River Group Holdings, Ltd.	68,546	1,251,650
Markel Group, Inc. (A)	2,780	3,845,245
Reinsurance Group of America, Inc.	15,168	2,103,650
RenaissanceRe Holdings, Ltd.	9,686	1,806,633
Skyward Specialty Insurance Group, Inc. (A)	51,712	1,313,485
Swiss Re AG	11,551	1,163,911
The Allstate Corp.	10,538	1,149,064
The Travelers Companies, Inc.	10,577	1,836,802
Unum Group	55,169	2,631,561
		22,846,398
		105,064,180
Real estate – 2.7%		
Industrial REITs – 2.6%		
Prologis, Inc.	14,073	1,725,772
Rexford Industrial Realty, Inc.	23,283	1,215,838
		2,941,610
Specialized REITs – 0.1%		
Digital Realty Trust, Inc.	1,092	124,346
		3,065,956
TOTAL COMMON STOCKS (Cost \$113,091,279)		\$ 108,130,136
CONVERTIBLE BONDS - 0.6%		
Financials - 0.6%		
Redwood Trust, Inc. 7.750%, 06/15/2027	\$ 745,000	626,731
TOTAL CONVERTIBLE BONDS (Cost \$667,099)		\$ 626,731
CORPORATE BONDS - 0.4%		
Financials - 0.4%		
BNP Paribas SA 7.750%, (7.750% to 8-16-29, then 5 Year CMT + 4.899%), 08/16/2029 (B)(C)	508,000	491,693
TOTAL CORPORATE BONDS (Cost \$475,067)		\$ 491,693
SHORT-TERM INVESTMENTS – 2.3%		
Short-term funds – 2.3%		
John Hancock Collateral Trust, 5.1773% (D)(E)	259,281	2,591,461
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,591,592)		\$ 2,591,461
Total Investments (Financial Industries Trust) (Cost \$116,825,037) – 99.5%		\$ 111,840,021
Other assets and liabilities, net – 0.5%		560,050
TOTAL NET ASSETS – 100.0%		\$ 112,400,071

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Financial Industries Trust (continued)

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
(A)	Non-income producing security.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(C)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(D)	The rate shown is the annualized seven-day yield as of 6-30-23.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

Fundamental All Cap Core Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.6%		
Communication services – 10.8%		
Entertainment – 4.4%		
Liberty Media Corp.-Liberty Formula One, Series C (A)	879,216	\$ 66,187,380
Warner Brothers Discovery, Inc. (A)	2,225,617	27,909,237
		94,096,617
Interactive media and services – 6.4%		
Alphabet, Inc., Class A (A)	970,461	116,164,182
CarGurus, Inc. (A)	1,009,579	22,846,773
		139,010,955
		233,107,572
Consumer discretionary – 21.6%		
Broadline retail – 7.5%		
Amazon.com, Inc. (A)	1,235,425	161,050,002
Household durables – 5.6%		
Lennar Corp., A Shares	728,742	91,318,660
NVR, Inc. (A)	4,653	29,549,435
		120,868,095
Leisure products – 2.4%		
Polaris, Inc.	430,239	52,028,802
Specialty retail – 4.1%		
Dufry AG (A)	758,534	34,598,211
Group 1 Automotive, Inc.	211,352	54,549,951
		89,148,162
Textiles, apparel and luxury goods – 2.0%		
Canada Goose Holdings, Inc. (A)	1,570,807	27,960,365
Salvatore Ferragamo SpA	945,747	15,573,336
		43,533,701
		466,628,762
Consumer staples – 5.2%		
Beverages – 2.0%		
Anheuser-Busch InBev SA/NV, ADR	749,756	42,526,160
Consumer staples distribution and retail – 1.2%		
Walmart, Inc.	168,658	26,509,664
Food products – 0.8%		
The Hain Celestial Group, Inc. (A)	1,345,520	16,832,455
Personal care products – 1.2%		
BellRing Brands, Inc. (A)	687,428	25,159,865
		111,028,144
Energy – 4.4%		
Oil, gas and consumable fuels – 4.4%		
Cheniere Energy, Inc.	419,632	63,935,132
Suncor Energy, Inc.	1,084,617	31,800,970
		95,736,102

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financials – 15.6%		
Banks – 3.2%		
First Hawaiian, Inc.	3,868,945	\$ 69,679,699
Capital markets – 12.4%		
KKR & Company, Inc.	1,420,873	79,568,888
Morgan Stanley	815,099	69,609,455
S&P Global, Inc.	113,607	45,543,910
The Goldman Sachs Group, Inc.	221,679	71,500,345
		266,222,598
		335,902,297
Health care – 5.5%		
Biotechnology – 1.7%		
Alnylam Pharmaceuticals, Inc. (A)	66,386	12,609,357
Moderna, Inc. (A)	196,326	23,853,609
		36,462,966
Health care equipment and supplies – 0.7%		
Hologic, Inc. (A)	194,511	15,749,556
Health care providers and services – 1.8%		
Elevance Health, Inc.	87,481	38,866,933
Life sciences tools and services – 0.8%		
Thermo Fisher Scientific, Inc.	33,187	17,315,317
Pharmaceuticals – 0.5%		
Elanco Animal Health, Inc. (A)	1,038,264	10,444,936
		118,839,708
Industrials – 4.9%		
Electrical equipment – 1.4%		
Regal Rexnord Corp.	122,671	18,879,067
Sensata Technologies Holding PLC	238,291	10,720,712
		29,599,779
Machinery – 1.5%		
Parker-Hannifin Corp.	85,904	33,505,996
Trading companies and distributors – 2.0%		
United Rentals, Inc.	97,826	43,568,766
		106,674,541
Information technology – 26.0%		
Electronic equipment, instruments and components – 0.9%		
CDW Corp.	102,464	18,802,144
Semiconductors and semiconductor equipment – 7.1%		
Analog Devices, Inc.	394,181	76,790,401
NVIDIA Corp.	182,276	77,106,394
		153,896,795
Software – 13.4%		
Autodesk, Inc. (A)	150,927	30,881,173
Microsoft Corp.	75,181	25,602,138
Oracle Corp.	372,834	44,400,801
Roper Technologies, Inc.	73,961	35,560,449
Salesforce, Inc. (A)	397,578	83,992,328
Workday, Inc., Class A (A)	303,905	68,649,100
		289,085,989
Technology hardware, storage and peripherals – 4.6%		
Apple, Inc.	509,884	98,902,199
		560,687,127
Materials – 1.3%		
Chemicals – 1.3%		
Axalta Coating Systems, Ltd. (A)	867,475	28,461,855
Real estate – 4.3%		
Real estate management and development – 0.3%		
Five Point Holdings LLC, Class A (A)	2,415,981	6,982,185
Specialized REITs – 4.0%		
American Tower Corp.	103,452	20,063,481

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialized REITs (continued)		
Crown Castle, Inc.	575,024	\$ 65,518,235
		85,581,716
		92,563,901
TOTAL COMMON STOCKS (Cost \$1,486,987,937)		\$ 2,149,630,009
SHORT-TERM INVESTMENTS – 1.1%		
Short-term funds – 1.1%		
John Hancock Collateral Trust, 5.1773% (B)(C)	2,359,067	23,578,406
TOTAL SHORT-TERM INVESTMENTS (Cost \$23,580,470)		\$ 23,578,406
Total Investments (Fundamental All Cap Core Trust) (Cost \$1,510,568,407) – 100.7%		\$ 2,173,208,415
Other assets and liabilities, net – (0.7%)		(15,815,016)
TOTAL NET ASSETS – 100.0%		\$ 2,157,393,399

Security Abbreviations and Legend

ADR	American Depository Receipt
(A)	Non-income producing security.
(B)	The rate shown is the annualized seven-day yield as of 6-30-23.
(C)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

Fundamental Large Cap Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.4%		
Communication services – 8.6%		
Interactive media and services – 4.0%		
Alphabet, Inc., Class A (A)	156,690	\$ 18,755,793
Meta Platforms, Inc., Class A (A)	39,265	11,268,270
		30,024,063
Media – 4.6%		
Charter Communications, Inc., Class A (A)	18,020	6,620,007
Comcast Corp., Class A	674,965	28,044,796
		34,664,803
		64,688,866
Consumer discretionary – 8.4%		
Broadline retail – 1.7%		
eBay, Inc.	285,688	12,767,397
Household durables – 4.4%		
Lennar Corp., A Shares	263,321	32,996,755
Specialty retail – 2.3%		
CarMax, Inc. (A)	110,897	9,282,079
Dufry AG (A)	178,831	8,156,830
		17,438,909
		63,203,061
Consumer staples – 7.6%		
Beverages – 2.7%		
Anheuser-Busch InBev SA/NV, ADR	215,540	12,225,429
Heineken Holding NV	95,873	8,343,065
		20,568,494
Consumer staples distribution and retail – 3.4%		
Walmart, Inc.	164,542	25,862,712
Food products – 1.5%		
Danone SA	184,413	11,301,465
		57,732,671

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy – 6.3%		
Oil, gas and consumable fuels – 6.3%		
Cheniere Energy, Inc.	138,956	\$ 21,171,336
Chevron Corp.	66,988	10,540,562
Kinder Morgan, Inc.	199,703	3,438,886
Suncor Energy, Inc.	435,914	12,780,998
		47,931,782
Financials – 18.0%		
Banks – 7.4%		
Bank of America Corp.	467,176	13,403,279
Citigroup, Inc.	289,849	13,344,648
JPMorgan Chase & Co.	105,905	15,402,823
Wells Fargo & Company	326,109	13,918,332
		56,069,082
Capital markets – 10.1%		
KKR & Company, Inc.	486,089	27,220,984
Morgan Stanley	121,521	10,377,893
Nasdaq, Inc.	270,270	13,472,960
State Street Corp.	222,113	16,254,229
The Goldman Sachs Group, Inc.	27,447	8,852,755
		76,178,821
Consumer finance – 0.5%		
American Express Company	20,890	3,639,038
		135,886,941
Health care – 13.0%		
Biotechnology – 1.6%		
Gilead Sciences, Inc.	89,153	6,871,022
Moderna, Inc. (A)	43,526	5,288,409
		12,159,431
Health care equipment and supplies – 0.9%		
Hologic, Inc. (A)	81,458	6,595,654
Health care providers and services – 4.4%		
Elevance Health, Inc.	75,438	33,516,349
Life sciences tools and services – 1.5%		
Danaher Corp.	46,843	11,242,320
Pharmaceuticals – 4.6%		
Elanco Animal Health, Inc. (A)	939,416	9,450,525
GSK PLC, ADR	289,796	10,328,329
Merck & Company, Inc.	50,127	5,784,155
Novartis AG, ADR	92,943	9,378,878
		34,941,887
		98,455,641
Industrials – 14.6%		
Aerospace and defense – 3.9%		
Airbus SE	67,136	9,706,642
L3Harris Technologies, Inc.	30,304	5,932,614
Raytheon Technologies Corp.	143,230	14,030,811
		29,670,067
Electrical equipment – 0.9%		
Sensata Technologies Holding PLC	162,252	7,299,717
Machinery – 6.0%		
Fortive Corp.	177,176	13,247,450
Parker-Hannifin Corp.	81,842	31,921,654
		45,169,104
Trading companies and distributors – 3.8%		
United Rentals, Inc.	64,249	28,614,577
		110,753,465

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Information technology – 15.3%		
Electronic equipment, instruments and components – 1.9%		
Vontier Corp.	442,154	\$ 14,241,780
IT services – 1.1%		
Cognizant Technology Solutions Corp., Class A	124,382	8,119,657
Semiconductors and semiconductor equipment – 2.9%		
Analog Devices, Inc.	63,959	12,459,853
KLA Corp.	10,550	5,116,961
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	43,885	4,428,874
		22,005,688
Software – 8.3%		
Microsoft Corp.	63,508	21,627,014
Oracle Corp.	347,772	41,416,167
		63,043,181
Technology hardware, storage and peripherals – 1.1%		
Samsung Electronics Company, Ltd.	157,290	8,660,896
		116,071,202
Materials – 2.2%		
Chemicals – 2.2%		
Axalta Coating Systems, Ltd. (A)	290,592	9,534,324
LyondellBasell Industries NV, Class A	73,401	6,740,414
		16,274,738
Real estate – 2.4%		
Specialized REITs – 2.4%		
American Tower Corp.	38,711	7,507,611
Crown Castle, Inc.	95,795	10,914,882
		18,422,493
TOTAL COMMON STOCKS (Cost \$558,776,951)		\$ 729,420,860
ESCROW CERTIFICATES - 0.0%		
Sino-Forest Corp. (A)(B)	\$ 3,244,100	0
TOTAL ESCROW CERTIFICATES (Cost \$3)		\$ 0
SHORT-TERM INVESTMENTS – 3.8%		
Short-term funds – 3.8%		
John Hancock Collateral Trust, 5.1773% (C)(D)	2,921,102	29,195,835
TOTAL SHORT-TERM INVESTMENTS (Cost \$29,196,770)		\$ 29,195,835
Total Investments (Fundamental Large Cap Value Trust) (Cost \$587,973,724) – 100.2%		\$ 758,616,695
Other assets and liabilities, net – (0.2%)		(1,714,534)
TOTAL NET ASSETS – 100.0%		\$ 756,902,161

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

Global Equity Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.2%		
France - 15.4%		
Air Liquide SA	20,148	\$ 3,613,252

Global Equity Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Capgemini SE	46,878	\$ 8,876,022
Carrefour SA	241,965	4,585,424
Cie de Saint-Gobain	117,882	7,177,428
Cie Generale des Etablissements Michelin SCA	75,580	2,235,763
Sanofi	73,806	7,945,663
Thales SA	30,689	4,598,111
TotalEnergies SE	103,028	5,914,299
		44,945,962
Ireland - 4.6%		
Accenture PLC, Class A	21,665	6,685,386
CRH PLC	120,728	6,677,998
		13,363,384
Japan - 9.2%		
FANUC Corp.	143,355	5,032,570
Mitsubishi Estate Company, Ltd.	225,769	2,682,209
Sumitomo Mitsui Financial Group, Inc.	260,400	11,160,600
Sumitomo Mitsui Trust Holdings, Inc.	78,400	2,781,286
Tokyo Electric Power Company Holdings, Inc. (A)	1,435,000	5,263,325
		26,919,990
Netherlands - 6.2%		
Heineken NV	38,248	3,933,305
ING Groep NV	627,272	8,456,650
Koninklijke Ahold Delhaize NV	84,562	2,882,982
Stellantis NV	163,240	2,869,896
		18,142,833
Spain - 1.4%		
Amadeus IT Group SA (A)	52,400	3,990,290
Switzerland - 2.3%		
Chubb, Ltd.	19,178	3,692,916
Roche Holding AG	9,508	2,904,409
		6,597,325
United Kingdom - 2.0%		
Amcor PLC	141,316	1,410,334
Amcor PLC, CHESS Depository Interest	156,691	1,555,102
Reckitt Benckiser Group PLC	37,288	2,802,231
		5,767,667
United States - 55.1%		
Alphabet, Inc., Class A (A)	87,851	10,515,765
Apple, Inc.	52,047	10,095,557
Arthur J. Gallagher & Company	20,842	4,576,278
AutoZone, Inc. (A)	2,733	6,814,353
Bank of America Corp.	104,345	2,993,658
Cisco Systems, Inc.	113,900	5,893,186
ConocoPhillips	68,575	7,105,056
Corteva, Inc.	51,468	2,949,116
Darden Restaurants, Inc.	21,942	3,666,069
Electronic Arts, Inc.	33,591	4,356,753
Elevance Health, Inc.	12,738	5,659,366
FMC Corp.	52,658	5,494,336
Intercontinental Exchange, Inc.	42,719	4,830,665
Johnson & Johnson	17,435	2,885,841
Lowe's Companies, Inc.	23,597	5,325,843
McKesson Corp.	7,232	3,090,306
Microsoft Corp.	51,531	17,548,364
Oracle Corp.	68,206	8,122,653
Otis Worldwide Corp.	63,410	5,644,124
Philip Morris International, Inc.	90,233	8,808,545
T-Mobile US, Inc. (A)	33,939	4,714,127
UnitedHealth Group, Inc.	6,301	3,028,513
Vertex Pharmaceuticals, Inc. (A)	17,776	6,255,552
Visa, Inc., Class A	25,207	5,986,158

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Global Equity Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
Walmart, Inc.	29,303	\$ 4,605,846
Waste Management, Inc.	30,566	5,300,756
Wells Fargo & Company	103,275	4,407,777
		160,674,563
TOTAL COMMON STOCKS (Cost \$252,708,020)		\$ 280,402,014
PREFERRED SECURITIES - 2.4%		
South Korea - 2.4%		
Samsung Electronics Company, Ltd.	158,212	7,179,551
TOTAL PREFERRED SECURITIES (Cost \$8,225,898)		\$ 7,179,551
ESCROW CERTIFICATES - 0.0%		
Texas Competitive Electric Holdings Company LLC (A)(B)	\$ 7,466,240	0
TOTAL ESCROW CERTIFICATES (Cost \$0)		\$ 0
SHORT-TERM INVESTMENTS - 1.2%		
Short-term funds - 1.2%		
Federated Government Obligations Fund, Institutional Class, 4.9086% (C)	3,485,204	3,485,204
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,485,204)		\$ 3,485,204
Total Investments (Global Equity Trust) (Cost \$264,419,122) - 99.8%		\$ 291,066,769
Other assets and liabilities, net - 0.2%		463,640
TOTAL NET ASSETS - 100.0%		\$ 291,530,409

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
 (C) The rate shown is the annualized seven-day yield as of 6-30-23.

Health Sciences Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.7%		
Consumer discretionary – 0.1%		
Specialty retail – 0.1%		
Warby Parker, Inc., Class A (A)	13,835	\$ 161,731
Health care – 98.6%		
Biotechnology – 29.9%		
Aadi Bioscience, Inc. (A)	5,700	38,988
AbbVie, Inc.	13,106	1,765,771
ACADIA Pharmaceuticals, Inc. (A)	37,638	901,430
ACELYRIN, Inc. (A)	12,033	251,490
ADC Therapeutics SA (A)	23,188	49,854
Agiros Pharmaceuticals, Inc. (A)	7,785	220,471
Akero Therapeutics, Inc. (A)	13,773	643,061
Alector, Inc. (A)	11,904	71,543
Allakos, Inc. (A)	23,363	101,863
Allogene Therapeutics, Inc. (A)	38,754	192,607
Alnylam Pharmaceuticals, Inc. (A)	23,193	4,405,278
Ambrx Biopharma, Inc., ADR (A)	12,474	205,322
Apellis Pharmaceuticals, Inc. (A)	49,968	4,552,085
Arcellx, Inc. (A)	6,100	192,882
Arcus Biosciences, Inc. (A)	8,005	162,582
Ardelyx, Inc. (A)	35,200	119,328
Argenx SE, ADR (A)	12,713	4,954,637
Ascendis Pharma A/S, ADR (A)	13,432	1,198,806
Aura Biosciences, Inc. (A)	10,426	128,761

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Avidity Biosciences, Inc. (A)	34,720	\$ 385,045
BeiGene, Ltd., ADR (A)	10,324	1,840,769
Bicycle Therapeutics PLC, ADR (A)	7,229	184,484
Biogen, Inc. (A)	4,251	1,210,897
Biohaven, Ltd. (A)	20,722	495,670
BioMarin Pharmaceutical, Inc. (A)	15,076	1,306,788
Biomea Fusion, Inc. (A)	1,300	28,535
Blueprint Medicines Corp. (A)	30,194	1,908,261
C4 Therapeutics, Inc. (A)	19,141	52,638
Celldex Therapeutics, Inc. (A)	7,922	268,793
Centessa Pharmaceuticals PLC, ADR (A)	18,009	111,476
Cerevel Therapeutics Holdings, Inc. (A)	34,922	1,110,170
Crinetics Pharmaceuticals, Inc. (A)	6,100	109,922
CRISPR Therapeutics AG (A)	5,351	300,405
CureVac NV (A)	38,697	403,223
Cytokinetics, Inc. (A)	9,236	301,278
Day One Biopharmaceuticals, Inc. (A)	12,941	154,516
Denali Therapeutics, Inc. (A)	20,963	618,618
Disc Medicine, Inc. (A)	1,102	48,929
Entrada Therapeutics, Inc. (A)	11,625	176,003
Exact Sciences Corp. (A)	26,741	2,510,980
Exelixis, Inc. (A)	41,868	800,097
Fate Therapeutics, Inc. (A)	21,179	100,812
Generation Bio Company (A)	37,692	207,306
Genmab A/S (A)	3,843	1,456,334
Gossamer Bio, Inc. (A)	18,700	22,440
Ideaya Biosciences, Inc. (A)	7,235	170,023
IGM Biosciences, Inc. (A)	12,995	119,944
Immatics NV (A)	12,569	145,046
Immuneering Corp., Class A (A)	29,676	300,915
Immunocore Holdings PLC, ADR (A)	29,785	1,785,909
ImmunoGen, Inc. (A)	19,200	362,304
Immunome, Inc. (A)	1,179	9,326
Incyte Corp. (A)	13,173	820,019
Insmed, Inc. (A)	46,329	977,542
Intellia Therapeutics, Inc. (A)	7,787	317,554
Ionis Pharmaceuticals, Inc. (A)	18,933	776,821
Iovance Biotherapeutics, Inc. (A)	34,948	246,034
Karuna Therapeutics, Inc. (A)	12,894	2,796,064
Keros Therapeutics, Inc. (A)	5,200	208,936
Kodiak Sciences, Inc. (A)	6,947	47,934
Krystal Biotech, Inc. (A)	4,231	496,719
Kymera Therapeutics, Inc. (A)	17,197	395,359
Leap Therapeutics, Inc. (A)	283	887
Legend Biotech Corp., ADR (A)	27,245	1,880,722
LianBio, ADR (A)	38,982	88,879
Lyell Immunopharma, Inc. (A)	84,468	268,608
Mirati Therapeutics, Inc. (A)	14,066	508,205
Moderna, Inc. (A)	7,479	908,699
Monte Rosa Therapeutics, Inc. (A)	27,152	185,991
MoonLake Immunotherapeutics (A)	16,782	855,882
Morphic Holding, Inc. (A)	11,054	633,726
Neurocrine Biosciences, Inc. (A)	5,683	535,907
Nuvalent, Inc., Class A (A)	5,848	246,610
Prelude Therapeutics, Inc. (A)	17,428	78,426
Prime Medicine, Inc. (A)	12,784	187,286
Protagonist Therapeutics, Inc. (A)	10,900	301,058
Prothena Corp. PLC (A)	13,927	950,936
PTC Therapeutics, Inc. (A)	15,659	636,852
RAPT Therapeutics, Inc. (A)	15,712	293,814
Regeneron Pharmaceuticals, Inc. (A)	12,631	9,075,879
Relay Therapeutics, Inc. (A)	52,581	660,417
Replimune Group, Inc. (A)	26,425	613,589
REVOLUTION Medicines, Inc. (A)	28,781	769,892
Rocket Pharmaceuticals, Inc. (A)	10,947	217,517

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Sage Therapeutics, Inc. (A)	3,940	\$ 185,259
Sana Biotechnology, Inc. (A)	35,407	211,026
Sarepta Therapeutics, Inc. (A)	9,619	1,101,568
Scholar Rock Holding Corp. (A)	37,540	283,052
Senti Biosciences, Inc. (A)	18,789	11,717
SpringWorks Therapeutics, Inc. (A)	12,281	322,008
Stoke Therapeutics, Inc. (A)	8,627	91,705
Tenaya Therapeutics, Inc. (A)	24,566	144,202
TG Therapeutics, Inc. (A)	4,073	101,173
Twist Bioscience Corp. (A)	8,130	166,340
Ultragenyx Pharmaceutical, Inc. (A)	23,465	1,082,440
uniQure NV (A)	5,500	63,030
Vaxcyte, Inc. (A)	14,322	715,241
Vertex Pharmaceuticals, Inc. (A)	22,309	7,850,760
Vir Biotechnology, Inc. (A)	5,600	137,368
Voyager Therapeutics, Inc. (A)	13,035	149,251
Xencor, Inc. (A)	16,855	420,869
Zai Lab, Ltd., ADR (A)	23,011	638,095
Zentalis Pharmaceuticals, Inc. (A)	15,240	429,920
		80,252,403
Health care equipment and supplies – 17.6%		
Baxter International, Inc.	11,487	523,348
Becton, Dickinson and Company	15,541	4,102,979
Boston Scientific Corp. (A)	24,324	1,315,685
DexCom, Inc. (A)	17,756	2,281,824
Hologic, Inc. (A)	27,391	2,217,849
Inari Medical, Inc. (A)	13,644	793,262
Insulet Corp. (A)	7,239	2,087,293
Intuitive Surgical, Inc. (A)	30,938	10,578,940
iRhythm Technologies, Inc. (A)	4,511	470,588
Lantheus Holdings, Inc. (A)	9,743	817,633
Nevro Corp. (A)	6,319	160,629
Novocure, Ltd. (A)	26,243	1,089,085
Orchestra BioMed Holdings, Inc. (A)	13,354	93,478
Penumbra, Inc. (A)	13,857	4,767,639
PROCEPT BioRobotics Corp. (A)	14,857	525,195
QuidelOrtho Corp. (A)	5,001	414,383
Shockwave Medical, Inc. (A)	9,312	2,657,738
STERIS PLC	3,191	717,911
Stryker Corp.	25,167	7,678,200
Teleflex, Inc.	5,151	1,246,697
The Cooper Companies, Inc.	2,099	804,820
Zimmer Biomet Holdings, Inc.	12,353	1,798,597
		47,143,773
Health care providers and services – 18.5%		
agilon health, Inc. (A)	56,156	973,745
Alignment Healthcare, Inc. (A)	25,979	149,379
AmerisourceBergen Corp.	3,223	620,202
Centene Corp. (A)	34,191	2,306,183
Elevance Health, Inc.	17,788	7,903,031
GeneDx Holdings Corp. (A)	918	5,471
Guardant Health, Inc. (A)	28,256	1,011,565
HCA Healthcare, Inc.	9,988	3,031,158
Humana, Inc.	10,438	4,667,143
McKesson Corp.	1,873	800,352
Molina Healthcare, Inc. (A)	13,022	3,922,747
Option Care Health, Inc. (A)	13,198	428,803
Privia Health Group, Inc. (A)	16,995	443,739
Surgery Partners, Inc. (A)	21,120	950,189
The Cigna Group	11,681	3,277,689
UnitedHealth Group, Inc.	39,923	19,188,591
		49,679,987
Health care technology – 1.2%		
Doximity, Inc., Class A (A)	23,993	816,242

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care technology (continued)		
Schrodinger, Inc. (A)	11,900	\$ 594,048
Sophia Genetics SA (A)	26,245	117,578
Veeva Systems, Inc., Class A (A)	8,746	1,729,347
		3,257,215
Life sciences tools and services – 13.3%		
10X Genomics, Inc., Class A (A)	23,007	1,284,711
Adaptive Biotechnologies Corp. (A)	14,293	95,906
Agilent Technologies, Inc.	32,103	3,860,386
Avantor, Inc. (A)	60,069	1,233,817
Bio-Techne Corp.	11,108	906,746
Bruker Corp.	21,940	1,621,805
Charles River Laboratories International, Inc. (A)	5,882	1,236,691
Danaher Corp.	21,659	5,198,160
Evotec SE (A)	12,592	283,654
ICON PLC (A)	1,200	300,240
Illumina, Inc. (A)	3,223	604,280
IQVIA Holdings, Inc. (A)	3,824	859,520
Mettler-Toledo International, Inc. (A)	764	1,002,093
Olink Holding AB, ADR (A)	39,426	739,238
Pacific Biosciences of California, Inc. (A)	54,894	730,090
Repligen Corp. (A)	4,976	703,905
Seer, Inc. (A)	19,716	84,187
Thermo Fisher Scientific, Inc.	23,238	12,124,427
West Pharmaceutical Services, Inc.	6,488	2,481,465
WuXi Biologics Cayman, Inc. (A)(B)	57,500	276,348
		35,627,669
Pharmaceuticals – 18.1%		
Arvinas, Inc. (A)	11,123	276,073
Astellas Pharma, Inc.	67,800	1,009,710
AstraZeneca PLC, ADR	121,176	8,672,566
Avadel Pharmaceuticals PLC, ADR (A)	1,800	29,664
Catalent, Inc. (A)	19,202	832,599
Daiichi Sankyo Company, Ltd.	45,300	1,439,374
Eli Lilly & Company	35,137	16,478,545
Longboard Pharmaceuticals, Inc. (A)	10,952	80,388
Merck & Company, Inc.	94,292	10,880,354
Novo Nordisk A/S, ADR	12,079	1,954,745
Nuvation Bio, Inc. (A)	10,300	18,540
Pfizer, Inc.	66,443	2,437,129
Pliant Therapeutics, Inc. (A)	11,373	206,079
Reata Pharmaceuticals, Inc., Class A (A)	1,300	132,548
Relmada Therapeutics, Inc. (A)	2,400	5,904
Roche Holding AG	6,468	1,975,779
Royalty Pharma PLC, Class A	29,588	909,535
Structure Therapeutics, Inc., ADR (A)	11,963	497,302
Theseus Pharmaceuticals, Inc. (A)	20,251	188,942
Ventyx Biosciences, Inc. (A)	18,518	607,390
		48,633,166
		264,594,213
Materials – 0.0%		
Chemicals – 0.0%		
Ginkgo Bioworks Holdings, Inc. (A)	78,858	146,676
TOTAL COMMON STOCKS (Cost \$213,076,432)		\$ 264,902,620
PREFERRED SECURITIES – 0.5%		
Health care – 0.5%		
Life sciences tools and services – 0.5%		
Sartorius AG	3,530	1,222,999
TOTAL PREFERRED SECURITIES (Cost \$741,184)		\$ 1,222,999
WARRANTS – 0.0%		
EQRX, Inc. (Expiration Date: 12-20-26; Strike Price: \$11.50) (A)	4,502	724

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
WARRANTS (continued)		
GeneDx Holdings Corp. (Expiration Date: 7-22-26; Strike Price: \$11.50) (A)	4,862	\$ 35
SomaLogic, Inc. (Expiration Date: 8-31-26; Strike Price: \$11.50) (A)	2,050	513
TOTAL WARRANTS (Cost \$29,139)		\$ 1,272
SHORT-TERM INVESTMENTS – 1.2%		
Short-term funds – 1.2%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (C)	577,057	577,057
T. Rowe Price Government Reserve Fund, 5.1068% (C)	2,551,737	2,551,737
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,128,794)		\$ 3,128,794
Total Investments (Health Sciences Trust) (Cost \$216,975,549) – 100.4%		\$ 269,255,685
Other assets and liabilities, net – (0.4%)		(1,015,698)
TOTAL NET ASSETS – 100.0%		\$ 268,239,987

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.

International Equity Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.6%		
Australia - 4.7%		
Ampol, Ltd.	8,214	\$ 164,087
ANZ Group Holdings, Ltd.	103,645	1,640,682
APA Group	40,668	263,121
Aristocrat Leisure, Ltd.	20,772	537,432
ASX, Ltd.	6,673	280,821
Aurizon Holdings, Ltd.	63,445	165,985
BHP Group, Ltd.	172,549	5,187,173
BlueScope Steel, Ltd.	18,252	251,200
Brambles, Ltd.	49,445	475,443
Cochlear, Ltd.	2,361	361,725
Coles Group, Ltd.	45,978	564,560
Commonwealth Bank of Australia	57,629	3,858,086
Computershare, Ltd.	18,728	292,270
CSL, Ltd.	16,501	3,055,642
Dexus	39,487	205,642
EBOS Group, Ltd.	5,589	126,281
Endeavour Group, Ltd.	46,231	194,572
Fortescue Metals Group, Ltd.	58,369	866,123
Goodman Group	57,954	779,068
IDP Education, Ltd.	7,195	106,550
IGO, Ltd.	23,272	237,533
Insurance Australia Group, Ltd.	88,042	334,815
Lendlease Corp., Ltd.	25,385	131,709
Macquarie Group, Ltd.	12,682	1,509,007
Medibank Private, Ltd.	99,625	234,017
Mineral Resources, Ltd.	5,861	280,700
Mirvac Group	141,329	213,421
National Australia Bank, Ltd.	108,142	1,901,991
Newcrest Mining, Ltd.	30,415	542,557
Northern Star Resources, Ltd.	39,419	321,142

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Orica, Ltd.	18,991	\$ 188,140
Origin Energy, Ltd.	60,705	341,196
Pilbara Minerals, Ltd.	86,630	284,724
Qantas Airways, Ltd. (A)	31,854	132,007
QBE Insurance Group, Ltd.	50,892	531,356
Ramsay Health Care, Ltd.	6,710	252,097
REA Group, Ltd.	1,952	187,516
Reece, Ltd.	7,679	95,661
Rio Tinto, Ltd.	12,795	979,839
Santos, Ltd.	110,903	554,903
Scentre Group	178,901	316,389
SEEK, Ltd.	11,910	173,989
Sonic Healthcare, Ltd.	16,282	387,214
South32, Ltd.	112,851	284,114
South32, Ltd. (London Stock Exchange)	48,980	124,138
Stockland	87,409	234,981
Suncorp Group, Ltd.	43,519	391,029
Telstra Corp., Ltd.	142,830	409,737
The GPT Group	71,628	198,201
The Lottery Corp., Ltd.	82,609	283,206
Transurban Group	105,808	1,007,439
Treasury Wine Estates, Ltd.	26,341	197,536
Vicinity, Ltd.	148,057	182,335
Washington H. Soul Pattinson & Company, Ltd.	7,463	158,433
Wesfarmers, Ltd.	39,081	1,288,476
Westpac Banking Corp.	119,614	1,703,142
WiseTech Global, Ltd.	5,291	283,801
Woodside Energy Group, Ltd.	64,951	1,502,423
Woolworths Group, Ltd.	41,774	1,106,856
		38,864,233
Austria - 0.1%		
Erste Group Bank AG	11,747	412,061
OMV AG	5,543	235,368
Verbund AG	2,442	195,912
voestalpine AG	4,357	156,575
		999,916
Belgium - 0.5%		
Ageas SA/NV	6,383	258,763
Anheuser-Busch InBev SA/NV	29,951	1,697,550
D'iereen Group	850	150,438
Elia Group SA/NV	1,148	145,858
Groupe Bruxelles Lambert NV	3,809	300,278
KBC Group NV	8,597	600,079
Sofina SA	537	111,331
Solvay SA	2,508	280,445
UCB SA	4,152	368,111
Umicore SA	7,155	200,049
Warehouses De Pauw CVA	5,227	143,548
		4,256,450
Brazil - 1.1%		
Ambev SA	172,330	554,615
Atacadao SA	13,900	32,513
B3 SA - Brasil Bolsa Balcao	196,921	600,855
Banco Bradesco SA	51,324	156,924
Banco BTG Pactual SA	37,204	244,364
Banco do Brasil SA	28,713	296,233
Banco Santander Brasil SA	14,000	89,558
BB Seguridade Participacoes SA	24,400	156,800
CCR SA	40,100	117,665
Centrais Eletricas Brasileiras SA	41,047	340,758
Centrais Eletricas Brasileiras SA, ADR	1,429	13,475
Cia de Saneamento Basico do Estado de Sao Paulo	11,270	133,149

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Brazil (continued)		
Cia Siderurgica Nacional SA, ADR	11,800	\$ 30,562
Cosan SA	40,344	150,483
CPFL Energia SA	7,900	56,740
Energisa SA	6,100	63,953
Eneva SA (A)	29,700	76,108
Engie Brasil Energia SA	7,275	69,420
Equatorial Energia SA	34,881	234,206
Hapvida Participacoes e Investimentos SA (A)(B)	167,399	153,128
Hypera SA	14,108	135,564
JBS SA	34,073	124,246
Klabin SA	24,000	109,118
Localiza Rent a Car SA	20,383	291,599
Localiza Rent a Car SA, Additional Offering (A)	91	1,302
Lojas Renner SA	32,186	134,439
Magazine Luiza SA (A)	94,607	66,586
Natura & Company Holding SA (A)	26,929	94,146
Petroleo Brasileiro SA	125,929	870,525
PRIOR SA (A)	24,100	186,631
Raia Drogasil SA	37,336	230,806
Rede D'Or Sao Luiz SA (B)	13,400	92,128
Rumo SA	45,451	210,729
Sendas Distribuidora SA	24,690	70,901
Suzano SA	22,263	205,603
Suzano SA, ADR	3,164	29,172
Telefonica Brasil SA	9,652	87,223
Telefonica Brasil SA, ADR	6,017	54,935
TIM SA	28,020	85,555
TOTVS SA	17,746	111,112
Ultrapar Participacoes SA	25,400	100,206
Vale SA	115,150	1,544,408
Vibra Energia SA	44,000	165,866
WEG SA	56,116	442,417
		9,016,726
Canada - 7.5%		
Agnico Eagle Mines, Ltd.	16,140	805,934
Air Canada (A)	7,300	137,707
Algonquin Power & Utilities Corp. (C)	27,073	223,778
Alimentation Couche-Tard, Inc.	26,600	1,363,984
AltaGas, Ltd.	11,500	206,605
ARC Resources, Ltd.	23,500	313,452
Bank of Montreal	23,524	2,124,485
Barrick Gold Corp.	41,577	703,333
Barrick Gold Corp. (London Stock Exchange)	18,057	303,467
BCE, Inc.	2,924	133,315
Brookfield Asset Management, Ltd., Class A	12,268	400,429
Brookfield Corp. (A)	47,672	1,604,960
BRP, Inc.	1,300	109,898
CAE, Inc. (A)	12,000	268,579
Cameco Corp.	15,100	472,919
Canadian Apartment Properties REIT	3,400	130,533
Canadian Imperial Bank of Commerce	30,681	1,309,921
Canadian National Railway Company	19,500	2,361,344
Canadian Natural Resources, Ltd.	37,460	2,106,073
Canadian Pacific Kansas City, Ltd.	31,600	2,552,331
Canadian Tire Corp., Ltd., Class A	2,100	287,112
Canadian Utilities, Ltd., Class A	4,600	119,136
CCL Industries, Inc., Class B	5,400	265,445
Cenovus Energy, Inc.	47,972	814,773
CGI, Inc. (A)	7,200	759,268
Constellation Software, Inc.	700	1,450,336
Dollarama, Inc.	9,700	656,942

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Element Fleet Management Corp.	13,500	\$ 205,646
Emera, Inc.	9,500	391,259
Empire Company, Ltd., Class A	6,200	176,113
Enbridge, Inc.	69,000	2,564,680
Fairfax Financial Holdings, Ltd.	819	613,463
First Quantum Minerals, Ltd.	20,054	474,423
FirstService Corp.	1,500	231,010
Fortis, Inc.	16,881	727,485
Franco-Nevada Corp.	6,619	943,373
George Weston, Ltd.	2,399	283,624
GFL Environmental, Inc.	6,400	248,512
Gildan Activewear, Inc.	7,300	235,352
Great-West Lifeco, Inc.	9,900	287,490
Hydro One, Ltd. (B)	11,900	340,000
iA Financial Corp., Inc.	4,100	279,317
IGM Financial, Inc.	3,000	91,330
Imperial Oil, Ltd.	7,230	369,918
Intact Financial Corp.	6,200	957,273
Ivanhoe Mines, Ltd., Class A (A)	23,800	217,384
Keyera Corp.	8,500	196,018
Kinross Gold Corp.	45,229	215,775
Loblaw Companies, Ltd.	5,540	507,183
Lundin Mining Corp.	26,000	203,721
Magna International, Inc.	9,200	519,395
Manulife Financial Corp. (D)	64,200	1,213,488
Metro, Inc.	7,957	449,400
National Bank of Canada	11,500	856,803
Northland Power, Inc.	8,100	168,940
Nutrien, Ltd.	16,890	997,144
Nuvei Corp. (A)(B)	2,600	76,778
Onex Corp.	2,700	149,129
Open Text Corp.	9,700	403,450
Pan American Silver Corp.	12,300	179,196
Parkland Corp.	5,416	134,915
Pembina Pipeline Corp.	18,698	587,863
Power Corp. of Canada	20,512	552,148
Quebecor, Inc., Class B	6,400	157,735
RB Global, Inc.	6,100	366,069
Restaurant Brands International, Inc.	10,546	817,648
RioCan Real Estate Investment Trust	6,300	91,688
Rogers Communications, Inc., Class B	12,100	552,047
Royal Bank of Canada	47,000	4,488,726
Saputo, Inc.	9,100	203,878
Shopify, Inc., Class A (A)	40,500	2,617,558
Sun Life Financial, Inc.	20,600	1,073,890
Suncor Energy, Inc.	45,035	1,321,049
TC Energy Corp.	35,343	1,428,393
Teck Resources, Ltd., Class B	16,161	679,988
TELUS Corp.	17,590	342,306
TFI International, Inc.	2,700	307,614
The Bank of Nova Scotia	40,300	2,016,293
The Descartes Systems Group, Inc. (A)	2,900	232,306
The Toronto-Dominion Bank	61,695	3,823,949
Thomson Reuters Corp.	5,643	761,885
TMX Group, Ltd.	10,000	225,024
Toromont Industries, Ltd.	3,200	262,884
Tourmaline Oil Corp.	10,700	504,166
West Fraser Timber Company, Ltd.	2,100	180,412
Wheaton Precious Metals Corp.	15,570	673,339
WSP Global, Inc.	4,300	568,097
		62,732,001
Cayman Islands - 0.0%		
Parade Technologies, Ltd.	3,000	103,995
Chile - 0.1%		
Antofagasta PLC	15,127	281,309

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chile (continued)		
Banco de Chile	1,538,226	\$ 160,565
Banco Santander Chile, ADR	5,508	103,826
Cencosud SA	61,383	118,968
Empresas COPEC SA	13,196	97,930
Enel Americas SA (A)	726,053	96,888
Enel Chile SA, ADR	18,222	60,679
Sociedad Quimica y Minera de Chile SA, ADR (C)	4,430	321,707
		1,241,872
China - 6.8%		
37 Interactive Entertainment Network Technology Group Company, Ltd., Class A	4,700	22,608
3SBio, Inc. (A)(B)	40,500	40,754
AAC Technologies Holdings, Inc.	27,342	64,624
AECC Aviation Power Company, Ltd., Class A	3,600	20,984
Agricultural Bank of China, Ltd., Class A	165,700	80,571
Agricultural Bank of China, Ltd., H Shares	1,000,000	393,829
Aier Eye Hospital Group Company, Ltd., Class A	19,585	50,124
Air China, Ltd., H Shares (A)	84,534	60,388
Akeso, Inc. (A)(B)	16,000	72,575
Alibaba Group Holding, Ltd. (A)	544,400	5,667,120
Alibaba Group Holding, Ltd., ADR (A)	1,928	160,699
Aluminum Corp. of China, Ltd., A Shares	29,100	22,068
Aluminum Corp. of China, Ltd., H Shares	131,220	56,796
Anhui Conch Cement Company, Ltd., Class A	8,900	29,128
Anhui Conch Cement Company, Ltd., H Shares	44,290	117,837
Anhui Gujing Distillery Company, Ltd., B Shares (A)	3,600	62,078
Anhui Gujing Distillery Company, Ltd., Class A (A)	900	30,675
ANTA Sports Products, Ltd.	41,600	427,478
Autohome, Inc., ADR	2,600	75,816
AVIC Industry-Finance Holdings Company, Ltd., Class A	20,000	10,560
AviChina Industry & Technology Company, Ltd., H Shares	72,000	35,027
Baidu, Inc., Class A (A)	75,000	1,279,184
Bank of Beijing Company, Ltd., Class A	47,000	29,983
Bank of China, Ltd., Class A	78,100	42,048
Bank of China, Ltd., H Shares	2,720,563	1,092,286
Bank of Communications Company, Ltd., Class A	87,300	69,776
Bank of Communications Company, Ltd., H Shares	292,527	194,089
Bank of Hangzhou Company, Ltd., Class A	11,400	18,467
Bank of Jiangsu Company, Ltd., Class A (A)	33,410	33,867
Bank of Nanjing Company, Ltd., Class A	13,600	14,997
Bank of Ningbo Company, Ltd., Class A	13,750	47,982
Bank of Shanghai Company, Ltd., Class A	31,610	25,042
Baoshan Iron & Steel Company, Ltd., Class A	41,300	31,978
Beijing Capital International Airport Company, Ltd., H Shares (A)	52,789	34,260
Bilibili, Inc., ADR (A)	5,800	87,580
Bilibili, Inc., Class Z (A)	520	7,826
BOE Technology Group Company, Ltd., Class A	75,300	42,489
BYD Company, Ltd., Class A	4,000	142,656
BYD Company, Ltd., H Shares	33,605	1,077,533

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
BYD Electronic International Company, Ltd.	22,500	\$ 68,445
CGN Power Company, Ltd., H Shares (B)	364,000	87,905
Changchun High & New Technology Industry Group, Inc., Class A	800	15,047
China Cinda Asset Management Company, Ltd., H Shares	304,800	30,467
China CITIC Bank Corp., Ltd., H Shares	310,800	146,125
China Coal Energy Company, Ltd., H Shares	70,000	52,123
China Communications Services Corp., Ltd., H Shares	129,600	63,987
China Conch Venture Holdings, Ltd.	57,900	75,650
China Construction Bank Corp., Class A	15,400	13,281
China Construction Bank Corp., H Shares	3,285,914	2,127,378
China Eastern Airlines Corp., Ltd., Class A (A)	15,800	10,364
China Everbright Bank Company, Ltd., Class A (A)	88,600	37,465
China Everbright Bank Company, Ltd., H Shares	120,000	34,513
China Evergrande Group (A)	65,959	93
China Feihe, Ltd. (B)	119,000	66,422
China Galaxy Securities Company, Ltd., H Shares	129,500	69,320
China Greatwall Technology Group Company, Ltd., Class A	6,500	12,389
China Hongqiao Group, Ltd.	78,000	63,709
China Huishan Dairy Holdings Company, Ltd. (A)(E)	225,000	0
China International Capital Corp., Ltd., H Shares (B)	52,000	91,672
China Lesso Group Holdings, Ltd.	36,000	23,725
China Life Insurance Company, Ltd., Class A	4,500	21,696
China Life Insurance Company, Ltd., H Shares	255,624	427,911
China Literature, Ltd. (A)(B)	14,000	59,046
China Longyuan Power Group Corp., Ltd., H Shares	114,000	117,748
China Meidong Auto Holdings, Ltd.	18,000	20,859
China Merchants Bank Company, Ltd., Class A	45,900	207,507
China Merchants Bank Company, Ltd., H Shares	133,823	610,379
China Merchants Securities Company, Ltd., Class A	16,510	30,906
China Merchants Shekou Industrial Zone Holdings Company, Ltd., Class A	17,600	31,598
China Minsheng Banking Corp., Ltd., Class A	78,880	40,754
China Minsheng Banking Corp., Ltd., H Shares	194,496	72,007
China National Building Material Company, Ltd., H Shares	138,000	85,276
China National Nuclear Power Company, Ltd., Class A	20,900	20,310
China Oilfield Services, Ltd., H Shares	56,000	57,989
China Pacific Insurance Group Company, Ltd., Class A	14,000	50,153
China Pacific Insurance Group Company, Ltd., H Shares	94,100	244,299
China Petroleum & Chemical Corp., Class A	56,700	49,686

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Petroleum & Chemical Corp., H Shares	873,361	\$ 513,484
China Railway Group, Ltd., Class A	30,000	31,366
China Railway Group, Ltd., H Shares	144,000	95,282
China Resources Mixc Lifestyle Services, Ltd. (B)	23,400	116,559
China Shenhua Energy Company, Ltd., Class A	9,800	41,520
China Shenhua Energy Company, Ltd., H Shares	113,500	347,834
China Southern Airlines Company, Ltd., Class A (A)	13,800	11,463
China Southern Airlines Company, Ltd., H Shares (A)	64,000	36,232
China State Construction Engineering Corp., Ltd., Class A	93,340	73,802
China Three Gorges Renewables Group Company, Ltd., Class A	58,700	43,445
China Tourism Group Duty Free Corp., Ltd., Class A	4,300	65,631
China Tower Corp., Ltd., H Shares (B)	1,496,000	166,609
China Vanke Company, Ltd., Class A	21,600	41,703
China Vanke Company, Ltd., H Shares	56,900	76,650
China Yangtze Power Company, Ltd., Class A	48,900	148,534
Chinasoft International, Ltd. (A)	96,000	60,543
Chongqing Zhifei Biological Products Company, Ltd., Class A	4,650	28,363
CITIC Securities Company, Ltd., Class A	25,185	68,724
CITIC Securities Company, Ltd., H Shares	61,825	112,417
CITIC, Ltd.	207,967	249,007
CMOC Group, Ltd., Class A	28,400	20,896
CMOC Group, Ltd., H Shares	129,000	67,917
Contemporary Amperex Technology Company, Ltd., Class A	8,820	278,679
COSCO SHIPPING Holdings Company, Ltd., Class A	26,000	33,727
COSCO SHIPPING Holdings Company, Ltd., H Shares	119,600	108,114
Country Garden Holdings Company, Ltd. (A)	270,117	55,101
Country Garden Services Holdings Company, Ltd.	69,000	89,538
CRRC Corp., Ltd., H Shares	145,000	79,483
CSC Financial Company, Ltd., Class A	6,200	20,711
CSPC Pharmaceutical Group, Ltd.	303,120	263,799
Dali Foods Group Company, Ltd. (B)	73,000	32,656
Daqo New Energy Corp., ADR (A)	2,500	99,250
Dongfeng Motor Group Company, Ltd., H Shares	91,220	41,813
Dongyue Group, Ltd.	49,000	36,804
East Buy Holding, Ltd. (A)(B)	13,500	44,114
East Money Information Company, Ltd., Class A	30,896	60,612
Ecovacs Robotics Company, Ltd., Class A	2,300	24,680
ENN Energy Holdings, Ltd.	26,600	332,715
Eve Energy Company, Ltd., Class A	4,181	34,937
Everbright Securities Company, Ltd., Class A	8,700	19,076
Flat Glass Group Company, Ltd., H Shares	23,000	78,861
Focus Media Information Technology Company, Ltd., Class A	32,700	30,665
Foshan Haitian Flavouring & Food Company, Ltd., Class A	10,296	66,523
Fosun International, Ltd.	85,000	58,571

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Foxconn Industrial Internet Company, Ltd., Class A	6,400	\$ 22,200
Fuyao Glass Industry Group Company, Ltd., Class A	4,500	22,240
Fuyao Glass Industry Group Company, Ltd., H Shares (B)	20,800	86,278
Ganfeng Lithium Group Company, Ltd., Class A	3,360	28,330
Ganfeng Lithium Group Company, Ltd., H Shares (B)	12,039	78,963
GDS Holdings, Ltd., ADR (A)	3,400	37,366
GDS Holdings, Ltd., Class A (A)	2,800	3,839
Gemdale Corp., Class A	7,300	7,250
Genscript Biotech Corp. (A)	40,000	90,484
GF Securities Company, Ltd., Class A	13,200	26,807
GF Securities Company, Ltd., H Shares	47,800	66,084
GigaDevice Semiconductor, Inc., Class A	1,372	20,144
GoerTek, Inc., Class A	5,200	12,743
Great Wall Motor Company, Ltd., H Shares	104,500	120,354
Greentown China Holdings, Ltd.	29,000	29,170
Greentown Service Group Company, Ltd.	48,000	23,000
Guangdong Haid Group Company, Ltd., Class A	3,500	22,590
Guangzhou Automobile Group Company, Ltd., H Shares	100,310	59,969
Guangzhou Baiyunshan Pharmaceutical Holdings Company, Ltd., Class A	2,300	10,098
Guosen Securities Company, Ltd., Class A	6,600	7,949
Guotai Junan Securities Company, Ltd., Class A	16,700	32,228
H World Group, Ltd., ADR (A)	6,700	259,826
Haidilao International Holding, Ltd. (B)	38,000	84,034
Haier Smart Home Company, Ltd., Class A	13,600	44,015
Haier Smart Home Company, Ltd., H Shares	83,800	264,268
Haitian International Holdings, Ltd.	21,000	49,252
Haitong Securities Company, Ltd., Class A	18,000	22,885
Haitong Securities Company, Ltd., H Shares	113,200	69,517
Hangzhou First Applied Material Company, Ltd., Class A	5,488	28,140
Hangzhou Silan Microelectronics Company, Ltd., Class A	2,600	10,859
Hangzhou Tigermed Consulting Company, Ltd., A Shares (A)	1,700	15,130
Hangzhou Tigermed Consulting Company, Ltd., H Shares (B)	4,100	23,428
Hansoh Pharmaceutical Group Company, Ltd. (B)	40,000	64,492
Henan Shuanghui Investment & Development Company, Ltd., Class A	4,400	14,852
Hengan International Group Company, Ltd.	25,000	105,411
Hengli Petrochemical Company, Ltd., Class A (A)	9,500	18,783
Hithink RoyalFlush Information Network Company, Ltd., Class A	900	21,771
Hoyuan Green Energy Company, Ltd., Class A (A)	1,540	15,841
Hua Hong Semiconductor, Ltd. (A)(B)	20,000	65,810
Huadong Medicine Company, Ltd., Class A	2,800	16,737
Hualan Biological Engineering, Inc., Class A	4,030	12,460

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Huaneng Power International, Inc., H Shares (A)	149,436	\$ 93,691
Huatai Securities Company, Ltd., Class A	16,400	31,164
Huatai Securities Company, Ltd., H Shares (B)	48,800	60,453
Huaxia Bank Company, Ltd., Class A	28,500	21,249
Huayu Automotive Systems Company, Ltd., Class A	5,100	12,982
Hundsun Technologies, Inc., Class A	3,075	18,785
Hygeia Healthcare Holdings Company, Ltd. (B)	11,400	61,920
Iflytek Company, Ltd., Class A	9,600	89,933
Industrial & Commercial Bank of China, Ltd., Class A	120,000	79,690
Industrial & Commercial Bank of China, Ltd., H Shares	1,927,735	1,030,204
Industrial Bank Company, Ltd., Class A	46,200	99,756
Industrial Securities Company, Ltd., Class A	14,900	12,580
Ingenic Semiconductor Company, Ltd., Class A	2,800	34,139
Inner Mongolia BaoTou Steel Union Company, Ltd., Class A (A)	48,800	12,047
Inner Mongolia Yili Industrial Group Company, Ltd., Class A	13,600	53,068
Inner Mongolia Yitai Coal Company, Ltd., Class B	36,400	49,848
Innovent Biologics, Inc. (A)(B)	35,000	132,942
Inspur Electronic Information Industry Company, Ltd., Class A	3,248	21,708
iQIYI, Inc., ADR (A)	12,000	64,080
JA Solar Technology Company, Ltd., Class A	6,272	36,032
JD Health International, Inc. (A)(B)	38,200	242,640
JD Logistics, Inc. (A)(B)	67,000	104,906
JD.com, Inc., Class A	79,273	1,351,967
Jiangsu Expressway Company, Ltd., H Shares	41,145	37,944
Jiangsu Hengli Hydraulic Company, Ltd., Class A	2,960	26,250
Jiangsu Hengrui Pharmaceuticals Company, Ltd., Class A	14,198	93,732
Jiangsu King's Luck Brewery JSC, Ltd., Class A	2,800	20,386
Jiangsu Yanghe Brewery Joint-Stock Company, Ltd., Class A	3,400	61,554
Jiangxi Copper Company, Ltd., H Shares	39,075	60,402
Jiumaojiu International Holdings, Ltd. (B)	22,000	36,179
Kanzhun, Ltd., ADR (A)	2,900	43,645
KE Holdings, Inc., ADR (A)	22,300	331,155
Kingdee International Software Group Company, Ltd. (A)	89,000	119,513
Kingsoft Corp., Ltd.	32,800	129,644
Kuaihou Technology (A)(B)	78,500	539,543
Kweichow Moutai Company, Ltd., Class A	2,500	582,760
Lenovo Group, Ltd.	257,436	269,761
Lens Technology Company, Ltd., Class A	7,300	11,844
Lepu Medical Technology Beijing Company, Ltd., Class A	4,000	12,457
Li Auto, Inc., Class A (A)	38,000	657,932
Li Ning Company, Ltd.	80,500	434,715
Lingyi iTech Guangdong Company, Class A (A)	12,700	12,098
Longfor Group Holdings, Ltd. (B)	62,600	152,866

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
LONGi Green Energy Technology Company, Ltd., Class A	15,064	\$ 59,602
Lufax Holding, Ltd., ADR	28,800	41,184
Luxshare Precision Industry Company, Ltd., Class A	15,495	69,548
Luzhou Laojiao Company, Ltd., Class A	3,300	95,341
Mango Excellent Media Company, Ltd., Class A	3,300	15,590
Maxscend Microelectronics Company, Ltd., Class A	1,440	19,208
Meinian Onehealth Healthcare Holdings Company, Ltd., Class A (A)	8,300	8,139
Meituan, Class B (A)(B)	171,900	2,695,550
Metallurgical Corp. of China, Ltd., Class A	28,700	15,708
Microport Scientific Corp. (A)	25,019	45,508
MINISO Group Holding, Ltd., ADR	3,200	54,368
Minth Group, Ltd.	26,000	71,488
Muyuan Foods Company, Ltd., Class A (A)	9,282	53,893
NARI Technology Company, Ltd., Class A	17,798	56,675
NAURA Technology Group Company, Ltd., Class A	1,100	48,295
NetEase, Inc.	67,100	1,299,654
New China Life Insurance Company, Ltd., Class A	4,600	23,332
New China Life Insurance Company, Ltd., H Shares	29,500	77,955
New Hope Liuhe Company, Ltd., Class A (A)	6,800	10,942
New Oriental Education & Technology Group, Inc. (A)	51,000	201,030
NIO, Inc., ADR (A)	45,100	437,019
Nongfu Spring Company, Ltd., H Shares (B)	60,400	334,286
Orient Securities Company, Ltd., Class A	12,288	16,453
Perfect World Company, Ltd., Class A	4,350	10,129
PetroChina Company, Ltd., Class A	36,000	37,075
PetroChina Company, Ltd., H Shares	712,261	494,564
Pharmaron Beijing Company, Ltd., H Shares (B)	6,300	19,534
PICC Property & Casualty Company, Ltd., H Shares	252,363	280,995
Ping An Bank Company, Ltd., Class A	38,200	59,210
Ping An Healthcare and Technology Company, Ltd. (A)(B)	17,400	42,174
Ping An Insurance Group Company of China, Ltd., Class A	24,100	154,093
Ping An Insurance Group Company of China, Ltd., H Shares	214,790	1,371,846
Poly Developments and Holdings Group Company, Ltd., Class A	26,500	47,554
Pop Mart International Group, Ltd. (B)	19,200	42,806
Postal Savings Bank of China Company, Ltd., H Shares (B)	331,000	204,114
Power Construction Corp. of China, Ltd., Class A	20,500	16,219
Qifu Technology, Inc., ADR	2,900	50,112
Raytron Technology Company, Ltd., Class A	2,601	16,069
Rongsheng Petrochemical Company, Ltd., Class A	13,950	22,401
SAIC Motor Corp., Ltd., Class A	17,300	33,800
Sangfor Technologies, Inc., Class A (A)	700	10,944
Sany Heavy Equipment International Holdings Company, Ltd.	38,000	49,906

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Sany Heavy Industry Company, Ltd., Class A	18,600	\$ 42,643
Seazen Holdings Company, Ltd., Class A (A)	5,000	9,933
SF Holding Company, Ltd., Class A	10,100	62,776
Shaanxi Coal Industry Company, Ltd., Class A	13,400	33,589
Shandong Gold Mining Company, Ltd., Class A	5,880	19,094
Shandong Gold Mining Company, Ltd., H Shares (B)	21,500	39,518
Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	80,000	104,972
Shanghai Baosight Software Company, Ltd., Class B	27,456	72,582
Shanghai Fosun Pharmaceutical Group Company, Ltd., Class A (A)	3,200	13,650
Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares	17,500	46,883
Shanghai International Airport Company, Ltd., Class A (A)	1,600	10,024
Shanghai International Port Group Company, Ltd., Class A	13,700	9,918
Shanghai Lujiazui Finance & Trade Zone Development Company, Ltd., B Shares	39,240	24,410
Shanghai M&G Stationery, Inc., Class A	2,000	12,308
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	31,100	61,737
Shanghai Pudong Development Bank Company, Ltd., Class A	65,300	65,164
Shanxi Xinghuacun Fen Wine Factory Company, Ltd., Class A	1,960	49,999
Shengyi Technology Company, Ltd., Class A	5,100	9,982
Shennan Circuits Company, Ltd., Class A	1,120	11,641
Shenwan Hongyuan Group Company, Ltd., Class A	36,200	23,066
Shenzhen Inovance Technology Company, Ltd., Class A	5,550	49,193
Shenzhen Kangtai Biological Products Company, Ltd., Class A (A)	2,240	7,845
Shenzhen Mindray Bio-Medical Electronics Company, Ltd., Class A	2,500	103,455
Shenzhen Overseas Chinese Town Company, Ltd., Class A (A)	13,200	8,009
Shenzhou International Group Holdings, Ltd.	28,300	271,807
Sichuan Chuantou Energy Company, Ltd., Class A	9,800	20,325
Silergy Corp.	12,000	149,486
Sinopharm Group Company, Ltd., H Shares	42,800	133,985
Smooore International Holdings, Ltd. (B)	62,000	63,278
Songcheng Performance Development Company, Ltd., Class A	5,760	9,866
Sungrow Power Supply Company, Ltd., Class A	3,000	48,325
Sunny Optical Technology Group Company, Ltd.	24,400	244,649
TAL Education Group, ADR (A)	12,800	76,288
TCL Technology Group Corp., Class A (A)	23,980	13,028
TCL Zhonghuan Renewable Energy Technology Company, Ltd., Class A	8,250	37,760
Tencent Holdings, Ltd.	210,500	8,925,448

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Tencent Music Entertainment Group, ADR (A)	25,200	\$ 185,976
The People's Insurance Company Group of China, Ltd., H Shares	265,000	96,254
Thunder Software Technology Company, Ltd., Class A	900	11,974
Tingyi Cayman Islands Holding Corp.	76,000	118,340
Tongcheng Travel Holdings, Ltd. (A)	41,600	87,379
Tongwei Company, Ltd., Class A	6,200	29,348
Topsports International Holdings, Ltd. (B)	64,000	55,682
TravelSky Technology, Ltd., H Shares	31,000	52,810
Trip.com Group, Ltd., ADR (A)	18,900	661,500
Tsingtao Brewery Company, Ltd., H Shares	22,000	200,859
Unigroup Guoxin Microelectronics Company, Ltd., Class A	1,679	21,610
Uni-President China Holdings, Ltd.	46,000	38,792
Unisplendour Corp., Ltd., Class A	5,320	23,386
Vipshop Holdings, Ltd., ADR (A)	12,000	198,000
Walvax Biotechnology Company, Ltd., Class A	3,400	12,387
Wanhua Chemical Group Company, Ltd., Class A	7,000	84,703
Weibo Corp., ADR	2,390	31,333
Weichai Power Company, Ltd., Class A	9,600	16,502
Weichai Power Company, Ltd., H Shares	64,720	95,221
Wens Foodstuff's Group Company, Ltd., Class A	14,160	35,817
Will Semiconductor Company, Ltd., Class A	4,185	56,711
Wuliangye Yibin Company, Ltd., Class A	8,600	194,149
WUS Printed Circuit Kunshan Company, Ltd., Class A	4,180	12,074
WuXi AppTec Company, Ltd., Class A	5,544	47,678
WuXi AppTec Company, Ltd., H Shares (B)	12,106	97,023
WuXi Biologics Cayman, Inc. (A)(B)	122,500	588,742
Xiaomi Corp., Class B (A)(B)	522,200	717,991
Xinjiang Goldwind Science & Technology Company, Ltd., Class A	7,700	11,277
Xinyi Solar Holdings, Ltd.	172,835	200,661
XPeng, Inc., A Shares (A)	28,800	191,315
Xtep International Holdings, Ltd.	45,000	46,060
Yadea Group Holdings, Ltd. (B)	42,000	95,809
Yankuang Energy Group Company, Ltd., H Shares	49,990	143,527
Yihai International Holding, Ltd. (A)	16,000	34,463
Yonyou Network Technology Company, Ltd., Class A	5,200	14,691
Yum China Holdings, Inc. (New York Stock Exchange)	14,200	802,300
Yunda Holding Company, Ltd., Class A	3,120	4,114
Yunnan Baiyao Group Company, Ltd., Class A	3,920	28,351
Yunnan Energy New Material Company, Ltd., Class A (A)	1,800	23,967
Zai Lab, Ltd., ADR (A)	3,100	85,963
Zhangzhou Pientzhuang Pharmaceutical Company, Ltd., Class A	1,000	39,500
Zhaojin Mining Industry Company, Ltd., H Shares	40,000	50,472
Zhejiang Chint Electrics Company, Ltd., Class A	4,800	18,303
Zhejiang Dahua Technology Company, Ltd., Class A	4,800	13,085

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Zhejiang Expressway Company, Ltd., H Shares	49,718	\$ 37,831
Zhejiang Huayou Cobalt Company, Ltd., Class A	3,300	20,914
Zhejiang Jingsheng Mechanical & Electrical Company, Ltd., Class A	2,600	25,469
Zhejiang NHU Company, Ltd., Class A	6,912	14,670
Zhejiang Supor Company, Ltd., Class A	1,200	8,273
ZhongAn Online P&C Insurance Company, Ltd., H Shares (A)(B)	24,300	66,353
Zhongsheng Group Holdings, Ltd.	20,000	76,778
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	18,000	67,235
Zijin Mining Group Company, Ltd., Class A	27,800	43,694
Zijin Mining Group Company, Ltd., H Shares	193,469	286,505
Zoomlion Heavy Industry Science and Technology Company, Ltd., Class A	14,300	13,304
ZTE Corp., Class A	7,600	47,714
ZTE Corp., H Shares	25,887	104,043
ZTO Express Cayman, Inc., ADR	15,400	386,232
		57,062,220
Colombia - 0.0%		
Bancolombia SA, ADR	3,847	102,638
Czech Republic - 0.0%		
CEZ AS	5,524	228,328
Komerční banka AS	3,440	104,884
Moneta Money Bank AS (B)	17,731	64,923
		398,135
Denmark - 2.0%		
A.P. Møller - Maersk A/S, Series A	118	205,757
A.P. Møller - Maersk A/S, Series B	184	323,518
Carlsberg A/S, Class B	3,332	533,557
Chr. Hansen Holding A/S	4,006	278,491
Coloplast A/S, B Shares	4,020	503,048
Danske Bank A/S (A)	23,427	570,598
Demant A/S (A)	3,300	139,679
DSV A/S	6,299	1,323,052
Genmab A/S (A)	2,238	848,107
Novo Nordisk A/S, B Shares	56,226	9,082,739
Novozymes A/S, B Shares	7,605	354,842
Orsted A/S (B)	6,401	606,830
Pandora A/S	3,090	276,189
ROCKWOOL A/S, B Shares	352	91,030
Tryg A/S	13,079	283,239
Vestas Wind Systems A/S (A)	34,397	914,524
		16,335,200
Egypt - 0.0%		
Commercial International Bank Egypt SAE	103,464	171,598
Finland - 0.7%		
Elisa OYJ	4,868	259,876
Fortum OYJ	16,798	224,800
Kesko OYJ, B Shares	9,211	173,464
Kone OYJ, B Shares	11,833	618,212
Metso Corp.	22,595	272,648
Neste OYJ	14,709	566,346
Nokia OYJ	128,632	538,951
Nokia OYJ (Euronext Paris Exchange)	56,247	234,734
Nordea Bank ABP	1,569	17,091
Nordea Bank ABP (Nasdaq Stockholm Exchange)	108,931	1,186,550
Orion OYJ, Class B	3,379	140,232
Sampo OYJ, A Shares	15,562	698,929

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Finland (continued)		
Stora Enso OYJ, R Shares	20,482	\$ 237,632
UPM-Kymmene OYJ	18,128	540,158
Wartsila OYJ ABP	15,222	171,643
		5,881,266
France - 7.7%		
Accor SA	6,145	228,665
Aéroports de Paris	1,190	170,994
Air Liquide SA	17,904	3,210,823
Airbus SE	20,253	2,928,221
Alstom SA	12,058	359,941
Amundi SA (B)	2,415	142,675
Arkema SA	1,999	188,499
AXA SA	62,079	1,834,521
BioMérieux	1,432	150,357
BNP Paribas SA	37,731	2,381,057
Bolloré SE	32,561	203,060
Bouygues SA	8,158	274,056
Bureau Veritas SA	10,297	282,499
Capgemini SE	5,786	1,095,539
Carrefour SA	20,223	383,242
Cie de Saint-Gobain	16,663	1,014,553
Cie Generale des Etablissements Michelin SCA	23,852	705,576
Covivio SA	2,350	111,014
Credit Agricole SA	41,336	490,819
Danone SA	22,299	1,366,563
Dassault Aviation SA	980	196,345
Dassault Systemes SE	22,638	1,003,114
Edenred	8,717	583,904
Eiffage SA	2,487	259,665
Engie SA	62,212	1,036,014
EssilorLuxottica SA	10,220	1,927,193
Eurazeo SE	1,666	117,296
Gecina SA	1,814	193,515
Getlink SE	12,097	205,866
Hermes International	1,082	2,351,970
Ipsen SA	1,496	180,083
Kering SA	2,569	1,418,603
Klepierre SA	8,046	199,897
La Française des Jeux SAEM (B)	3,888	153,027
Legrand SA	9,062	898,988
L'Oréal SA	8,231	3,839,574
LVMH Moët Hennessy Louis Vuitton SE	9,344	8,810,595
Orange SA	63,009	736,353
Pernod Ricard SA	7,161	1,582,404
Publicis Groupe SA	7,760	622,790
Remy Cointreau SA	936	150,248
Renault SA	7,048	297,381
Safran SA	11,681	1,830,531
Sanofi	38,398	4,133,777
Sartorius Stedim Biotech	1,029	256,997
Schneider Electric SE (Euronext London Exchange)	17,968	3,264,375
SEB SA	623	113,647
Société Générale SA	1,019	105,380
Sodexo SA	24,614	640,119
Sodexo SA	3,211	353,588
Teleperformance	2,141	359,163
Thales SA	3,635	544,629
TotalEnergies SE	80,054	4,595,482
Unibail-Rodamco-Westfield (A)	3,595	189,616
Unibail-Rodamco-Westfield, CHES Depositary Interest (A)	7,913	20,401
Valeo	7,687	165,188
Veolia Environnement SA	23,848	754,921

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Vinci SA	17,984	\$ 2,089,663
Vivendi SE	24,474	224,684
Wendel SE	1,176	120,783
Worldline SA (A)(B)	8,877	325,077
		64,375,520
Germany - 5.1%		
adidas AG	5,518	1,071,201
Allianz SE	13,716	3,194,790
BASF SE	30,247	1,469,500
Bayer AG	33,683	1,864,529
Bayerische Motoren Werke AG	11,277	1,387,154
Bechtle AG	3,255	129,265
Beiersdorf AG	3,424	453,419
Brenntag SE	5,248	409,440
Carl Zeiss Meditec AG, Bearer Shares	1,435	155,188
Commerzbank AG	37,723	418,193
Continental AG	4,116	310,966
Covestro AG (A)(B)	7,081	368,444
Daimler Truck Holding AG	15,182	547,193
Delivery Hero SE (A)(B)	4,351	191,967
Deutsche Bank AG	65,587	689,503
Deutsche Boerse AG	6,468	1,194,090
Deutsche Lufthansa AG (A)	23,929	245,358
Deutsche Post AG	33,981	1,660,392
Deutsche Telekom AG	110,734	2,416,058
E.ON SE	76,314	974,868
Evonik Industries AG	8,081	153,982
Fresenius Medical Care AG & Company KGaA	6,818	325,841
Fresenius SE & Company KGaA	15,618	433,194
GEA Group AG	5,882	246,257
Hannover Rueck SE	1,990	422,475
Heidelberg Materials AG	4,919	404,533
HelloFresh SE (A)	4,739	117,208
Henkel AG & Company KGaA	3,884	273,412
Infineon Technologies AG	44,694	1,840,604
Knorr-Bremse AG	2,779	212,437
LEG Immobilien SE (A)	2,174	125,437
Mercedes-Benz Group AG	28,961	2,331,114
Merck KGaA	4,390	726,678
MTU Aero Engines AG	1,813	470,237
Muenchener Rueckversicherungs-Gesellschaft AG	4,786	1,796,729
Nemetschek SE	2,010	150,060
Puma SE	3,943	237,606
Rational AG	207	149,889
Rheinmetall AG	1,488	407,642
RWE AG	21,783	949,225
SAP SE	35,467	4,845,067
Scout24 SE (B)	2,538	160,823
Siemens AG	25,717	4,287,057
Siemens Energy AG (A)	15,127	267,473
Siemens Healthineers AG (B)	9,542	540,797
Symrise AG	4,743	497,317
Talanx AG	2,143	123,031
Telefonica Deutschland Holding AG	30,196	84,987
Volkswagen AG	999	166,982
Vonovia SE	21,505	419,986
Wacker Chemie AG	618	84,898
Zalando SE (A)(B)	5,865	169,142
		42,573,638
Greece - 0.1%		
Alpha Services and Holdings SA (A)	74,045	121,283
Eurobank Ergasias Services and Holdings SA (A)	85,715	141,223

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Greece (continued)		
FF Group (A)(E)	1,869	\$ 3,059
Hellenic Telecommunications Organization SA	8,503	145,768
JUMBO SA	3,913	107,626
Motor Oil Hellas Corinth Refineries SA	2,077	52,581
Mytilineos SA	3,417	120,639
National Bank of Greece SA (A)	18,750	121,883
OPAP SA	7,073	123,341
Public Power Corp. SA (A)	6,989	79,709
		1,017,112
Hong Kong - 2.3%		
AIA Group, Ltd.	394,000	4,001,661
Alibaba Health Information Technology, Ltd. (A)	162,000	98,034
Beijing Enterprises Holdings, Ltd.	19,786	71,785
Beijing Enterprises Water Group, Ltd.	198,000	47,101
BOC Hong Kong Holdings, Ltd.	132,328	405,364
Bosideng International Holdings, Ltd.	108,000	45,622
Budweiser Brewing Company APAC, Ltd. (B)	67,400	174,408
China Common Rich Renewable Energy Investments, Ltd. (A)(E)	428,695	11,762
China Everbright Environment Group, Ltd.	117,851	46,582
China Gas Holdings, Ltd.	104,200	119,505
China Jinmao Holdings Group, Ltd.	242,563	35,760
China Medical System Holdings, Ltd.	48,300	78,809
China Mengniu Dairy Company, Ltd. (A)	108,004	408,178
China Merchants Port Holdings Company, Ltd.	50,141	70,933
China Overseas Land & Investment, Ltd.	131,382	287,417
China Overseas Property Holdings, Ltd.	45,000	45,478
China Power International Development, Ltd.	185,000	68,244
China Resources Beer Holdings Company, Ltd.	55,979	369,922
China Resources Cement Holdings, Ltd.	88,000	36,401
China Resources Gas Group, Ltd.	30,000	102,882
China Resources Land, Ltd.	110,964	472,226
China Resources Power Holdings Company, Ltd.	68,244	154,570
China Ruyi Holdings, Ltd. (A)	156,000	36,767
China State Construction International Holdings, Ltd.	71,250	81,441
China Taiping Insurance Holdings Company, Ltd.	60,500	63,027
China Traditional Chinese Medicine Holdings Company, Ltd.	80,000	37,358
Chow Tai Fook Jewellery Group, Ltd.	80,800	145,700
CK Asset Holdings, Ltd.	73,046	405,899
CK Hutchison Holdings, Ltd.	97,163	593,019
CK Infrastructure Holdings, Ltd.	24,772	131,393
CLP Holdings, Ltd.	59,400	462,643
COSCO SHIPPING Ports, Ltd.	64,843	38,711
ESR Group, Ltd. (B)	75,200	129,513
Far East Horizon, Ltd.	66,000	52,354
Futu Holdings, Ltd., ADR (A)	1,700	67,558
Galaxy Entertainment Group, Ltd. (A)	80,000	509,657
GCL Technology Holdings, Ltd.	694,000	161,116
Geely Automobile Holdings, Ltd.	206,000	252,936
Guangdong Investment, Ltd.	99,220	85,700
Hang Lung Properties, Ltd.	74,326	115,017
Hang Seng Bank, Ltd.	27,319	389,449
Henderson Land Development Company, Ltd.	55,324	164,756
HKT Trust & HKT, Ltd.	145,233	169,105

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Hong Kong & China Gas Company, Ltd.	404,091	\$ 349,939
Hong Kong Exchanges & Clearing, Ltd.	41,214	1,561,558
Hongkong Land Holdings, Ltd.	44,100	172,442
Jardine Matheson Holdings, Ltd.	5,400	273,835
Kingboard Holdings, Ltd.	22,500	61,541
Kingboard Laminates Holdings, Ltd.	36,500	34,411
Kunlun Energy Company, Ltd.	134,000	105,560
Link REIT	90,646	504,637
MTR Corp., Ltd.	57,605	265,189
New World Development Company, Ltd.	57,618	142,406
Nine Dragons Paper Holdings, Ltd. (A)	55,000	33,958
Orient Overseas International, Ltd.	4,500	60,447
Power Assets Holdings, Ltd.	51,582	270,779
Prudential PLC	93,830	1,325,201
Shenzhen International Holdings, Ltd.	42,351	37,362
Shimao Group Holdings, Ltd. (A)(E)	41,500	21,068
Sino Biopharmaceutical, Ltd.	346,500	151,395
Sino Land Company, Ltd.	138,789	170,864
SITC International Holdings Company, Ltd.	52,000	95,221
Sun Hung Kai Properties, Ltd.	49,630	627,056
Swire Pacific, Ltd., Class A	18,163	139,540
Swire Properties, Ltd.	43,628	107,494
Techtronic Industries Company, Ltd.	49,500	541,313
Vinda International Holdings, Ltd.	12,000	29,914
Want Want China Holdings, Ltd.	163,000	108,411
WH Group, Ltd. (B)	320,343	170,606
Wharf Real Estate Investment Company, Ltd.	62,876	315,471
Xinyi Glass Holdings, Ltd.	71,000	110,996
Yuexiu Property Company, Ltd.	63,440	73,918
Yuexiu Real Estate Investment Trust	3,933	840
		19,109,135
Hungary - 0.1%		
MOL Hungarian Oil & Gas PLC	12,392	108,497
OTP Bank NYRT	7,225	256,852
Richter Gedeon NYRT	4,794	118,352
		483,701
India - 4.0%		
ABB India, Ltd.	1,809	97,622
ACC, Ltd.	2,508	55,613
Adani Enterprises, Ltd.	5,824	170,279
Adani Green Energy, Ltd. (A)	10,747	124,083
Adani Ports & Special Economic Zone, Ltd.	16,979	153,530
Adani Power, Ltd. (A)	26,354	80,565
Ambuja Cements, Ltd. (A)	22,913	119,488
Apollo Hospitals Enterprise, Ltd.	3,469	215,999
Asian Paints, Ltd.	12,839	526,898
AU Small Finance Bank, Ltd. (B)	5,380	49,604
Aurobindo Pharma, Ltd.	9,153	81,249
Avenue Supermarts, Ltd. (A)(B)	5,887	280,177
Axis Bank, Ltd.	80,176	966,109
Bajaj Auto, Ltd.	2,394	137,068
Bajaj Finance, Ltd.	9,199	806,120
Bajaj Finserv, Ltd.	13,150	245,457
Bajaj Holdings & Investment, Ltd.	912	77,920
Balkrishna Industries, Ltd.	2,904	83,765
Bandhan Bank, Ltd. (A)(B)	22,207	65,775
Bank of Baroda	35,251	81,983
Berger Paints India, Ltd.	8,085	67,026
Bharat Electronics, Ltd.	121,575	185,965
Bharat Forge, Ltd.	9,316	95,298
Bharat Petroleum Corp., Ltd.	29,814	132,779
Bharti Airtel, Ltd.	75,053	806,215

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Britannia Industries, Ltd.	3,618	\$ 221,867
CG Power & Industrial Solutions, Ltd.	20,819	95,879
Cholamandalam Investment and Finance Company, Ltd.	13,536	188,850
Cipla, Ltd.	18,101	223,736
Coal India, Ltd.	53,104	149,616
Colgate-Palmolive India, Ltd.	4,075	84,101
Container Corp. of India, Ltd.	9,153	73,884
Dabur India, Ltd.	21,327	149,459
Divi's Laboratories, Ltd.	4,431	194,069
DLF, Ltd.	20,605	123,473
Dr. Reddy's Laboratories, Ltd., ADR	3,708	234,012
Eicher Motors, Ltd.	4,712	206,229
GAIL India, Ltd., GDR	14,931	116,507
Godrej Consumer Products, Ltd. (A)	11,997	158,332
Godrej Properties, Ltd. (A)	4,161	79,832
Grasim Industries, Ltd.	8,313	176,017
Havells India, Ltd.	7,516	117,683
HCL Technologies, Ltd.	32,359	469,193
HDFC Life Insurance Company, Ltd. (B)	32,478	256,940
Hero MotoCorp, Ltd.	4,200	149,036
Hindalco Industries, Ltd.	45,795	236,127
Hindustan Aeronautics, Ltd.	2,829	130,662
Hindustan Petroleum Corp., Ltd.	20,412	68,152
Hindustan Unilever, Ltd.	27,831	909,221
Housing Development Finance Corp., Ltd.	58,802	2,027,607
ICICI Bank, Ltd.	94,927	1,086,120
ICICI Bank, Ltd., ADR	41,314	953,527
ICICI Lombard General Insurance Company, Ltd. (B)	8,559	140,039
ICICI Prudential Life Insurance Company, Ltd. (B)	11,948	83,828
Indian Oil Corp., Ltd.	97,345	108,431
Indian Railway Catering & Tourism Corp., Ltd.	7,983	61,828
Indraprastha Gas, Ltd.	10,515	60,714
Info Edge India, Ltd.	2,660	145,748
Infosys, Ltd., ADR	113,913	1,830,582
InterGlobe Aviation, Ltd. (A)(B)	3,319	106,639
ITC, Ltd.	101,934	561,942
Jindal Steel & Power, Ltd.	13,940	99,063
JSW Steel, Ltd.	20,449	195,814
Jubilant Foodworks, Ltd.	12,635	77,240
Kotak Mahindra Bank, Ltd.	36,972	832,244
Larsen & Toubro, Ltd.	23,070	697,424
LTIMindtree, Ltd. (B)	3,348	212,273
Lupin, Ltd.	7,740	84,928
Mahindra & Mahindra, Ltd., GDR	28,458	503,967
Marico, Ltd.	17,795	115,535
Maruti Suzuki India, Ltd.	4,543	542,780
Max Healthcare Institute, Ltd. (A)	26,284	192,501
Mphasis, Ltd.	2,804	65,101
MRF, Ltd.	64	78,897
Muthoot Finance, Ltd.	4,018	60,887
Nestle India, Ltd.	1,140	318,948
NTPC, Ltd.	133,259	307,529
Oil & Natural Gas Corp., Ltd.	90,136	176,485
Page Industries, Ltd.	194	89,425
Petronet LNG, Ltd.	21,320	58,053
PI Industries, Ltd.	2,778	132,696
Pidilite Industries, Ltd.	5,254	167,217
Power Grid Corp. of India, Ltd.	108,193	335,765
Reliance Industries, Ltd.	19,318	602,895
Reliance Industries, Ltd., GDR (B)	42,342	2,636,842
Samvardhana Motherson International, Ltd.	55,959	58,509

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Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
SBI Cards & Payment Services, Ltd.	7,827	\$ 81,149
SBI Life Insurance Company, Ltd. (B)	15,378	245,912
Shree Cement, Ltd.	373	108,748
Shriram Finance, Ltd.	6,993	148,476
Siemens, Ltd.	2,378	109,559
Sona BLW Precision Forgings, Ltd. (B)	13,867	87,460
SRF, Ltd.	4,927	137,996
State Bank of India, GDR	5,914	414,390
Sun Pharmaceutical Industries, Ltd.	32,788	420,429
Tata Consultancy Services, Ltd.	31,616	1,276,029
Tata Consumer Products, Ltd.	22,130	232,492
Tata Elxsi, Ltd.	1,170	108,523
Tata Motors, Ltd. (A)	56,196	409,335
Tata Steel, Ltd., GDR	23,852	318,181
Tech Mahindra, Ltd.	18,130	251,070
The Indian Hotels Company, Ltd.	29,101	139,638
The Tata Power Company, Ltd.	47,830	129,716
Titan Company, Ltd.	12,240	456,849
Torrent Pharmaceuticals, Ltd.	3,534	82,185
Trent, Ltd.	6,052	130,025
Tube Investments of India, Ltd.	3,625	140,852
TVS Motor Company, Ltd.	7,300	118,297
UltraTech Cement, Ltd.	2,456	248,504
UltraTech Cement, Ltd., GDR	1,026	103,740
United Spirits, Ltd. (A)	10,125	112,839
UPL, Ltd.	17,118	143,706
Varun Beverages, Ltd.	15,526	152,712
Vedanta, Ltd.	25,335	86,291
Wipro, Ltd., ADR	51,326	242,259
Yes Bank, Ltd. (A)	334,558	66,592
Zomato, Ltd. (A)	144,678	132,481
		33,165,922
Indonesia - 0.5%		
Adaro Energy Indonesia Tbk PT	315,000	46,881
Aneka Tambang Tbk	287,300	37,485
Astra International Tbk PT	679,000	307,980
Bank Central Asia Tbk PT	1,804,500	1,106,697
Bank Mandiri Persero Tbk PT	1,268,048	441,290
Bank Negara Indonesia Persero Tbk PT	276,500	169,647
Bank Rakyat Indonesia Persero Tbk PT	2,374,148	866,782
Barito Pacific Tbk PT	1,278,057	63,691
Charoen Pokphand Indonesia Tbk PT (A)	276,000	97,015
GoTo Gojek Tokopedia Tbk PT (A)	11,633,000	85,849
Indah Kiat Pulp & Paper Tbk PT	97,300	55,308
Indofood CBP Sukses Makmur Tbk PT	114,400	86,599
Indofood Sukses Makmur Tbk PT	147,500	72,326
Kalbe Farma Tbk PT	855,000	117,008
Merdeka Copper Gold Tbk PT (A)	511,905	104,792
Sarana Menara Nusantara Tbk PT	949,300	67,280
Semen Indonesia Persero Tbk PT	126,835	51,653
Sumber Alfaria Trijaya Tbk PT	567,500	97,787
Telkom Indonesia Persero Tbk PT	1,600,100	428,063
Telkom Indonesia Persero Tbk PT, ADR	358	9,548
Unilever Indonesia Tbk PT	332,500	94,663
United Tractors Tbk PT	55,279	85,732
Vale Indonesia Tbk PT	84,900	35,830
		4,529,906
Ireland - 0.9%		
AerCap Holdings NV (A)	4,600	292,192
AIB Group PLC	36,515	153,677
Bank of Ireland Group PLC	36,548	348,941
CRH PLC	25,406	1,401,584
DCC PLC	3,819	213,641
Experian PLC	31,438	1,206,624
Flutter Entertainment PLC (A)	505	101,637

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Ireland (continued)		
Flutter Entertainment PLC (London Stock Exchange) (A)	5,220	\$ 1,049,155
James Hardie Industries PLC, CHESS Depositary Interest (A)	15,679	418,253
Kerry Group PLC, Class A (London Stock Exchange)	5,738	554,533
Kingspan Group PLC	5,232	335,879
PDD Holdings, Inc., ADR (A)	17,100	1,182,294
Smurfit Kappa Group PLC	8,017	268,297
		7,526,707
Israel - 0.4%		
Azrieli Group, Ltd.	1,424	80,450
Bank Hapoalim BM	40,928	337,517
Bank Leumi Le-Israel BM	54,437	407,929
Check Point Software Technologies, Ltd. (A)	3,516	441,680
CyberArk Software, Ltd. (A)	1,300	203,229
Elbit Systems, Ltd.	908	190,056
ICL Group, Ltd.	27,153	149,037
Isracard, Ltd.	1	2
Israel Discount Bank, Ltd., Class A	41,515	207,402
Mizrahi Tefahot Bank, Ltd.	5,543	185,356
Nice, Ltd. (A)	2,200	452,798
Teva Pharmaceutical Industries, Ltd. (A)	33,126	250,857
Teva Pharmaceutical Industries, Ltd., ADR (A)	5,800	43,674
Tower Semiconductor, Ltd. (A)	3,727	137,672
Wix.com, Ltd. (A)	1,900	148,656
		3,236,315
Italy - 1.4%		
Amplifon SpA	4,902	179,805
Assicurazioni Generali SpA	34,297	697,465
Davide Campari-Milano NV	19,587	271,461
DiaSorin SpA	1,028	107,086
Enel SpA	277,871	1,873,529
Eni SpA	78,555	1,130,912
Ferrari NV	4,287	1,401,629
FincoBank Banca Fineco SpA	22,882	308,007
Infrastrutture Wireless Italiane SpA (B)	13,854	182,877
Intesa Sanpaolo SpA	548,923	1,439,143
Mediobanca Banca di Credito Finanziario SpA	18,680	223,647
Moncler SpA	6,970	482,240
Nexi SpA (A)(B)	17,962	140,926
Poste Italiane SpA (B)	17,679	191,516
Prysmian SpA	9,656	403,851
Recordati Industria Chimica e Farmaceutica SpA	3,551	169,642
Snam SpA	75,312	393,608
Telecom Italia SpA (A)	387,741	109,317
Terna - Rete Elettrica Nazionale	47,611	406,083
UniCredit SpA	62,390	1,450,794
		11,563,538
Japan - 14.6%		
Advantest Corp.	6,500	875,446
Aeon Company, Ltd.	24,100	493,484
AGC, Inc.	7,300	262,624
Aisin Corp.	4,600	142,052
Ajinomoto Company, Inc.	16,300	649,341
ANA Holdings, Inc. (A)	6,700	159,596
Asahi Group Holdings, Ltd.	16,700	647,957
Asahi Intecc Company, Ltd.	8,900	175,223
Asahi Kasei Corp.	46,700	316,209
Astellas Pharma, Inc.	63,300	942,694

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Azbil Corp.	4,200	\$ 132,930
Bandai Namco Holdings, Inc.	20,297	470,024
BayCurrent Consulting, Inc.	4,500	169,209
Bridgestone Corp.	19,300	792,877
Brother Industries, Ltd.	8,700	127,338
Canon, Inc.	33,800	888,489
Capcom Company, Ltd.	6,000	237,843
Central Japan Railway Company	4,900	613,928
Chubu Electric Power Company, Inc.	22,000	268,389
Chugai Pharmaceutical Company, Ltd.	22,700	646,474
Concordia Financial Group, Ltd.	39,100	152,876
CyberAgent, Inc.	14,400	105,267
Dai Nippon Printing Company, Ltd.	8,400	238,607
Daifuku Company, Ltd.	10,500	216,256
Dai-ichi Life Holdings, Inc.	34,000	646,677
Daiichi Sankyo Company, Ltd.	62,600	1,989,070
Daikin Industries, Ltd.	8,900	1,823,657
Daito Trust Construction Company, Ltd.	2,300	233,003
Daiwa House Industry Company, Ltd.	20,800	549,577
Daiwa House REIT Investment Corp.	78	149,553
Daiwa Securities Group, Inc.	45,100	232,401
Denso Corp.	14,700	991,546
Dentsu Group, Inc.	7,500	246,654
Disco Corp.	3,000	475,638
East Japan Railway Company	10,300	571,171
Eisai Company, Ltd.	8,800	596,412
ENEOS Holdings, Inc.	109,211	375,382
FANUC Corp.	32,500	1,140,934
Fast Retailing Company, Ltd.	6,000	1,538,849
Fuji Electric Company, Ltd.	4,600	202,515
FUJIFILM Holdings Corp.	12,200	726,915
Fujitsu, Ltd.	6,000	776,897
GLP J-REIT	165	162,747
GMO Payment Gateway, Inc.	1,500	117,659
Hakuhodo DY Holdings, Inc.	9,300	98,170
Hamamatsu Photonics KK	4,800	235,648
Hankyu Hanshin Holdings, Inc.	8,400	277,739
Hikari Tsushin, Inc.	800	114,825
Hirose Electric Company, Ltd.	1,223	162,823
Hitachi Construction Machinery Company, Ltd.	4,100	115,282
Hitachi, Ltd.	31,700	1,970,995
Honda Motor Company, Ltd.	52,100	1,578,310
Hoshizaki Corp.	3,800	136,430
Hoya Corp.	12,200	1,459,928
Hulic Company, Ltd.	15,600	133,668
Ibiden Company, Ltd.	3,600	204,831
Idemitsu Kosan Company, Ltd.	7,206	144,589
Iida Group Holdings Company, Ltd.	5,000	84,494
Inpex Corp.	32,800	360,356
Isuzu Motors, Ltd.	22,400	271,740
ITOCHU Corp.	40,600	1,612,695
Itochu Techno-Solutions Corp.	3,400	86,156
Japan Airlines Company, Ltd.	6,200	134,437
Japan Exchange Group, Inc.	18,100	316,723
Japan Metropolitan Fund Investment Corp.	259	173,293
Japan Post Bank Company, Ltd.	49,900	389,132
Japan Post Holdings Company, Ltd.	74,300	534,013
Japan Post Insurance Company, Ltd.	8,300	124,740
Japan Real Estate Investment Corp.	47	178,862
Japan Tobacco, Inc.	40,900	895,955
JFE Holdings, Inc.	18,300	261,627
JSR Corp.	6,000	172,417
Kajima Corp.	16,500	249,127
Kao Corp.	15,800	573,381

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Kawasaki Kisen Kaisha, Ltd. (A)	4,700	\$ 115,244
KDDI Corp.	50,600	1,562,686
Keio Corp.	3,700	116,389
Keisei Electric Railway Company, Ltd.	4,800	198,957
Keyence Corp.	6,596	3,134,134
Kikkoman Corp.	5,200	296,965
Kintetsu Group Holdings Company, Ltd.	6,200	214,720
Kirin Holdings Company, Ltd.	26,300	384,051
Kobayashi Pharmaceutical Company, Ltd.	1,800	97,873
Kobe Bussan Company, Ltd.	5,500	142,753
Koei Tecmo Holdings Company, Ltd.	3,900	67,554
Koito Manufacturing Company, Ltd.	7,000	127,030
Komatsu, Ltd.	32,000	865,537
Konami Group Corp.	3,700	194,032
Kose Corp.	1,200	115,355
Kubota Corp.	34,300	502,114
Kurita Water Industries, Ltd.	3,500	134,373
Kyocera Corp.	10,900	592,547
Kyowa Kirin Company, Ltd.	9,473	175,585
Lasertec Corp.	2,600	392,903
Lixil Corp.	9,000	114,553
M3, Inc.	16,200	353,235
Makita Corp.	7,800	220,477
Marubeni Corp.	52,800	899,924
MatsukiyoCocokara & Company	3,900	219,068
Mazda Motor Corp.	20,300	196,183
McDonald's Holdings Company Japan, Ltd.	2,600	101,105
MEIJI Holdings Company, Ltd.	7,400	165,248
MINEBEA MITSUMI, Inc.	12,500	237,083
MISUMI Group, Inc.	9,800	197,304
Mitsubishi Chemical Group Corp.	46,900	282,086
Mitsubishi Corp.	41,900	2,025,735
Mitsubishi Electric Corp.	66,500	940,100
Mitsubishi Estate Company, Ltd.	41,300	490,657
Mitsubishi HC Capital, Inc.	27,500	163,279
Mitsubishi Heavy Industries, Ltd.	11,700	546,452
Mitsubishi UFJ Financial Group, Inc.	386,400	2,848,183
Mitsui & Company, Ltd.	44,400	1,680,444
Mitsui Chemicals, Inc.	6,800	200,435
Mitsui Fudosan Company, Ltd.	30,800	613,887
Mitsui OSK Lines, Ltd.	12,000	288,710
Mizuho Financial Group, Inc.	82,110	1,255,090
MonotaRO Company, Ltd.	9,000	114,934
MS&AD Insurance Group Holdings, Inc.	15,500	548,891
Murata Manufacturing Company, Ltd.	19,600	1,125,842
NEC Corp.	8,800	426,910
Nexon Company, Ltd.	13,200	253,132
NGK Insulators, Ltd.	9,000	107,528
Nidec Corp.	14,100	776,987
Nintendo Company, Ltd.	35,200	1,604,709
Nippon Building Fund, Inc.	56	220,202
Nippon Express Holdings, Inc.	3,100	174,866
Nippon Paint Holdings Company, Ltd.	32,100	265,660
Nippon Prologis REIT, Inc.	80	160,784
Nippon Sanso Holdings Corp.	6,500	141,218
Nippon Shinyaku Company, Ltd.	1,700	69,553
Nippon Steel Corp.	27,800	581,834
Nippon Telegraph & Telephone Corp.	1,020,000	1,206,972
Nippon Yusen KK	18,000	399,756
Nissan Chemical Corp.	4,600	198,350
Nissan Motor Company, Ltd.	86,400	354,597
Nisshin Seifun Group, Inc.	7,400	91,470
Nissin Foods Holdings Company, Ltd.	2,200	181,907
Nitori Holdings Company, Ltd.	2,800	314,424

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nitto Denko Corp.	5,400	\$ 400,819
Nomura Holdings, Inc.	98,500	375,533
Nomura Real Estate Holdings, Inc.	4,500	106,986
Nomura Real Estate Master Fund, Inc.	151	174,161
Nomura Research Institute, Ltd.	12,546	346,614
NTT Data Corp.	22,500	315,470
Obayashi Corp.	22,500	194,588
Obic Company, Ltd.	2,600	417,322
Odakyu Electric Railway Company, Ltd.	10,900	146,057
Oji Holdings Corp.	30,000	112,172
Olympus Corp.	42,200	667,830
Omron Corp.	5,900	362,271
Ono Pharmaceutical Company, Ltd.	14,000	252,608
Open House Group Company, Ltd.	2,700	97,474
Oracle Corp.	1,500	111,560
Oriental Land Company, Ltd.	36,900	1,438,583
ORIX Corp.	41,400	754,979
Osaka Gas Company, Ltd.	13,800	211,524
Otsuka Corp.	3,800	148,016
Otsuka Holdings Company, Ltd.	13,600	498,871
Pan Pacific International Holdings Corp.	15,000	268,645
Panasonic Holdings Corp.	75,000	919,645
Persol Holdings Company, Ltd.	6,200	112,207
Rakuten Group, Inc.	29,700	103,491
Recruit Holdings Company, Ltd.	49,300	1,573,426
Renesas Electronics Corp. (A)	40,100	756,780
Resona Holdings, Inc.	78,000	373,462
Ricoh Company, Ltd.	18,600	158,507
Rohm Company, Ltd.	3,000	284,173
SBI Holdings, Inc.	9,513	183,467
SCSK Corp.	5,400	84,980
Secom Company, Ltd.	7,100	480,517
Seiko Epson Corp.	9,600	149,877
Sekisui Chemical Company, Ltd.	13,400	193,592
Sekisui House, Ltd.	21,400	432,271
Seven & i Holdings Company, Ltd.	25,700	1,110,296
SG Holdings Company, Ltd.	12,400	176,877
Sharp Corp. (A)	7,400	41,495
Shimadzu Corp.	9,000	278,178
Shimano, Inc.	2,600	435,259
Shimizu Corp.	21,600	136,758
Shin-Etsu Chemical Company, Ltd.	61,600	2,058,546
Shionogi & Company, Ltd.	9,700	409,141
Shiseido Company, Ltd.	13,600	616,484
Shizuoka Financial Group, Inc.	17,000	122,817
SMC Corp.	2,000	1,111,524
SoftBank Corp.	97,900	1,046,091
SoftBank Group Corp.	34,800	1,641,155
Sompo Holdings, Inc.	10,600	475,614
Sony Group Corp.	42,800	3,863,565
Square Enix Holdings Company, Ltd.	3,400	158,195
Subaru Corp.	23,000	433,177
SUMCO Corp.	12,900	183,015
Sumitomo Chemical Company, Ltd.	56,000	170,207
Sumitomo Corp.	38,300	812,534
Sumitomo Electric Industries, Ltd.	26,200	321,007
Sumitomo Metal Mining Company, Ltd.	9,200	296,996
Sumitomo Mitsui Financial Group, Inc.	44,700	1,915,817
Sumitomo Mitsui Trust Holdings, Inc.	11,300	400,874
Sumitomo Realty & Development Company, Ltd.	10,700	265,156
Suntory Beverage & Food, Ltd.	5,000	181,259
Suzuki Motor Corp.	13,600	493,174
Sysmex Corp.	6,200	424,681
T&D Holdings, Inc.	16,900	247,853

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Taisei Corp.	6,600	\$ 230,593
Takeda Pharmaceutical Company, Ltd.	51,376	1,614,365
TDK Corp.	13,200	514,864
Terumo Corp.	23,500	748,467
The Chiba Bank, Ltd.	21,600	130,986
The Kansai Electric Power Company, Inc.	24,300	304,878
TIS, Inc.	7,800	195,432
Tobu Railway Company, Ltd.	6,800	182,330
Toho Company, Ltd.	4,067	154,910
Tokio Marine Holdings, Inc.	61,000	1,406,268
Tokyo Electric Power Company Holdings, Inc. (A)	50,400	184,858
Tokyo Electron, Ltd.	15,300	2,203,636
Tokyo Gas Company, Ltd.	13,900	303,265
Tokyu Corp.	17,900	215,890
Toppan, Inc.	8,300	179,377
Toray Industries, Inc.	50,800	283,231
Toshiba Corp.	13,300	417,345
Tosoh Corp.	9,300	110,002
TOTO, Ltd.	4,800	145,135
Toyota Industries Corp.	5,200	372,550
Toyota Motor Corp.	358,900	5,768,273
Toyota Tsusho Corp.	7,900	394,811
Trend Micro, Inc.	4,600	222,670
Unicharm Corp.	13,700	509,433
USS Company, Ltd.	7,770	128,638
Welcia Holdings Company, Ltd.	3,400	70,819
West Japan Railway Company	8,200	341,055
Yakult Honsha Company, Ltd.	4,943	312,625
Yamaha Corp.	4,700	181,048
Yamaha Motor Company, Ltd.	10,100	290,357
Yamato Holdings Company, Ltd.	11,000	199,384
Yaskawa Electric Corp.	8,300	382,656
Yokogawa Electric Corp.	7,886	145,979
Z Holdings Corp.	99,300	239,322
ZOZO, Inc.	4,800	99,574
		121,336,591
Jordan - 0.0%		
Hikma Pharmaceuticals PLC	6,907	166,216
Luxembourg - 0.1%		
ArcelorMittal SA	16,337	445,742
Eurofins Scientific SE	4,949	314,499
Reinet Investments SCA	5,229	115,991
Tenaris SA	18,379	274,933
		1,151,165
Macau - 0.0%		
Sands China, Ltd. (A)	92,000	315,074
Malaysia - 0.4%		
AMMB Holdings BHD	59,087	45,906
Axiata Group BHD	101,690	57,834
CelcomDigi BHD	110,800	97,650
CIMB Group Holdings BHD	205,428	222,986
Dialog Group BHD	166,000	73,427
Gamuda BHD	62,500	58,984
Genting BHD	72,900	63,530
Genting Malaysia BHD	105,700	55,800
Hong Leong Bank BHD	23,269	94,648
Hong Leong Financial Group BHD	6,104	23,105
IHH Healthcare BHD	60,500	76,410
Inari Amertron BHD	98,100	57,862
IOI Corp. BHD	114,466	91,640
Kuala Lumpur Kepong BHD	17,415	82,107
Malayan Banking BHD	163,714	302,875
Malaysia Airports Holdings BHD	34,649	51,117

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Malaysia (continued)		
Maxis BHD	67,200	\$ 59,099
MISC BHD	45,780	70,289
Mr. D.I.Y Group M BHD (B)	80,550	27,483
Nestle Malaysia BHD	2,800	78,581
Petronas Chemicals Group BHD	99,800	128,482
Petronas Dagangan BHD	12,200	58,050
Petronas Gas BHD	21,200	75,876
PPB Group BHD	21,240	71,655
Press Metal Aluminium Holdings BHD	120,800	121,924
Public Bank BHD	486,890	401,998
QL Resources BHD	54,400	62,480
RHB Bank BHD	31,506	36,690
Sime Darby BHD	108,224	47,571
Sime Darby Plantation BHD	108,786	96,889
Telekom Malaysia BHD	43,415	45,732
Tenaga Nasional BHD	101,250	196,435
Top Glove Corp. BHD (A)	164,400	28,599
		3,063,714
Mexico - 0.8%		
Alfa SAB de CV, Class A	98,000	60,631
America Movil SAB de CV (A)	1,069,632	1,161,054
Arca Continental SAB de CV	16,000	164,216
Banco del Bajío SA (B)	26,400	80,648
Cemex SAB de CV, Series CPO (A)	521,849	368,895
Coca-Cola Femsa SAB de CV	15,212	127,032
Fibra Uno Administracion SA de CV	90,200	131,688
Fomento Economico Mexicano SAB de CV	65,820	728,338
Gruma SAB de CV, Class B	7,685	123,399
Grupo Aeroportuario del Pacifico SAB de CV, B Shares	14,200	255,554
Grupo Aeroportuario del Sureste SAB de CV, B Shares	6,560	183,379
Grupo Bimbo SAB de CV, Series A	44,984	241,621
Grupo Carso SAB de CV, Series A1	15,377	111,125
Grupo Financiero Banorte SAB de CV, Series O	88,162	725,301
Grupo Financiero Inbursa SAB de CV, Series O (A)	77,038	182,322
Grupo Mexico SAB de CV, Series B	104,066	500,358
Grupo Televisa SAB, Series CPO	80,326	82,405
Industrias Penoles SAB de CV (A)	4,883	68,440
Kimberly-Clark de Mexico SAB de CV, Class A	43,778	97,674
Operadora de Sites Mexicanos SAB de CV, Class A1	63,900	60,551
Orbia Advance Corp. SAB de CV	37,631	80,573
Promotora y Operadora de Infraestructura SAB de CV	5,800	58,207
Wal-Mart de Mexico SAB de CV	177,288	703,165
		6,296,576
Netherlands - 3.2%		
ABN AMRO Bank NV (B)	13,718	213,223
Adyen NV (A)(B)	734	1,271,047
Aegon NV	63,955	324,661
Akzo Nobel NV	6,168	504,255
Argenx SE (A)	1,884	734,754
ASM International NV	1,586	673,424
ASML Holding NV	13,642	9,894,956
Euronext NV (B)	3,256	221,457
EXOR NV	3,992	356,385
Ferrovial SE	18,504	584,951
Heineken Holding NV	3,464	301,445
Heineken NV	8,829	907,947
IMCD NV	2,143	308,402

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Netherlands (continued)		
ING Groep NV	122,479	\$ 1,651,217
JDE Peet's NV	4,248	126,398
Just Eat Takeaway.com NV (A)(B)	2,945	45,143
Koninklijke Ahold Delhaize NV	33,016	1,125,618
Koninklijke KPN NV	112,196	400,538
Koninklijke Philips NV (A)	32,815	711,026
NEPI Rockcastle NV	15,860	92,821
NN Group NV (C)	8,953	331,420
OCI NV (A)	3,599	86,445
Prosus NV (A)	27,259	1,996,295
QIAGEN NV (A)	8,350	375,333
Randstad NV	3,735	196,983
Stellantis NV	40,495	711,936
Stellantis NV (Euronext Paris Exchange)	34,423	605,115
Universal Music Group NV	26,829	596,002
Wolters Kluwer NV	9,066	1,151,144
		26,500,341
New Zealand - 0.2%		
Auckland International Airport, Ltd. (A)	36,599	192,345
Fisher & Paykel Healthcare Corp., Ltd.	20,109	302,796
Mercury NZ, Ltd.	23,358	93,360
Meridian Energy, Ltd.	44,474	153,150
Spark New Zealand, Ltd.	67,539	211,350
Xero, Ltd. (A)	4,614	369,674
		1,322,675
Norway - 0.4%		
Adevinta ASA (A)	8,335	54,772
Aker BP ASA	10,753	252,280
DNB Bank ASA	30,942	578,637
Equinor ASA	33,389	972,250
Gjensidige Forsikring ASA	6,934	111,082
Kongsberg Gruppen ASA	3,055	138,862
Mowi ASA	14,928	236,848
Norsk Hydro ASA	48,185	287,243
Orkla ASA	29,206	210,004
Salmar ASA	2,012	81,079
Telenor ASA	26,898	272,733
Yara International ASA	5,667	200,226
		3,396,016
Peru - 0.1%		
Cia de Minas Buenaventura SAA, ADR	8,064	59,270
Credicorp, Ltd.	2,434	359,356
		418,626
Philippines - 0.2%		
Aboitiz Equity Ventures, Inc.	85,070	83,915
ACEN Corp. (A)	26,760	2,622
Ayala Corp.	8,920	101,444
Ayala Land, Inc.	253,800	112,276
Bank of the Philippine Islands	37,175	73,406
BDO Unibank, Inc.	92,568	231,798
International Container Terminal Services, Inc.	33,760	124,691
JG Summit Holdings, Inc.	89,355	72,188
Jollibee Foods Corp.	18,900	81,999
Manila Electric Company	8,090	49,152
Metropolitan Bank & Trust Company	65,642	66,411
PLDT, Inc.	3,730	88,362
SM Investments Corp.	8,302	139,549
SM Prime Holdings, Inc.	311,044	185,627
Universal Robina Corp.	30,280	75,588
		1,489,028
Poland - 0.2%		
Allegro.eu SA (A)(B)	13,472	106,155

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Poland (continued)		
Bank Polska Kasa Opieki SA	5,522	\$ 150,622
CD Projekt SA	2,349	89,524
Cyfrowy Polsat SA	6,360	25,837
Dino Polska SA (A)(B)	1,719	200,837
KGHM Polska Miedz SA	5,681	157,302
LPP SA	42	144,779
PGE Polska Grupa Energetyczna SA (A)	26,654	47,592
Polski Koncern Naftowy ORLEN SA	17,254	273,471
Powszechna Kasa Oszczednosci Bank Polski SA	32,873	292,572
Powszechny Zaklad Ubezpieczen SA	23,000	223,092
Santander Bank Polska SA (A)	1,219	116,729
		1,828,512
Portugal - 0.1%		
EDP - Energias de Portugal SA	91,820	448,787
Galp Energia SGPS SA	18,673	218,211
Jeronimo Martins SGPS SA	9,675	266,533
		933,531
Russia - 0.0%		
Gazprom PJSC, ADR (A)(E)	251,662	33,471
Gazprom PJSC, ADR (London Stock Exchange) (A)(E)	3,680	489
LUKOIL PJSC, ADR (A)(E)	23,756	40,480
MMC Norilsk Nickel PJSC, ADR (A)(E)	39,185	22,884
Mobile TeleSystems PJSC, ADR (A)(E)	20,264	4,093
Novatek PJSC, GDR (A)(E)	3,057	13,683
Rosneft Oil Company PJSC, GDR (A)(E)	30,000	30,000
Rosneft Oil Company PJSC, GDR (London Stock Exchange) (A)(E)	9,131	9,131
Sberbank of Russia PJSC, ADR (A)(E)	40,000	13,520
Sberbank of Russia PJSC, ADR (London Stock Exchange) (A)(E)	34,900	11,806
Severstal PAO, GDR (A)(E)	4,250	1,755
Surgutneftegas PJSC, ADR (A)(E)	22,274	2,762
Surgutneftegas PJSC, ADR (London Stock Exchange) (A)(E)	23,070	2,122
Tatneft PJSC, ADR (A)(E)	7,986	6,948
VTB Bank PJSC, GDR (A)(E)	50,760	711
		193,855
Saudi Arabia - 1.1%		
ACWA Power Company	2,748	122,837
Advanced Petrochemical Company	4,529	53,710
Al Rajhi Bank	67,083	1,312,960
Alinma Bank	34,699	311,872
Almarai Company JSC	8,852	143,391
Arab National Bank	21,244	149,801
Bank AlBilad	17,420	180,710
Bank Al-Jazira	14,284	69,936
Banque Saudi Fransi	19,205	214,541
Bupa Arabia for Cooperative Insurance Company	1,226	60,761
Dar Al Arkan Real Estate Development Company (A)	18,814	77,710
Dr Sulaiman Al Habib Medical Services Group Company	2,961	226,545
Elm Company	812	126,440
Emaar Economic City (A)	13,598	34,070
Etihad Etisalat Company	13,413	172,066
Jarir Marketing Company	20,900	92,378
Mouwasat Medical Services Company	1,674	108,532
National Industrialization Company (A)	11,652	46,638
Rabigh Refining & Petrochemical Company (A)	14,852	45,905
Riyadh Bank	42,488	383,650

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Saudi Arabia (continued)		
SABIC Agri-Nutrients Company	5,901	\$ 204,965
Sahara International Petrochemical Company	12,775	127,582
Saudi Arabian Mining Company (A)	45,750	516,848
Saudi Arabian Oil Company (B)	92,548	801,655
Saudi Awwal Bank	34,070	346,893
Saudi Basic Industries Corp.	30,455	720,924
Saudi Electricity Company	29,505	178,524
Saudi Industrial Investment Group	7,839	55,888
Saudi Kayan Petrochemical Company (A)	26,130	96,679
Saudi Research & Media Group (A)	1,230	62,089
Saudi Telecom Company	67,677	789,096
The Saudi Investment Bank	16,741	76,391
The Saudi National Bank	100,443	990,642
The Savola Group	9,302	103,462
Yanbu National Petrochemical Company	7,999	101,713
		9,107,804
Singapore - 0.9%		
BOC Aviation, Ltd. (B)	7,400	59,978
CapitalLand Ascendas REIT	117,802	237,769
CapitalLand Integrated Commercial Trust	183,231	259,664
CapitalLand Investment, Ltd.	93,902	230,712
City Developments, Ltd.	16,600	82,801
DBS Group Holdings, Ltd.	61,654	1,439,792
Genting Singapore, Ltd.	226,200	157,724
Grab Holdings, Ltd., Class A (A)	63,200	216,776
Jardine Cycle & Carriage, Ltd.	3,400	87,672
JOYY, Inc., ADR	2,000	61,420
Keppel Corp., Ltd.	55,069	274,065
Mapletree Logistics Trust	124,150	149,321
Mapletree Pan Asia Commercial Trust	89,600	107,791
Oversea-Chinese Banking Corp., Ltd.	115,002	1,046,172
Sea, Ltd., ADR (A)	12,200	708,088
Seatrium, Ltd. (A)	1,050,993	97,480
Singapore Airlines, Ltd.	45,550	241,325
Singapore Exchange, Ltd.	30,900	220,045
Singapore Technologies Engineering, Ltd.	61,500	167,813
Singapore Telecommunications, Ltd.	294,940	546,279
United Overseas Bank, Ltd.	42,208	875,869
UOL Group, Ltd.	20,239	96,465
Venture Corp., Ltd.	11,100	121,187
Wilmar International, Ltd.	72,000	202,839
		7,689,047
South Africa - 0.9%		
Absa Group, Ltd.	27,515	245,580
African Rainbow Minerals, Ltd.	5,157	54,408
Anglo American Platinum, Ltd.	1,813	81,954
AngloGold Ashanti, Ltd.	14,430	305,445
Aspen Pharmacare Holdings, Ltd.	13,036	127,163
Bid Corp., Ltd.	11,078	243,421
Capitec Bank Holdings, Ltd.	2,975	247,907
Clicks Group, Ltd.	8,355	115,987
Discovery, Ltd. (A)	16,080	124,623
Exxaro Resources, Ltd.	8,997	78,470
FirstRand, Ltd.	172,480	628,480
Gold Fields, Ltd.	29,492	410,009
Growthpoint Properties, Ltd.	109,582	67,828
Harmony Gold Mining Company, Ltd.	18,873	79,495
Impala Platinum Holdings, Ltd.	28,968	192,985
Kumba Iron Ore, Ltd.	2,164	50,857
Mr. Price Group, Ltd.	8,969	68,416
MTN Group, Ltd.	59,164	434,699
MultiChoice Group	15,717	79,794
Naspers, Ltd., N Shares	6,632	1,198,145
Nedbank Group, Ltd.	15,440	187,557

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Africa (continued)		
Northam Platinum Holdings, Ltd. (A)	11,870	\$ 79,010
Old Mutual, Ltd.	182,601	118,298
OUTsurance Group, Ltd.	28,715	51,946
Pepkor Holdings, Ltd. (B)	56,996	49,955
Remgro, Ltd.	17,781	138,855
Sanlam, Ltd.	59,860	185,283
Sasol, Ltd.	19,396	240,302
Shoprite Holdings, Ltd.	16,492	197,815
Sibanye Stillwater, Ltd.	101,051	155,854
Standard Bank Group, Ltd.	43,543	411,112
The Bidvest Group, Ltd.	9,718	135,199
The Foschini Group, Ltd.	11,309	56,574
Vodacom Group, Ltd.	21,952	136,789
Woolworths Holdings, Ltd.	33,746	128,096
		7,108,311
South Korea - 3.1%		
Amorepacific Corp.	975	72,574
BGF retail Company, Ltd.	90	11,955
Celltrion Healthcare Company, Ltd.	3,300	165,218
Celltrion Pharm, Inc. (A)	597	34,820
Celltrion, Inc.	3,299	385,061
CJ CheilJedang Corp.	210	43,033
CJ Corp.	456	23,662
CosmoAM&T Company, Ltd. (A)	778	111,116
Coway Company, Ltd.	2,324	77,660
DB Insurance Company, Ltd.	1,122	63,727
Doosan Bobcat, Inc.	1,103	49,304
Doosan Enerbility Company, Ltd. (A)	10,736	148,344
Ecopro BM Company, Ltd.	1,844	350,782
E-MART, Inc.	496	29,042
F&F Company, Ltd.	575	52,411
GS Holdings Corp.	1,749	48,749
Hana Financial Group, Inc.	11,216	334,826
Hankook Tire & Technology Company, Ltd.	1,937	50,819
Hanmi Pharm Company, Ltd.	149	35,008
Hanon Systems	4,656	32,464
Hanwha Aerospace Company, Ltd.	1,199	116,122
Hanwha Solutions Corp. (A)	3,077	99,226
HD Hyundai Company, Ltd.	1,555	70,972
HD Hyundai Heavy Industries Company, Ltd. (A)	609	61,204
HD Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	1,127	100,185
HLB, Inc. (A)	3,069	76,196
HMM Company, Ltd.	8,540	122,798
Hotel Shilla Company, Ltd.	1,060	59,320
HYBE Company, Ltd. (A)	560	120,773
Hyundai Engineering & Construction Company, Ltd.	2,649	77,004
Hyundai Glovis Company, Ltd.	539	81,149
Hyundai Mobis Company, Ltd.	2,223	393,576
Hyundai Motor Company	4,857	763,979
Hyundai Steel Company	2,875	74,085
Industrial Bank of Korea	5,941	46,735
Kakao Corp.	10,511	394,793
Kakao Games Corp. (A)	994	25,014
KakaoBank Corp.	3,982	72,391
Kangwon Land, Inc.	3,612	47,833
KB Financial Group, Inc.	12,892	467,911
KB Financial Group, Inc., ADR	430	15,652
Kia Corp.	8,833	595,000
Korea Aerospace Industries, Ltd.	1,710	69,449
Korea Electric Power Corp.	6,370	99,694
Korea Electric Power Corp., ADR	4,277	33,147

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Korea Investment Holdings Company, Ltd.	1,170	\$ 46,145
Korea Zinc Company, Ltd.	350	130,002
Korean Air Lines Company, Ltd.	6,728	124,812
Krafton, Inc. (A)	733	109,166
KT&G Corp.	3,484	218,853
Kumho Petrochemical Company, Ltd.	614	62,087
L&F Company, Ltd.	748	139,215
LG Chem, Ltd.	1,553	790,573
LG Corp.	2,922	195,950
LG Display Company, Ltd. (A)	5,471	65,754
LG Display Company, Ltd., ADR (C)	2,417	14,647
LG Electronics, Inc.	3,973	384,541
LG Energy Solution, Ltd. (A)	1,199	505,489
LG H&H Company, Ltd.	358	125,109
LG Innotek Company, Ltd.	575	136,212
LG Uplus Corp.	9,062	73,941
Lotte Chemical Corp.	674	79,324
Lotte Energy Materials Corp.	767	28,276
Meritz Financial Group, Inc. (A)	2,407	76,316
Mirae Asset Securities Company, Ltd.	7,084	39,072
NAVER Corp.	4,194	587,097
NCSOFT Corp.	550	123,857
Netmarble Corp. (A)(B)	515	19,341
NH Investment & Securities Company, Ltd.	3,944	28,688
Orion Corp.	569	51,892
Pan Ocean Company, Ltd.	9,148	36,162
Pearl Abyss Corp. (A)	1,020	41,042
POSCO Future M Company, Ltd.	883	238,228
POSCO Holdings, Inc.	2,484	735,145
Samsung Biologics Company, Ltd. (A)(B)	586	331,780
Samsung C&T Corp.	2,732	219,882
Samsung Electro-Mechanics Company, Ltd.	1,863	205,682
Samsung Electronics Company, Ltd.	162,209	8,931,760
Samsung Engineering Company, Ltd. (A)	6,723	144,983
Samsung Fire & Marine Insurance Company, Ltd.	1,218	212,548
Samsung Heavy Industries Company, Ltd. (A)	20,659	105,114
Samsung Life Insurance Company, Ltd.	2,349	120,136
Samsung SDI Company, Ltd.	1,864	951,823
Samsung SDS Company, Ltd.	1,018	95,426
Samsung Securities Company, Ltd.	1,475	40,484
Shinhan Financial Group Company, Ltd.	14,320	370,204
Shinhan Financial Group Company, Ltd., ADR	350	9,121
SK Biopharmaceuticals Company, Ltd. (A)	528	32,537
SK Bioscience Company, Ltd. (A)	763	46,285
SK Hynix, Inc.	18,713	1,644,207
SK IE Technology Company, Ltd. (A)(B)	601	44,526
SK Innovation Company, Ltd. (A)	1,900	230,345
SK Square Company, Ltd. (A)	3,395	114,673
SK, Inc.	1,269	143,948
SKC Company, Ltd.	859	64,074
S-Oil Corp.	1,876	95,321
Woori Financial Group, Inc.	16,990	152,619
Yuhan Corp.	1,359	62,384
		25,781,581
Spain - 1.6%		
Acciona SA	843	143,133
ACS Actividades de Construccion y Servicios SA	8,191	288,028
Aena SME SA (B)	2,789	451,392
Amadeus IT Group SA (A)	15,345	1,168,531

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Spain (continued)		
Banco Bilbao Vizcaya Argentaria SA	207,178	\$ 1,591,691
Banco Santander SA	533,925	1,976,669
Banco Santander SA (Mexican Stock Exchange)	22,856	80,117
CaixaBank SA	150,577	623,739
Cellnex Telecom SA (A)(B)	18,545	749,290
Corp ACCIONA Energias Renovables SA	2,249	75,241
EDP Renovaveis SA	9,513	190,104
EDP Renovaveis SA (BX Swiss Exchange)	126	2,512
Enagas SA	9,787	192,350
Endesa SA	12,378	265,975
Grifols SA (A)	11,763	150,906
Iberdrola SA	196,985	2,572,394
Industria de Diseno Textil SA	37,098	1,438,954
Naturgy Energy Group SA	4,969	148,129
Redeia Corp. SA	13,732	230,932
Repsol SA	44,917	653,274
Telefonica SA	183,426	744,704
		13,738,065
Sweden - 2.0%		
Alfa Laval AB	9,840	358,940
Assa Abloy AB, B Shares	34,547	830,405
Atlas Copco AB, A Shares	92,584	1,336,624
Atlas Copco AB, B Shares	53,800	670,804
Beijer Ref AB	11,397	145,580
Boliden AB	9,749	282,508
Embracer Group AB (A)	21,941	54,869
Epiroc AB, A Shares	22,715	430,264
Epiroc AB, B Shares	14,979	242,442
EQT AB	12,034	231,675
Essity AB, B Shares	20,983	558,812
Evolution AB (B)	6,247	791,644
Fastighets AB Balder, B Shares (A)	24,258	88,823
Getinge AB, B Shares	8,639	151,560
Hennes & Mauritz AB, B Shares	25,173	432,908
Hexagon AB, B Shares	67,089	825,216
Holmen AB, B Shares	3,205	115,190
Husqvarna AB, B Shares	14,199	128,836
Industrivarden AB, A Shares	5,394	149,599
Industrivarden AB, C Shares	6,375	175,916
Indutrade AB	9,332	210,628
Investment AB Latour, B Shares	5,009	99,444
Investor AB, A Shares	14,766	295,517
Investor AB, B Shares	58,569	1,171,678
Kinnevik AB, B Shares (A)	8,775	121,723
L.E. Lundbergforetagen AB, B Shares	3,102	132,097
Lifco AB, B Shares	7,888	171,783
Nibe Industrier AB, B Shares	51,776	492,305
Saab AB, B Shares	2,710	146,709
Sagax AB, B Shares	6,422	126,997
Sandvik AB	36,214	707,049
Securitas AB, B Shares	20,108	165,162
Skandinaviska Enskilda Banken AB, A Shares	57,777	639,029
Skanska AB, B Shares	12,918	181,246
SKF AB, B Shares	11,531	200,933
Svenska Cellulosa AB SCA, B Shares	20,883	266,571
Svenska Handelsbanken AB, A Shares	50,274	420,907
Swedbank AB, A Shares	31,214	526,771
Swedish Orphan Biovitrum AB (A)	5,771	112,796
Tele2 AB, B Shares	17,728	146,616
Telefonaktiebolaget LM Ericsson, B Shares	100,604	546,611
Telia Company AB	91,625	201,012
Volvo AB, A Shares	8,008	170,679
Volvo AB, B Shares	51,555	1,066,932

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Volvo Car AB, B Shares (A)	20,359	\$ 81,003
		16,404,813
Switzerland - 6.9%		
ABB, Ltd.	53,671	2,111,463
Adecco Group AG	6,058	198,408
Alcon, Inc.	17,168	1,424,298
Bachem Holding AG	1,275	111,327
Baloise Holding AG	1,556	228,875
Banque Cantonale Vaudoise	1,029	108,688
Barry Callebaut AG	136	262,763
BKW AG	721	127,473
Chocoladefabriken Lindt & Spruengli AG	4	496,476
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	37	465,200
Cie Financiere Richemont SA, A Shares	17,834	3,029,426
Clariant AG (A)	8,258	119,465
Coca-Cola HBC AG (A)	8,067	240,638
DSM-Firmenich AG (A)	6,005	646,225
Dufry AG (A)	3,335	152,116
EMS-Chemie Holding AG	241	182,632
Geberit AG	1,218	638,334
Givaudan SA	317	1,051,470
Glencore PLC	361,179	2,047,848
Helvetia Holding AG	1,256	170,231
Holcim, Ltd. (A)	18,758	1,264,425
Julius Baer Group, Ltd.	7,301	460,748
Kuehne + Nagel International AG	1,851	548,316
Logitech International SA	5,565	332,148
Lonza Group AG	2,544	1,520,581
Nestle SA	93,056	11,193,856
Novartis AG	69,360	6,992,836
Partners Group Holding AG	768	724,102
Roche Holding AG	23,774	7,262,245
Roche Holding AG, Bearer Shares	911	299,153
Schindler Holding AG	806	181,436
Schindler Holding AG, Participation Certificates	1,378	323,564
SGS SA (A)	5,500	520,306
SIG Group AG (A)	10,451	288,727
Sika AG	4,942	1,415,392
Sonova Holding AG	1,838	490,447
STMicroelectronics NV	23,244	1,159,260
Straumann Holding AG	3,800	617,903
Swiss Life Holding AG	1,050	614,971
Swiss Prime Site AG	3,037	263,813
Swiss Re AG	10,244	1,032,214
Swisscom AG	886	552,989
Temenos AG	2,556	203,523
The Swatch Group AG	2,395	131,713
The Swatch Group AG, Bearer Shares	986	288,299
UBS Group AG	107,342	2,175,680
VAT Group AG (B)	1,010	418,356
Zurich Insurance Group AG	5,140	2,445,040
		57,535,399
Taiwan - 4.2%		
Aceton Technology Corp.	17,000	191,220
Acer, Inc.	99,018	99,911
Advantech Company, Ltd.	13,296	175,051
Airtac International Group	4,185	138,309
ASE Technology Holding Company, Ltd.	111,338	395,934
Asia Cement Corp.	72,863	104,024
Asustek Computer, Inc.	23,952	242,491
AUO Corp.	219,061	131,465
Catcher Technology Company, Ltd.	22,184	125,165
Cathay Financial Holding Company, Ltd.	285,373	396,167

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Chailease Holding Company, Ltd.	47,255	\$ 310,692
Chang Hwa Commercial Bank, Ltd.	116,003	69,538
Cheng Shin Rubber Industry Company, Ltd.	43,680	56,424
China Airlines, Ltd.	94,000	79,378
China Development Financial Holding Corp.	504,133	200,942
China Steel Corp.	403,388	381,454
Chunghwa Telecom Company, Ltd.	127,148	476,222
Compal Electronics, Inc.	139,764	131,453
CTBC Financial Holding Company, Ltd.	586,465	468,978
Delta Electronics, Inc.	64,866	718,867
E Ink Holdings, Inc.	29,000	210,955
E.Sun Financial Holding Company, Ltd.	456,912	382,815
Eclat Textile Company, Ltd.	6,259	100,647
eMemory Technology, Inc.	2,000	143,149
Eva Airways Corp.	86,000	110,331
Evergreen Marine Corp. Taiwan, Ltd.	33,826	101,969
Far Eastern New Century Corp.	109,875	118,148
Far EastTone Telecommunications Company, Ltd.	45,159	114,050
Feng TAY Enterprise Company, Ltd.	14,520	91,856
First Financial Holding Company, Ltd.	353,926	314,779
Formosa Chemicals & Fibre Corp.	117,212	252,808
Formosa Petrochemical Corp.	39,720	107,673
Formosa Plastics Corp.	128,086	352,834
Fubon Financial Holding Company, Ltd.	252,283	493,824
Giant Manufacturing Company, Ltd.	10,362	76,893
Global Unichip Corp.	3,000	155,275
Globalwafers Company, Ltd.	7,000	112,340
Hon Hai Precision Industry Company, Ltd.	426,368	1,550,163
Hotai Motor Company, Ltd.	10,000	261,695
Hua Nan Financial Holdings Company, Ltd.	296,225	211,493
Innolux Corp.	249,636	122,871
Inventec Corp.	89,899	124,980
Largan Precision Company, Ltd.	3,143	215,602
Lite-On Technology Corp.	70,626	235,180
MediaTek, Inc.	51,340	1,136,455
Mega Financial Holding Company, Ltd.	372,212	456,810
Micro-Star International Company, Ltd.	23,000	130,783
momo.com, Inc.	2,400	53,187
Nan Ya Plastics Corp.	171,992	401,195
Nan Ya Printed Circuit Board Corp.	8,000	68,256
Nanya Technology Corp.	37,000	84,351
Nien Made Enterprise Company, Ltd.	5,000	55,114
Novatek Microelectronics Corp.	19,361	265,830
Pegatron Corp.	66,989	161,283
PharmaEssentia Corp. (A)	7,000	76,359
Pou Chen Corp.	78,641	79,711
Powerchip Semiconductor Manufacturing Corp.	91,000	90,840
President Chain Store Corp.	19,496	177,044
Quanta Computer, Inc.	90,771	443,313
Realtek Semiconductor Corp.	14,999	187,017
Ruentex Development Company, Ltd.	57,600	66,682
Shin Kong Financial Holding Company, Ltd. (A)	411,790	117,946
SinoPac Financial Holdings Company, Ltd.	360,166	200,981
Synnex Technology International Corp.	45,928	85,662
Taishin Financial Holding Company, Ltd.	358,479	218,215
Taiwan Business Bank	206,000	94,423
Taiwan Cement Corp.	184,594	225,929
Taiwan Cooperative Financial Holding Company, Ltd.	305,010	275,217

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Taiwan High Speed Rail Corp.	66,000	\$ 68,172
Taiwan Mobile Company, Ltd.	55,257	169,728
Taiwan Semiconductor Manufacturing Company, Ltd.	833,227	15,392,480
The Shanghai Commercial & Savings Bank, Ltd.	120,142	175,294
Unimicron Technology Corp.	40,000	227,467
Uni-President Enterprises Corp.	161,487	395,937
United Microelectronics Corp.	388,313	610,122
Vanguard International Semiconductor Corp.	31,000	88,037
Voltronic Power Technology Corp.	2,000	126,484
Walsin Lihwa Corp.	87,735	115,947
Wan Hai Lines, Ltd.	22,770	43,354
Win Semiconductors Corp.	11,000	58,263
Winbond Electronics Corp. (A)	102,000	90,218
Wistron Corp.	88,000	256,763
Wiwynn Corp.	3,000	137,107
WPG Holdings, Ltd.	47,840	84,174
Yageo Corp.	10,015	158,662
Yang Ming Marine Transport Corp.	60,000	121,850
Yuanta Financial Holding Company, Ltd.	334,582	248,834
Zhen Ding Technology Holding, Ltd.	19,000	64,249
		34,641,760
Thailand - 0.5%		
Advanced Info Service PCL	40,400	244,106
Airports of Thailand PCL (A)	163,100	331,446
Bangkok Dusit Medical Services PCL, NVDR	387,300	303,711
Bangkok Expressway & Metro PCL, NVDR	354,600	85,617
Banpu PCL, NVDR	273,700	68,454
Berli Jucker PCL, NVDR	21,300	20,921
BTS Group Holdings PCL, NVDR	301,600	63,464
Bumrungrad Hospital PCL, NVDR	15,600	99,552
Central Pattana PCL, NVDR	64,400	119,237
Central Retail Corp. PCL	45,441	50,117
Charoen Pokphand Foods PCL	136,200	75,727
CP ALL PCL	184,600	325,868
CP ALL PCL, NVDR	12,300	21,713
CP Aextra PCL, NVDR	71,600	71,306
Delta Electronics Thailand PCL, NVDR	105,500	274,637
Electricity Generating PCL	7,600	28,004
Electricity Generating PCL, NVDR	1,400	5,159
Energy Absolute PCL	56,900	91,629
Gulf Energy Development PCL, NVDR	79,150	104,553
Home Product Center PCL	204,400	80,894
Indorama Ventures PCL, NVDR	54,900	53,147
Kasikornbank PCL, NVDR	20,000	73,202
Krung Thai Bank PCL	164,375	90,086
Krunghai Card PCL	30,800	43,092
Land & Houses PCL, NVDR	393,400	93,881
Minor International PCL, NVDR	131,483	127,320
Muangthai Capital PCL, NVDR	11,300	12,561
PTT Exploration & Production PCL	47,147	199,770
PTT Global Chemical PCL	87,373	92,019
PTT PCL	329,000	311,409
PTT PCL, NVDR	10,500	9,939
Ratch Group PCL, NVDR	19,200	19,378
SCB X PCL	23,348	70,298
Thai Oil PCL	50,886	63,669
The Siam Cement PCL	12,000	109,106
The Siam Cement PCL, NVDR	14,300	130,018
True Corp. PCL	269,362	49,923
		4,014,933

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Turkey - 0.1%		
Akbank TAS	100,286	\$ 77,938
Aselsan Elektronik Sanayi Ve Ticaret AS	14,026	29,409
BIM Birllesik Magazalar AS	16,428	107,637
Eregli Demir ve Celik Fabrikalari TAS (A)	49,091	69,680
Ford Otomotiv Sanayi AS	2,390	70,022
Haci Omer Sabanci Holding AS	34,855	61,680
Hektas Ticaret TAS (A)	38,876	44,959
KOC Holding AS	25,423	101,808
Sasa Polyester Sanayi AS (A)	35,185	76,514
Turk Hava Yollari AO (A)	18,859	140,479
Turkcell Iletisim Hizmetleri AS	38,572	54,060
Turkiye Is Bankasi AS, Class C	134,602	72,497
Turkiye Petrol Rafinerileri AS	34,986	107,578
Turkiye Sise ve Cam Fabrikalari AS	47,094	80,626
Yapi ve Kredi Bankasi AS	100,953	50,443
		1,145,330
United Arab Emirates - 0.0%		
NMC Health PLC (A)	4,471	9
United Kingdom - 8.9%		
3i Group PLC	33,057	819,384
abrdn PLC	41,602	115,529
Admiral Group PLC	7,357	194,841
Anglo American PLC	44,317	1,261,863
Ashtead Group PLC	14,934	1,035,390
Associated British Foods PLC	13,433	340,163
AstraZeneca PLC	52,629	7,544,607
Auto Trader Group PLC (B)	31,085	241,361
Aviva PLC	96,832	487,187
BAE Systems PLC	103,325	1,218,333
Barclays PLC	540,046	1,055,031
Barratt Developments PLC	38,692	203,355
BP PLC	598,768	3,486,261
British American Tobacco PLC	72,982	2,424,864
BT Group PLC	237,392	369,414
Bunzl PLC	11,428	435,500
Burberry Group PLC	13,108	353,700
Centrica PLC	192,412	303,385
CNH Industrial NV	34,627	499,413
Coca-Cola Europacific Partners PLC	6,887	443,611
Compass Group PLC	59,046	1,653,477
Croda International PLC	5,146	367,860
Diageo PLC	76,297	3,280,091
Endeavour Mining PLC	6,282	150,867
Entain PLC	21,740	351,532
GSK PLC	138,567	2,455,767
Haleon PLC	173,209	710,933
Halma PLC	13,950	403,789
Hargreaves Lansdown PLC	13,764	142,681
HSBC Holdings PLC	679,102	5,377,034
Imperial Brands PLC	30,847	682,783
Informa PLC	48,542	448,198
InterContinental Hotels Group PLC	5,955	411,649
Intertek Group PLC	6,021	326,387
J Sainsbury PLC	55,808	190,779
JD Sports Fashion PLC	87,670	162,856
Johnson Matthey PLC	7,531	167,186
Kingfisher PLC	65,606	193,357
Land Securities Group PLC	25,882	189,246
Legal & General Group PLC	202,129	585,226
Lloyds Banking Group PLC	2,288,076	1,268,395
London Stock Exchange Group PLC	13,589	1,446,326
M&G PLC	75,877	184,659
Mondi PLC	13,861	211,470
Mondi PLC (Johannesburg Stock Exchange)	4,137	63,248

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
National Grid PLC	126,026	\$ 1,670,903
NatWest Group PLC	195,705	598,172
Next PLC	4,131	362,232
Ocado Group PLC (A)	9,905	71,677
Pearson PLC	23,325	244,536
Persimmon PLC	11,973	156,005
Phoenix Group Holdings PLC	27,163	183,784
Reckitt Benckiser Group PLC	24,469	1,838,870
RELX PLC	41,592	1,387,542
RELX PLC (Euronext Amsterdam Exchange)	22,799	760,536
Rentokil Initial PLC	85,275	666,742
Rio Tinto PLC	38,611	2,453,723
Rolls-Royce Holdings PLC (A)	284,201	546,520
Schroders PLC	29,188	162,392
Segro PLC	33,962	309,728
Severn Trent PLC	9,413	306,867
Shell PLC	231,718	6,912,553
Smith & Nephew PLC	29,554	476,805
Smiths Group PLC	12,075	252,631
Spirax-Sarco Engineering PLC	2,735	360,485
SSE PLC	36,760	862,027
St. James's Place PLC	20,193	279,261
Standard Chartered PLC	85,374	742,763
Taylor Wimpey PLC	139,593	182,364
Tesco PLC	247,643	781,203
The Berkeley Group Holdings PLC	4,051	201,943
The British Land Company PLC	35,353	136,334
The Sage Group PLC	34,459	404,788
Unilever PLC	86,099	4,483,549
United Utilities Group PLC	23,160	283,189
Vodafone Group PLC	776,383	731,998
Whitbread PLC	7,669	330,125
Wise PLC, Class A (A)	20,804	173,892
WPP PLC	36,478	382,356
		73,957,483
United States - 0.1%		
BeiGene, Ltd. (A)	22,100	303,026
Brookfield Renewable Corp., Class A	5,150	162,460
Legend Biotech Corp., ADR (A)	2,100	144,963
Southern Copper Corp.	2,874	206,181
		816,630
TOTAL COMMON STOCKS (Cost \$631,751,190)		\$ 805,100,829
PREFERRED SECURITIES - 0.9%		
Brazil - 0.4%		
Banco Bradesco SA	191,781	658,869
Banco BTG Pactual SA	4	7
Centrais Eletricas Brasileiras SA, B Shares	5,700	52,998
Cia Energetica de Minas Gerais	47,171	126,690
Gerdau SA	45,780	239,694
Itau Unibanco Holding SA	164,589	976,906
Itausa SA	170,619	343,504
Petroleo Brasileiro SA	165,151	1,018,527
		3,417,195
Germany - 0.3%		
Bayerische Motoren Werke AG	2,090	238,166
Dr. Ing. h.c. F. Porsche AG (B)	3,890	483,251
Henkel AG & Company KGaA	5,727	458,025
Porsche Automobil Holding SE	5,695	343,235
Sartorius AG	833	288,601
Volkswagen AG	6,978	938,353
		2,749,631

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
South Korea - 0.2%		
Hyundai Motor Company	705	\$ 58,349
Hyundai Motor Company, 2nd Preferred	1,197	99,975
LG Chem, Ltd.	162	43,521
Samsung Electronics Company, Ltd.	28,139	1,276,928
		1,478,773
TOTAL PREFERRED SECURITIES (Cost \$7,334,326)		\$ 7,645,599
RIGHTS - 0.0%		
Shell PLC (A)(F)	240,460	69,132
TOTAL RIGHTS (Cost \$69,132)		\$ 69,132
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 11-20-26; Strike Price: THB 14.90) (A)	60,320	256
BTS Group Holdings PCL (Expiration Date: 11-7-24; Strike Price: THB 11.90) (A)	30,160	94
TOTAL WARRANTS (Cost \$0)		\$ 350
SHORT-TERM INVESTMENTS - 1.5%		
Short-term funds - 1.5%		
Fidelity Government Portfolio, Institutional Class, 5.0243% (G)	11,937,660	11,937,660
John Hancock Collateral Trust, 5.1773% (G)(H)	34,627	346,087
TOTAL SHORT-TERM INVESTMENTS (Cost \$12,283,739)		\$ 12,283,747
Total Investments (International Equity Index Trust) (Cost \$651,438,387) - 99.0%		\$ 825,099,657
Other assets and liabilities, net - 1.0%		7,961,905
TOTAL NET ASSETS - 100.0%		\$ 833,061,562

International Equity Index Trust (continued)

Currency Abbreviations

THB Thai Bhat

Security Abbreviations and Legend

ADR American Depositary Receipt

GDR Global Depositary Receipt

NVDR Non-Voting Depositary Receipt

(A) Non-income producing security.

(B) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.

(C) All or a portion of this security is on loan as of 6-30-23.

(D) Investment is an affiliate of the fund, the advisor and/or subadvisor.

(E) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.

(F) Strike price and/or expiration date not available.

(G) The rate shown is the annualized seven-day yield as of 6-30-23.

(H) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI EAFE Index Futures	33	Long	Sep 2023	\$3,520,691	\$3,554,760	\$34,069
Mini MSCI Emerging Markets Index Futures	245	Long	Sep 2023	12,311,748	12,219,375	(92,373)
MSCI Kuwait Index Futures	75	Long	Sep 2023	1,122,361	1,132,125	9,764
MSCI Qatar Index Futures	75	Long	Sep 2023	1,167,346	1,153,875	(13,471)
MSCI UAE Index Futures	60	Long	Sep 2023	2,096,752	2,139,900	43,148
						\$(18,863)

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

International Small Company Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 98.3%		
Australia - 6.2%		
A2B Australia, Ltd. (A)	9,047	\$ 8,959
Accent Group, Ltd.	24,907	27,894
Adairs, Ltd.	7,392	7,817
Adbri, Ltd.	19,036	30,419
Ainsworth Game Technology, Ltd. (A)	10,192	7,134
Alcidion Group, Ltd. (A)	43,339	2,756
Alkane Resources, Ltd. (A)	25,036	11,859

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Alliance Aviation Services, Ltd. (A)	3,238	\$ 6,212
Altium, Ltd.	425	10,525
AMA Group, Ltd. (A)	33,686	2,255
AMP, Ltd.	110,740	83,684
Ansell, Ltd.	4,270	76,308
Appen, Ltd. (A)	4,723	7,580
Arafura Rare Earths, Ltd. (A)	190,322	38,892

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
ARB Corp., Ltd.	3,214	\$ 61,661
Archer Materials, Ltd. (A)	10,038	4,003
Ardent Leisure Group, Ltd.	39,016	11,718
ARN Media, Ltd.	20,357	14,260
AUB Group, Ltd.	5,591	109,966
Audinate Group, Ltd. (A)	3,365	20,926
Aurelia Metals, Ltd. (A)	115,998	7,274
Aussie Broadband, Ltd. (A)	7,972	15,893
Austal, Ltd.	23,155	36,662
Australian Agricultural Company, Ltd. (A)	28,065	27,332
Australian Clinical Labs, Ltd.	5,715	13,129
Australian Finance Group, Ltd.	15,010	17,895
Australian Strategic Materials, Ltd. (A)	2,603	1,922
Auswide Bank, Ltd.	722	2,595
AVZ Minerals, Ltd. (A)(B)	98,026	38,201
Baby Bunting Group, Ltd.	5,551	5,106
Bank of Queensland, Ltd.	15,001	54,976
Bapcor, Ltd.	15,610	62,054
Base Resources, Ltd.	32,069	3,634
Beach Energy, Ltd.	52,650	47,469
Beacon Lighting Group, Ltd.	6,425	7,040
Bega Cheese, Ltd.	15,122	28,810
Bell Financial Group, Ltd.	10,635	6,647
Bellevue Gold, Ltd. (A)	54,153	46,326
Betmakers Technology Group, Ltd. (A)	14,102	1,233
Bigtincan Holdings, Ltd. (A)	29,230	9,963
Blackmores, Ltd.	313	19,721
Boral, Ltd. (A)	21,191	57,087
Bravura Solutions, Ltd.	32,221	10,110
Breville Group, Ltd.	4,635	61,955
Brickworks, Ltd.	3,876	69,014
Bubs Australia, Ltd. (A)	28,812	3,468
BWX, Ltd. (A)(B)	9,946	1,325
Calidus Resources, Ltd. (A)	34,959	3,994
Capitol Health, Ltd.	41,735	7,522
Capricorn Metals, Ltd. (A)	13,300	36,123
Carnarvon Energy, Ltd. (A)	51,813	4,493
Cash Converters International, Ltd.	14,501	2,188
Cedar Woods Properties, Ltd.	5,696	19,087
Champion Iron, Ltd.	10,715	43,613
City Chic Collective, Ltd. (A)	9,410	2,403
Clinuvel Pharmaceuticals, Ltd.	2,335	27,961
Clover Corp., Ltd.	8,155	6,521
Codan, Ltd.	5,320	28,611
Collins Foods, Ltd.	4,405	28,971
Cooper Energy, Ltd. (A)	158,205	15,829
Corporate Travel Management, Ltd.	4,156	49,905
Costa Group Holdings, Ltd.	18,556	33,768
Credit Corp. Group, Ltd.	3,047	40,472
CSR, Ltd.	25,551	88,622
Data#3, Ltd.	9,073	43,639
De Grey Mining, Ltd. (A)	62,572	56,700
Dicker Data, Ltd.	2,871	15,746
Domain Holdings Australia, Ltd.	11,859	30,223
Downer EDI, Ltd.	26,043	71,503
Eagers Automotive, Ltd.	7,533	68,141
Elders, Ltd.	6,553	28,789
Emeco Holdings, Ltd.	22,924	9,943
Emerald Resources NL (A)	28,411	38,930
EML Payments, Ltd. (A)	16,327	6,866
Enero Group, Ltd.	3,952	3,844
EQT Holdings, Ltd.	975	16,844
Estia Health, Ltd.	11,708	23,123
EVT, Ltd.	5,448	42,737
Finbar Group, Ltd.	8,370	3,685

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
FleetPartners Group, Ltd. (A)	16,681	\$ 28,756
Fleetwood, Ltd. (A)	8,058	12,079
Flight Centre Travel Group, Ltd. (A)	6,231	79,434
Frontier Digital Ventures, Ltd. (A)	11,391	3,006
G8 Education, Ltd.	51,376	35,717
Galan Lithium, Ltd. (A)	15,105	8,851
Gold Road Resources, Ltd.	44,651	44,734
GrainCorp, Ltd., Class A	9,793	51,235
Grange Resources, Ltd.	21,083	7,552
GUD Holdings, Ltd.	7,010	41,399
GWA Group, Ltd.	12,453	14,535
Hansen Technologies, Ltd.	11,735	40,556
Harvey Norman Holdings, Ltd.	15,169	35,282
Healius, Ltd.	23,643	50,348
Helia Group, Ltd.	18,245	42,103
Highfield Resources, Ltd. (A)	13,495	4,912
HUB24, Ltd.	3,277	56,023
Humm Group, Ltd.	28,024	8,721
Imdex, Ltd.	25,654	32,425
Infomedia, Ltd.	17,584	18,761
Inghams Group, Ltd.	20,588	36,049
Insignia Financial, Ltd.	33,498	63,211
Integral Diagnostics, Ltd.	13,604	29,794
Integrated Research, Ltd. (A)	3,367	867
InvoCare, Ltd.	6,357	53,519
Ioneer, Ltd. (A)	61,614	14,069
IPH, Ltd.	10,144	53,193
IRESS, Ltd.	7,892	54,177
IVE Group, Ltd.	11,452	17,579
JB Hi-Fi, Ltd.	1,065	31,169
Johns Lyng Group, Ltd.	11,256	40,073
Jumbo Interactive, Ltd.	2,253	21,502
Jupiter Mines, Ltd.	116,266	15,106
Karoon Energy, Ltd. (A)	31,460	41,476
Kelsian Group, Ltd.	2,989	14,524
Kogan.com, Ltd. (A)	1,950	6,336
Lifestyle Communities, Ltd.	4,254	44,631
Link Administration Holdings, Ltd.	18,547	20,701
Lovisa Holdings, Ltd.	3,846	49,777
MA Financial Group, Ltd.	4,146	14,104
Macmahon Holdings, Ltd.	112,440	11,579
Macquarie Technology Group, Ltd. (A)	246	11,211
Magellan Financial Group, Ltd.	1,591	10,136
Mayne Pharma Group, Ltd.	4,957	14,583
McMillan Shakespeare, Ltd.	3,346	40,357
McPherson's, Ltd.	9,168	2,406
Megaport, Ltd. (A)	4,765	23,216
Mesoblast, Ltd. (A)	12,985	9,915
Metals X, Ltd. (A)	48,765	9,311
Metcash, Ltd.	19,813	49,736
Michael Hill International, Ltd.	16,629	9,913
MMA Offshore, Ltd. (A)	25,635	19,680
Monadelphous Group, Ltd.	5,646	44,169
Monash IVF Group, Ltd.	21,798	16,657
Mount Gibson Iron, Ltd. (A)	19,096	5,549
Myer Holdings, Ltd.	63,302	25,001
MyState, Ltd.	5,689	12,033
Nanosonics, Ltd. (A)	11,541	36,707
Navigator Global Investments, Ltd.	11,684	10,323
Netwealth Group, Ltd.	4,931	45,787
New Hope Corp., Ltd.	17,528	56,782
Newcrest Mining, Ltd. (Toronto Stock Exchange)	2,787	49,628
nib holdings, Ltd.	22,359	126,100
Nick Scali, Ltd.	5,272	32,137

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Nickel Industries, Ltd.	57,059	\$ 33,959
Nine Entertainment Company Holdings, Ltd.	57,796	76,036
Novonix, Ltd. (A)	10,082	6,672
NRW Holdings, Ltd.	25,786	43,574
Nufarm, Ltd.	21,032	71,615
Objective Corp., Ltd.	921	8,462
OceanaGold Corp.	38,000	74,867
OFX Group, Ltd. (A)	14,134	18,661
Omni Bridgeway, Ltd. (A)	15,737	27,485
oOh!media, Ltd.	31,712	25,009
Orora, Ltd.	40,091	88,083
Pacific Current Group, Ltd.	1,717	8,481
Pact Group Holdings, Ltd.	11,275	4,970
Paladin Energy, Ltd. (A)	119,046	58,550
Panoramic Resources, Ltd. (A)	68,650	4,242
Pantoro, Ltd. (A)	92,251	4,461
Peet, Ltd.	13,800	11,378
PeopleIN, Ltd.	4,962	7,775
Perenti, Ltd. (A)	35,432	24,281
Perpetual, Ltd.	3,957	68,429
Perseus Mining, Ltd.	68,083	75,632
PEXA Group, Ltd. (A)	4,479	40,766
Pinnacle Investment Management Group, Ltd.	5,460	36,704
Platinum Asset Management, Ltd.	22,136	25,736
Poseidon Nickel, Ltd. (A)	71,048	1,759
Praemium, Ltd.	28,131	12,727
Premier Investments, Ltd.	3,053	41,422
Propel Funeral Partners, Ltd.	2,859	7,992
PSC Insurance Group, Ltd.	5,616	20,559
PWR Holdings, Ltd.	4,736	27,440
Ramelius Resources, Ltd.	38,169	32,456
ReadyTech Holdings, Ltd. (A)	4,809	10,608
Red 5, Ltd. (A)	261,310	33,483
Redbubble, Ltd. (A)	13,929	3,444
Regis Healthcare, Ltd.	9,267	13,703
Regis Resources, Ltd.	35,749	44,072
Resolute Mining, Ltd. (A)	88,090	23,160
Ridley Corp., Ltd.	19,540	26,047
RPMGlobal Holdings, Ltd. (A)	6,670	6,560
Sandfire Resources, Ltd. (A)	21,317	84,648
Select Harvests, Ltd.	7,081	19,598
Servcorp, Ltd.	3,171	6,333
Service Stream, Ltd.	27,275	14,728
Seven West Media, Ltd. (A)	85,038	21,350
SG Fleet Group, Ltd.	8,938	13,713
Sierra Rutile Holdings, Ltd. (A)	14,764	2,474
Sigma Healthcare, Ltd.	86,903	48,749
Silver Lake Resources, Ltd. (A)	48,508	31,629
Silver Mines, Ltd. (A)	77,466	9,375
Sims, Ltd.	7,974	84,119
SmartGroup Corp., Ltd.	8,029	42,539
SolGold PLC (A)	65,333	13,161
Solvar, Ltd.	9,169	9,469
Southern Cross Media Group, Ltd.	17,291	9,967
SRG Global, Ltd.	35,644	17,852
St. Barbara, Ltd. (A)	33,249	10,800
Super Retail Group, Ltd.	7,649	58,525
Superloop, Ltd. (A)	22,967	8,884
Symbio Holdings, Ltd.	2,522	3,396
Syrah Resources, Ltd. (A)	49,135	29,866
Tabcorp Holdings, Ltd.	93,926	69,670
Technology One, Ltd.	7,370	77,283
Temple & Webster Group, Ltd. (A)	4,468	17,647

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Ten Sixty Four, Ltd. (B)	8,127	\$ 3,086
Terracom, Ltd.	32,978	9,256
The Reject Shop, Ltd. (A)	2,561	7,768
The Star Entertainment Group, Ltd. (A)	71,717	55,401
Tyro Payments, Ltd. (A)	10,423	7,966
United Malt Grp, Ltd. (A)	15,585	45,832
Viva Energy Group, Ltd. (C)	23,650	47,528
Vulcan Energy Resources, Ltd. (A)	3,849	10,819
Webjet, Ltd. (A)	16,369	75,664
West African Resources, Ltd. (A)	42,178	24,641
Westgold Resources, Ltd. (A)	18,696	18,144
Zip Company, Ltd. (A)	18,285	5,070
		6,181,877
Austria - 1.5%		
Addiko Bank AG (A)	668	8,886
Agrana Beteiligungs AG	724	13,713
ams AG (A)(D)	11,874	85,575
ANDRITZ AG	2,906	162,068
AT&S Austria Technologie & Systemtechnik AG (D)	1,188	42,682
BAWAG Group AG (A)(C)	3,812	175,742
CA Immobilien Anlagen AG (D)	1,426	41,352
DO & Company AG (A)	278	37,985
EVN AG	2,014	44,564
Fabasoft AG	599	12,377
FACC AG (A)	1,116	7,421
IMMOFINANZ AG (A)	1,270	23,518
Kapsch TrafficCom AG (A)	191	2,385
Kontron AG (D)	2,318	45,854
Lenzing AG (A)(D)	391	19,158
Mayr Melnhof Karton AG	378	55,417
Oesterreichische Post AG (D)	1,378	49,201
Palfinger AG	876	26,665
POLYTEC Holding AG (D)	995	5,119
Porr AG	876	12,395
Raiffeisen Bank International AG (A)	6,265	99,419
RHI Magnesita NV	1,095	37,039
RHI Magnesita NV (London Stock Exchange)	545	18,366
Rosenbauer International AG (A)(D)	174	5,769
Schoeller-Bleckmann Oilfield Equipment AG	710	41,124
Semperit AG Holding (D)	822	18,737
Telekom Austria AG (A)	4,436	32,828
UBM Development AG (D)	411	11,756
UNIQA Insurance Group AG	3,329	26,710
Vienna Insurance Group AG	1,157	30,250
voestalpine AG	4,895	175,909
Wienerberger AG	4,676	143,136
Zumtobel Group AG	2,545	20,521
		1,533,641
Belgium - 1.5%		
Ackermans & van Haaren NV	982	161,684
AGFA-Gevaert NV (A)	6,780	16,658
Atenor (D)	222	6,353
Azelis Group NV	898	20,489
Barco NV	3,257	81,254
Bekaert SA	1,389	62,953
Biocartis Group NV (A)(C)(D)	4,063	1,611
bpost SA	4,236	18,611
Cie d'Entreprises CFE	416	4,203
Deceuninck NV	2,515	6,263
Deme Group NV (A)	416	56,837
Econocom Group SA/NV	6,435	18,636
Etablissements Franz Colruyt NV	2,147	80,072

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Belgium (continued)		
Euronav NV	4,264	\$ 64,696
Euronav NV (New York Stock Exchange)	2,324	35,371
EVS Broadcast Equipment SA	811	18,941
Exmar NV	1,567	18,250
Fagron	2,712	45,665
Galapagos NV (A)	1,566	63,715
Gimv NV	1,044	49,756
Immobel SA	209	7,942
Ion Beam Applications	1,305	21,777
Kinopolis Group NV	585	26,347
Lotus Bakeries NV	21	166,742
Melexis NV	863	84,745
Ontex Group NV (A)	3,927	29,520
Orange Belgium SA (A)	417	6,314
Proximus SADP	6,084	45,370
Recticel SA	2,296	27,337
Sipef NV	420	25,984
Telenet Group Holding NV	1,717	38,691
Tessenderlo Group SA	1,111	36,397
Van de Velde NV	377	13,587
VGP NV	462	45,200
Viohalco SA	7,173	45,796
X-Fab Silicon Foundries SE (A)(C)	3,484	37,743
		1,491,510
Bermuda - 0.2%		
Hiscox, Ltd.	14,943	207,172
Cambodia - 0.0%		
NagaCorp, Ltd. (A)	52,981	28,000
Canada - 10.9%		
5N Plus, Inc. (A)	3,515	8,650
Acadian Timber Corp.	800	10,157
Advantage Energy, Ltd. (A)	9,000	58,766
Aecon Group, Inc.	3,200	29,880
Africa Oil Corp.	22,402	47,687
Ag Growth International, Inc.	1,100	42,074
AGF Management, Ltd., Class B	4,298	25,501
Aimia, Inc. (A)	7,777	19,373
AirBoss of America Corp.	1,500	7,756
Alamos Gold, Inc., Class A	22,405	266,881
Algoma Central Corp.	700	8,005
Altius Minerals Corp.	1,700	28,103
Altus Group, Ltd.	2,318	76,867
Amerigo Resources, Ltd.	13,502	15,696
Andlauer Healthcare Group, Inc. (D)	1,218	40,914
Andrew Peller, Ltd., Class A (D)	2,300	7,118
Aritzia, Inc. (A)	4,845	134,515
Ascot Resources, Ltd. (A)	13,700	5,378
Atco, Ltd., Class I	2,918	86,874
Athabasca Oil Corp. (A)	35,674	77,286
ATS Corp. (A)	4,247	195,399
AutoCanada, Inc. (A)	1,985	28,799
B2Gold Corp.	50,543	180,081
B2Gold Corp. (NYSE American Exchange)	5,393	19,253
Badger Infrastructure Solutions, Ltd.	1,832	37,200
Ballard Power Systems, Inc. (A)(D)	9,718	42,547
Bausch Health Companies, Inc. (A)	5,200	41,608
Baytex Energy Corp. (A)	19,253	62,784
Birch Mountain Resources, Ltd. (A)(B)	9,200	1
Birchcliff Energy, Ltd.	11,933	70,621
Bird Construction, Inc.	4,995	31,823
Black Diamond Group, Ltd.	2,750	12,559
BlackBerry, Ltd. (A)	17,634	97,704
BMTC Group, Inc.	500	6,039
Bombardier, Inc., Class B (A)	3,969	195,671
Boralex, Inc., Class A	3,277	89,225

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Boyd Group Services, Inc.	1,160	\$ 221,317
Brookfield Infrastructure Corp., Class A	1,086	49,523
Calian Group, Ltd.	605	28,100
Calibre Mining Corp. (A)	11,500	12,066
Canaccord Genuity Group, Inc.	5,281	33,287
Canacol Energy, Ltd.	1,513	12,026
Canada Goose Holdings, Inc. (A)(D)	2,213	39,390
Canadian Western Bank	5,015	93,581
Canfor Corp. (A)	2,404	43,153
Canfor Pulp Products, Inc. (A)	2,715	4,181
Capital Power Corp.	6,027	191,536
Capstone Copper Corp. (A)	29,467	133,683
Cardinal Energy, Ltd.	5,530	27,467
Cascades, Inc.	5,723	50,502
Celestica, Inc. (A)	3,019	43,824
Celestica, Inc. (New York Stock Exchange) (A)	3,200	46,400
Centerra Gold, Inc.	9,077	54,404
CES Energy Solutions Corp.	18,429	36,448
China Gold International Resources Corp., Ltd.	18,050	68,262
CI Financial Corp.	6,700	76,066
Cineplex, Inc. (A)	1,227	8,216
Cogeco Communications, Inc.	563	30,042
Cogeco, Inc.	445	18,767
Colliers International Group, Inc.	980	96,169
Computer Modelling Group, Ltd.	4,420	22,221
Corby Spirit and Wine, Ltd.	700	7,503
Corus Entertainment, Inc., B Shares	11,806	11,675
Crescent Point Energy Corp.	9,419	63,421
Crescent Point Energy Corp. (New York Stock Exchange)	16,800	113,064
Crew Energy, Inc. (A)	8,100	33,262
Cronos Group, Inc. (A)	5,470	10,777
Cronos Group, Inc. (Nasdaq Exchange) (A)	7,260	14,302
Denison Mines Corp. (A)	33,624	42,133
Dexterra Group, Inc.	1,621	7,024
Doman Building Materials Group, Ltd.	3,600	17,800
Dorel Industries, Inc., Class B (A)	1,800	6,237
DREAM Unlimited Corp., Class A	1,350	21,023
Dundee Precious Metals, Inc.	7,687	50,773
Dye & Durham, Ltd.	590	8,066
E-L Financial Corp., Ltd.	100	69,934
Eldorado Gold Corp. (A)	9,374	94,890
Endeavour Silver Corp. (A)	6,945	20,184
Enerflex, Ltd.	6,400	43,577
Enerplus Corp.	10,813	156,716
Enghouse Systems, Ltd.	1,800	43,738
Ensign Energy Services, Inc. (A)(D)	9,800	13,982
EQB, Inc.	1,392	73,554
Equinox Gold Corp. (A)	12,552	57,513
ERO Copper Corp. (A)	2,900	58,668
Evertz Technologies, Ltd.	1,900	19,721
Exchange Income Corp.	568	22,471
Exco Technologies, Ltd.	1,500	9,036
Extencare, Inc.	6,230	33,531
Fiera Capital Corp.	5,935	28,941
Finning International, Inc.	7,281	223,967
Firm Capital Mortgage Investment Corp.	1,100	8,478
First Majestic Silver Corp.	9,281	52,474
First Majestic Silver Corp. (New York Stock Exchange)	1,582	8,938
First Mining Gold Corp. (A)	39,000	5,005
First National Financial Corp.	700	20,063
Fission Uranium Corp. (A)	19,500	8,979

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Fortuna Silver Mines, Inc. (A)	14,300	\$ 46,524
Freehold Royalties, Ltd.	5,429	55,079
Frontera Energy Corp. (A)	2,200	18,284
Galiano Gold, Inc. (A)	6,600	3,986
Gamehost, Inc.	100	710
GDI Integrated Facility Services, Inc. (A)	300	9,448
Gibson Energy, Inc.	6,006	94,437
goeasy, Ltd.	372	31,052
GoGold Resources, Inc. (A)	5,300	6,081
Gran Tierra Energy, Inc. (A)	2,516	12,307
Guardian Capital Group, Ltd., Class A	1,100	34,875
Hanfeng Evergreen, Inc. (A)(B)	200	0
Headwater Exploration, Inc.	9,290	44,530
Heroux-Devtek, Inc. (A)	2,700	31,265
High Liner Foods, Inc.	1,773	18,617
HLS Therapeutics, Inc.	700	3,044
Home Capital Group, Inc.	3,379	109,959
Hudbay Minerals, Inc.	13,410	64,279
IAMGOLD Corp. (A)	24,627	65,251
Imperial Metals Corp. (A)(D)	5,060	7,066
Information Services Corp.	800	12,796
Innervex Renewable Energy, Inc.	8,000	74,520
Interfor Corp. (A)	2,920	55,061
International Petroleum Corp. (A)	337	2,760
International Petroleum Corp. (Nasdaq Stockholm Exchange) (A)	3,496	28,628
International Tower Hill Mines, Ltd. (A)	2,300	955
Jamieson Wellness, Inc. (C)	2,200	49,837
K92 Mining, Inc. (A)	1,930	8,377
KAB Distribution, Inc. (A)(B)	7,076	0
Karora Resources, Inc. (A)	4,800	14,674
K-Bro Linen, Inc.	600	14,185
Kelt Exploration, Ltd. (A)	10,445	44,074
Keyera Corp.	806	18,587
Kinaxis, Inc. (A)	346	49,442
Knight Therapeutics, Inc. (A)	5,400	20,137
Labrador Iron Ore Royalty Corp.	2,318	54,383
Largo, Inc. (A)	780	3,309
Lassonde Industries, Inc., Class A	200	15,786
Laurentian Bank of Canada	1,514	37,783
Leon's Furniture, Ltd.	1,883	31,200
Lightspeed Commerce, Inc. (A)	5,593	94,613
Linamar Corp.	1,966	103,320
Logan Energy Corp. (A)(B)	1,796	0
Logistec Corp., Class B	700	33,823
Lucara Diamond Corp. (A)	25,184	8,745
Lundin Gold, Inc.	4,258	50,945
Magellan Aerospace Corp.	900	5,666
Mainstreet Equity Corp. (A)	400	39,857
Major Drilling Group International, Inc. (A)	4,513	31,137
Manitok Energy, Inc. (A)(B)	16	0
Maple Leaf Foods, Inc.	4,140	80,878
Martinrea International, Inc.	4,603	46,039
MDA, Ltd. (A)	1,987	12,254
Medical Facilities Corp.	2,104	13,166
MEG Energy Corp. (A)	10,188	161,501
Melcor Developments, Ltd.	1,000	8,568
Methanex Corp.	3,089	127,641
Morguard Corp.	400	30,798
Mountain Province Diamonds, Inc. (A)	6,800	2,387
MTY Food Group, Inc.	742	33,937
Mullen Group, Ltd.	3,682	42,191
New Gold, Inc. (A)	34,515	37,518
NFI Group, Inc. (D)	2,960	25,517

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
North American Construction Group, Ltd.	2,100	\$ 40,185
Nuvei Corp. (A)(C)	1,646	48,607
NuVista Energy, Ltd. (A)	9,305	74,595
Onex Corp.	878	48,495
Organigram Holdings, Inc. (A)	8,928	3,370
Orla Mining, Ltd. (A)	11,140	46,755
Osisko Gold Royalties, Ltd.	9,524	146,374
Osisko Mining, Inc. (A)	12,850	31,234
Paramount Resources, Ltd., Class A	5,173	112,461
Parex Resources, Inc.	5,516	110,591
Park Lawn Corp.	1,792	32,911
Parkland Corp.	6,819	169,864
Pason Systems, Inc.	3,936	34,138
Peyto Exploration & Development Corp.	5,797	47,960
PHX Energy Services Corp.	2,600	11,894
Pine Cliff Energy, Ltd. (D)	11,000	11,874
Pizza Pizza Royalty Corp.	1,729	19,329
Polaris Renewable Energy, Inc.	1,500	16,135
Pollard Banknote, Ltd.	1,000	19,475
PolyMet Mining Corp. (A)	1,185	930
PrairieSky Royalty, Ltd.	11,227	196,277
Precision Drilling Corp. (A)	782	38,175
Premium Brands Holdings Corp.	2,000	157,811
Quarterhill, Inc.	9,800	10,911
Questerre Energy Corp., Class A (A)	19,444	3,082
Real Matters, Inc. (A)	3,500	16,011
RF Capital Group, Inc. (A)	185	1,318
Richelieu Hardware, Ltd.	2,000	63,257
Rogers Sugar, Inc.	6,474	28,198
Russel Metals, Inc.	2,746	76,073
Savaria Corp.	2,300	29,341
Seabridge Gold, Inc. (A)	2,830	34,116
Secure Energy Services, Inc.	13,477	64,498
ShawCor, Ltd. (A)	4,173	60,355
Sienna Senior Living, Inc.	3,606	31,358
SilverCrest Metals, Inc. (A)	100	586
Sleep Country Canada Holdings, Inc. (C)	2,113	45,793
SNC-Lavalin Group, Inc.	7,843	205,733
Spartan Delta Corp.	1,796	6,440
Spin Master Corp. (C)	1,400	37,041
Sprott, Inc.	1,329	43,028
Stelco Holdings, Inc.	2,075	67,697
Stella-Jones, Inc.	2,800	144,190
Superior Plus Corp.	7,557	54,135
Surge Energy, Inc.	2,103	11,176
Tamarack Valley Energy, Ltd.	20,085	48,668
Taseko Mines, Ltd. (A)	16,100	23,091
Tecsys, Inc.	609	12,808
TELUS Corp.	1,384	26,933
TerraVest Industries, Inc.	600	13,135
The North West Company, Inc.	2,706	64,139
Tidewater Midstream and Infrastructure, Ltd.	6,650	4,694
Tilray Brands, Inc. (A)	114	176
Timbercreek Financial Corp.	6,000	33,742
TLC Vision Corp. (A)(B)	3,400	0
Torex Gold Resources, Inc. (A)	5,460	77,567
Total Energy Services, Inc.	3,132	20,781
TransAlta Corp.	9,482	88,754
TransAlta Renewables, Inc.	6,098	52,384
Transcontinental, Inc., Class A	4,783	52,930
Trevali Mining Corp. (A)(B)	3,713	259
Trican Well Service, Ltd.	16,409	43,724
Tricon Residential, Inc.	9,919	87,453
Triple Flag Precious Metals Corp.	828	11,394

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Trisura Group, Ltd. (A)	2,500	\$ 70,900
Uni-Select, Inc. (A)	3,401	120,790
Vecima Networks, Inc.	479	6,346
Vermilion Energy, Inc.	6,400	79,810
Wajax Corp.	1,300	24,474
Wesdome Gold Mines, Ltd. (A)	7,800	40,627
Western Copper & Gold Corp. (A)	5,400	8,316
Western Forest Products, Inc.	25,850	20,294
Westshore Terminals Investment Corp.	2,189	51,621
Whitecap Resources, Inc.	12,597	88,148
WildBrain, Ltd. (A)	10,382	12,461
Winpak, Ltd.	1,177	36,614
Yellow Pages, Ltd.	140	1,318
Zenith Capital Corp. (A)	1,700	170
		10,892,933
China - 0.0%		
AustAsia Group, Ltd. (A)	4,540	1,776
Fosun Tourism Group (A)(C)	11,400	10,776
		12,552
Denmark - 2.7%		
ALK-Abello A/S (A)	5,254	57,406
Alm Brand A/S	33,083	51,822
Amagerbanken A/S (A)(B)	25,580	0
Ambu A/S, Class B (A)	2,405	39,426
Bang & Olufsen A/S (A)	7,788	12,068
Bavarian Nordic A/S (A)(D)	3,556	101,297
Better Collective A/S (A)	2,021	41,781
Cadeler A/S (A)	2,970	12,450
CBrain A/S (D)	389	8,857
Chemometec A/S (A)	801	54,817
Columbus A/S	6,187	5,988
D/S Norden A/S	1,347	67,260
Dfds A/S	1,767	64,383
FLSmidth & Company A/S	3,054	147,948
GN Store Nord A/S (A)	3,190	79,777
H Lundbeck A/S	17,205	81,902
H+H International A/S, Class B (A)	1,146	13,729
ISS A/S	7,129	150,811
Jeudan A/S	380	14,308
Jyske Bank A/S (A)	2,263	172,152
Lan & Spar Bank A/S	198	19,162
Matas A/S	2,910	42,914
Netcompany Group A/S (A)(C)	1,473	61,024
Nilfisk Holding A/S (A)	1,220	22,479
NKT A/S (A)	1,889	114,626
NKT A/S, Rights Offering (A)(D)	624	37,841
NNIT A/S (A)(C)	479	5,580
NTG Nordic Transport Group A/S (A)	635	40,174
Per Aarsleff Holding A/S	883	43,416
Ringkjøbing Landbobank A/S	1,156	165,709
ROCKWOOL A/S, B Shares	133	34,395
Royal Unibrew A/S	2,134	191,021
Scandinavian Tobacco Group A/S (C)	3,178	52,935
Schouw & Company A/S	666	52,640
SimCorp A/S	1,476	156,393
Solar A/S, B Shares	410	30,347
SP Group A/S	368	14,192
Spar Nord Bank A/S	4,267	66,780
Sparekassen Sjælland-Fyn A/S	1,012	27,802
Sydbank A/S	3,132	144,816
TCM Group A/S (A)	507	4,937
Tivoli A/S	102	11,455
Topdanmark A/S	1,997	98,168
UIE PLC	1,280	33,967
Vestjysk Bank A/S	22,473	11,757

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Denmark (continued)		
Zealand Pharma A/S (A)	1,618	\$ 58,081
		2,720,793
Finland - 2.2%		
Aktia Bank OYJ	3,501	35,561
Alma Media OYJ	1,962	19,780
Bittium OYJ	2,708	12,437
Cargotec OYJ, B Shares	2,007	110,445
Caverion OYJ	2,277	21,181
Citycon OYJ (A)	4,136	26,287
Enento Group OYJ (A)(C)	860	19,777
EQ OYJ	483	9,007
Finnair OYJ (A)	44,891	27,715
Fiskars OYJ ABP	2,196	37,060
F-Secure OYJ	7,159	18,271
Harvia OYJ	846	21,318
HKScan OYJ, A Shares (A)	316	264
Huhtamaki OYJ	3,864	126,811
Kamux Corp. (D)	1,688	9,996
Kemira OYJ	4,940	78,805
Kojamo OYJ	4,092	38,465
Konecranes OYJ	2,027	81,638
Lassila & Tikanoja OYJ	1,929	20,989
Marimekko OYJ	1,923	19,073
Metsa Board OYJ, B Shares	7,990	58,945
Musti Group OYJ (A)	1,222	23,863
Nokian Renkaat OYJ	4,287	37,387
Olvi OYJ, A Shares	721	22,818
Oma Saastopankki OYJ	490	10,380
Oriola OYJ, B Shares	9,290	13,034
Orion OYJ, Class A	711	30,104
Orion OYJ, Class B	3,859	160,153
Outokumpu OYJ	16,239	86,926
Pihlajalinna OYJ (A)	1,193	12,220
Ponsse OYJ	543	18,956
Puutila OYJ	1,645	13,010
QT Group OYJ (A)	770	64,200
Raisio OYJ, V Shares	8,267	18,470
Rapala VMC OYJ	908	3,583
Revenio Group OYJ	1,101	38,114
Rovio Entertainment OYJ (C)	1,630	16,239
Sanoma OYJ	2,692	19,501
Taaleri OYJ	956	9,743
Talenom OYJ	637	5,060
Terveystalo OYJ (C)	4,887	44,076
TietoEVRY OYJ	4,031	111,291
Tokmanni Group Corp.	2,438	31,874
Uponor OYJ	2,530	79,182
Vaisala OYJ, A Shares	952	43,773
Valmet OYJ	7,336	204,209
Verkkokauppa.com OYJ (D)	1,047	2,959
Wartsila OYJ ABP	18,553	209,204
WithSecure OYJ (A)	7,159	9,151
YIT OYJ	8,449	19,665
		2,152,970
France - 5.0%		
AKWEL	725	10,688
ALD SA (C)	7,805	83,576
Altamir	752	22,730
Alten SA	1,325	208,959
Atos SE (A)	2,440	34,912
Aubay	135	7,016
Axway Software SA	531	12,062
Bastide le Confort Medical (A)	256	7,995
Beneteau SA	2,839	48,019
Bigben Interactive	1,198	6,961

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Boiron SA	274	\$ 11,723
Bonduelle SCA	1,027	12,451
Burelle SA	15	7,189
Casino Guichard Perrachon SA (A)(D)	2,173	9,659
Catana Group	1,588	12,153
Cegedim SA (A)	495	11,551
CGG SA (A)	42,425	32,197
Chargeurs SA	1,552	18,774
Cie des Alpes	998	15,075
Cie Plastic Omnium SA	2,278	40,067
Claranova SE (A)(D)	1,250	2,306
Clariane SE	3,776	27,463
Coface SA	6,169	85,095
DBV Technologies SA (A)	1,786	6,588
Derichebourg SA	6,625	36,862
Ekinops SAS (A)	1,302	11,271
Electricite de Strasbourg SA	31	2,943
Elior Group SA (A)(C)	8,308	23,792
Elis SA	8,533	165,995
Equasens	290	26,828
Eramet SA	565	51,678
Etablissements Maurel et Prom SA	6,372	27,157
Eurazeo SE	1,837	129,336
Eutelsat Communications SA (D)	6,192	40,396
Exclusive Networks SA	708	15,072
Exel Industries, A Shares	89	4,826
Fnac Darty SA	1,052	39,387
Forvia (A)	7,066	166,766
Gaztransport Et Technigaz SA	1,112	113,202
Genfit SA (A)	2,919	11,154
Groupe Crit	163	13,163
Guerbet	326	6,048
Haulotte Group SA	962	3,310
ID Logistics Group (A)	176	51,886
Imerys SA	1,845	71,915
Infotel SA	348	21,859
Interparfums SA	867	61,828
IPSOS	2,460	136,883
Jacquet Metals SACA	1,024	21,232
JCDecaux SE (A)	1,836	36,599
Kaufman & Broad SA	901	26,645
La Francaise des Jeux SAEM (C)	946	37,233
Laurent-Perrier	110	15,497
Lectra	652	19,418
LISI	419	12,039
LNA Sante SA	166	5,216
Lumibird (A)	632	10,202
Maisons du Monde SA (C)	1,925	19,385
Manitou BF SA	880	23,514
Mersen SA	1,369	62,051
Metropole Television SA	1,324	18,756
Nacon SA (A)	207	447
Neoen SA (C)	1,900	60,231
Nexans SA	991	85,940
Nexity SA	1,974	39,910
NRJ Group	782	5,871
OVH Groupe SAS (A)(D)	146	1,509
Pierre Et Vacances SA (A)	10,785	18,989
Plastivoire (A)	383	1,371
Quadiant SA	2,171	44,711
Recylex SA (A)(B)	1,058	0
Rexel SA	10,217	252,503
Robertet SA	12	10,922
Rothschild & Company	1,588	80,691
Rubis SCA	3,866	93,917

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Samsø SA	48	\$ 10,243
Savencia SA	372	23,631
SCOR SE	6,613	194,406
SEB SA	741	76,630
Seche Environnement SA	126	15,564
SES-imagotag SA (A)	167	17,136
SMCP SA (A)(C)	1,921	16,745
Societe BIC SA	1,252	71,765
Societe LDC SA	212	26,824
Societe pour l'Informatique Industrielle	438	25,761
SOITEC (A)	1,009	170,698
Solocal Group (A)	6,121	880
Sopra Steria Group SACA	690	137,756
SPIE SA	5,882	190,219
Stef SA	202	23,980
Synergie SE	557	19,515
Technicolor Creative Studios SA (A)	9,713	361
Technip Energies NV	6,139	141,419
Television Francaise 1	3,803	26,126
Thermador Groupe	453	40,739
Tikehau Capital SCA (D)	2,057	50,855
Trigano SA	463	66,400
Ubisoft Entertainment SA (A)	4,551	128,636
Valeo	8,798	189,063
Vallourec SA (A)	5,161	61,096
Vantiva SA (A)	9,713	2,250
Verallia SA (C)	3,490	131,092
Vicat SA	1,201	38,172
Vilmorin & Cie SA	614	41,955
Virbac SA	232	68,539
Volitalia SA (A)	1,403	22,324
Wavestone	331	18,103
Xilam Animation SA (A)	215	6,193
		5,028,641
Gabon - 0.0%		
Totalenergies EP Gabon	20	3,976
Georgia - 0.1%		
Georgia Capital PLC (A)	1,145	12,093
TBC Bank Group PLC	1,781	55,870
		67,963
Germany - 5.7%		
1&1 AG	2,192	24,124
7C Solarparken AG	3,282	13,377
Adesso SE	207	27,977
Adtran Networks SE (A)	804	17,351
All for One Group SE	130	5,935
Allgeier SE (D)	498	13,726
Amadeus Fire AG	264	32,210
Atoss Software AG	218	49,364
Aurubis AG	1,560	133,944
Auto1 Group SE (A)(C)	3,943	36,628
Basler AG	486	9,077
BayWa AG	669	27,568
Bechtle AG	3,835	152,298
Bertrandt AG	394	21,059
Bijou Brigitte AG	340	18,305
Bilfinger SE	1,781	69,282
Borussia Dortmund GmbH & Company KGaA (A)	4,276	20,374
CANCOM SE	1,316	39,879
CECONOMY AG (A)	8,144	20,473
CENIT AG	446	6,279
Cewe Stiftung & Company KGAA	268	26,682

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
CompuGroup Medical SE & Company KGaA	1,368	\$ 67,398
CropEnergies AG	1,544	16,903
CTS Eventim AG & Company KGaA	2,602	164,567
Dermapharm Holding SE	849	41,985
Deutsche Beteiligungs AG	1,067	33,667
Deutsche Pfandbriefbank AG (C)(D)	6,014	44,026
Deutz AG	3,432	20,194
DIC Asset AG	3,005	16,685
Dr. Hoenle AG (A)(D)	420	10,588
Draegerwerk AG & Company KGaA	82	3,367
Duerr AG	2,868	92,882
DWS Group GmbH & Company KGaA (C)	891	27,288
Eckert & Ziegler Strahlen- und Medizintechnik AG	808	32,103
Elmos Semiconductor SE	454	37,296
ElringKlinger AG	2,576	23,210
Encavis AG (A)	5,880	96,585
Energiekontor AG	454	34,767
Evotec SE (A)	2,387	53,771
Fielmann AG	1,241	66,131
flatexDEGIRO AG (A)	2,072	20,558
Fraport AG Frankfurt Airport Services Worldwide (A)	2,067	110,334
Freenet AG	5,773	144,976
Fuchs Petrolub SE	2,106	67,509
Gerresheimer AG	1,680	189,126
GFT Technologies SE	961	27,113
GRENKE AG	983	28,673
H&R GmbH & Company KGaA	1,324	7,516
Hamburger Hafen und Logistik AG	1,330	16,482
Heidelberger Druckmaschinen AG (A)	18,003	28,144
HelloFresh SE (A)	4,402	108,874
Hensoldt AG	2,082	68,383
HOCHTIEF AG	1,110	96,037
Hornbach Holding AG & Company KGaA	497	39,206
HUGO BOSS AG	2,702	211,193
Indus Holding AG	975	27,467
Init Innovation in Traffic Systems SE	364	11,804
Instone Real Estate Group SE (C)	2,299	13,809
IVU Traffic Technologies AG	665	11,027
Jenoptik AG	2,990	102,723
JOST Werke SE (C)	517	28,010
K+S AG	7,752	135,175
KION Group AG	314	12,658
Kloockner & Company SE	2,892	30,548
Knaus Tabbert AG	203	13,399
Koenig & Bauer AG (A)	912	18,916
Krones AG	775	94,089
KWS Saat SE & Company KGaA	556	34,185
LANXESS AG	3,805	114,799
LEG Immobilien SE (A)	497	28,676
Leifheit AG	437	9,228
Manz AG (A)	233	4,845
Medigene AG (A)	760	1,563
Medios AG (A)	842	14,333
METRO AG (A)	6,195	50,326
MLP SE	5,864	36,488
Nagarro SE (A)(D)	394	34,266
New Work SE	128	17,276
Nexus AG	200	12,321
Nordex SE (A)(D)	4,003	48,683
Norma Group SE	1,576	29,167
OHB SE	399	13,911

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
PATRIZIA SE	2,719	\$ 32,351
Pfeiffer Vacuum Technology AG	256	41,659
PNE AG	1,645	25,439
ProSiebenSat.1 Media SE	7,531	70,272
PSI Software AG	815	29,253
Puma SE	244	14,704
PVA TePla AG (A)	1,420	29,514
Rational AG	33	23,895
SAF-Holland SE	1,157	16,167
Salzgitter AG (D)	1,529	55,398
Scout24 SE (C)	367	23,255
Secunet Security Networks AG	141	33,509
SGL Carbon SE (A)(D)	3,072	28,321
Siltronic AG	981	75,058
Sirius Real Estate, Ltd.	53,591	58,159
Sixt SE	733	87,861
SMA Solar Technology AG (A)	563	68,864
Software AG	2,610	90,729
Stabilus SE	1,440	86,562
Stroer SE & Company KGaA	1,746	84,826
Suedzucker AG	2,959	52,726
SUESS MicroTec SE	1,803	47,928
Synlab AG	1,768	17,459
TAG Immobilien AG (A)	8,916	84,315
Takkt AG	1,848	28,069
TeamViewer SE (A)(C)	6,009	96,585
Technotrans SE	530	15,035
thyssenkrupp AG	22,583	176,881
United Internet AG	2,139	30,118
va-Q-Tec AG (A)	318	9,053
Varta AG (A)(D)	741	15,199
VERBIO Vereinigte BioEnergie AG (D)	1,012	40,741
Vitesco Technologies Group AG (A)	992	81,811
Vossloh AG	859	38,454
Wacker Chemie AG	416	57,148
Wacker Neuson SE	2,039	49,463
Washtec AG	611	23,879
Westwing Group SE (A)	385	3,622
Wuestenrot & Wuerttembergische AG	1,566	26,803
Zeal Network SE (D)	461	17,358
		5,651,584
Gibraltar - 0.0%		
888 Holdings PLC (A)	15,858	19,793
Greece - 0.0%		
Alapis Holding Industrial and Commercial SA of Pharmaceutical Chemical Products (A)(B)	3,303	67
Okeanis Eco Tankers Corp. (A)(C)	733	15,805
TT Hellenic Postbank SA (A)(B)	12,594	0
		15,872
Guernsey, Channel Islands - 0.0%		
Raven Property Group, Ltd. (A)(B)	4,994	145
Hong Kong - 2.1%		
3D-Gold Jewellery Holdings, Ltd. (A)(B)	90,000	0
Aidigong Maternal & Child Health, Ltd. (A)	108,000	4,972
APAC Resources, Ltd.	18,475	2,553
Apollo Future Mobility Group, Ltd. (A)	56,000	1,117
Asia Financial Holdings, Ltd.	14,000	6,267
ASMPT, Ltd.	11,500	113,615
Associated International Hotels, Ltd.	28,000	29,176
Brightoil Petroleum Holdings, Ltd. (A)(B)	117,000	12,878
Burwill Holdings, Ltd. (A)(B)	292,000	1,192
Cafe de Coral Holdings, Ltd.	18,000	23,095

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Central New Energy Holding Group, Ltd. (A)	5,000	\$ 12,052
Chen Hsong Holdings	10,000	2,071
Cheuk Nang Holdings, Ltd.	3,708	898
China Energy Development Holdings, Ltd. (A)	634,000	7,217
China Solar Energy Holdings, Ltd. (A)(B)	42,500	0
Chinese Estates Holdings, Ltd. (A)	22,000	6,648
Chow Sang Sang Holdings International, Ltd.	22,000	24,587
Chuang's Consortium International, Ltd.	30,948	2,058
CITIC Telecom International Holdings, Ltd.	59,000	22,617
CMBC Capital Holdings, Ltd.	10,750	1,870
C-MER Eye Care Holdings, Ltd. (A)	18,000	8,710
Cowell e Holdings, Inc. (A)	8,000	14,842
Crystal International Group, Ltd. (C)	19,000	5,856
CSC Holdings, Ltd. (A)	885,000	3,967
CSI Properties, Ltd.	245,066	4,484
Dah Sing Banking Group, Ltd.	18,000	13,433
Dah Sing Financial Holdings, Ltd.	6,520	16,331
Dynamic Holdings, Ltd.	8,000	11,166
EC Healthcare	13,000	6,929
EganaGoldpfeil Holdings, Ltd. (A)(B)	103,373	0
Emperor International Holdings, Ltd.	97,333	6,345
Esprit Holdings, Ltd. (A)	176,850	13,596
Fairwood Holdings, Ltd.	3,500	5,126
Far East Consortium International, Ltd.	98,508	23,435
First Pacific Company, Ltd.	112,000	38,830
Giordano International, Ltd.	82,000	25,676
Gold-Finance Holdings, Ltd. (A)(B)	62,000	0
GR Properties, Ltd. (A)	82,000	9,815
Great Eagle Holdings, Ltd.	10,516	20,524
G-Resources Group, Ltd.	33,580	8,238
Guotai Junan International Holdings, Ltd.	207,000	15,657
Haitong International Securities Group, Ltd. (A)	125,477	10,752
Hang Lung Group, Ltd.	31,000	47,091
Hanson Construction Holdings, Ltd.	27,441	3,846
Harbour Centre Development, Ltd. (A)	38,000	35,537
HK Electric Investments, Ltd.	54,500	32,645
HKBN, Ltd.	36,000	19,414
HKR International, Ltd.	51,920	13,842
Hong Kong Ferry Holdings Company, Ltd.	29,000	20,459
Hong Kong Technology Venture Company, Ltd.	28,000	15,978
Hongkong Chinese, Ltd.	66,000	3,584
Hsin Chong Group Holdings, Ltd. (A)(B)	170,000	7,593
Hutchison Port Holdings Trust	161,400	31,205
Hutchison Telecommunications Hong Kong Holdings, Ltd.	80,000	12,686
Hysan Development Company, Ltd.	25,000	61,096
Johnson Electric Holdings, Ltd.	20,883	26,782
K Wah International Holdings, Ltd.	80,000	25,647
Kerry Logistics Network, Ltd.	16,500	19,511
Kerry Properties, Ltd.	23,500	48,889
Kowloon Development Company, Ltd.	22,000	22,699
Lai Sun Development Company, Ltd. (A)	22,980	4,197
Langham Hospitality Investments, Ltd.	22,500	2,877
Lippo China Resources, Ltd.	3,600	336
Liu Chong Hing Investment, Ltd.	16,000	12,249
Luk Fook Holdings International, Ltd.	15,000	38,511
Man Wah Holdings, Ltd.	61,600	41,239
Mandarin Oriental International, Ltd. (A)	8,000	13,221
Mason Group Holdings, Ltd. (A)	1,548,800	6,517

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
MH Development, Ltd. (A)(B)	16,000	\$ 1,066
Midland Holdings, Ltd. (A)	34,734	3,341
Miramar Hotel & Investment	15,000	22,129
Modern Dental Group, Ltd.	20,000	7,733
NewOcean Energy Holdings, Ltd. (A)(B)	66,000	296
Nissin Foods Company, Ltd.	22,000	18,850
NWS Holdings, Ltd.	64,000	72,713
Oriental Watch Holdings	18,000	10,003
Oshidori International Holdings, Ltd. (A)	204,000	5,825
Pacific Andes International Holdings, Ltd. (A)(B)	328,006	0
Pacific Basin Shipping, Ltd.	239,000	72,924
Pacific Century Premium Developments, Ltd. (A)	2,376	108
Pacific Textiles Holdings, Ltd.	42,000	9,827
Paliburg Holdings, Ltd. (A)	46,000	9,302
PC Partner Group, Ltd.	12,000	6,631
PCCW, Ltd.	156,590	81,234
Peace Mark Holdings, Ltd. (A)(B)	164,000	0
Perfect Medical Health Management, Ltd.	32,000	15,896
Pico Far East Holdings, Ltd.	60,000	10,495
Public Financial Holdings, Ltd.	24,000	6,358
Realord Group Holdings, Ltd. (A)(D)	6,000	4,756
Regal Hotels International Holdings, Ltd. (A)	36,000	15,173
Regina Miracle International Holdings, Ltd. (C)	17,000	6,185
Shangri-La Asia, Ltd. (A)	46,000	35,267
Shin Hwa World, Ltd. (A)	75,600	927
Shun Tak Holdings, Ltd. (A)	80,250	12,639
Singamas Container Holdings, Ltd.	114,000	9,325
SJM Holdings, Ltd. (A)	118,750	50,809
SmarTone Telecommunications Holdings, Ltd.	31,500	19,479
Solomon Systech International, Ltd.	72,000	4,200
South China Holdings Company, Ltd. (A)	640,000	3,762
Stella International Holdings, Ltd.	20,000	18,894
Sun Hung Kai & Company, Ltd.	45,000	17,524
SUNeVision Holdings, Ltd.	31,000	15,850
Tao Heung Holdings, Ltd.	14,000	1,451
Television Broadcasts, Ltd. (A)	19,100	11,967
Texhong International Group, Ltd.	11,000	7,249
Texwinca Holdings, Ltd.	60,000	9,131
The Bank of East Asia, Ltd.	33,715	46,636
The Hongkong & Shanghai Hotels, Ltd. (A)	31,903	28,127
Theme International Holdings, Ltd. (A)	130,000	14,633
Town Health International Medical Group, Ltd.	261,361	10,840
Tradelink Electronic Commerce, Ltd.	50,000	5,565
Transport International Holdings, Ltd.	11,721	14,833
United Laboratories International Holdings, Ltd.	42,000	35,105
Upbest Group, Ltd.	164,000	12,859
Value Partners Group, Ltd.	40,000	12,647
Vitasoy International Holdings, Ltd.	34,000	42,382
VSTECs Holdings, Ltd.	47,200	24,340
VTech Holdings, Ltd.	6,900	45,315
Wai Kee Holdings, Ltd. (A)	24,000	4,623
Wealthking Investments, Ltd. (A)	32,000	1,239
Wing On Company International, Ltd.	4,000	6,636
Wing Tai Properties, Ltd.	70,000	29,504
Yue Yuen Industrial Holdings, Ltd.	30,000	39,274
Yunfeng Financial Group, Ltd. (A)	26,000	4,001
Zensun Enterprises, Ltd. (A)	21,000	1,557

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Zhaobangji Properties Holdings, Ltd. (A)	88,000	\$ 3,992
		2,089,673
Indonesia - 0.0%		
Golden Energy Mines Tbk PT	62,851	24,380
Ireland - 0.5%		
Bank of Ireland Group PLC	9,529	90,978
C&C Group PLC	17,690	28,173
Cairn Homes PLC	24,718	31,318
COSMO Pharmaceuticals NV	753	38,082
Dalata Hotel Group PLC (A)	6,155	31,209
FBD Holdings PLC	1,936	26,960
Glanbia PLC	5,630	84,273
Glenveagh Properties PLC (A)(C)	24,326	29,731
Grafton Group PLC, CHESS Depository Interest	9,527	94,609
Greencore Group PLC (A)	23,830	22,116
Hostelworld Group PLC (A)(C)	3,065	4,942
Irish Continental Group PLC	5,309	27,111
Permanent TSB Group Holdings PLC (A)	5,786	14,008
		523,510
Isle of Man - 0.1%		
Hansard Global PLC	6,816	3,964
Playtech PLC (A)	11,001	82,408
Strix Group PLC	6,042	7,871
		94,243
Israel - 1.3%		
Adgar Investment and Development, Ltd.	4,535	5,231
AFI Properties, Ltd. (A)	603	22,426
Africa Israel Residences, Ltd.	355	17,090
Airport City, Ltd. (A)	1	8
Allot, Ltd. (A)	2,103	6,362
Alrov Properties and Lodgings, Ltd.	399	18,256
Arad, Ltd.	787	12,251
AudioCodes, Ltd.	1,269	11,586
Aura Investments, Ltd.	10,003	18,181
Automatic Bank Services, Ltd.	1,109	4,823
Azorim-Investment Development & Construction Company, Ltd. (A)	3,848	11,733
Bet Shemesh Engines Holdings 1997, Ltd. (A)	358	9,654
BioLine RX, Ltd. (A)	48,850	5,197
Blue Square Real Estate, Ltd.	215	12,492
Carasso Motors, Ltd.	2,020	9,056
Cellcom Israel, Ltd. (A)	4,807	16,682
Clal Biotechnology Industries, Ltd. (A)	1	0
Clal Insurance Enterprises Holdings, Ltd. (A)	2,090	32,592
Danel Adir Yeoshua, Ltd.	253	17,953
Delek Automotive Systems, Ltd.	1,858	14,259
Delta Galil, Ltd.	618	24,264
Dor Alon Energy in Israel 1988, Ltd.	420	7,791
Electra Consumer Products 1970, Ltd.	445	11,086
Electra Real Estate, Ltd.	1,543	17,644
Equital, Ltd. (A)	1,096	30,834
Formula Systems 1985, Ltd.	549	40,429
Fox Wizel, Ltd.	228	18,754
Gav-Yam Lands Corp., Ltd.	3,034	21,443
Gilat Satellite Networks, Ltd. (A)	1,452	8,861
Hamat Group, Ltd. (A)	1,230	5,165
Hilana, Ltd.	803	39,839
IDI Insurance Company, Ltd.	440	9,969
IES Holdings, Ltd. (A)	120	8,851
Ilex Medical, Ltd.	211	3,939
Inrom Construction Industries, Ltd.	4,264	14,757

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Israel (continued)		
Isracard, Ltd.	6,691	\$ 27,972
Israel Canada T.R, Ltd.	6,076	14,082
Israel Discount Bank, Ltd., Class A	1	4
Israel Land Development Company, Ltd.	789	6,204
Isras Investment Company, Ltd.	142	26,177
Issta, Ltd.	219	4,635
Kamada, Ltd. (A)	1,616	8,539
Kerur Holdings, Ltd.	418	9,147
Levinstein Properties, Ltd.	267	5,488
M Yochananof & Sons, Ltd.	155	6,893
Magic Software Enterprises, Ltd.	1,349	17,658
Malam - Team, Ltd.	476	8,221
Matrix IT, Ltd.	1,552	31,686
Maytronics, Ltd.	960	13,156
Mediterranean Towers, Ltd.	4,044	8,820
Mega Or Holdings, Ltd.	757	15,777
Mehadrin, Ltd. (A)	15	512
Menora Mivtachim Holdings, Ltd.	1,766	37,501
Migdal Insurance & Financial Holdings, Ltd.	19,833	24,113
Mivtach Shamir Holdings, Ltd. (A)	397	9,645
Naphtha Israel Petroleum Corp., Ltd.	2,030	8,455
Nawi Brothers, Ltd.	1,396	9,441
Neto Malinda Trading, Ltd. (A)	451	8,257
Neto ME Holdings, Ltd. (A)	273	6,471
Novolog, Ltd.	20,186	9,785
Oil Refineries, Ltd.	102,102	29,269
One Software Technologies, Ltd.	1,700	22,919
OPC Energy, Ltd. (A)	1	6
OY Nofar Energy, Ltd. (A)	911	20,299
Partner Communications Company, Ltd. (A)	5,179	20,402
Paz Oil Company, Ltd. (A)	345	37,116
Perion Network, Ltd. (A)	1,368	42,999
Plasson Industries, Ltd.	241	10,319
Plus500, Ltd.	4,668	86,862
Prashkovsky Investments and Construction, Ltd.	318	7,742
Prioritech, Ltd. (A)	398	8,009
Rami Levy Chain Stores Hashikma Marketing 2006, Ltd.	449	26,632
Retailors, Ltd.	748	14,514
Sano-Brunos Enterprises, Ltd.	145	8,593
Scope Metals Group, Ltd. (A)	377	13,701
Shikun & Binui, Ltd. (A)	1	2
Summit Real Estate Holdings, Ltd.	2,363	30,511
Tadiran Group, Ltd.	86	6,561
Tamar Petroleum, Ltd. (C)	3,135	9,945
Tel Aviv Stock Exchange, Ltd. (A)	3,160	16,331
Telsys, Ltd.	84	5,619
Tera Light, Ltd. (A)	32	46
Tiv Taam Holdings 1, Ltd.	3,848	6,136
Tremor International, Ltd. (A)(D)	2,825	10,150
YH Dimri Construction & Development, Ltd.	285	17,729
		1,280,509
Italy - 4.0%		
A2A SpA	70,456	128,899
ACEA SpA	2,494	32,621
Anima Holding SpA (C)	9,201	34,254
Aquafil SpA	969	3,977
Arnoldo Mondadori Editore SpA	12,613	27,593
Ascopiave SpA	4,243	10,928
Avio SpA (A)	877	8,931
Azimut Holding SpA	5,155	111,233

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
Banca Generali SpA	3,053	\$ 105,035
Banca IFIS SpA	1,607	25,746
Banca Mediolanum SpA	8,320	75,259
Banca Popolare di Sondrio SpA	19,792	82,487
Banca Profilo SpA	24,032	5,481
Banco BPM SpA	68,596	318,618
Banco di Desio e della Brianza SpA	2,610	9,459
BasicNet SpA	1,571	9,149
BFF Bank SpA (C)	5,337	58,493
BPER Banca	49,221	149,651
Brembo SpA	5,497	81,580
Brunello Cucinelli SpA	2,024	178,204
Buzzi SpA	4,791	120,039
Cairo Communication SpA	4,712	8,499
Carel Industries SpA (C)	1,608	48,451
Cembre SpA	370	12,359
Cementir Holding NV	4,165	33,732
CIR SpA-Compagnie Industriali (A)	60,979	25,183
Credito Emiliano SpA	4,857	37,826
Danieli & C Officine Meccaniche SpA	788	18,884
Danieli & C Officine Meccaniche SpA, Savings Shares	2,118	38,905
De' Longhi SpA	2,969	64,907
doValue SpA (C)	5,440	25,169
El.En. SpA	1,004	12,052
Enav SpA (C)	8,617	36,717
Esprinet SpA	2,412	14,650
Eurotech SpA (A)	1,562	4,780
Fila SpA	2,245	19,268
Fincantieri SpA (A)	18,635	10,361
Garofalo Health Care SpA (A)	1,776	7,791
Geox SpA (A)	8,390	7,941
Gruppo MutuiOnline SpA	1,697	57,162
Hera SpA	37,774	112,417
Illimity Bank SpA	5,067	35,128
IMMSI SpA	6,756	3,620
Interpump Group SpA	3,216	178,864
Iren SpA	30,720	57,186
Italgas SpA	22,890	135,707
Italmobiliare SpA	1,039	28,403
Iveco Group NV (A)	8,389	75,653
Leonardo SpA	19,212	218,151
Maire Tecnimont SpA	10,323	39,919
MFE-MediaForEurope NV, Class A	53,918	30,072
MFE-MediaForEurope NV, Class B	18,917	14,510
OVS SpA (C)	11,708	32,498
Pharmanutra SpA	268	17,762
Piaggio & C SpA	11,658	48,373
Piovan SpA (C)	884	9,453
Pirelli & C. SpA (C)	16,502	81,580
RAI Way SpA (C)	5,678	34,146
Reply SpA	1,004	114,148
Sabaf SpA (A)	338	5,267
SAES Getters SpA, Savings Shares	538	16,335
Salvatore Ferragamo SpA	2,452	40,376
Sanlorenzo SpA/Ameglia	556	23,914
Saras SpA	32,800	40,682
Sesa SpA	391	48,841
Sogefi SpA (A)	3,551	4,727
SOL SpA	2,259	65,253
Tamburi Investment Partners SpA	5,938	59,862
Technogym SpA (C)	6,815	63,094
Technoprobe SpA (A)	4,126	32,616
Telecom Italia SpA (A)	39,683	11,188
Tod's SpA (A)	319	13,389

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
Unieuro SpA (C)	1,088	\$ 11,758
Unipol Gruppo SpA	19,628	104,892
UnipolSai Assicurazioni SpA	13,115	32,520
Webuild SpA	14,544	27,440
Zignago Vetro SpA	1,669	28,476
		3,960,494
Japan - 24.1%		
A&D HOLON Holdings Company, Ltd.	900	11,223
Achilles Corp.	1,000	10,038
Adastria Company, Ltd.	1,620	34,562
ADEKA Corp.	3,600	68,770
Ad-sol Nissin Corp.	800	9,497
Advan Group Company, Ltd.	1,000	6,435
Aeon Delight Company, Ltd.	1,400	29,892
Aeon Fantasy Company, Ltd.	400	8,897
AEON Financial Service Company, Ltd.	2,800	25,012
Aeon Hokkaido Corp.	1,800	10,898
Aeria, Inc.	700	1,969
Ai Holdings Corp.	1,900	30,616
Aica Kogyo Company, Ltd.	1,800	39,589
Aichi Corp.	3,200	19,429
Aichi Financial Group, Inc.	2,898	46,830
Aichi Steel Corp.	700	14,907
Aichi Tokei Denki Company, Ltd.	900	9,439
Aida Engineering, Ltd.	4,500	29,474
Aiful Corp.	8,600	20,036
Ain Holdings, Inc.	1,100	38,851
Aiphone Company, Ltd.	600	10,049
Airport Facilities Company, Ltd.	1,200	4,581
Airtrip Corp.	900	17,516
Aisan Industry Company, Ltd.	2,500	20,404
Aizawa Securities Group Company, Ltd.	2,400	13,292
Akatsuki, Inc.	400	5,675
Akebono Brake Industry Company, Ltd. (A)	9,400	9,231
Albis Company, Ltd.	500	8,362
Alconix Corp.	1,600	15,296
Alpen Company, Ltd.	1,100	15,121
Alps Alpine Company, Ltd.	4,600	40,388
Altech Corp.	1,100	22,868
Amano Corp.	2,200	46,435
Amuse, Inc.	400	5,019
Amvis Holdings, Inc.	300	6,829
Anest Iwata Corp.	1,800	14,802
AnGes, Inc. (A)	6,300	4,905
Anicom Holdings, Inc.	3,700	16,174
Anritsu Corp.	6,700	57,225
AOKI Holdings, Inc.	3,100	18,952
Aoyama Trading Company, Ltd.	2,500	22,980
Aoyama Zaisan Networks Company, Ltd.	1,100	7,687
Arakawa Chemical Industries, Ltd.	1,400	9,715
Arata Corp.	700	22,883
Arcland Service Holdings Company, Ltd.	1,000	20,283
ARCLANDS Corp.	1,000	10,946
Arcs Company, Ltd.	2,125	36,333
Arealink Company, Ltd.	500	8,620
Argo Graphics, Inc.	1,000	27,188
Arisawa Manufacturing Company, Ltd.	2,900	22,389
ARTERIA Networks Corp.	1,600	21,917
Aruhi Corp.	500	3,434
As One Corp.	1,000	39,682
Asahi Company, Ltd.	800	7,225
Asahi Diamond Industrial Company, Ltd.	3,900	23,553
Asahi Holdings, Inc.	3,600	48,642
Asahi Yukizai Corp.	1,200	36,557

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Asanuma Corp.	1,400	\$ 31,733
Asia Pile Holdings Corp.	3,300	14,135
ASKA Pharmaceutical Holdings Company, Ltd.	1,600	16,063
ASKUL Corp.	2,000	27,834
Atsugi Company, Ltd. (A)	1,200	3,512
Aucnet, Inc.	1,100	13,061
Autobacs Seven Company, Ltd.	3,400	36,135
Avant Group Corp.	900	8,858
Avex, Inc.	2,800	29,390
Axial Retailing, Inc.	800	20,128
AZ-COM MARUWA Holdings, Inc.	3,100	41,745
Bando Chemical Industries, Ltd.	2,500	25,085
Bank of the Ryukyus, Ltd.	3,000	19,043
Belc Company, Ltd.	500	22,298
Bell System24 Holdings, Inc.	2,400	22,714
Belluna Company, Ltd.	3,300	16,318
Benesse Holdings, Inc.	2,200	28,138
Bengo4.com, Inc. (A)(D)	300	8,013
Bic Camera, Inc.	3,800	28,197
BML, Inc.	1,000	20,171
Bourbon Corp.	500	7,351
Br. Holdings Corp.	2,300	6,262
BrainPad, Inc.	900	6,111
Bunka Shutter Company, Ltd.	5,000	38,523
Business Brain Showa-Ota, Inc.	700	11,263
C Uyemura & Company, Ltd.	500	28,566
CAC Holdings Corp.	900	10,752
Canon Electronics, Inc.	1,700	23,877
Carenet, Inc.	1,200	7,880
Carlit Holdings Company, Ltd.	2,100	12,132
Cawachi, Ltd.	900	13,750
CellSource Company, Ltd. (A)	600	11,662
Celsys, Inc.	3,200	16,631
Central Automotive Products, Ltd.	500	11,027
Central Glass Company, Ltd.	1,400	30,017
Central Security Patrols Company, Ltd.	700	13,764
Central Sports Company, Ltd.	600	9,985
Ceres, Inc.	600	4,356
Change Holdings, Inc.	1,700	27,030
Charm Care Corp. KK	1,000	9,031
Chilled & Frozen Logistics Holdings Company, Ltd.	1,600	14,068
Chino Corp.	400	6,866
Chiyoda Company, Ltd.	800	4,959
Chiyoda Corp. (A)	9,100	22,471
Chiyoda Integre Company, Ltd.	800	13,391
Chofu Seisakusho Company, Ltd.	1,700	29,505
Chori Company, Ltd.	1,200	24,696
Chubu Shiryō Company, Ltd.	2,000	14,680
Chudenko Corp.	1,900	30,369
Chuetsu Pulp & Paper Company, Ltd.	500	4,702
Chugai Ro Company, Ltd.	500	7,219
Chugin Financial Group, Inc.	6,700	40,322
Chugoku Marine Paints, Ltd.	4,000	33,745
CI Takiron Corp.	3,000	11,992
Citizen Watch Company, Ltd.	11,100	66,917
CKD Corp.	2,400	39,366
Cleanup Corp.	2,100	10,788
CMIC Holdings Company, Ltd.	1,200	16,091
CMK Corp.	3,700	14,371
COLOPL, Inc.	3,200	14,486
Colowide Company, Ltd.	3,200	45,328
Comture Corp.	1,000	14,439
COOKPAD, Inc. (A)	2,700	3,212

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Corona Corp.	300	\$ 1,887
Cosel Company, Ltd.	1,200	10,452
Cota Company, Ltd.	585	6,680
CRE, Inc.	800	7,653
Create Restaurants Holdings, Inc.	5,800	39,309
Create SD Holdings Company, Ltd.	1,700	41,982
Creek & River Company, Ltd.	800	10,964
Cresco, Ltd.	800	11,768
CTS Company, Ltd.	1,900	9,758
Curves Holdings Company, Ltd.	2,000	10,458
Cybozu, Inc.	2,000	32,677
Dai Nippon Toryo Company, Ltd.	1,200	7,657
Daicel Corp.	4,100	36,693
Dai-Dan Company, Ltd.	1,000	18,945
Daido Metal Company, Ltd.	1,900	6,493
Daido Steel Company, Ltd.	800	33,362
Daihen Corp.	1,100	42,562
Daiho Corp.	800	21,524
Daiichi Jitsugyo Company, Ltd.	400	15,798
Daiichi Kensetsu Corp.	1,300	13,818
Daiichi Kigenso Kagaku-Kogyo Company, Ltd.	1,800	12,280
Daiken Corp.	1,000	15,923
Daiken Medical Company, Ltd.	400	1,456
Daiki Aluminium Industry Company, Ltd.	3,000	29,259
Daikoku Denki Company, Ltd.	800	21,995
Daikokutenbussan Company, Ltd.	300	11,108
Daikyonishikawa Corp.	1,900	10,471
Dainichiseika Color & Chemicals Manufacturing Company, Ltd.	300	4,370
Daio Paper Corp.	4,200	33,078
Daiseki Company, Ltd.	1,360	38,449
Daishi Hokuetsu Financial Group, Inc.	1,100	23,756
Daishinku Corp.	1,600	7,273
Daito Pharmaceutical Company, Ltd.	700	11,148
Daitron Company, Ltd.	600	12,686
Daiwa Industries, Ltd.	2,000	19,239
Daiwabo Holdings Company, Ltd.	4,000	77,458
DCM Holdings Company, Ltd.	5,100	43,218
DeNA Company, Ltd.	2,700	35,158
Denka Company, Ltd.	1,700	32,122
Densan System Holdings Company, Ltd.	700	16,029
Denyo Company, Ltd.	900	12,916
Dexerials Corp.	2,500	54,919
DIC Corp.	2,700	49,126
Digital Arts, Inc.	700	28,566
Digital Hearts Holdings Company, Ltd.	900	8,015
Digital Holdings, Inc.	600	4,331
Dip Corp.	1,400	34,970
Direct Marketing MiX, Inc.	900	5,383
DKK Company, Ltd.	1,000	15,447
DKS Company, Ltd.	400	4,917
DMG Mori Company, Ltd.	4,700	81,709
Doshisha Company, Ltd.	1,700	27,367
Doutor Nichires Holdings Company, Ltd.	2,300	33,692
DTS Corp.	1,800	42,495
Duskin Company, Ltd.	1,600	35,772
DyDo Group Holdings, Inc.	700	24,525
Eagle Industry Company, Ltd.	2,200	26,787
Ebara Jitsugyo Company, Ltd.	800	16,826
Ebase Company, Ltd.	1,200	6,377
EDION Corp.	2,700	27,276
EF-ON, Inc.	1,500	5,904
eGuarantee, Inc.	2,000	26,683
E-Guardian, Inc.	900	12,640

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Eiken Chemical Company, Ltd.	1,800	\$ 19,280
Eizo Corp.	800	26,366
Elan Corp.	2,800	17,032
Elecom Company, Ltd.	1,600	16,224
Elematec Corp.	1,400	17,775
EM Systems Company, Ltd.	1,400	7,744
en-japan, Inc.	2,100	36,321
Enplas Corp.	600	24,445
eRex Company, Ltd.	1,900	14,973
ES-Con Japan, Ltd.	1,500	8,594
ESPEC Corp.	1,600	25,458
Exedy Corp.	1,900	32,004
EXEO Group, Inc.	3,600	72,310
Ezaki Glico Company, Ltd.	2,000	52,331
FCC Company, Ltd.	2,200	28,650
FDK Corp. (A)	1,100	6,734
Feed One Company, Ltd.	1,600	8,020
Ferrotec Holdings Corp.	2,000	50,918
FIDEA Holdings Company, Ltd.	2,140	20,360
Fixstars Corp.	2,000	21,045
Foster Electric Company, Ltd.	2,100	13,681
FP Corp.	1,100	22,430
France Bed Holdings Company, Ltd.	2,200	17,680
Fudo Tetra Corp.	1,080	13,759
Fuji Corp. (Aichi)	2,600	46,114
Fuji Corp., Ltd.	1,300	6,106
Fuji Kyuko Company, Ltd.	800	30,744
Fuji Oil Company, Ltd.	4,400	8,387
Fuji Oil Holdings, Inc.	2,500	34,589
Fuji Pharma Company, Ltd.	1,400	11,310
Fuji Seal International, Inc.	2,100	22,236
Fujibo Holdings, Inc.	700	15,511
Fujicco Company, Ltd.	1,500	19,606
Fujikura Kasei Company, Ltd.	2,000	6,372
Fujikura, Ltd.	1,900	15,953
Fujimi, Inc.	2,400	59,313
Fujimori Kogyo Company, Ltd.	800	19,943
Fujisash Company, Ltd.	4,900	2,990
Fujiya Company, Ltd.	500	8,568
Fukuda Corp.	200	6,769
Fukuda Denshi Company, Ltd.	1,000	32,542
Fukui Computer Holdings, Inc.	300	5,833
Fukushima Galilei Company, Ltd.	500	18,646
Fukuyama Transporting Company, Ltd.	1,000	27,903
FULLCAST Holdings Company, Ltd.	1,000	15,252
Funai Soken Holdings, Inc.	1,800	31,914
Furukawa Company, Ltd.	1,900	20,736
Furukawa Electric Company, Ltd.	2,900	51,289
Furuno Electric Company, Ltd.	2,400	17,761
Furuya Metal Company, Ltd.	300	24,935
Furyu Corp.	1,300	11,908
Fuso Chemical Company, Ltd.	1,000	31,454
Fuso Pharmaceutical Industries, Ltd.	500	6,963
Futaba Corp.	1,600	5,364
Futaba Industrial Company, Ltd.	3,400	12,504
Future Corp.	2,400	28,619
Fuyo General Lease Company, Ltd.	400	30,743
G-7 Holdings, Inc.	2,000	18,268
Gakken Holdings Company, Ltd.	1,600	9,616
Gecoss Corp.	400	2,429
Genki Sushi Company, Ltd.	500	11,695
Genky DrugStores Company, Ltd.	600	18,398
Geo Holdings Corp.	2,700	34,341
GLOBERIDE, Inc.	1,200	18,933
Glory, Ltd.	2,100	42,133

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
GMO Financial Holdings, Inc.	1,600	\$ 7,797
GMO GlobalSign Holdings KK	500	10,973
Goldcrest Company, Ltd.	990	12,368
Golf Digest Online, Inc.	800	4,623
Gremz, Inc.	800	16,495
GS Yuasa Corp.	3,000	58,855
G-Tekt Corp.	1,200	14,391
Gun-Ei Chemical Industry Company, Ltd.	400	8,051
GungHo Online Entertainment, Inc.	2,000	39,383
Gunze, Ltd.	800	24,682
H.U. Group Holdings, Inc.	1,600	30,596
H2O Retailing Corp.	2,600	26,577
Hagihara Industries, Inc.	800	7,918
Hagiwara Electric Holdings Company, Ltd.	500	11,824
Hakudo Company, Ltd.	600	9,769
Hakuto Company, Ltd.	700	27,101
Halows Company, Ltd.	600	16,228
Hamakyorex Company, Ltd.	1,000	26,665
Hanwa Company, Ltd.	1,500	47,375
Happinet Corp.	1,000	15,401
Hazama Ando Corp.	5,490	41,063
Heiwa Corp.	1,500	26,088
Heiwa Real Estate Company, Ltd.	1,500	39,641
Heiwado Company, Ltd.	2,000	29,898
Henнге KK (A)	1,000	6,361
Hibiya Engineering, Ltd.	1,500	23,086
HI-LEX Corp.	600	5,014
Hioki EE Corp.	500	32,605
Hirano Tecseed Company, Ltd.	1,100	16,427
Hirogin Holdings, Inc.	10,600	60,129
Hiroshima Gas Company, Ltd.	4,900	12,867
Hisaka Works, Ltd.	2,000	12,698
Hitachi Zosen Corp.	5,500	36,394
Hochiki Corp.	600	7,454
Hodogaya Chemical Company, Ltd.	700	16,810
Hokkaido Electric Power Company, Inc. (A)	8,600	35,434
Hokkaido Gas Company, Ltd.	600	9,807
Hokkan Holdings, Ltd.	1,000	9,624
Hokko Chemical Industry Company, Ltd.	700	4,919
Hokkoku Financial Holdings, Inc.	900	25,993
Hokuetsu Corp.	6,100	36,779
Hokuetsu Industries Company, Ltd.	2,000	19,542
Hokuhoku Financial Group, Inc.	5,900	47,232
Hokuriku Electric Power Company (A)	7,400	39,861
Hokuto Corp.	1,600	20,358
H-One Company, Ltd.	1,000	5,195
Honeys Holdings Company, Ltd.	1,350	16,566
Hoosiers Holdings Company, Ltd.	3,400	23,646
Horiba, Ltd.	1,000	57,514
Hosiden Corp.	3,000	37,609
Hosokawa Micron Corp.	1,000	24,394
HS Holdings Company, Ltd.	1,000	6,900
IBJ, Inc.	1,800	8,360
Ichigo, Inc.	11,200	21,466
Ichikoh Industries, Ltd.	2,300	8,741
Ichinen Holdings Company, Ltd.	1,900	17,897
Ichiyoshi Securities Company, Ltd.	2,800	11,785
Icom, Inc.	500	10,082
IDEC Corp.	1,600	36,839
IDOM, Inc.	3,900	23,813
Iino Kaiun Kaisha, Ltd.	4,600	27,176
IJTT Company, Ltd.	1,200	4,867
I'll, Inc.	1,100	22,870
Imasen Electric Industrial	500	2,145

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Imuraya Group Company, Ltd.	300	\$ 4,672
Inaba Denki Sangyo Company, Ltd.	2,100	47,912
Inaba Seisakusho Company, Ltd.	200	2,273
Inabata & Company, Ltd.	2,000	44,946
Inageya Company, Ltd.	700	7,274
Ines Corp.	900	9,401
i-Net Corp.	900	10,320
Infocom Corp.	1,000	15,809
INFRONEER Holdings, Inc.	3,468	32,705
Insource Company, Ltd.	3,800	31,376
Intage Holdings, Inc.	1,700	19,370
Inter Action Corp.	800	7,777
Inui Global Logistics Company, Ltd.	1,600	14,550
I-PEX, Inc.	500	4,670
IR Japan Holdings, Ltd.	400	4,548
Iriso Electronics Company, Ltd.	1,000	29,111
Iseki & Company, Ltd.	1,200	10,443
Ishihara Sangyo Kaisha, Ltd.	2,100	19,179
ITFOR, Inc.	1,000	7,425
ITmedia, Inc.	900	8,352
Itochu Enex Company, Ltd.	3,800	33,486
Itochu-Shokuhin Company, Ltd.	300	10,800
Itoham Yonekyu Holdings, Inc.	7,500	37,741
Itoki Corp.	2,100	14,613
IwaiCosmo Holdings, Inc.	900	8,981
Iyogin Holdings, Inc.	7,000	39,352
Izumi Company, Ltd.	1,900	45,312
J Trust Company, Ltd.	6,286	18,873
JAC Recruitment Company, Ltd.	1,200	21,718
Jacs Company, Ltd.	900	31,483
Jade Group, Inc. (A)	400	4,946
JAFCO Group Company, Ltd.	3,100	39,793
JANOME Corp.	1,200	5,142
Japan Aviation Electronics Industry, Ltd.	2,300	48,140
Japan Cash Machine Company, Ltd.	700	5,738
Japan Communications, Inc. (A)	15,200	25,623
Japan Electronic Materials Corp.	1,800	21,109
Japan Elevator Service Holdings Company, Ltd.	3,300	43,417
Japan Investment Adviser Company, Ltd.	1,000	7,725
Japan Lifeline Company, Ltd.	4,400	31,581
Japan Material Company, Ltd.	2,900	48,472
Japan Medical Dynamic Marketing, Inc.	900	6,378
Japan Petroleum Exploration Company, Ltd.	1,200	35,926
Japan Property Management Center Company, Ltd.	800	6,086
Japan Pulp & Paper Company, Ltd.	600	20,283
Japan Securities Finance Company, Ltd.	3,300	25,638
Japan Transcity Corp.	3,100	13,392
Japan Wool Textile Company, Ltd.	4,000	28,958
Jastec Company, Ltd.	400	3,749
JBCC Holdings, Inc.	1,200	21,335
JCR Pharmaceuticals Company, Ltd.	2,000	17,727
JCU Corp.	1,300	30,914
Jeol, Ltd.	2,000	71,398
Jimoto Holdings, Inc.	980	2,627
JINS Holdings, Inc.	800	16,574
JINUSHI Company, Ltd.	1,100	14,524
JM Holdings Company, Ltd.	600	8,323
JMS Company, Ltd.	500	2,057
J-Oil Mills, Inc.	1,200	13,343
Joshin Denki Company, Ltd.	1,100	15,002
Joyful Honda Company, Ltd.	1,900	22,429
JSB Company, Ltd.	400	14,004

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
JSP Corp.	800	\$ 10,399
Juki Corp.	1,400	5,668
Juroku Financial Group, Inc.	1,700	36,726
Justsystems Corp.	1,500	42,066
JVCKenwood Corp.	9,070	31,261
K&O Energy Group, Inc.	800	12,652
Kaga Electronics Company, Ltd.	600	26,707
Kagome Company, Ltd.	500	10,930
Kaken Pharmaceutical Company, Ltd.	1,200	30,069
Kakiyasu Honten Company, Ltd.	500	8,053
Kamakura Shinsho, Ltd.	1,200	6,056
Kameda Seika Company, Ltd.	700	21,022
Kamei Corp.	2,000	20,587
Kanaden Corp.	1,100	9,916
Kanagawa Chuo Kotsu Company, Ltd.	700	15,233
Kanamic Network Company, Ltd.	600	1,977
Kanamoto Company, Ltd.	1,900	28,985
Kandenko Company, Ltd.	4,700	37,779
Kaneka Corp.	2,300	64,461
Kanematsu Corp.	3,500	48,911
Kanto Denka Kogyo Company, Ltd.	2,000	13,720
Kasai Kogyo Company, Ltd. (A)	1,000	1,073
Katakura Industries Company, Ltd.	1,700	19,256
Katitas Company, Ltd.	1,800	31,165
Kato Sangyo Company, Ltd.	1,100	30,226
Kato Works Company, Ltd.	400	3,361
Kawada Technologies, Inc.	200	8,054
KeePer Technical Laboratory Company, Ltd.	500	17,042
Keihanshin Building Company, Ltd.	2,000	16,067
Keiyo Company, Ltd.	3,400	18,947
Kenko Mayonnaise Company, Ltd.	900	8,272
KFC Holdings Japan, Ltd.	1,500	29,573
KH Neochem Company, Ltd.	1,500	24,495
Kimoto Company, Ltd.	3,000	4,089
King Jim Company, Ltd.	1,400	8,533
Kissei Pharmaceutical Company, Ltd.	1,700	34,048
Ki-Star Real Estate Company, Ltd.	600	20,654
Kitanotatsujin Corp.	3,300	6,659
Kitz Corp.	4,600	34,822
Koa Corp.	1,700	21,346
Koatsu Gas Kogyo Company, Ltd.	3,000	15,620
Kobe Electric Railway Company, Ltd. (A)	300	6,259
Kohnan Shoji Company, Ltd.	1,200	29,218
Kojima Company, Ltd.	3,000	12,402
Kokuyo Company, Ltd.	4,000	54,961
Komatsu Matere Company, Ltd.	1,700	7,992
KOMEDA Holdings Company, Ltd.	2,000	37,667
Komeri Company, Ltd.	1,500	30,582
Komori Corp.	3,700	24,208
Kondotec, Inc.	1,300	10,843
Konica Minolta, Inc.	14,200	49,310
Konishi Company, Ltd.	2,200	35,101
Konoike Transport Company, Ltd.	2,600	29,888
Kotobuki Spirits Company, Ltd.	500	36,647
Krosaki Harima Corp.	400	24,671
KRS Corp.	1,100	7,270
K's Holdings Corp.	7,100	61,863
Kumagai Gumi Company, Ltd.	1,800	38,525
Kumiai Chemical Industry Company, Ltd.	3,400	26,555
Kurabo Industries, Ltd.	1,600	25,293
Kureha Corp.	500	28,643
Kurimoto, Ltd.	1,000	15,497
Kusuri no Aoki Holdings Company, Ltd.	700	39,453
KYB Corp.	1,000	35,153

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Kyodo Printing Company, Ltd.	500	\$ 10,997
Kyoei Steel, Ltd.	1,800	25,442
Kyokuto Kaihatsu Kogyo Company, Ltd.	2,300	27,750
Kyokuto Securities Company, Ltd.	2,300	10,199
Kyokuyo Company, Ltd.	700	17,579
Kyorin Pharmaceutical Company, Ltd.	1,900	23,126
Kyoritsu Maintenance Company, Ltd.	600	22,812
Kyosan Electric Manufacturing Company, Ltd.	2,000	6,974
Kyudenko Corp.	1,800	48,329
Kyushu Financial Group, Inc.	16,000	67,592
LAC Company, Ltd.	1,400	7,310
Lacto Japan Company, Ltd.	800	11,244
LEC, Inc.	1,600	9,635
Leopalace21 Corp. (A)	6,400	11,904
Life Corp.	800	16,999
LIFULL Company, Ltd.	3,800	7,579
Link And Motivation, Inc.	2,300	6,889
Lintec Corp.	1,900	30,032
Litalico, Inc.	1,300	21,048
M&A Capital Partners Company, Ltd. (A)	600	14,003
Mabuchi Motor Company, Ltd.	2,200	61,389
Macnica Holdings, Inc.	750	31,167
Macromill, Inc.	2,300	13,488
Maeda Kosen Company, Ltd.	1,100	24,520
Maezawa Kasei Industries Company, Ltd.	1,100	11,834
Maezawa Kyuso Industries Company, Ltd.	1,800	13,935
Makino Milling Machine Company, Ltd.	1,200	46,652
Management Solutions Company, Ltd.	1,300	37,116
Mandom Corp.	1,600	16,110
Mani, Inc.	3,500	41,461
MarkLines Company, Ltd.	400	7,166
Mars Group Holdings Corp.	700	13,893
Marubun Corp.	200	1,827
Marudai Food Company, Ltd.	1,600	16,502
Maruha Nichiro Corp.	1,400	23,559
Maruichi Steel Tube, Ltd.	2,700	62,023
Marusan Securities Company, Ltd.	4,700	14,411
Maruwa Company, Ltd.	300	46,591
Maruzen Company, Ltd.	800	11,390
Maruzen Showa Unyu Company, Ltd.	800	21,855
Marvelous, Inc.	1,400	6,544
Matsuda Sangyo Company, Ltd.	1,400	22,144
Matsui Securities Company, Ltd.	4,900	27,052
Max Company, Ltd.	2,000	36,806
Maxell, Ltd.	2,200	24,509
Maxvalu Tokai Company, Ltd.	1,100	21,010
MCJ Company, Ltd.	3,200	22,303
MEC Company, Ltd.	1,500	37,028
Media Do Company, Ltd. (A)	600	5,962
Medical Data Vision Company, Ltd.	1,700	8,618
Medikit Company, Ltd.	500	8,920
MedPeer, Inc. (A)	600	4,236
Megachips Corp.	1,100	28,629
Megmilk Snow Brand Company, Ltd.	2,800	37,998
Meidensha Corp.	1,800	25,073
Meiko Electronics Company, Ltd.	1,200	22,689
Meisei Industrial Company, Ltd.	3,000	20,554
Meitec Corp.	3,100	53,490
Meito Sangyo Company, Ltd.	900	10,254
Melco Holdings, Inc.	500	11,050
Members Company, Ltd.	400	5,039
Menicon Company, Ltd.	2,500	43,863
METAWATER Company, Ltd.	1,600	20,465
Micronics Japan Company, Ltd.	2,100	29,408

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Midac Holdings Company, Ltd.	500	\$ 5,324
Mie Kotsu Group Holdings, Inc.	3,700	14,720
Milbon Company, Ltd.	912	31,218
Mimasu Semiconductor Industry Company, Ltd.	1,400	30,465
Ministop Company, Ltd.	1,100	11,036
MIRAIT ONE Corp.	4,240	53,372
Mirarth Holdings, Inc.	6,300	19,416
Miroku Jyoho Service Company, Ltd.	700	7,654
Mitani Corp.	2,000	18,928
Mitani Sekisan Company, Ltd.	600	20,509
Mito Securities Company, Ltd.	6,300	15,035
Mitsuba Corp.	2,300	13,022
Mitsubishi Logisnext Company, Ltd.	1,000	9,277
Mitsubishi Logistics Corp.	1,600	39,539
Mitsubishi Materials Corp.	1,600	28,806
Mitsubishi Paper Mills, Ltd.	2,600	10,211
Mitsubishi Pencil Company, Ltd.	1,500	17,496
Mitsubishi Research Institute, Inc.	500	19,107
Mitsubishi Shokuhin Company, Ltd.	600	15,476
Mitsubishi Steel Manufacturing Company, Ltd.	1,000	9,621
Mitsuboshi Belting, Ltd.	1,000	30,646
Mitsui DM Sugar Holdings Company, Ltd.	1,000	19,133
Mitsui E&S Company, Ltd. (A)	4,600	15,800
Mitsui Matsushima Holdings Company, Ltd. (D)	1,000	18,084
Mitsui Mining & Smelting Company, Ltd.	2,200	50,793
Mitsui-Soko Holdings Company, Ltd.	900	21,913
Mitsuuroko Group Holdings Company, Ltd.	3,200	30,875
Mixi, Inc.	1,800	33,505
Mizuho Leasing Company, Ltd.	1,400	45,738
Mizuno Corp.	1,400	36,211
Mochida Pharmaceutical Company, Ltd.	900	20,615
Monex Group, Inc.	8,000	30,948
Morinaga & Company, Ltd.	900	28,168
Morinaga Milk Industry Company, Ltd.	1,500	49,112
Morita Holdings Corp.	2,200	23,800
Morozoff, Ltd.	500	12,946
MrMax Holdings, Ltd.	1,700	7,462
m-up Holdings, Inc.	2,000	15,679
Musashi Seimitsu Industry Company, Ltd.	2,600	32,054
Nachi-Fujikoshi Corp.	600	17,061
Nafco Company, Ltd.	1,100	14,494
Nagano Keiki Company, Ltd.	1,800	29,575
Nagase & Company, Ltd.	4,400	73,272
Nagatanien Holdings Company, Ltd.	1,000	14,840
Nagawa Company, Ltd.	300	14,382
Nakamura Company, Ltd.	300	6,399
Nakanishi, Inc.	2,600	57,576
Nakayama Steel Works, Ltd.	1,100	6,451
Namura Shipbuilding Company, Ltd. (A)	3,252	14,226
Natori Company, Ltd.	700	9,481
NEC Capital Solutions, Ltd.	800	17,884
NEC Networks & System Integration Corp.	2,100	29,031
NET One Systems Company, Ltd.	2,900	63,708
Neturen Company, Ltd.	2,300	15,575
Nextage Company, Ltd.	1,900	36,922
NHK Spring Company, Ltd.	9,100	66,515
Nice Corp.	600	6,246
Nichias Corp.	2,800	58,359
Nichiban Company, Ltd.	700	9,212
Nichicon Corp.	3,400	36,254

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nichiden Corp.	600	\$ 10,022
Nichiha Corp.	1,200	25,735
Nichireki Company, Ltd.	2,000	25,554
Nichirin Company, Ltd.	1,040	20,148
Nihon Chouzai Company, Ltd.	800	6,554
Nihon Dempa Kogyo Company, Ltd.	2,500	22,623
Nihon Flush Company, Ltd.	1,000	6,739
Nihon House Holdings Company, Ltd.	1,000	2,575
Nihon Kagaku Sangyo Company, Ltd.	1,000	7,700
Nihon Kohden Corp.	800	21,387
Nihon Nohyaku Company, Ltd.	4,000	19,930
Nihon Parkerizing Company, Ltd.	3,900	29,084
Nihon Tokushu Toryo Company, Ltd.	1,000	7,438
Nikkiso Company, Ltd.	2,100	13,279
Nikken Holdings Company, Ltd.	2,200	43,968
Nippon Corp.	2,700	34,571
Nippon Air Conditioning Services Company, Ltd.	1,600	8,360
Nippon Beet Sugar Manufacturing Company, Ltd.	900	11,649
Nippon Carbon Company, Ltd.	500	15,105
Nippon Chemical Industrial Company, Ltd.	700	9,196
Nippon Chemi-Con Corp. (A)	1,100	9,615
Nippon Coke & Engineering Company, Ltd. (A)	18,000	14,520
Nippon Concrete Industries Company, Ltd. (A)	2,600	5,929
Nippon Denko Company, Ltd.	6,530	12,809
Nippon Densetsu Kogyo Company, Ltd.	2,100	28,881
Nippon Electric Glass Company, Ltd.	3,900	68,745
Nippon Fine Chemical Company, Ltd.	800	16,131
Nippon Gas Company, Ltd.	4,300	60,533
Nippon Hume Corp.	2,000	10,753
Nippon Kayaku Company, Ltd.	5,300	45,350
Nippon Kodoshi Corp.	800	11,225
Nippon Koei Company, Ltd.	1,000	26,080
Nippon Light Metal Holdings Company, Ltd.	2,820	28,456
Nippon Paper Industries Company, Ltd. (A)	4,600	37,886
Nippon Parking Development Company, Ltd.	8,400	13,082
Nippon Pillar Packing Company, Ltd.	1,100	35,729
Nippon Rietec Company, Ltd.	300	2,881
Nippon Seiki Company, Ltd.	3,000	20,462
Nippon Sharyo, Ltd.	600	8,380
Nippon Sheet Glass Company, Ltd. (A)	4,100	19,232
Nippon Shokubai Company, Ltd.	800	29,911
Nippon Signal Company, Ltd.	3,000	22,385
Nippon Soda Company, Ltd.	1,200	43,198
Nippon Thompson Company, Ltd.	4,700	19,412
Nippon Yakin Kogyo Company, Ltd.	1,000	28,381
Nipro Corp.	6,700	47,509
Nishikawa Rubber Company, Ltd.	800	7,103
Nishimatsu Construction Company, Ltd.	1,500	36,460
Nishimatsuya Chain Company, Ltd.	2,700	31,963
Nishi-Nippon Financial Holdings, Inc.	3,900	34,641
Nishi-Nippon Railroad Company, Ltd.	2,400	40,835
Nishio Holdings Company, Ltd.	800	18,878
Nissan Shatai Company, Ltd.	3,400	19,872
Nissei ASB Machine Company, Ltd.	500	14,251
Nissei Plastic Industrial Company, Ltd.	1,600	11,021
Nissha Company, Ltd.	2,300	26,959
Nisshinbo Holdings, Inc.	4,768	39,541
Nissin Corp.	1,400	24,480

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nisso Corp.	2,400	\$ 15,338
Nissui Corp.	13,000	58,385
Nitta Corp.	1,300	27,606
NITTAN Corp.	1,200	2,565
Nittetsu Mining Company, Ltd.	600	18,707
Nitto Boseki Company, Ltd.	1,400	22,378
Nitto Kogyo Corp.	1,600	39,547
Nitto Kohki Company, Ltd.	1,000	13,731
Nitto Seiko Company, Ltd.	1,700	6,904
Noevir Holdings Company, Ltd.	800	30,452
Nohmi Bosai, Ltd.	1,300	16,349
Nojima Corp.	3,200	30,447
NOK Corp.	1,900	27,869
Nomura Micro Science Company, Ltd.	600	28,287
Noritake Company, Ltd.	700	26,600
Noritsu Koki Company, Ltd.	1,000	16,173
Noritz Corp.	2,100	25,966
North Pacific Bank, Ltd.	12,900	25,513
NS Tool Company, Ltd.	800	6,342
NS United Kaiun Kaisha, Ltd.	800	19,073
NSD Company, Ltd.	2,200	44,231
NTN Corp.	18,400	38,975
Obara Group, Inc.	600	17,375
Ohsho Food Service Corp.	700	32,581
Oiles Corp.	1,380	19,128
Oisix ra daichi, Inc. (A)	1,200	20,637
Okabe Company, Ltd.	2,600	13,279
Okamoto Industries, Inc.	600	16,278
Okamura Corp.	2,900	38,499
Okasan Securities Group, Inc.	7,000	23,273
Oki Electric Industry Company, Ltd.	4,700	29,451
Okinawa Cellular Telephone Company	800	16,660
Okinawa Financial Group, Inc.	1,140	16,450
OKUMA Corp.	1,100	59,058
Okumura Corp.	1,200	33,966
Okura Industrial Company, Ltd.	800	12,288
Okuwa Company, Ltd.	1,000	5,812
Onoken Company, Ltd.	1,500	16,691
Onward Holdings Company, Ltd.	7,100	19,711
Optex Group Company, Ltd.	1,900	26,803
Optim Corp. (A)	700	4,969
Oporun Company, Ltd.	1,100	18,626
Organo Corp.	1,100	32,517
Orient Corp.	3,180	24,953
Oriental Shiraishi Corp.	7,600	16,265
Origin Company, Ltd.	600	5,372
Oro Company, Ltd.	700	10,147
Osaka Organic Chemical Industry, Ltd.	800	16,195
Osaka Soda Company, Ltd.	800	30,283
Osaka Steel Company, Ltd.	700	6,817
Osaki Electric Company, Ltd.	3,000	11,453
OSG Corp.	3,900	55,986
Outsourcing, Inc.	5,800	55,340
Oyo Corp.	1,300	18,153
Pacific Industrial Company, Ltd.	3,000	27,139
Pacific Metals Company, Ltd. (A)	1,100	11,699
PAL GROUP Holdings Company, Ltd.	700	18,947
Paramount Bed Holdings Company, Ltd.	1,600	26,659
Paris Miki Holdings, Inc.	1,100	2,516
Pasona Group, Inc.	1,300	15,096
PC Depot Corp.	1,700	5,663
Penta-Ocean Construction Company, Ltd.	12,400	66,650
PIA Corp. (A)	500	11,784
Pickles Holdings Company, Ltd.	800	7,006
Pigeon Corp.	5,500	75,928

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Pilot Corp.	1,200	\$ 38,059
Piolax, Inc.	2,100	31,694
Pole To Win Holdings, Inc.	2,000	10,938
Premium Group Company, Ltd.	2,400	28,990
Premium Water Holdings, Inc.	400	7,190
Press Kogyo Company, Ltd.	7,000	29,913
Pressance Corp.	700	9,860
Prestige International, Inc.	5,000	21,213
Prima Meat Packers, Ltd.	1,500	22,618
Procrea Holdings, Inc.	2,344	33,198
Pronexus, Inc.	600	4,169
Proto Corp.	1,800	14,230
PS Mitsubishi Construction Company, Ltd.	2,600	13,764
Punch Industry Company, Ltd.	1,300	4,524
QB Net Holdings Company, Ltd.	1,800	18,501
Qol Holdings Company, Ltd.	1,400	16,879
Quick Company, Ltd.	800	12,965
Raccoon Holdings, Inc.	800	3,803
Raito Kogyo Company, Ltd.	2,400	33,075
Raiznext Corp.	3,300	33,966
Rasa Industries, Ltd.	600	8,880
Raysum Company, Ltd.	300	6,172
Relia, Inc.	1,100	11,199
Relo Group, Inc.	1,000	13,655
Rengo Company, Ltd.	8,600	52,994
RENOVA, Inc. (A)	1,400	15,832
Resorttrust, Inc.	3,700	54,915
Restar Holdings Corp.	1,600	27,201
Retail Partners Company, Ltd.	300	3,321
Rheon Automatic Machinery Company, Ltd.	1,500	14,827
Ricoh Leasing Company, Ltd.	800	23,394
Riken Corp.	600	13,045
Riken Keiki Company, Ltd.	800	32,120
Riken Technos Corp.	3,000	13,671
Riken Vitamin Company, Ltd.	1,400	20,778
Rion Company, Ltd.	500	6,783
Riso Kyoiku Company, Ltd.	9,300	17,024
Rock Field Company, Ltd.	1,000	10,370
Rokko Butter Company, Ltd.	600	5,454
Roland Corp.	700	20,179
Roland DG Corp.	900	22,729
Rorze Corp.	500	40,767
Round One Corp.	10,500	41,594
RS Technologies Company, Ltd.	800	17,860
Ryobi, Ltd.	1,400	19,970
Ryoden Corp.	1,500	22,964
Ryosan Company, Ltd.	1,500	45,590
S Foods, Inc.	900	19,668
S&B Foods, Inc.	600	14,893
Sac's Bar Holdings, Inc.	600	4,266
Saibu Gas Holdings Company, Ltd.	1,500	21,605
Saint-Care Holding Corp.	1,900	10,294
Sakai Chemical Industry Company, Ltd.	1,400	18,221
Sakai Moving Service Company, Ltd.	500	17,378
Sakata INX Corp.	3,100	26,211
Sala Corp.	3,000	16,363
SAMTY Company, Ltd.	1,600	24,901
San ju San Financial Group, Inc.	1,700	18,654
San-A Company, Ltd.	1,300	41,123
San-Ai Obbli Company, Ltd.	3,500	37,046
Sangetsu Corp.	2,100	36,276
Sanken Electric Company, Ltd.	900	84,907
Sanki Engineering Company, Ltd.	2,000	21,039
Sankyo Frontier Company, Ltd.	300	7,733

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Sankyo Seiko Company, Ltd.	3,200	\$ 12,534
Sankyo Tateyama, Inc.	2,500	12,652
Sankyu, Inc.	700	23,169
Sanoh Industrial Company, Ltd.	1,900	11,386
Sanshin Electronics Company, Ltd.	700	10,453
Sanyo Chemical Industries, Ltd.	600	17,704
Sanyo Denki Company, Ltd.	400	21,622
Sanyo Electric Railway Company, Ltd.	1,600	24,353
Sanyo Shokai, Ltd.	700	9,349
Sanyo Special Steel Company, Ltd.	1,400	27,749
Sanyo Trading Company, Ltd.	1,200	11,723
Sapporo Holdings, Ltd.	1,500	38,626
Sato Holdings Corp.	1,700	23,093
Sawai Group Holdings Company, Ltd.	1,800	45,372
SB Technology Corp.	800	14,551
SBI Global Asset Management Company, Ltd.	1,300	4,634
SBS Holdings, Inc.	900	20,001
Scroll Corp.	2,300	15,466
Seika Corp.	500	6,852
Seikagaku Corp.	1,700	8,914
Seikitokyu Kogyo Company, Ltd.	1,600	15,772
Seiko Group Corp.	1,400	25,362
Seino Holdings Company, Ltd.	4,000	56,955
Seiren Company, Ltd.	1,900	32,610
Sekisui Jushi Corp.	1,600	25,441
Sekisui Kasei Company, Ltd.	2,500	7,641
Senko Group Holdings Company, Ltd.	4,700	33,829
Senshu Electric Company, Ltd.	600	15,327
Senshu Ikeda Holdings, Inc.	17,200	27,855
Senshukai Company, Ltd. (A)	3,300	9,244
Seria Company, Ltd.	2,100	33,549
Shibaura Electronics Company, Ltd.	500	23,117
Shibaura Machine Company, Ltd.	1,600	54,241
Shibaura Mechatronics Corp.	100	15,583
Shibuya Corp.	800	14,674
Shidax Corp.	2,000	9,661
Shikibo, Ltd.	1,100	7,709
Shikoku Electric Power Company, Inc. (A)	5,200	35,438
Shikoku Kasei Holdings Corp.	3,000	31,455
Shima Seiki Manufacturing, Ltd.	1,200	15,513
Shin Nippon Biomedical Laboratories, Ltd.	1,000	14,852
Shinagawa Refractories Company, Ltd.	600	22,530
Shindengen Electric Manufacturing Company, Ltd.	500	11,373
Shin-Etsu Polymer Company, Ltd.	3,000	31,856
Shinko Shoji Company, Ltd.	1,900	15,564
Shinmaywa Industries, Ltd.	2,400	22,535
Shinnihon Corp.	2,500	22,074
Shinwa Company, Ltd.	700	11,425
Ship Healthcare Holdings, Inc.	2,600	43,013
Shizuoka Gas Company, Ltd.	4,500	36,608
Shoei Company, Ltd.	1,600	29,679
Shoei Foods Corp.	700	20,830
Shofu, Inc.	600	9,651
Showa Sangyo Company, Ltd.	1,000	18,615
SIGMAXYZ Holdings, Inc.	1,800	17,401
Siix Corp.	1,600	17,505
Sinanen Holdings Company, Ltd.	800	21,169
Sinfonia Technology Company, Ltd.	1,600	19,165
Sinko Industries, Ltd.	1,500	21,800
Sintokogio, Ltd.	3,400	25,933
SKY Perfect JSAT Holdings, Inc.	7,800	30,992
Smaregi, Inc. (A)	400	6,236
SMK Corp.	300	5,038

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
SMS Company, Ltd.	1,600	\$ 32,178
Snow Peak, Inc. (D)	1,200	15,660
Sodick Company, Ltd.	2,400	11,897
Softcreate Holdings Corp.	1,400	17,272
Software Service, Inc.	200	14,931
Soken Chemical & Engineering Company, Ltd.	800	10,607
Solasto Corp.	3,200	14,825
Sotetsu Holdings, Inc.	3,500	61,702
Sparx Group Company, Ltd.	1,480	15,771
S-Pool, Inc.	5,000	18,395
SRA Holdings	600	13,542
SRE Holdings Corp. (A)	400	10,737
ST Corp.	700	7,339
St. Marc Holdings Company, Ltd.	800	10,472
Star Mica Holdings Company, Ltd.	2,200	9,998
Star Micronics Company, Ltd.	2,300	28,780
Starts Corp., Inc.	1,900	38,981
Starzen Company, Ltd.	600	9,525
Stella Chemifa Corp.	800	17,419
Strike Company, Ltd.	700	16,950
Studio Alice Company, Ltd.	900	13,879
Sugimoto & Company, Ltd.	700	10,610
Sumida Corp.	1,600	16,334
Suminoe Textile Company, Ltd.	500	7,601
Sumitomo Bakelite Company, Ltd.	1,700	70,867
Sumitomo Densetsu Company, Ltd.	1,300	28,021
Sumitomo Mitsui Construction Company, Ltd.	6,000	15,438
Sumitomo Osaka Cement Company, Ltd.	1,500	39,677
Sumitomo Riko Company, Ltd.	2,400	14,276
Sumitomo Seika Chemicals Company, Ltd.	500	15,511
Sun Frontier Fudousan Company, Ltd.	2,200	21,834
Suruga Bank, Ltd.	11,700	46,949
SWCC Corp.	2,400	31,997
SymBio Pharmaceuticals, Ltd. (A)	2,100	6,370
Systema Corp.	12,200	24,882
Syuppin Company, Ltd.	1,200	9,605
T Hasegawa Company, Ltd.	1,600	38,326
T RAD Company, Ltd.	500	6,414
T&K Toka Company, Ltd.	1,600	13,110
Tachibana Eletech Company, Ltd.	1,360	28,096
Tachi-S Company, Ltd.	2,400	25,862
Tadano, Ltd.	5,000	39,947
Taihei Dengyo Kaisha, Ltd.	1,000	29,599
Taiheiyo Cement Corp.	2,700	53,380
Taiho Kogyo Company, Ltd.	1,200	7,799
Taikisha, Ltd.	900	25,686
Taisei Lamick Company, Ltd.	500	10,101
Taiyo Holdings Company, Ltd.	2,000	37,188
Takamatsu Construction Group Company, Ltd.	1,000	17,982
Takaoka Toko Company, Ltd.	700	10,467
Takara Bio, Inc.	2,100	24,119
Takara Holdings, Inc.	5,700	46,406
Takara Standard Company, Ltd.	2,200	28,112
Takasago International Corp.	1,200	22,566
Takasago Thermal Engineering Company, Ltd.	1,700	28,523
Takashimaya Company, Ltd.	1,100	15,377
Takeuchi Manufacturing Company, Ltd.	1,600	49,431
Takuma Company, Ltd.	3,000	30,882
Tama Home Company, Ltd.	1,000	23,002
Tamron Company, Ltd.	1,500	42,012
Tamura Corp.	6,000	27,964

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Tanseisha Company, Ltd.	1,100	\$ 6,036
Tatsuta Electric Wire and Cable Company, Ltd.	4,200	20,785
Tayca Corp.	1,500	14,347
TDC Soft, Inc.	1,200	15,043
TechMatrix Corp.	2,000	25,948
Techno Horizon Company, Ltd. (A)	1,400	5,948
Teijin, Ltd.	4,200	42,134
Teikoku Sen-I Company, Ltd.	1,200	13,674
Tekken Corp.	800	11,451
Tenma Corp.	1,000	18,168
Tess Holdings Company, Ltd.	1,200	7,671
T-Gaia Corp.	900	10,832
The 77 Bank, Ltd.	2,800	49,865
The Akita Bank, Ltd.	1,100	12,795
The Awa Bank, Ltd.	2,200	30,416
The Bank of Iwate, Ltd.	1,100	15,649
The Bank of Nagoya, Ltd.	1,100	25,350
The Bank of Saga, Ltd.	1,000	11,546
The Chiba Kogyo Bank, Ltd.	3,200	13,907
The Chugoku Electric Power Company, Inc. (A)	4,600	31,146
The Ehime Bank, Ltd.	2,100	11,772
The First Bank of Toyama, Ltd.	2,800	14,413
The Fukui Bank, Ltd.	1,800	18,065
The Fukushima Bank, Ltd.	2,100	3,113
The Furukawa Battery Company, Ltd.	1,300	9,441
The Gunma Bank, Ltd.	14,200	52,092
The Hachijuni Bank, Ltd.	16,132	70,074
The Hyakugo Bank, Ltd.	12,500	36,320
The Hyakujushi Bank, Ltd.	1,700	21,896
The Keiyo Bank, Ltd.	4,400	16,292
The Kita-Nippon Bank, Ltd.	700	9,899
The Kiyo Bank, Ltd.	3,800	39,092
The Miyazaki Bank, Ltd.	1,000	16,203
The Monogatari Corp.	1,200	29,125
The Musashino Bank, Ltd.	1,700	25,739
The Nanto Bank, Ltd.	2,000	33,899
The Nippon Road Company, Ltd.	200	12,999
The Nisshin Oillio Group, Ltd.	1,200	28,532
The Ogaki Kyoritsu Bank, Ltd.	1,600	20,499
The Oita Bank, Ltd.	900	13,549
The Okinawa Electric Power Company, Inc. (A)	1,990	15,892
The Pack Corp.	800	16,663
The San-In Godo Bank, Ltd.	4,300	24,105
The Shibusawa Warehouse Company, Ltd.	1,000	19,416
The Shiga Bank, Ltd.	2,200	41,356
The Shikoku Bank, Ltd.	2,800	16,659
The Shimizu Bank, Ltd.	500	5,068
The Sumitomo Warehouse Company, Ltd.	1,824	30,034
The Tochigi Bank, Ltd.	8,000	13,934
The Toho Bank, Ltd.	12,000	18,841
The Tohoku Bank, Ltd.	400	2,870
The Tottori Bank, Ltd.	400	3,216
The Towa Bank, Ltd.	2,900	10,732
The Yamagata Bank, Ltd.	2,000	14,526
The Yamanashi Chuo Bank, Ltd.	2,000	17,295
Tigers Polymer Corp.	1,000	4,153
TKC Corp.	1,300	35,175
Toa Corp. (Hyogo)	1,400	8,988
Toa Corp. (Tokyo)	1,200	25,926
Toagosei Company, Ltd.	4,300	38,582
Tobishima Corp.	720	6,346
TOC Company, Ltd.	3,400	14,947

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Tocalo Company, Ltd.	3,200	\$ 33,586
Toda Corp.	8,400	47,211
Toda Kogyo Corp. (A)	300	4,867
Toei Company, Ltd.	100	12,764
Toenec Corp.	600	15,005
Toho Company, Ltd.	600	12,153
Toho Gas Company, Ltd.	2,200	38,166
Toho Holdings Company, Ltd.	2,400	44,149
Toho Titanium Company, Ltd.	1,300	15,841
Toho Zinc Company, Ltd.	800	9,424
Tokai Carbon Company, Ltd.	10,000	92,050
Tokai Corp.	1,200	15,737
TOKAI Holdings Corp.	4,000	25,030
Tokai Rika Company, Ltd.	2,600	38,593
Tokai Tokyo Financial Holdings, Inc.	11,500	30,542
Token Corp.	410	21,221
Tokushu Tokai Paper Company, Ltd.	600	13,425
Tokuyama Corp.	3,200	52,815
Tokyo Base Company, Ltd.	900	2,219
Tokyo Electron Device, Ltd.	400	29,442
Tokyo Energy & Systems, Inc.	2,000	13,561
Tokyo Keiki, Inc.	1,000	9,115
Tokyo Kiraboshi Financial Group, Inc.	1,936	42,053
Tokyo Ohka Kogyo Company, Ltd.	200	12,266
Tokyo Rakutenchi Company, Ltd.	200	5,728
Tokyo Rope Manufacturing Company, Ltd.	200	1,622
Tokyo Seimitsu Company, Ltd.	1,800	99,670
Tokyo Steel Manufacturing Company, Ltd.	2,700	25,552
Tokyo Tekko Company, Ltd.	800	18,322
Tokyo Theatres Company, Inc.	900	7,054
Tokyotokeiba Company, Ltd.	600	16,389
Tokyu Construction Company, Ltd.	3,900	20,153
Tomato Bank, Ltd.	1,100	7,949
Tomen Devices Corp.	200	7,022
Tomoe Corp.	2,200	7,540
Tomoku Company, Ltd.	500	7,200
TOMONY Holdings, Inc.	10,600	26,947
Tomy Company, Ltd.	4,500	56,689
Tonami Holdings Company, Ltd.	500	16,035
Topcon Corp.	4,700	69,248
Topre Corp.	2,300	25,474
Topy Industries, Ltd.	1,300	20,509
Torex Semiconductor, Ltd.	700	11,606
Toridoll Holdings Corp.	2,000	43,592
Torii Pharmaceutical Company, Ltd.	1,100	27,708
Torishima Pump Manufacturing Company, Ltd.	900	11,884
Tosei Corp.	2,500	30,363
Toshiba TEC Corp.	1,100	31,612
Tosho Company, Ltd.	1,300	11,462
Totetsu Kogyo Company, Ltd.	1,000	18,603
Towa Corp.	1,300	23,352
Towa Pharmaceutical Company, Ltd.	1,500	18,480
Toyo Construction Company, Ltd.	3,100	23,432
Toyo Corp.	1,100	11,002
Toyo Denki Seizo KK	600	4,081
Toyo Engineering Corp. (A)	2,200	9,029
Toyo Gosei Company, Ltd.	300	21,684
Toyo Ink SC Holdings Company, Ltd.	2,200	33,279
Toyo Kanetsu KK	400	9,489
Toyo Securities Company, Ltd.	6,000	12,865
Toyo Tanso Company, Ltd.	1,000	35,778
Toyo Tire Corp.	5,100	67,728
Toyo Wharf & Warehouse Company, Ltd.	600	5,760
Toyobo Company, Ltd.	4,093	29,340

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
TPR Company, Ltd.	1,400	\$ 16,514
Trancom Company, Ltd.	400	18,297
Transaction Company, Ltd.	1,700	22,591
Transcosmos, Inc.	1,400	34,837
Tri Chemical Laboratories, Inc.	1,200	23,519
Trusco Nakayama Corp.	2,200	34,884
TS Tech Company, Ltd.	4,400	55,645
TSI Holdings Company, Ltd.	5,270	28,889
Tsubaki Nakashima Company, Ltd.	2,300	12,927
Tsubakimoto Chain Company	1,600	40,842
Tsugami Corp.	1,600	15,420
Tsukishima Holdings Company, Ltd.	2,000	16,824
Tsukuba Bank, Ltd.	5,700	8,011
Tsumura & Company	2,600	48,142
Tsurumi Manufacturing Company, Ltd.	1,000	18,119
TV Asahi Holdings Corp.	2,000	22,846
UACJ Corp.	1,903	36,181
UBE Corp.	4,400	75,646
Ubicom Holdings, Inc.	500	5,577
Uchida Yoko Company, Ltd.	400	16,206
Ulvac, Inc.	900	38,385
Union Tool Company	700	15,727
Unipres Corp.	2,600	20,972
United Arrows, Ltd.	1,600	27,683
United Super Markets Holdings, Inc.	2,400	18,546
UNITED, Inc.	2,600	15,978
Unitika, Ltd. (A)	5,900	9,618
Universal Entertainment Corp. (A)	1,200	20,443
Usen-Next Holdings Company, Ltd.	1,300	30,632
Ushio, Inc.	4,400	59,488
UT Group Company, Ltd. (A)	1,500	31,715
UUUM Company, Ltd. (A)	800	4,032
V Technology Company, Ltd.	400	6,753
Valor Holdings Company, Ltd.	1,700	23,606
Valqua, Ltd.	1,000	27,331
Value HR Company, Ltd.	1,200	12,059
ValueCommerce Company, Ltd.	900	8,467
Vector, Inc.	3,100	28,985
Vertex Corp.	1,100	12,064
Vital KSK Holdings, Inc.	3,500	21,647
VT Holdings Company, Ltd.	6,600	25,113
Wacoal Holdings Corp.	1,900	38,220
Wacom Company, Ltd.	8,000	32,884
Wakachiku Construction Company, Ltd.	900	19,885
Wakita & Company, Ltd.	2,300	20,709
Warabeya Nichiyo Holdings Company, Ltd.	900	13,876
Watahan & Company, Ltd.	600	5,702
WDB Holdings Company, Ltd.	700	10,336
Weathernews, Inc.	300	13,889
Wellneo Sugar Company, Ltd.	1,100	15,115
West Holdings Corp.	716	12,477
Will Group, Inc.	1,200	9,214
WingArc1st, Inc.	2,100	34,749
WIN-Partners Company, Ltd.	1,000	7,159
World Company, Ltd.	700	8,048
World Holdings Company, Ltd.	600	11,310
Wowow, Inc.	600	4,769
Xebio Holdings Company, Ltd.	2,800	21,176
Yahagi Construction Company, Ltd.	2,000	17,222
Yaizu Suisankagaku Industry Company, Ltd.	1,100	6,281
YAKUODO Holdings Company, Ltd.	700	12,366
YAMABIKO Corp.	2,400	26,026

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
YAMADA Consulting Group Company, Ltd.	1,100	\$ 12,362
Yamae Group Holdings Company, Ltd.	1,000	21,848
Yamaguchi Financial Group, Inc.	9,600	64,464
Yamaichi Electronics Company, Ltd.	1,700	28,124
YA-MAN, Ltd.	1,700	11,905
Yamazen Corp.	3,900	30,003
Yaoko Company, Ltd.	300	15,048
Yasuda Logistics Corp.	1,400	9,543
Yellow Hat, Ltd.	2,000	25,754
Yodogawa Steel Works, Ltd.	1,200	28,351
Yokogawa Bridge Holdings Corp.	2,100	36,879
Yokorei Company, Ltd.	2,900	23,592
Yokowo Company, Ltd.	1,200	15,482
Yomeishu Seizo Company, Ltd.	500	6,455
Yondenko Corp.	1,200	18,696
Yondoshi Holdings, Inc.	1,300	16,246
Yonex Company, Ltd.	2,100	20,325
Yorozu Corp.	1,800	11,943
Yoshinoya Holdings Company, Ltd.	2,000	35,464
Yuasa Trading Company, Ltd.	1,100	33,593
Yukiguni Maitake Company, Ltd.	1,000	6,768
Yurtec Corp.	2,000	11,994
Yushiro Chemical Industry Company, Ltd.	1,100	8,297
Zenrin Company, Ltd.	1,950	12,495
ZERIA Pharmaceutical Company, Ltd.	1,200	20,408
ZIGExN Company, Ltd.	7,000	38,493
		24,114,189
Jersey, Channel Islands - 0.1%		
Centamin PLC	57,981	67,273
Liechtenstein - 0.1%		
Liechtensteinische Landesbank AG	726	47,631
VP Bank AG, Class A	188	17,730
		65,361
Luxembourg - 0.4%		
ADLER Group SA (A)(C)(D)	776	467
APERAM SA	2,512	78,443
B&S Group Sarl (C)	983	4,209
Befesa SA (C)	1,789	68,369
d'Amico International Shipping SA	10,076	38,993
Global Fashion Group SA (A)	1,789	1,193
Grand City Properties SA (A)	3,748	29,460
IVS Group SA	2,104	11,156
L'Occitane International SA	10,750	25,952
RTL Group SA	241	9,647
SES SA	17,911	105,519
Sword Group	278	12,443
		385,851
Macau - 0.0%		
MECOM Power and Construction, Ltd.	87,750	11,101
Malaysia - 0.0%		
Frencken Group, Ltd.	15,400	10,318
Malta - 0.0%		
Catena Media PLC (A)	3,412	6,201
Mauritius - 0.0%		
Capital, Ltd.	9,014	10,825
Netherlands - 2.0%		
Aalberts NV	4,447	187,272
Acomo NV	876	20,940
Alfen N.V. (A)(C)(D)	1,069	71,879
AMG Critical Materials NV	1,350	70,043
Arcadis NV	3,031	126,770
ASR Nederland NV	3,417	154,119

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Netherlands (continued)		
Basic-Fit NV (A)(C)(D)	2,099	\$ 80,252
BE Semiconductor Industries NV	2,921	316,795
Beter Bed Holding NV	1,056	3,373
Brack Capital Properties NV (A)	230	24,761
Brunel International NV	1,126	14,679
Corbion NV	2,473	59,066
CTP NV (C)	3,872	50,372
Flow Traders, Ltd.	1,631	35,978
ForFarmers NV	2,398	7,198
Fugro NV (A)	3,784	58,955
Heijmans NV	2,278	26,952
Innoconcepts NV (A)(B)	10,527	0
Kendrion NV	1,152	21,243
Koninklijke BAM Groep NV	15,496	29,866
Koninklijke Vopak NV	2,374	84,737
Meltwater NV (A)	7,973	13,317
Nedap NV	225	14,292
OCI NV (A)	1,414	33,963
Ordina NV	5,537	34,290
Pharming Group NV (A)	30,666	35,945
PostNL NV	15,306	26,698
PPHE Hotel Group, Ltd.	592	8,422
Redcare Pharmacy NV (A)(C)	194	20,093
SBM Offshore NV	5,505	75,463
SIF Holding NV (A)	504	7,322
Signify NV (C)	5,215	146,197
Sligro Food Group NV	1,151	19,801
TKH Group NV	1,628	80,803
TomTom NV (A)	3,258	25,327
Van Lanschot Kempen NV	1,515	50,807
		2,037,990
New Zealand - 0.4%		
Air New Zealand, Ltd. (A)	37,974	18,230
Arvida Group, Ltd.	13,124	10,174
Channel Infrastructure NZ, Ltd.	11,354	10,253
Chorus, Ltd.	15,977	82,658
Delegat Group, Ltd.	1,200	6,367
Freightways Group, Ltd.	5,543	28,339
Gentrack Group, Ltd. (A)	3,060	7,895
Hallenstein Glasson Holdings, Ltd.	3,354	12,645
Heartland Group Holdings, Ltd.	22,242	23,240
Investore Property, Ltd.	13,816	12,049
KMD Brands, Ltd.	25,838	15,873
Manawa Energy, Ltd.	1,665	5,061
NZME, Ltd.	13,259	7,753
NZX, Ltd.	16,781	11,935
Oceania Healthcare, Ltd.	41,920	19,833
Pacific Edge, Ltd. (A)	27,936	1,492
PGG Wrightson, Ltd.	819	2,057
Restaurant Brands New Zealand, Ltd.	886	3,402
Sanford, Ltd.	2,767	6,951
Scales Corp., Ltd.	5,176	10,013
Serko, Ltd. (A)	2,827	6,536
Skellerup Holdings, Ltd.	7,637	21,545
SKY Network Television, Ltd.	6,265	9,395
SKYCITY Entertainment Group, Ltd.	20,410	28,589
Summerset Group Holdings, Ltd.	3,644	21,474
Synlait Milk, Ltd. (A)	5,495	5,605
The Warehouse Group, Ltd.	9,894	10,701
Tourism Holdings, Ltd. (A)	6,508	15,482
TOWER, Ltd.	11,445	4,460
Vista Group International, Ltd. (A)	7,682	8,166
		428,173
Norway - 0.8%		
ABG Sundal Collier Holding ASA	24,237	11,766

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Norway (continued)		
AF Gruppen ASA	717	\$ 8,895
Akastor ASA	6,104	6,330
Aker Carbon Capture ASA (A)	4,495	5,900
AMSC ASA (A)	1,661	6,176
ArcticZymes Technologies ASA (A)	962	3,574
Atea ASA (A)	3,574	51,892
Austevoll Seafood ASA	1,488	10,278
Axactor ASA (A)	14,729	6,969
B2Holding ASA	23,929	14,815
Belships ASA	10,010	15,716
BLUENORD ASA (A)	912	34,762
Bonheur ASA	1,411	34,236
Borregaard ASA	2,318	34,349
Bouvet ASA	3,002	18,190
BW Offshore, Ltd.	4,568	11,120
Cloudberry Clean Energy ASA (A)	5,431	6,483
Crayon Group Holding ASA (A)(C)	1,983	19,403
DNO ASA	18,710	16,478
Europris ASA (C)	8,327	55,524
FLEX LNG, Ltd.	294	8,984
Grieg Seafood ASA	2,264	14,168
Hexagon Composites ASA (A)	6,450	16,395
IDEX Biometrics ASA (A)	19,564	1,302
Kahoot! ASA (A)	8,215	22,407
Kid ASA (C)	1,128	7,922
Kitron ASA	9,158	37,191
LINK Mobility Group Holding ASA (A)	7,126	7,492
Medistim ASA	352	9,151
MPC Container Ships ASA	15,398	26,339
Multiconsult ASA (C)	554	7,977
Norske Skog ASA (C)	1,815	7,141
Norwegian Air Shuttle ASA (A)	11,101	10,669
Odffjell Drilling, Ltd. (A)	4,970	11,945
Otello Corp. ASA	33	25
Panoro Energy ASA	3,699	9,044
Pareto Bank ASA	1,457	6,793
PGS ASA (A)	22,374	12,386
PhotoCure ASA (A)	2,625	11,399
PoLight ASA (A)(C)(D)	3,259	3,477
Protector Forsikring ASA	3,316	51,119
Scatec ASA (C)	4,993	32,684
Self Storage Group ASA (A)	2,940	6,277
Selvaag Bolig ASA	1,842	5,523
Sparebank 1 Oestlandet	758	9,182
SpareBank 1 Sorost-Norge	4,392	20,692
Sparebanken More	1,230	8,837
Treasure ASA	10	19
Ultimovacs ASA (A)	584	4,198
Veidekke ASA	5,117	54,865
Volue ASA (A)	3,279	5,515
With Wilhelmsen Holding ASA, Class A	862	22,628
XXL ASA (A)(C)	4,462	743
		827,345
Peru - 0.0%		
Hochschild Mining PLC	16,530	14,899
Portugal - 0.4%		
Altri SGPS SA	6,511	29,582
Banco Comercial Portugues SA (A)	308,962	74,082
Corticeira Amorim SGPS SA	2,100	22,164
CTT-Correios de Portugal SA	8,914	33,893
Greenvolt-Energias Renovaveis SA (A)	2,423	16,164
Mota-Engil SGPS SA	5,636	13,808
NOS SGPS SA	10,693	38,002
REN - Redes Energeticas Nacionais SGPS SA	21,605	58,834

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Portugal (continued)		
Sonae SGPS SA	34,734	\$ 34,148
The Navigator Company SA	12,847	43,524
		364,201
Singapore - 1.1%		
AEM Holdings, Ltd.	9,100	25,110
Banyan Tree Holdings, Ltd. (A)	19,800	5,353
Best World International, Ltd. (A)	3,974	5,389
Boustead Singapore, Ltd.	10,000	6,218
Bukit Sembawang Estates, Ltd.	11,000	32,934
BW Energy, Ltd. (A)	1,155	2,771
BW LPG, Ltd. (C)	4,059	40,504
Capitaland India Trust	45,100	38,095
China Aviation Oil Singapore Corp., Ltd.	14,400	10,026
ComfortDelGro Corp., Ltd.	90,100	77,418
COSCO Shipping International Singapore Company, Ltd. (A)	58,900	6,894
CSE Global, Ltd.	34,000	9,816
Delfi, Ltd.	21,900	20,914
Ezion Holdings, Ltd. (A)(B)	131,300	4,175
Far East Orchard, Ltd.	5,140	3,843
First Resources, Ltd.	19,300	19,912
Fraser and Neave, Ltd.	8,600	6,813
Gallant Venture, Ltd. (A)	71,000	6,836
Golden Agri-Resources, Ltd.	183,600	33,312
Golden Energy & Resources, Ltd. (A)	45,100	6,013
GuocoLand, Ltd.	10,400	11,630
Haw Par Corp., Ltd.	4,700	32,535
Ho Bee Land, Ltd.	11,400	17,327
Hong Fok Corp., Ltd.	20,100	14,830
Hong Leong Finance, Ltd.	12,900	23,841
Hyflux, Ltd. (A)	24,000	0
iFAST Corp., Ltd.	7,000	23,882
IGG, Inc. (A)	38,000	18,883
Indofood Agri Resources, Ltd.	25,000	5,920
Japfa, Ltd.	22,700	3,616
Kenon Holdings, Ltd.	413	9,661
Keppel Infrastructure Trust	165,049	62,338
Metro Holdings, Ltd.	31,600	14,280
Midas Holdings, Ltd. (A)(B)	86,000	10,378
Nanofilm Technologies International, Ltd.	6,500	6,528
NetLink NBN Trust	91,100	57,657
Oceanus Group, Ltd. (A)	1,035,500	8,449
OM Holdings, Ltd.	10,791	3,634
OUE, Ltd.	11,100	8,620
Oxley Holdings, Ltd.	27,222	2,556
Raffles Medical Group, Ltd.	35,758	36,019
SATS, Ltd. (A)	33,207	63,525
SBS Transit, Ltd.	5,000	9,621
Sheng Siong Group, Ltd.	29,900	36,276
SIA Engineering Company, Ltd. (A)	12,800	23,613
SIIC Environment Holdings, Ltd.	35,800	5,698
Sinarmas Land, Ltd.	94,200	13,939
Singapore Land Group, Ltd.	7,100	10,707
Singapore Post, Ltd.	66,100	22,054
Stamford Land Corp., Ltd.	69,044	19,902
StarHub, Ltd.	25,600	19,705
Straits Trading Company, Ltd.	1,416	2,160
Swiber Holdings, Ltd. (A)(B)	15,000	725
The Hour Glass, Ltd.	10,100	14,956
Thomson Medical Group, Ltd.	212,000	9,263
UMS Holdings, Ltd.	36,400	28,659
UOB-Kay Hian Holdings, Ltd.	16,691	17,162
Venture Corp., Ltd.	6,000	65,507
Wing Tai Holdings, Ltd.	21,205	23,065

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Singapore (continued)		
Yeo Hiap Seng, Ltd.	1,129	\$ 544
		1,122,011
Spain - 2.5%		
Acerinox SA	9,313	98,981
Aedas Homes SA (C)	426	8,352
Alantra Partners SA	1,181	12,893
Almirall SA	4,308	35,617
Amper SA (A)	82,546	9,138
Applus Services SA	6,225	66,901
Atresmedia Corp. de Medios de Comunicacion SA	6,046	23,064
Banco de Sabadell SA	268,107	309,115
Bankinter SA	32,551	200,344
Caja de Ahorros del Mediterraneo (A)(B)	5,428	0
Cia de Distribucion Integral Logista Holdings SA	3,113	83,946
CIE Automotive SA	1,829	55,962
Construcciones y Auxiliar de Ferrocarriles SA	1,139	38,263
Distribuidora Internacional de Alimentacion SA (A)	1,566,729	24,475
Ebro Foods SA	2,006	35,370
eDreams ODIGEO SA (A)	4,905	35,176
Elecnor SA	2,026	28,751
Enagas SA (D)	11,699	229,928
Ence Energia y Celulosa SA	6,294	19,868
Ercros SA	5,006	17,429
Faes Farma SA	16,962	58,935
Fluidra SA	2,959	57,697
Fomento de Construcciones y Contratas SA	2,450	31,594
Gestamp Automocion SA (C)	7,287	34,206
Global Dominion Access SA (C)	5,439	23,293
Greenenergy Renovables SA (A)	573	17,679
Grifols SA (A)	2,322	29,789
Grupo Catalana Occidente SA	1,834	56,410
Grupo Empresarial San Jose SA (D)	2,194	8,890
Iberpapel Gestion SA	65	1,071
Indra Sistemas SA	6,513	82,394
Laboratorios Farmaceuticos Rovi SA	987	45,709
Linea Directa Aseguradora SA Cia de Seguros y Reaseguros	27,501	24,750
Mapfre SA	36,878	73,315
Melia Hotels International SA (A)	4,842	33,657
Miquel y Costas & Miquel SA	2,010	25,300
Neinor Homes SA (A)(C)	1,978	19,915
Obrascon Huarte Lain SA (A)	19,608	10,010
Pharma Mar SA	409	13,607
Promotora de Informaciones SA, Class A (A)	11,711	4,850
Prosegur Cash SA (C)	35,886	23,327
Prosegur Cia de Seguridad SA	10,114	17,961
Realia Business SA (A)	17,710	19,998
Sacyr SA	23,824	81,522
Solaria Energia y Medio Ambiente SA (A)	2,636	40,515
Soltec Power Holdings SA (A)	2,101	9,649
Talgo SA (A)(C)	4,803	17,540
Tecnicas Reunidas SA (A)	1,205	10,990
Tubacex SA	6,252	18,550
Unicaja Banco SA (C)	62,819	66,105
Vidrala SA	868	82,056
Viscofan SA	1,837	126,973
		2,501,830
Sweden - 2.5%		
AcadeMedia AB (C)	3,665	17,116

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
AddLife AB, B Shares	2,462	\$ 27,798
AddNode Group AB	5,860	45,262
AFRY AB	3,857	57,021
Alimak Group AB (C)	4,282	33,491
Alligo AB, Class B	2,270	23,150
Ambea AB (C)	5,569	18,127
Annehem Fastigheter AB, B Shares (A)	1,155	1,911
AQ Group AB	291	11,584
Arjo AB, B Shares	10,690	38,757
Attendo AB (A)(C)	5,286	15,483
Balco Group AB	665	2,673
Beijer Alma AB	2,393	50,007
Bergman & Beving AB	2,270	36,296
Betsson AB, B Shares (A)	5,105	54,364
BHG Group AB (A)(D)	2,406	3,355
Bilia AB, A Shares	2,411	25,157
BioInvent International AB (A)	2,250	3,767
Biotage AB	2,541	31,696
Bonava AB, B Shares	3,323	5,589
Boozt AB (A)(C)	2,040	22,792
BTS Group AB, B Shares	346	8,157
Bufab AB	1,460	50,014
Bulten AB	717	6,609
Bure Equity AB	2,057	47,833
Byggmax Group AB (A)	5,363	14,392
Catella AB	2,217	5,448
Catena AB	1,429	52,390
Cellavision AB	999	16,998
Cibus Nordic Real Estate AB	1,681	16,345
Clas Ohlson AB, B Shares	3,185	23,896
Cloetta AB, B Shares	10,640	19,358
Coor Service Management Holding AB (C)	5,027	24,663
Corem Property Group AB, B Shares	14,214	6,674
Corem Property Group AB, D Shares	408	4,573
CTT Systems AB	566	11,130
Dios Fastigheter AB	3,582	22,898
Dometic Group AB (C)	4,296	28,331
Duni AB (A)	2,559	25,156
Dustin Group AB (A)(C)	4,979	13,799
Elanders AB, B Shares	1,468	16,215
Electrolux Professional AB, B Shares	9,620	52,211
Enea AB (A)	1,522	5,958
Fagerhult AB	4,609	29,249
Fastighets AB Trianon (A)	1,452	2,172
FastPartner AB, A Shares	2,697	10,135
Ferronordic AB	318	2,211
Fingerprint Cards AB, B Shares (A)	16,071	2,735
G5 Entertainment AB	330	6,109
GARO AB	1,737	10,126
Granges AB	5,521	52,688
Green Landscaping Group AB (A)(C)	1,593	11,172
Heba Fastighets AB, Class B	4,570	11,270
HMS Networks AB	884	43,286
Hoist Finance AB (A)(C)	2,083	5,391
Humana AB (A)	2,641	5,435
Instalco AB	7,730	38,633
Inwido AB	3,126	28,449
JM AB	2,484	33,147
Karnov Group AB (A)	3,501	15,980
K-fast Holding AB (A)	1,142	2,039
KNOW IT AB	1,459	23,593
Lagercrantz Group AB, B Shares	981	12,652
Lime Technologies AB	558	14,163
Lindab International AB	3,819	54,368
Loomis AB	2,144	62,610

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
MEKO AB	2,150	\$ 22,227
MIPS AB	1,182	58,583
Modern Times Group MTG AB, B Shares (A)	2,851	18,178
Momentum Group AB	2,270	25,582
Munters Group AB (C)	5,052	57,368
Mycronic AB	3,563	88,235
NCAB Group AB	4,318	33,604
NCC AB, B Shares	3,723	32,554
Nederman Holding AB	887	17,375
Net Insight AB, B Shares (A)	16,550	7,386
New Wave Group AB, B Shares	7,177	63,219
Nobia AB (A)	6,676	8,473
Nolato AB, B Shares	6,748	31,761
Nordic Paper Holding AB	2,488	7,173
Nordic Waterproofing Holding AB	2,002	25,589
Note AB (A)	776	16,339
NP3 Fastigheter AB	1,683	25,430
Nyfosa AB	5,830	32,272
OEM International AB, B Shares	4,726	42,949
Orron Energy AB (A)	7,422	7,818
Peab AB, Class B	1,901	7,563
Platzer Fastigheter Holding AB, Series B	3,454	25,603
Pricer AB, B Shares	7,930	5,257
Proact IT Group AB	1,428	10,478
Ratos AB, B Shares	8,255	23,156
RaySearch Laboratories AB (A)	2,452	14,401
Resurs Holding AB (C)	6,236	11,590
Scandi Standard AB	4,648	22,049
Scandic Hotels Group AB (A)(C)	5,932	24,066
Sdiptech AB, Class B (A)	738	18,297
Sensys Gatso Group AB (A)	293	2,106
SkiStar AB	2,041	21,841
Solid Forsakring AB	623	3,668
Stendorren Fastigheter AB (A)	1,288	19,405
Stillfront Group AB (A)	19,809	33,115
Systemair AB	6,526	47,594
Tethys Oil AB	2,334	10,544
Troax Group AB	1,308	25,858
VBG Group AB, B Shares	630	10,648
Viaplay Group AB, B Shares (A)	1,054	6,047
Vitec Software Group AB, B Shares	1,147	57,636
Volati AB	786	8,214
XANO Industri AB, Class B	694	7,265
		2,514,573
Switzerland - 7.7%		
Accelleron Industries AG	925	22,223
Adecco Group AG	2,897	94,881
Allreal Holding AG	643	108,846
ALSO Holding AG	324	69,960
Aluflexpack AG (A)	549	9,569
APG SGA SA	84	17,547
Arbonia AG	2,962	33,506
Aryzta AG (A)	57,916	96,115
Ascom Holding AG	1,310	15,982
Autoneum Holding AG (A)	221	36,224
Baloise Holding AG	1,848	271,826
Banque Cantonale de Geneve, Bearer Shares	142	34,389
Banque Cantonale Vaudoise	779	82,282
Basilea Pharmaceutica AG (A)	468	22,129
Belimo Holding AG	521	260,402
Bell Food Group AG	138	39,309
Bellevue Group AG	467	13,868
Berner Kantonalbank AG	246	63,817

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
BKW AG	1,123	\$ 198,546
Bossard Holding AG, Class A	248	55,135
Bucher Industries AG	333	147,365
Burckhardt Compression Holding AG	187	109,812
Bystronic AG	74	49,202
Calida Holding AG	285	10,866
Carlo Gavazzi Holding AG, Bearer Shares	38	15,968
Cembra Money Bank AG	1,485	123,383
Cie Financiere Tradition SA, Bearer Shares	105	13,907
Clariant AG (A)	9,918	143,479
Coltene Holding AG (A)	198	15,675
Comet Holding AG	425	108,631
Daetwyler Holding AG, Bearer Shares	281	59,942
DKSH Holding AG	1,625	120,953
dormakaba Holding AG	178	80,086
Dufry AG (A)	3,848	175,515
EFG International AG (A)	4,687	47,665
Emmi AG	86	82,937
Energiedienst Holding AG	979	42,664
Evolva Holding SA (A)	291	1,458
Feintool International Holding AG	426	10,213
Fenix Outdoor International AG	225	15,545
Flughafen Zurich AG	1,072	222,980
Forbo Holding AG	39	56,004
Fundamenta Real Estate AG (A)	1,563	28,359
Galenica AG (C)	2,404	194,352
GAM Holding AG (A)	11,204	6,771
Georg Fischer AG	3,955	297,458
Gurit Holding AG, Bearer Shares (A)	220	20,458
Helvetia Holding AG	1,796	243,420
Hiag Immobilien Holding AG	325	27,613
HOCHDORF Holding AG (A)	16	354
Huber + Suhner AG	816	67,405
Hypothekarbank Lenzburg AG	3	14,475
Implenia AG	770	37,394
Ina Invest Holding AG (A)	199	4,063
Inficon Holding AG	68	82,166
Interroll Holding AG	30	92,844
Intershop Holding AG	54	36,024
Investis Holding SA	160	16,395
IWG PLC (A)	54,912	96,297
Jungfraubahn Holding AG	269	45,177
Kardex Holding AG	299	67,248
Komax Holding AG	228	59,250
Kongsberg Automotive ASA (A)	23,611	5,406
Kudelski SA, Bearer Shares (A)	2,497	4,713
Landis+Gyr Group AG (A)	1,306	112,324
LEM Holding SA	30	75,112
Luzerner Kantonalbank AG	1,067	87,905
Medacta Group SA (C)	308	41,945
medmix AG (C)	877	23,213
Metall Zug AG, B Shares	12	22,013
Mobilezone Holding AG	2,336	35,849
Mobimo Holding AG	387	104,395
Novavest Real Estate AG (A)	469	19,450
OC Oerlikon Corp. AG	8,368	41,737
Orascom Development Holding AG (A)(D)	533	3,802
Orior AG	425	36,352
Peach Property Group AG (A)	212	3,150
Phoenix Mecano AG (A)	38	16,213
Plazza AG, Class A	68	23,983
PSP Swiss Property AG	2,283	255,096
Rieter Holding AG	251	26,072
Romande Energie Holding SA	850	50,475
Schaffner Holding AG	40	12,741

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Schweiter Technologies AG	58	\$ 41,874
Sensirion Holding AG (A)(C)	493	53,993
SFS Group AG	898	118,324
Siegfried Holding AG (A)	194	160,421
Softwareone Holding AG (A)	4,165	82,672
St. Galler Kantonalbank AG	147	79,692
Stadler Rail AG	702	27,427
Sulzer AG	1,086	93,547
Swiss Prime Site AG	3,767	327,182
Swiss Steel Holding AG (A)	39,436	5,895
Swissquote Group Holding SA	465	96,781
Temenos AG	2,922	232,666
TX Group AG	201	24,060
u-blox Holding AG (A)	431	47,308
Valiant Holding AG	968	100,923
VAT Group AG (C)	226	93,612
Vaudoise Assurances Holding SA	64	31,352
Vetropack Holding AG	822	38,167
Von Roll Holding AG, Bearer Shares (A)	7,878	6,884
Vontobel Holding AG	1,192	75,626
VZ Holding AG	550	50,635
V-ZUG Holding AG (A)	120	9,594
Walliser Kantonalbank	203	25,056
Warteck Invest AG	8	17,827
Ypsomed Holding AG	164	49,503
Zehnder Group AG	615	49,798
Zug Estates Holding AG, B Shares	16	28,525
Zuger Kantonalbank AG, Bearer Shares	9	76,642
		7,686,261
Taiwan - 0.0%		
FIT Hon Teng, Ltd. (A)(C)	49,000	8,733
United Arab Emirates - 0.1%		
Borr Drilling, Ltd. (A)	4,890	35,858
Borr Drilling, Ltd. (New York Stock Exchange) (A)(D)	4,645	34,977
Network International Holdings PLC (A)(C)	4,888	23,857
Shelf Drilling, Ltd. (A)(C)	10,196	18,690
		113,382
United Kingdom - 11.3%		
4imprint Group PLC	1,523	92,833
A.G. Barr PLC	4,718	28,198
abrdn PLC	10,126	28,120
Accesso Technology Group PLC (A)	2,349	22,965
Advanced Medical Solutions Group PLC	2,544	7,293
AJ Bell PLC	11,487	46,843
Alfa Financial Software Holdings PLC (C)	4,048	10,029
Alliance Pharma PLC	24,062	15,211
Anglo-Eastern Plantations PLC	1,225	11,668
Ascential PLC (A)	20,806	58,598
Ashmore Group PLC	22,693	60,061
Aston Martin Lagonda Global Holdings PLC (A)(C)	4,390	19,830
Avon Protection PLC	1,565	16,966
Babcock International Group PLC (A)	23,035	82,745
Bakkavor Group PLC (C)	5,579	6,733
Balfour Beatty PLC	34,581	149,746
Bank of Georgia Group PLC	2,491	92,633
Beazley PLC	5,617	42,112
Begbies Traynor Group PLC	6,626	11,086
Bellway PLC	6,212	157,071
Bloomsbury Publishing PLC	4,265	23,639
Bodycote PLC	7,984	65,123
Boohoo Group PLC (A)	3,748	1,614

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
BRAEMAR PLC	1,328	\$ 3,935
Breedon Group PLC	8,626	35,760
Bridgepoint Group PLC (C)	12,379	31,851
Britvic PLC	13,590	147,914
Brooks Macdonald Group PLC	427	11,742
Bytes Technology Group PLC	11,524	77,403
Capita PLC (A)	91,929	32,098
Capricorn Energy PLC	11,351	26,964
Card Factory PLC (A)	14,688	16,862
Carillion PLC (A)(B)	35,521	4,326
Carr's Group PLC	6,569	12,395
Cazoo Group, Ltd. (A)	225	266
Central Asia Metals PLC	8,189	18,725
CentralNic Group PLC	10,289	15,119
Chemring Group PLC	13,921	50,143
Chesnara PLC	7,709	26,512
City of London Investment Group PLC	2,068	10,607
Clarkson PLC	1,348	50,696
Close Brothers Group PLC	7,281	81,685
CMC Markets PLC (C)	7,009	13,710
Coats Group PLC	80,166	70,926
Cohort PLC	1,758	10,683
Computacenter PLC	3,991	115,819
Concentric AB	1,680	32,068
Costain Group PLC (A)	4,797	2,801
Cranwick PLC	3,483	143,683
Crest Nicholson Holdings PLC	13,693	32,852
Currys PLC	46,489	30,934
CVS Group PLC	2,750	69,088
De La Rue PLC (A)	10,028	6,117
Debenhams PLC (A)(B)	76,182	0
Deliveroo PLC (A)(C)	30,267	44,057
DFS Furniture PLC	12,509	17,176
Dialight PLC (A)	105	294
Diploma PLC	4,725	179,346
Direct Line Insurance Group PLC	26,553	45,910
DiscoverIE Group PLC	5,627	60,171
Domino's Pizza Group PLC	18,477	64,792
dotdigital Group PLC	12,814	13,779
Dr Martens PLC	12,054	18,769
Drax Group PLC	19,800	145,896
Dunelm Group PLC	5,320	75,953
DWF Group PLC (C)	14,677	11,177
easyJet PLC (A)	4,377	26,896
ECORA RESOURCES PLC	12,147	17,728
EKF Diagnostics Holdings PLC	8,242	3,298
Elementis PLC (A)	19,999	25,927
EMIS Group PLC	3,714	64,630
Energiean PLC	5,147	67,069
EnQuest PLC (A)	115,537	21,865
Ergomed PLC (A)	2,357	29,177
Esken, Ltd. (A)	25,251	881
Essentra PLC	14,966	30,855
FDM Group Holdings PLC	4,489	32,012
Fevertree Drinks PLC	4,244	65,635
Firstgroup PLC	37,976	70,362
Forterra PLC (C)	10,957	22,498
Foxtons Group PLC	23,551	11,309
Frasers Group PLC (A)	9,750	87,030
Frontier Developments PLC (A)	1,107	8,287
Fuller Smith & Turner PLC, Class A	1,525	11,578
Funding Circle Holdings PLC (A)(C)	3,849	2,746
Galliford Try Holdings PLC	5,675	14,026
Games Workshop Group PLC	1,582	219,530
Gamma Communications PLC	3,729	54,052

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
GB Group PLC	2,949	\$ 8,600
Gem Diamonds, Ltd. (A)	12,666	2,993
Genel Energy PLC	4,784	6,282
Genuit Group PLC	12,035	44,843
Gooch & Housego PLC	1,681	13,267
Grainger PLC	32,286	93,094
Greggs PLC	5,783	187,862
Gulf Keystone Petroleum, Ltd.	11,237	17,139
Halfords Group PLC	15,547	42,586
Harbour Energy PLC	17,422	50,643
Hargreaves Lansdown PLC	4,319	44,772
Harworth Group PLC	6,530	8,755
Hays PLC	77,290	100,371
Headlam Group PLC	6,602	20,884
Helical PLC	6,424	21,277
Helios Towers PLC (A)	21,114	25,058
Henry Boot PLC	5,301	14,148
Hill & Smith PLC	4,214	80,580
Hilton Food Group PLC	3,867	30,708
Hollywood Bowl Group PLC	8,153	25,823
Howden Joinery Group PLC	10,384	84,841
Hunting PLC	8,331	21,114
Ibstock PLC (C)	19,043	33,866
IDOX PLC	10,437	8,967
IG Group Holdings PLC	4,142	35,637
IMI PLC	1,608	33,543
Impax Asset Management Group PLC	4,165	30,123
Inchcape PLC	19,351	191,508
Indivior PLC (A)	7,200	166,709
IntegraFin Holdings PLC	12,246	36,881
International Distributions Services PLC	7,711	21,675
International Personal Finance PLC	12,526	17,843
iomart Group PLC	2,265	4,976
IP Group PLC	38,897	27,989
IQE PLC (A)	39,142	10,576
ITV PLC	154,019	133,890
J.D. Wetherspoon PLC (A)	4,332	36,953
James Fisher & Sons PLC (A)	2,814	14,321
James Halstead PLC	11,052	29,634
JET2 PLC	6,865	108,642
John Wood Group PLC (A)	34,072	58,701
Johnson Service Group PLC	24,380	31,918
Jupiter Fund Management PLC	22,824	31,256
Just Group PLC	56,562	55,889
Kainos Group PLC	4,099	64,340
Keller Group PLC	4,206	37,331
Kier Group PLC (A)	22,531	21,492
Kin & Carta PLC (A)	5,938	4,756
Kitwave Group PLC	3,226	12,536
Knights Group Holdings PLC	2,269	1,839
Lancashire Holdings, Ltd.	14,953	109,897
Learning Technologies Group PLC	21,193	22,235
Liontrust Asset Management PLC	3,242	29,564
Lookers PLC	22,449	34,170
LSL Property Services PLC	6,404	22,824
Luceco PLC (C)	1,922	3,047
M&C Saatchi PLC	253	489
Macfarlane Group PLC	6,288	8,629
Man Group PLC	60,987	169,366
Marks & Spencer Group PLC (A)	77,175	189,174
Marshalls PLC	3,831	11,740
Marston's PLC (A)	37,566	14,025
McBride PLC (A)	14,770	4,959
ME Group International PLC	18,684	38,884
Mears Group PLC	8,289	30,592

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Metro Bank Holdings PLC (A)	9,741	\$ 14,747
Midwich Group PLC	1,327	7,383
Mitchells & Butlers PLC (A)	16,776	43,582
Mitie Group PLC	94,711	116,077
MJ Gleeson PLC	2,770	13,174
Mobico Group PLC	21,097	26,103
Moneysupermarket.com Group PLC	27,587	94,903
Morgan Advanced Materials PLC	8,676	30,238
Morgan Sindall Group PLC	1,829	42,647
Mortgage Advice Bureau Holdings, Ltd.	1,276	9,570
MP Evans Group PLC	1,384	12,293
N. Brown Group PLC (A)	9,633	2,856
NCC Group PLC	17,294	21,310
Next 15 Group PLC	3,756	32,399
Ninety One PLC	25,181	53,874
NIOX Group PLC (A)	9,034	6,629
Norcros PLC	6,666	14,295
Numis Corp. PLC	2,926	12,327
Odjell Technology, Ltd.	828	3,417
On the Beach Group PLC (A)(C)	5,451	6,660
OSB Group PLC	22,040	134,902
Oxford Instruments PLC	3,076	106,500
Pagegroup PLC	17,115	87,252
Pan African Resources PLC	85,815	13,708
Paragon Banking Group PLC	13,704	92,583
PayPoint PLC	4,705	28,924
Pendragon PLC (A)	102,667	23,042
Pennon Group PLC	11,961	108,074
Petrofac, Ltd. (A)	28,442	28,590
Pets at Home Group PLC	22,046	105,709
Pharos Energy PLC	16,636	4,648
Phoenix Spree Deutschland, Ltd.	5,484	12,930
Polar Capital Holdings PLC	3,830	25,104
Porvair PLC	2,468	19,903
Premier Foods PLC	33,077	53,601
PZ Cussons PLC	13,141	27,051
QinetiQ Group PLC	25,053	112,920
Quilter PLC (C)	54,284	54,699
Rank Group PLC (A)	7,303	8,225
Rathbones Group PLC	3,057	72,340
Reach PLC	25,143	21,260
Redcentric PLC	5,876	9,606
Redde Northgate PLC	14,424	68,678
Redrow PLC	15,193	85,296
Renew Holdings PLC	4,150	39,126
Renewi PLC (A)	5,276	34,505
Renishaw PLC	449	22,280
Ricardo PLC	2,982	21,729
RM PLC (A)	8,752	9,327
Robert Walters PLC	4,693	24,552
Rotork PLC	49,078	190,160
RWS Holdings PLC	1,824	5,451
S&U PLC	513	14,814
Sabre Insurance Group PLC (C)	10,582	18,207
Saga PLC (A)	4,637	7,055
Savannah Energy PLC (A)(B)	53,744	17,925
Savills PLC	5,951	64,322
Senior PLC	21,835	48,822
Serco Group PLC	46,758	92,504
Serica Energy PLC	10,784	28,813
Severfield PLC	11,941	10,318
SIG PLC (A)	64,105	28,279
Smart Metering Systems PLC	5,194	45,476
Soficat PLC	6,218	112,029
Spectris PLC	1,787	81,649

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Speedy Hire PLC	24,369	\$ 11,162
Spire Healthcare Group PLC (C)	13,646	36,831
Spirent Communications PLC	33,589	69,792
SSP Group PLC (A)	32,793	104,650
SThree PLC	8,144	35,384
Stolt-Nielsen, Ltd.	1,985	50,585
Studio Retail Group PLC (A)(B)	8,139	11,887
STV Group PLC	2,712	7,715
Superdry PLC (A)	3,110	3,123
Synthomer PLC (A)	17,828	16,520
Tate & Lyle PLC	17,496	161,489
Tatton Asset Management PLC	1,955	11,062
Telecom Plus PLC	3,652	78,317
The Gym Group PLC (A)(C)	5,959	6,902
The Restaurant Group PLC (A)	30,769	14,883
The Vitec Group PLC	2,842	24,994
THG PLC (A)	6,472	6,697
TI Fluid Systems PLC (C)	1,686	2,926
Topps Tiles PLC	15,591	9,502
TORM PLC, Class A	1,596	38,457
TP ICAP Group PLC	45,423	87,331
Travis Perkins PLC	9,597	99,395
Trifast PLC	7,237	7,216
TT Electronics PLC	14,769	29,590
Tullow Oil PLC (A)	72,437	25,947
Tyman PLC	9,005	29,324
Vanquis Banking Group PLC	13,396	32,377
Verici Dx PLC (A)	165	25
Vertu Motors PLC	13,548	12,321
Vesuvius PLC	12,719	64,437
Victrex PLC	3,473	61,477
Virgin Money UK PLC	57,990	110,425
Vistry Group PLC	14,429	121,174
Volex PLC	6,211	22,347
Volusion Group PLC	9,834	47,264
Vp PLC	637	4,896
Watches of Switzerland Group PLC (A)(C)	10,654	82,784
Watkin Jones PLC	10,502	9,524
WH Smith PLC	5,221	102,943
Wickes Group PLC	13,094	20,427
Wilmington PLC	8,076	28,505
Wincanton PLC	8,498	27,125
Xaar PLC (A)	5,629	12,381
XPS Pensions Group PLC	13,660	30,253
Young & Co's Brewery PLC	1,750	18,066
Young & Co's Brewery PLC, Class A	1,224	18,631
Zotefoams PLC	1,549	6,596
		11,301,569
United States - 0.8%		
ADTRAN Holdings, Inc.	3,066	32,301
Argonaut Gold, Inc. (A)	16,734	6,695
Atlantic Sapphire ASA (A)	1,608	980
Burford Capital, Ltd.	8,414	102,758
Diversified Energy Company PLC	38,586	43,365
Energy Fuels, Inc. (A)	730	4,535
Frontage Holdings Corp. (A)(C)	14,000	3,579
Invesque, Inc. (A)	2,000	1,560
Perpetua Resources Corp. (A)	3,000	10,983
Primo Water Corp.	1,600	20,064
Primo Water Corp. (Toronto Stock Exchange)	6,607	82,790
PureTech Health PLC (A)	16,139	44,559
REC Silicon ASA (A)	16,036	24,000
Reliance Worldwide Corp., Ltd.	36,825	101,253
Samsonite International SA (A)(C)	37,800	106,891

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
SSR Mining, Inc.	8,907	\$ 126,335
SunOpta, Inc. (A)	5,608	37,507
VAALCO Energy, Inc.	3,094	11,635
Viamed Healthcare, Inc. (A)	2,600	25,428
		787,218
TOTAL COMMON STOCKS (Cost \$112,590,075)		\$ 98,361,535
PREFERRED SECURITIES - 0.4%		
Germany - 0.4%		
Draegerwerk AG & Company KGaA	565	26,857
Fuchs Petrolub SE	3,739	147,933
Jungheinrich AG	2,336	85,637
Sixt SE	838	65,542
STO SE & Company KGaA	163	27,345
Villeroy & Boch AG	625	12,185
		365,499
TOTAL PREFERRED SECURITIES (Cost \$331,907)		\$ 365,499
RIGHTS - 0.0%		
Capitaland India Trust (Expiration Date: 7-11-23; Strike Price: SGD 1.06) (A)		
	5,366	317
Clariane SE (Expiration Date: 7-10-23) (A)(E)		
	3,776	1,030
Intercell AG (A)(B)(E)		
	3,233	0
Lenzing AG (Expiration Date: 7-6-23; Strike Price: EUR 31.10) (A)(D)		
	391	2,279
S IMMO AG (Expiration Date: 1-1-26) (A)(E)		
	2,772	0
Sacyr SA (Expiration Date: 7-5-23) (A)(E)		
	23,824	2,134
SIF Holding NV (Expiration Date: 7-5-23; Strike Price: EUR 11.50) (A)		
	504	85
Strabag SE (Expiration Date: 1-1-27) (A)(B)(E)		
	1,144	0
Tess Holdings Company, Ltd. (Expiration Date: 8-25-23; Strike Price: JPY 400.00) (A)		
	1,200	4,283
TOTAL RIGHTS (Cost \$7,235)		\$ 10,128
WARRANTS - 0.0%		
Logan Energy Corp. (Expiration Date: 6-15-28; Strike Price: CAD 11.50) (A)(B)		
	1,796	0
Treasury Metals, Inc. (Expiration Date: 8-7-23; Strike Price: CAD 1.50) (A)		
	650	2
Webuild SpA (Expiration Date: 8-2-30) (A)(E)		
	1,316	858
TOTAL WARRANTS (Cost \$0)		\$ 860
SHORT-TERM INVESTMENTS - 1.4%		
Short-term funds - 1.4%		
John Hancock Collateral Trust, 5.1773% (F)(G)		
	137,438	1,373,669
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,373,801)		\$ 1,373,669
Total Investments (International Small Company Trust) (Cost \$114,303,018) - 100.1%		\$ 100,111,691
Other assets and liabilities, net - (0.1%)		(101,738)
TOTAL NET ASSETS - 100.0%		\$ 100,009,953
Currency Abbreviations		
CAD	Canadian Dollar	
EUR	Euro	
JPY	Japanese Yen	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
 (C) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.

International Small Company Trust (continued)

- (D) All or a portion of this security is on loan as of 6-30-23.
 (E) Strike price and/or expiration date not available.
 (F) The rate shown is the annualized seven-day yield as of 6-30-23.
 (G) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI EAFE Index Futures	3	Long	Sep 2023	\$318,852	\$323,160	\$4,308
						\$4,308

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

Lifestyle Balanced Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 51.0%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	27,741,039	\$ 480,752,206
Fixed income - 49.0%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	39,294,777	462,106,581
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$1,020,432,509)		\$ 942,858,787
Total Investments (Lifestyle Balanced Portfolio) (Cost \$1,020,432,509) - 100.0%		\$ 942,858,787
Other assets and liabilities, net - 0.0%		96
TOTAL NET ASSETS - 100.0%		\$ 942,858,883

Security Abbreviations and Legend

- JHVIT John Hancock Variable Insurance Trust
 MIM US Manulife Investment Management (US) LLC
 (A) The underlying portfolios' subadvisor is shown parenthetically.
 (B) The subadvisor is an affiliate of the advisor.

Lifestyle Conservative Portfolio (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.1773% (C)(D)	5,232	\$ 52,295
TOTAL SHORT-TERM INVESTMENTS (Cost \$52,302)		\$ 52,295
Total Investments (Lifestyle Conservative Portfolio) (Cost \$193,861,825) - 100.0%		\$ 168,521,119
Other assets and liabilities, net - (0.0%)		(17,782)
TOTAL NET ASSETS - 100.0%		\$ 168,503,337

Security Abbreviations and Legend

- JHVIT John Hancock Variable Insurance Trust
 MIM US Manulife Investment Management (US) LLC
 (A) The underlying portfolios' subadvisor is shown parenthetically.
 (B) The subadvisor is an affiliate of the advisor.
 (C) The rate shown is the annualized seven-day yield as of 6-30-23.
 (D) Investment is an affiliate of the fund, the advisor and/or subadvisor.

Lifestyle Conservative Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 20.0%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	1,944,245	\$ 33,693,765
Fixed income - 80.0%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	11,460,464	134,775,059
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$193,809,523)		\$ 168,468,824

Lifestyle Growth Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 71.4%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	211,200,252	\$ 3,660,100,375
Fixed income - 28.6%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	124,736,243	1,466,898,220
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$5,368,370,828)		\$ 5,126,998,595

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Lifestyle Growth Portfolio (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.1773% (C)(D)	1	\$ 11
TOTAL SHORT-TERM INVESTMENTS (Cost \$11)		\$ 11
Total Investments (Lifestyle Growth Portfolio) (Cost \$5,368,370,839) - 100.0%		
		\$ 5,126,998,606
Other assets and liabilities, net - 0.0%		
		102,268
TOTAL NET ASSETS - 100.0%		
		\$ 5,127,100,874

Security Abbreviations and Legend

JHVIT	John Hancock Variable Insurance Trust
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying portfolios' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

Lifestyle Moderate Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 40.5%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	6,704,710	\$ 116,192,624
Fixed income - 59.5%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	14,489,338	170,394,616
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$319,218,841)		\$ 286,587,240
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.1773% (C)(D)	3,823	38,210
TOTAL SHORT-TERM INVESTMENTS (Cost \$38,220)		\$ 38,210
Total Investments (Lifestyle Moderate Portfolio) (Cost \$319,257,061) - 100.0%		
		\$ 286,625,450
Other assets and liabilities, net - (0.0%)		
		(15,381)
TOTAL NET ASSETS - 100.0%		
		\$ 286,610,069

Security Abbreviations and Legend

JHVIT	John Hancock Variable Insurance Trust
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying portfolios' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

Mid Cap Growth Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 97.1%		
Communication services - 7.2%		
Entertainment - 6.1%		
Liberty Media Corp.-Liberty Formula One, Series C (A)	125,154	\$ 9,421,593
Live Nation Entertainment, Inc. (A)	90,232	8,221,038

Mid Cap Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Entertainment (continued)		
Spotify Technology SA (A)	122,512	\$ 19,669,302
		37,311,933
Interactive media and services - 1.1%		
ZoomInfo Technologies, Inc. (A)	256,079	6,501,846
		43,813,779
Consumer discretionary - 14.9%		
Automobile components - 0.7%		
Mobileye Global, Inc., Class A (A)	105,078	4,037,097
Automobiles - 0.8%		
Rivian Automotive, Inc., Class A (A)	296,240	4,935,358
Broadline retail - 1.0%		
Global-e Online, Ltd. (A)	151,877	6,217,844
Hotels, restaurants and leisure - 5.7%		
Aramark	164,177	7,067,820
Chipotle Mexican Grill, Inc. (A)	4,440	9,497,160
DraftKings, Inc., Class A (A)	304,338	8,086,261
Las Vegas Sands Corp. (A)	177,126	10,273,308
		34,924,549
Household durables - 1.2%		
Lennar Corp., A Shares	58,018	7,270,236
Specialty retail - 3.1%		
Burlington Stores, Inc. (A)	29,184	4,593,270
Ross Stores, Inc.	126,914	14,230,867
		18,824,137
Textiles, apparel and luxury goods - 2.4%		
Deckers Outdoor Corp. (A)	27,782	14,659,450
		90,868,671
Consumer staples - 5.2%		
Beverages - 2.3%		
Celsius Holdings, Inc. (A)	93,010	13,876,162
Food products - 1.9%		
Lamb Weston Holdings, Inc.	101,572	11,675,701
Personal care products - 1.0%		
e.l.f. Beauty, Inc. (A)	53,523	6,113,932
		31,665,795
Energy - 4.2%		
Oil, gas and consumable fuels - 4.2%		
Cheniere Energy, Inc.	50,776	7,736,231
Diamondback Energy, Inc.	43,359	5,695,638
Pioneer Natural Resources Company	25,697	5,323,904
Targa Resources Corp.	88,788	6,756,767
		25,512,540
Financials - 6.2%		
Capital markets - 3.6%		
Ares Management Corp., Class A	106,609	10,271,777
Tradeweb Markets, Inc., Class A	172,714	11,827,455
		22,099,232
Financial services - 2.6%		
Block, Inc. (A)	235,237	15,659,727
		37,758,959
Health care - 25.4%		
Biotechnology - 3.6%		
Exact Sciences Corp. (A)	186,470	17,509,533
United Therapeutics Corp. (A)	21,348	4,712,571
		22,222,104
Health care equipment and supplies - 14.5%		
Align Technology, Inc. (A)	59,839	21,161,464
DexCom, Inc. (A)	170,074	21,856,213
Hologic, Inc. (A)	70,420	5,701,907

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Cap Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Inspire Medical Systems, Inc. (A)	40,571	\$ 13,170,969
Insulet Corp. (A)	50,663	14,608,169
Shockwave Medical, Inc. (A)	40,357	11,518,291
		88,017,013
Health care providers and services – 1.3%		
agilon health, Inc. (A)	458,729	7,954,361
Health care technology – 3.4%		
Veeva Systems, Inc., Class A (A)	104,869	20,735,747
Life sciences tools and services – 1.8%		
Agilent Technologies, Inc.	48,829	5,871,687
Medpace Holdings, Inc. (A)	22,055	5,296,949
		11,168,636
Pharmaceuticals – 0.8%		
Jazz Pharmaceuticals PLC (A)	37,171	4,608,089
		154,705,950
Industrials – 16.9%		
Aerospace and defense – 1.3%		
Axon Enterprise, Inc. (A)	39,420	7,691,630
Building products – 2.7%		
Builders FirstSource, Inc. (A)	48,871	6,646,456
Johnson Controls International PLC	145,214	9,894,882
		16,541,338
Commercial services and supplies – 2.1%		
Copart, Inc. (A)	143,353	13,075,227
Construction and engineering – 2.7%		
Fluor Corp. (A)	308,966	9,145,394
MasTec, Inc. (A)	61,518	7,257,278
		16,402,672
Machinery – 1.4%		
The Toro Company	87,378	8,881,974
Professional services – 6.7%		
CoStar Group, Inc. (A)	163,211	14,525,779
EXL Service Holdings, Inc. (A)	59,014	8,914,655
Paycom Software, Inc.	53,228	17,098,963
		40,539,397
		103,132,238
Information technology – 15.7%		
Electronic equipment, instruments and components – 2.8%		
Flex, Ltd. (A)	614,748	16,991,635
IT services – 3.1%		
Gartner, Inc. (A)	16,310	5,713,556
MongoDB, Inc. (A)	10,910	4,483,901
Okta, Inc. (A)	127,963	8,874,234
		19,071,691
Semiconductors and semiconductor equipment – 4.8%		
First Solar, Inc. (A)	21,676	4,120,391
MKS Instruments, Inc.	62,444	6,750,196
SolarEdge Technologies, Inc. (A)	38,806	10,440,754
Universal Display Corp.	53,793	7,753,185
		29,064,526
Software – 5.0%		
DocuSign, Inc. (A)	219,403	11,209,299
Workday, Inc., Class A (A)	84,780	19,150,954
		30,360,253
		95,488,105
Materials – 1.4%		
Chemicals – 1.4%		
Albemarle Corp.	36,877	8,226,890
TOTAL COMMON STOCKS (Cost \$572,415,653)		\$ 591,172,927

Mid Cap Growth Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES – 0.6%		
Information technology – 0.6%		
Software – 0.6%		
Essence Group Holdings Corp. (A)(B)(C)	1,663,188	\$ 1,945,930
Lookout, Inc., Series F (A)(B)(C)	211,003	1,675,364
		3,621,294
TOTAL PREFERRED SECURITIES (Cost \$5,070,285)		\$ 3,621,294
EXCHANGE-TRADED FUNDS – 0.8%		
iShares Russell Mid-Cap Growth ETF (D)	48,347	4,671,771
TOTAL EXCHANGE-TRADED FUNDS (Cost \$4,618,478)		\$ 4,671,771
SHORT-TERM INVESTMENTS – 4.8%		
Short-term funds – 3.2%		
John Hancock Collateral Trust, 5.1773% (E)(F)	1,916,099	19,151,025
Repurchase agreement – 1.6%		
Deutsche Bank Tri-Party Repurchase Agreement dated 6-30-23 at 5.050% to be repurchased at \$9,704,082 on 7-3-23, collateralized by \$10,290,782 Federal National Mortgage Association, 3.500% - 5.000% due 3-1-46 to 2-1-53 (valued at \$9,894,000)	\$ 9,700,000	9,700,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$28,851,630)		\$ 28,851,025
Total Investments (Mid Cap Growth Trust) (Cost \$610,956,046) – 103.3%		\$ 628,317,017
Other assets and liabilities, net – (3.3%)		(19,831,055)
TOTAL NET ASSETS – 100.0%		\$ 608,485,962

Security Abbreviations and Legend

- (A) Non-income producing security.
- (B) Restricted security as to resale. For more information on this security refer to the Notes to financial statements.
- (C) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
- (D) All or a portion of this security is on loan as of 6-30-23.
- (E) The rate shown is the annualized seven-day yield as of 6-30-23.
- (F) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Mid Cap Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.2%		
Communication services – 2.0%		
Diversified telecommunication services – 0.5%		
Frontier Communications Parent, Inc. (A)	110,911	\$ 2,067,381
Iridium Communications, Inc.	62,553	3,885,792
		5,953,173
Entertainment – 0.2%		
World Wrestling Entertainment, Inc., Class A (B)	21,560	2,338,613
Interactive media and services – 0.5%		
TripAdvisor, Inc. (A)	52,673	868,578
Ziff Davis, Inc. (A)	23,488	1,645,569
ZoomInfo Technologies, Inc. (A)	133,905	3,399,848
		5,913,995
Media – 0.8%		
Cable One, Inc.	2,342	1,538,881

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
Nexstar Media Group, Inc.	17,812	\$ 2,966,589
TEGNA, Inc.	111,783	1,815,356
The New York Times Company, Class A	81,395	3,205,335
		9,526,161
		23,731,942
Consumer discretionary – 14.4%		
Automobile components – 1.6%		
Adient PLC (A)	47,044	1,802,726
Autoliv, Inc.	38,373	3,263,240
Fox Factory Holding Corp. (A)	21,014	2,280,229
Gentex Corp.	116,093	3,396,881
Lear Corp.	29,320	4,208,886
The Goodyear Tire & Rubber Company (A)	140,794	1,926,062
Visteon Corp. (A)	14,082	2,022,316
		18,900,340
Automobiles – 0.4%		
Harley-Davidson, Inc.	64,986	2,288,157
Thor Industries, Inc.	26,586	2,751,651
		5,039,808
Broadline retail – 0.5%		
Kohl's Corp.	55,013	1,268,050
Macy's, Inc.	135,279	2,171,228
Nordstrom, Inc. (B)	56,131	1,149,002
Ollie's Bargain Outlet Holdings, Inc. (A)	28,595	1,656,508
		6,244,788
Diversified consumer services – 0.9%		
Graham Holdings Company, Class B	1,877	1,072,668
Grand Canyon Education, Inc. (A)	15,263	1,575,294
H&R Block, Inc.	75,647	2,410,870
Service Corp. International	75,094	4,850,321
		9,909,153
Hotels, restaurants and leisure – 3.4%		
Aramark	129,458	5,573,167
Boyd Gaming Corp.	38,141	2,645,841
Choice Hotels International, Inc. (B)	13,172	1,547,973
Churchill Downs, Inc.	32,728	4,554,756
Hilton Grand Vacations, Inc. (A)	38,185	1,735,126
Light & Wonder, Inc. (A)	45,263	3,112,284
Marriott Vacations Worldwide Corp.	18,285	2,243,935
Papa John's International, Inc.	14,762	1,089,878
Penn Entertainment, Inc. (A)	76,557	1,839,665
Planet Fitness, Inc., Class A (A)	42,203	2,846,170
Texas Roadhouse, Inc.	33,283	3,737,015
The Wendy's Company	83,747	1,821,497
Travel + Leisure Company	37,903	1,529,007
Wingstop, Inc.	14,887	2,979,782
Wyndham Hotels & Resorts, Inc.	42,653	2,924,716
		40,180,812
Household durables – 1.7%		
Helen of Troy, Ltd. (A)	11,941	1,289,867
KB Home	39,878	2,062,091
Leggett & Platt, Inc.	66,124	1,958,593
Taylor Morrison Home Corp. (A)	54,202	2,643,432
Tempur Sealy International, Inc.	85,476	3,425,023
Toll Brothers, Inc.	51,157	4,044,984
TopBuild Corp. (A)	15,771	4,195,401
		19,619,391
Leisure products – 1.1%		
Brunswick Corp.	35,127	3,043,403
Mattel, Inc. (A)	175,830	3,435,718
Polaris, Inc.	26,573	3,213,473

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Leisure products (continued)		
Topgolf Callaway Brands Corp. (A)	69,149	\$ 1,372,608
YETI Holdings, Inc. (A)	43,043	1,671,790
		12,736,992
Specialty retail – 2.9%		
AutoNation, Inc. (A)	15,633	2,573,348
Dick's Sporting Goods, Inc.	30,546	4,037,876
Five Below, Inc. (A)	27,651	5,434,528
Foot Locker, Inc.	39,450	1,069,490
GameStop Corp., Class A (A)(B)	125,637	3,046,697
Lithia Motors, Inc.	13,675	4,158,704
Murphy USA, Inc.	9,955	3,097,100
RH (A)(B)	8,870	2,923,463
The Gap, Inc. (B)	105,978	946,384
Valvoline, Inc.	82,366	3,089,549
Williams-Sonoma, Inc.	32,618	4,081,817
		34,458,956
Textiles, apparel and luxury goods – 1.9%		
Capri Holdings, Ltd. (A)	62,447	2,241,223
Carter's, Inc.	18,722	1,359,217
Columbia Sportswear Company	17,567	1,356,875
Crocs, Inc. (A)	30,811	3,464,389
Deckers Outdoor Corp. (A)	13,094	6,909,180
PVH Corp.	31,190	2,650,214
Skechers USA, Inc., Class A (A)	66,700	3,512,422
Under Armour, Inc., Class A (A)	93,740	676,803
Under Armour, Inc., Class C (A)	94,169	631,874
		22,802,197
		169,892,437
Consumer staples – 4.2%		
Beverages – 0.5%		
Celsius Holdings, Inc. (A)	20,217	3,016,174
Coca-Cola Consolidated, Inc.	2,287	1,454,578
The Boston Beer Company, Inc., Class A (A)	4,663	1,438,256
		5,909,008
Consumer staples distribution and retail – 1.9%		
BJ's Wholesale Club Holdings, Inc. (A)	66,758	4,206,422
Casey's General Stores, Inc.	18,510	4,514,219
Grocery Outlet Holding Corp. (A)	44,430	1,360,002
Performance Food Group Company (A)	77,566	4,672,576
Sprouts Farmers Market, Inc. (A)	51,189	1,880,172
U.S. Foods Holding Corp. (A)	112,579	4,953,476
		21,586,867
Food products – 1.3%		
Darling Ingredients, Inc. (A)	79,264	5,056,251
Flowers Foods, Inc.	95,756	2,382,409
Ingredion, Inc.	32,794	3,474,524
Lancaster Colony Corp.	9,844	1,979,530
Pilgrim's Pride Corp. (A)	22,343	480,151
Post Holdings, Inc. (A)	26,597	2,304,630
		15,677,495
Household products – 0.1%		
Energizer Holdings, Inc.	33,021	1,108,845
Personal care products – 0.4%		
BellRing Brands, Inc. (A)	65,970	2,414,502
Coty, Inc., Class A (A)	182,161	2,238,759
		4,653,261
		48,935,476
Energy – 4.0%		
Energy equipment and services – 0.7%		
ChampionX Corp.	98,344	3,052,598

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
NOV, Inc.	195,584	\$ 3,137,167
Valaris, Ltd. (A)	29,877	1,880,160
		8,069,925
Oil, gas and consumable fuels – 3.3%		
Antero Midstream Corp.	166,789	1,934,752
Antero Resources Corp. (A)	137,166	3,158,933
Chord Energy Corp.	20,640	3,174,432
CNX Resources Corp. (A)	82,250	1,457,470
DT Midstream, Inc.	48,131	2,385,854
Equitrans Midstream Corp.	215,185	2,057,169
HF Sinclair Corp.	64,005	2,855,263
Matador Resources Company	56,245	2,942,738
Murphy Oil Corp.	72,890	2,791,687
Ovintiv, Inc.	121,468	4,624,287
PBF Energy, Inc., Class A	54,496	2,231,066
PDC Energy, Inc.	43,444	3,090,606
Range Resources Corp.	119,860	3,523,884
Southwestern Energy Company (A)	547,057	3,287,813
		39,515,954
		47,585,879
Financials – 13.0%		
Banks – 5.0%		
Associated Banc-Corp.	74,956	1,216,536
Bank OZK (B)	53,547	2,150,448
Cadence Bank	90,757	1,782,467
Cathay General Bancorp	36,033	1,159,902
Columbia Banking System, Inc.	103,552	2,100,035
Commerce Bancshares, Inc.	56,378	2,745,609
Cullen/Frost Bankers, Inc.	31,990	3,439,885
East West Bancorp, Inc.	70,271	3,709,606
First Financial Bankshares, Inc.	64,521	1,838,203
First Horizon Corp.	267,160	3,010,893
FNB Corp.	179,362	2,051,901
Glacier Bancorp, Inc.	55,075	1,716,688
Hancock Whitney Corp.	42,759	1,641,090
Home BancShares, Inc.	93,689	2,136,109
International Bancshares Corp.	26,227	1,159,233
New York Community Bancorp, Inc. (B)	358,719	4,032,002
Old National Bancorp	145,349	2,026,165
Pinnacle Financial Partners, Inc.	38,122	2,159,611
Prosperity Bancshares, Inc.	46,834	2,645,184
SouthState Corp. (B)	37,715	2,481,647
Synovus Financial Corp.	72,584	2,195,666
Texas Capital Bancshares, Inc. (A)	23,780	1,224,670
UMB Financial Corp.	21,687	1,320,738
United Bankshares, Inc.	66,856	1,983,618
Valley National Bancorp	209,400	1,622,850
Webster Financial Corp.	86,805	3,276,889
Wintrust Financial Corp.	30,398	2,207,503
		59,035,148
Capital markets – 1.8%		
Affiliated Managers Group, Inc.	17,934	2,688,127
Evercore, Inc., Class A	17,525	2,165,915
Federated Hermes, Inc.	42,241	1,514,340
Interactive Brokers Group, Inc., Class A	51,162	4,250,027
Janus Henderson Group PLC	65,834	1,793,977
Jefferies Financial Group, Inc.	92,756	3,076,717
SEI Investments Company	50,327	3,000,496
Stifel Financial Corp.	52,721	3,145,862
		21,635,461
Consumer finance – 0.3%		
FirstCash Holdings, Inc.	18,295	1,707,472

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer finance (continued)		
SLM Corp.	120,403	\$ 1,964,977
		3,672,449
Financial services – 1.5%		
Essent Group, Ltd.	53,281	2,493,551
Euronet Worldwide, Inc. (A)	23,420	2,748,805
MGIC Investment Corp.	142,379	2,248,164
The Western Union Company	186,018	2,181,991
Voya Financial, Inc.	48,816	3,500,595
WEX, Inc. (A)	21,281	3,874,632
		17,047,738
Insurance – 3.7%		
American Financial Group, Inc.	34,697	4,120,269
BrightHouse Financial, Inc. (A)	33,214	1,572,683
CNO Financial Group, Inc.	56,906	1,346,965
First American Financial Corp.	51,273	2,923,586
Kemper Corp.	31,788	1,534,089
Kinsale Capital Group, Inc.	10,812	4,045,850
Old Republic International Corp.	135,255	3,404,368
Primerica, Inc.	17,995	3,558,691
Reinsurance Group of America, Inc.	33,055	4,584,398
RenaissanceRe Holdings, Ltd.	24,953	4,654,234
RLI Corp.	20,140	2,748,506
Selective Insurance Group, Inc.	30,050	2,883,298
The Hanover Insurance Group, Inc.	17,747	2,005,943
Unum Group	92,021	4,389,402
		43,772,282
Mortgage real estate investment trusts – 0.7%		
Annaly Capital Management, Inc.	245,337	4,909,196
Starwood Property Trust, Inc.	155,032	3,007,621
		7,916,817
		153,079,895
Health care – 9.1%		
Biotechnology – 1.4%		
Arrowhead Pharmaceuticals, Inc. (A)	53,103	1,893,653
Exelixis, Inc. (A)	161,761	3,091,253
Halozyne Therapeutics, Inc. (A)	65,412	2,359,411
Neurocrine Biosciences, Inc. (A)	48,471	4,570,815
United Therapeutics Corp. (A)	23,271	5,137,073
		17,052,205
Health care equipment and supplies – 3.5%		
Enovis Corp. (A)	23,823	1,527,531
Envista Holdings Corp. (A)	81,320	2,751,869
Globus Medical, Inc., Class A (A)	39,693	2,363,321
Haemonetics Corp. (A)	25,060	2,133,608
ICU Medical, Inc. (A)	10,041	1,789,206
Inari Medical, Inc. (A)	25,560	1,486,058
Integra LifeSciences Holdings Corp. (A)	35,397	1,455,879
Lantheus Holdings, Inc. (A)	33,945	2,848,664
LivaNova PLC (A)	26,709	1,373,644
Masimo Corp. (A)	24,121	3,969,111
Neogen Corp. (A)	107,409	2,336,146
Omniceil, Inc. (A)	22,394	1,649,766
Penumbra, Inc. (A)	19,002	6,537,828
QuidelOrtho Corp. (A)	26,811	2,221,559
Shockwave Medical, Inc. (A)	18,194	5,192,750
STAAR Surgical Company (A)	24,010	1,262,206
		40,899,146
Health care providers and services – 2.2%		
Acadia Healthcare Company, Inc. (A)	45,719	3,641,061
Amedisys, Inc. (A)	16,187	1,480,139
Chemed Corp.	7,461	4,041,400
Encompass Health Corp.	49,793	3,371,484

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
HealthEquity, Inc. (A)	42,458	\$ 2,680,798
Option Care Health, Inc. (A)	82,154	2,669,183
Patterson Companies, Inc.	43,198	1,436,765
Progyny, Inc. (A)	37,987	1,494,409
R1 RCM, Inc. (A)(B)	68,556	1,264,858
Tenet Healthcare Corp. (A)	50,637	4,120,839
		26,200,936
Health care technology – 0.2%		
Doximity, Inc., Class A (A)	58,967	2,006,057
Life sciences tools and services – 1.3%		
Azenta, Inc. (A)	32,372	1,511,125
Bruker Corp.	49,563	3,663,697
Medpace Holdings, Inc. (A)	12,272	2,947,366
Repligen Corp. (A)(B)	25,723	3,638,776
Sotera Health Company (A)	49,120	925,421
Syneos Health, Inc. (A)	51,493	2,169,915
		14,856,300
Pharmaceuticals – 0.5%		
Jazz Pharmaceuticals PLC (A)	31,795	3,941,626
Perrigo Company PLC	67,224	2,282,255
		6,223,881
		107,238,525
Industrials – 22.1%		
Aerospace and defense – 1.2%		
BWX Technologies, Inc.	45,427	3,251,210
Curtiss-Wright Corp.	19,047	3,498,172
Hexcel Corp.	41,912	3,186,150
Mercury Systems, Inc. (A)	28,906	999,859
Woodward, Inc.	29,823	3,546,253
		14,481,644
Air freight and logistics – 0.3%		
GXO Logistics, Inc. (A)	59,078	3,711,280
Building products – 3.7%		
Advanced Drainage Systems, Inc.	31,072	3,535,372
Builders FirstSource, Inc. (A)	63,668	8,658,848
Carlisle Companies, Inc.	25,319	6,495,083
Fortune Brands Innovations, Inc.	62,944	4,528,821
Lennox International, Inc.	16,048	5,232,771
Owens Corning	44,762	5,841,441
Simpson Manufacturing Company, Inc.	21,196	2,935,646
Trex Company, Inc. (A)	54,049	3,543,452
UFP Industries, Inc.	30,846	2,993,604
		43,765,038
Commercial services and supplies – 1.3%		
Clean Harbors, Inc. (A)	24,995	4,109,928
MSA Safety, Inc.	18,336	3,189,731
Stericycle, Inc. (A)	45,922	2,132,618
Tetra Tech, Inc.	26,442	4,329,613
The Brink's Company	23,062	1,564,295
		15,326,185
Construction and engineering – 1.8%		
AECOM	69,048	5,847,675
EMCOR Group, Inc.	23,619	4,364,319
Fluor Corp. (A)	71,153	2,106,129
MasTec, Inc. (A)	30,164	3,558,447
MDU Resources Group, Inc.	101,158	2,118,249
Valmont Industries, Inc.	10,460	3,044,383
		21,039,202
Electrical equipment – 2.2%		
Acuity Brands, Inc.	15,796	2,576,012
EnerSys	20,293	2,202,196

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Hubbell, Inc.	26,621	\$ 8,826,459
nVent Electric PLC	82,296	4,252,234
Regal Rexnord Corp.	32,924	5,067,004
Sunrun, Inc. (A)(B)	107,106	1,912,913
Vicor Corp. (A)	11,130	601,020
		25,437,838
Ground transportation – 2.0%		
Avis Budget Group, Inc. (A)	11,851	2,709,968
Hertz Global Holdings, Inc. (A)	78,298	1,439,900
Knight-Swift Transportation Holdings, Inc.	79,992	4,444,356
Landstar System, Inc.	17,850	3,436,839
Ryder System, Inc.	23,095	1,958,225
Saia, Inc. (A)	13,180	4,512,964
Werner Enterprises, Inc.	29,279	1,293,546
XPO, Inc. (A)	57,552	3,395,568
		23,191,366
Machinery – 4.7%		
AGCO Corp.	30,867	4,056,541
Chart Industries, Inc. (A)	21,225	3,391,543
Crane Company	23,954	2,134,780
Crane NXT Company	23,954	1,351,964
Donaldson Company, Inc.	60,244	3,765,852
Esab Corp.	25,727	1,711,875
Flowserve Corp.	65,149	2,420,285
Graco, Inc.	83,624	7,220,932
ITT, Inc.	40,933	3,815,365
Lincoln Electric Holdings, Inc.	28,600	5,680,818
Oshkosh Corp.	32,445	2,809,413
Terex Corp.	33,680	2,015,074
The Middleby Corp. (A)	26,584	3,929,913
The Timken Company	32,726	2,995,411
The Toro Company	51,804	5,265,877
Watts Water Technologies, Inc., Class A	13,615	2,501,484
		55,067,127
Marine transportation – 0.2%		
Kirby Corp. (A)	29,805	2,293,495
Passenger airlines – 0.1%		
JetBlue Airways Corp. (A)	162,885	1,443,161
Professional services – 3.1%		
ASGN, Inc. (A)	24,490	1,852,179
CACI International, Inc., Class A (A)	11,322	3,858,990
Concentrix Corp.	21,207	1,712,465
EXL Service Holdings, Inc. (A)	16,516	2,494,907
Exponent, Inc.	25,253	2,356,610
FTI Consulting, Inc. (A)	16,880	3,210,576
Genpact, Ltd.	84,159	3,161,854
Insperty, Inc.	17,844	2,122,722
KBR, Inc.	67,420	4,386,345
ManpowerGroup, Inc.	25,049	1,988,891
Maximus, Inc.	30,195	2,551,779
Paylocity Holding Corp. (A)	20,517	3,786,002
Science Applications International Corp.	26,821	3,016,826
		36,500,146
Trading companies and distributors – 1.5%		
GATX Corp.	17,535	2,257,456
MSC Industrial Direct Company, Inc., Class A	23,476	2,236,793
Univar Solutions, Inc. (A)	78,360	2,808,422
Watsco, Inc. (B)	16,603	6,333,546
WESCO International, Inc.	22,413	4,013,272
		17,649,489
		259,905,971

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Information technology – 10.0%		
Communications equipment – 0.6%		
Calix, Inc. (A)	28,629	\$ 1,428,873
Ciena Corp. (A)	74,096	3,148,339
Lumentum Holdings, Inc. (A)	34,127	1,936,025
		6,513,237
Electronic equipment, instruments and components – 3.6%		
Arrow Electronics, Inc. (A)	28,061	4,019,177
Avnet, Inc.	45,403	2,290,581
Belden, Inc.	21,137	2,021,754
Cognex Corp.	85,740	4,803,155
Coherent Corp. (A)	69,236	3,529,651
IPG Photonics Corp. (A)	15,510	2,106,568
Jabil, Inc.	65,911	7,113,774
Littelfuse, Inc.	12,335	3,593,309
National Instruments Corp.	65,322	3,749,483
Novanta, Inc. (A)	17,787	3,274,587
TD SYNNEX Corp.	20,624	1,938,656
Vishay Intertechnology, Inc.	63,378	1,863,313
Vontier Corp.	77,304	2,489,962
		42,793,970
IT services – 0.1%		
Kyndryl Holdings, Inc. (A)	101,713	1,350,749
Semiconductors and semiconductor equipment – 2.5%		
Allegro MicroSystems, Inc. (A)	32,387	1,461,949
Amkor Technology, Inc.	50,030	1,488,393
Cirrus Logic, Inc. (A)	27,449	2,223,643
Lattice Semiconductor Corp. (A)	68,378	6,569,074
MACOM Technology Solutions Holdings, Inc. (A)	25,705	1,684,449
MKS Instruments, Inc.	28,523	3,083,336
Power Integrations, Inc.	28,489	2,697,054
Silicon Laboratories, Inc. (A)	15,895	2,507,277
Synaptics, Inc. (A)	19,634	1,676,351
Universal Display Corp.	21,632	3,117,820
Wolfspeed, Inc. (A)(B)	61,833	3,437,296
		29,946,642
Software – 2.6%		
ACI Worldwide, Inc. (A)	53,810	1,246,778
Aspen Technology, Inc. (A)	14,501	2,430,513
Blackbaud, Inc. (A)	22,476	1,599,842
CommVault Systems, Inc. (A)	21,844	1,586,311
Dropbox, Inc., Class A (A)	135,098	3,603,064
Dynatrace, Inc. (A)	107,691	5,542,856
Envestnet, Inc. (A)	27,025	1,603,934
Manhattan Associates, Inc. (A)	30,812	6,158,703
NCR Corp. (A)	69,744	1,757,549
Qualys, Inc. (A)	16,679	2,154,426
Teradata Corp. (A)	50,222	2,682,357
		30,366,333
Technology hardware, storage and peripherals – 0.6%		
Super Micro Computer, Inc. (A)	22,684	5,653,987
Xerox Holdings Corp.	56,138	835,895
		6,489,882
		117,460,813
Materials – 7.1%		
Chemicals – 2.3%		
Ashland, Inc.	24,130	2,097,138
Avient Corp.	42,526	1,739,313
Axalta Coating Systems, Ltd. (A)	110,047	3,610,642
Cabot Corp.	27,891	1,865,629
NewMarket Corp.	3,299	1,326,594
Olin Corp.	59,723	3,069,165

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
RPM International, Inc.	64,037	\$ 5,746,040
Sensient Technologies Corp.	20,985	1,492,663
The Chemours Company	74,094	2,733,328
The Scotts Miracle-Gro Company	20,333	1,274,676
Westlake Corp.	17,120	2,045,326
		27,000,514
Construction materials – 0.4%		
Eagle Materials, Inc.	17,909	3,338,596
Knife River Corp. (A)	25,289	1,100,072
		4,438,668
Containers and packaging – 1.9%		
AptarGroup, Inc.	32,548	3,771,011
Berry Global Group, Inc.	59,213	3,809,764
Crown Holdings, Inc.	59,660	5,182,665
Graphic Packaging Holding Company	152,573	3,666,329
Greif, Inc., Class A	12,884	887,579
Silgan Holdings, Inc.	41,624	1,951,749
Sonoco Products Company	48,660	2,871,913
		22,141,010
Metals and mining – 2.3%		
Alcoa Corp.	88,621	3,006,911
Cleveland-Cliffs, Inc. (A)	255,867	4,288,331
Commercial Metals Company	58,178	3,063,653
MP Materials Corp. (A)(B)	45,882	1,049,780
Reliance Steel & Aluminum Company	29,206	7,932,058
Royal Gold, Inc.	32,626	3,744,812
U.S. Steel Corp.	112,492	2,813,425
Worthington Industries, Inc.	15,077	1,047,399
		26,946,369
Paper and forest products – 0.2%		
Louisiana-Pacific Corp.	35,788	2,683,384
		83,209,945
Real estate – 7.1%		
Health care REITs – 1.1%		
Healthcare Realty Trust, Inc.	189,173	3,567,803
Medical Properties Trust, Inc.	297,208	2,752,146
Omega Healthcare Investors, Inc.	116,416	3,572,807
Physicians Realty Trust	118,427	1,656,794
Sabra Health Care REIT, Inc.	114,850	1,351,785
		12,901,335
Hotel and resort REITs – 0.1%		
Park Hotels & Resorts, Inc.	107,115	1,373,214
Industrial REITs – 1.4%		
EastGroup Properties, Inc.	22,061	3,829,790
First Industrial Realty Trust, Inc.	65,692	3,458,027
Rexford Industrial Realty, Inc.	99,823	5,212,757
STAG Industrial, Inc.	89,106	3,197,123
		15,697,697
Office REITs – 0.6%		
Corporate Office Properties Trust	55,892	1,327,435
Cousins Properties, Inc.	75,355	1,718,094
Highwoods Properties, Inc.	52,387	1,252,573
Kilroy Realty Corp.	52,362	1,575,573
Vornado Realty Trust	80,067	1,452,415
		7,326,090
Real estate management and development – 0.3%		
Jones Lang LaSalle, Inc. (A)	23,727	3,696,667
Residential REITs – 0.4%		
Apartment Income REIT Corp.	74,116	2,674,846

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Residential REITs (continued)		
Independence Realty Trust, Inc.	111,429	\$ 2,030,236
		4,705,082
Retail REITs – 1.3%		
Agree Realty Corp.	46,296	3,027,295
Brixmor Property Group, Inc.	149,298	3,284,556
Kite Realty Group Trust	108,952	2,433,988
NNN REIT, Inc.	90,452	3,870,441
Spirit Realty Capital, Inc.	70,190	2,764,082
		15,380,362
Specialized REITs – 1.9%		
CubeSmart	111,609	4,984,458
EPR Properties	37,395	1,750,086
Lamar Advertising Company, Class A	43,459	4,313,306
Life Storage, Inc.	42,269	5,620,086
National Storage Affiliates Trust	40,794	1,420,855
PotlatchDeltic Corp.	39,699	2,098,092
Rayonier, Inc.	73,629	2,311,951
		22,498,834
		83,579,281
Utilities – 3.2%		
Electric utilities – 1.2%		
ALLETE, Inc.	28,472	1,650,522
Hawaiian Electric Industries, Inc.	54,430	1,970,366
IDACORP, Inc.	25,140	2,579,364
OGE Energy Corp.	99,493	3,572,794
PNM Resources, Inc.	42,639	1,923,019
Portland General Electric Company	47,997	2,247,700
		13,943,765
Gas utilities – 1.1%		
National Fuel Gas Company	45,604	2,342,221
New Jersey Resources Corp.	48,167	2,273,482
ONE Gas, Inc.	27,515	2,113,427
Southwest Gas Holdings, Inc.	32,601	2,075,054

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P Mid 400 E-Mini Index Futures	172	Long	Sep 2023	\$44,645,450	\$45,478,520	\$833,070
						\$833,070

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

Mid Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.6%		
Communication services – 4.1%		
Entertainment – 0.5%		
Madison Square Garden Entertainment Corp. (A)	54,381	\$ 1,828,289
Sphere Entertainment Company (A)	56,481	1,547,015
		3,375,304
Media – 3.6%		
DISH Network Corp., Class A (A)	131,793	868,516

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Gas utilities (continued)		
Spire, Inc.	26,128	\$ 1,657,560
UGI Corp.	103,985	2,804,475
		13,266,219
Independent power and renewable electricity producers – 0.2%		
Ormat Technologies, Inc.	26,100	2,100,006
Multi-utilities – 0.3%		
Black Hills Corp.	33,114	1,995,450
NorthWestern Corp.	29,704	1,685,999
		3,681,449
Water utilities – 0.4%		
Essential Utilities, Inc.	119,511	4,769,684
		37,761,123
TOTAL COMMON STOCKS (Cost \$923,724,785)		\$ 1,132,381,287
SHORT-TERM INVESTMENTS – 6.3%		
Short-term funds – 6.3%		
John Hancock Collateral Trust, 5.1773% (C)(D)	7,342,026	73,382,086
TOTAL SHORT-TERM INVESTMENTS (Cost \$73,387,684)		\$ 73,382,086
Total Investments (Mid Cap Index Trust) (Cost \$997,112,469) – 102.5%		\$ 1,205,763,373
Other assets and liabilities, net – (2.5%)		(28,980,778)
TOTAL NET ASSETS – 100.0%		\$ 1,176,782,595

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 6-30-23.
 (C) The rate shown is the annualized seven-day yield as of 6-30-23.
 (D) Investment is an affiliate of the fund, the advisor and/or subadvisor.
 A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$32,329,860.

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
News Corp., Class A	662,548	\$ 12,919,686
News Corp., Class B	56,942	1,122,896
Paramount Global, Class B (B)	167,734	2,668,648
Scholastic Corp.	107,018	4,161,930
		21,741,676
		25,116,980

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer discretionary – 8.0%		
Automobiles – 1.4%		
General Motors Company	216,066	\$ 8,331,505
Diversified consumer services – 1.4%		
Bright Horizons Family Solutions, Inc. (A)	72,967	6,745,799
Strategic Education, Inc.	31,360	2,127,462
		8,873,261
Hotels, restaurants and leisure – 0.9%		
Compass Group PLC	192,597	5,393,315
Specialty retail – 3.0%		
Advance Auto Parts, Inc.	53,600	3,768,080
Bath & Body Works, Inc.	152,660	5,724,750
Best Buy Company, Inc.	58,891	4,826,117
Burlington Stores, Inc. (A)	23,880	3,758,473
		18,077,420
Textiles, apparel and luxury goods – 1.3%		
Ralph Lauren Corp.	64,589	7,963,824
		48,639,325
Consumer staples – 7.2%		
Beverages – 1.8%		
Constellation Brands, Inc., Class A	32,630	8,031,222
Monster Beverage Corp. (A)	54,112	3,108,193
		11,139,415
Consumer staples distribution and retail – 1.7%		
Dollar General Corp.	18,500	3,140,930
Sysco Corp.	98,343	7,297,051
		10,437,981
Food products – 3.2%		
Bunge, Ltd.	41,194	3,886,654
Flowers Foods, Inc.	376,060	9,356,373
Tyson Foods, Inc., Class A	120,278	6,138,989
		19,382,016
Household products – 0.5%		
Kimberly-Clark Corp.	21,749	3,002,667
		43,962,079
Energy – 6.7%		
Energy equipment and services – 4.7%		
Baker Hughes Company	101,500	3,208,415
Expro Group Holdings NV (A)	191,599	3,395,134
SEACOR Marine Holdings, Inc. (A)	129,032	1,474,836
TechnipFMC PLC (A)	667,607	11,095,628
Tidewater, Inc. (A)	170,199	9,435,833
		28,609,846
Oil, gas and consumable fuels – 2.0%		
Cameco Corp.	152,438	4,775,883
Imperial Oil, Ltd.	49,689	2,542,089
Suncor Energy, Inc.	171,459	5,027,178
		12,345,150
		40,954,996
Financials – 14.3%		
Banks – 3.9%		
Fifth Third Bancorp	388,890	10,192,807
Popular, Inc.	123,728	7,488,019
Webster Financial Corp.	161,040	6,079,260
		23,760,086
Capital markets – 1.2%		
Main Street Capital Corp.	93,784	3,754,174
Morningstar, Inc.	1,600	313,712

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Open Lending Corp. (A)	319,913	\$ 3,362,286
		7,430,172
Consumer finance – 0.8%		
OneMain Holdings, Inc.	113,205	4,945,926
Financial services – 4.6%		
Apollo Global Management, Inc.	83,095	6,382,527
Corebridge Financial, Inc. (B)	132,866	2,346,414
FleetCor Technologies, Inc. (A)	36,270	9,106,672
Global Payments, Inc.	71,309	7,025,363
Jackson Financial, Inc., Class A	111,484	3,412,525
		28,273,501
Insurance – 3.8%		
Assurant, Inc.	27,187	3,417,950
CNA Financial Corp.	123,122	4,754,972
Kemper Corp.	114,367	5,519,351
RenaissanceRe Holdings, Ltd.	30,600	5,707,512
The Allstate Corp.	34,700	3,783,688
		23,183,473
		87,593,158
Health care – 11.0%		
Health care equipment and supplies – 4.7%		
Baxter International, Inc.	165,648	7,546,923
Dentsply Sirona, Inc.	147,601	5,906,992
Koninklijke Philips NV, NYRS (A)	283,248	6,143,649
Teleflex, Inc.	12,600	3,049,578
Zimmer Biomet Holdings, Inc.	40,993	5,968,581
		28,615,723
Health care providers and services – 3.9%		
Cardinal Health, Inc.	45,499	4,302,840
Centene Corp. (A)	62,153	4,192,220
Select Medical Holdings Corp.	490,907	15,640,297
		24,135,357
Life sciences tools and services – 1.4%		
Charles River Laboratories International, Inc. (A)	40,141	8,439,645
Pharmaceuticals – 1.0%		
Catalent, Inc. (A)	8,900	385,904
Elanco Animal Health, Inc. (A)	189,240	1,903,754
Viatrix, Inc.	363,151	3,624,247
		5,913,905
		67,104,630
Industrials – 17.8%		
Aerospace and defense – 4.6%		
Huntington Ingalls Industries, Inc.	20,753	4,723,383
L3Harris Technologies, Inc.	14,600	2,858,242
Rolls-Royce Holdings PLC (A)	2,885,387	5,548,603
Spirit AeroSystems Holdings, Inc., Class A	252,732	7,377,247
Textron, Inc.	113,926	7,704,815
		28,212,290
Building products – 1.4%		
Armstrong World Industries, Inc.	15,700	1,153,322
Fortune Brands Innovations, Inc.	48,099	3,460,723
Trane Technologies PLC	21,182	4,051,269
		8,665,314
Electrical equipment – 0.5%		
Rockwell Automation, Inc.	8,801	2,899,489
Ground transportation – 2.2%		
JB Hunt Transport Services, Inc.	40,088	7,257,131

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Ground transportation (continued)		
Norfolk Southern Corp.	27,900	\$ 6,326,604
		13,583,735
Machinery – 5.4%		
Alstom SA (B)	32,551	971,672
Alstom SA, ADR (B)	1,240,785	3,660,316
Esab Corp.	62,294	4,145,043
PACCAR, Inc.	51,636	4,319,351
Stanley Black & Decker, Inc.	151,947	14,238,953
The Middleby Corp. (A)	39,732	5,873,582
		33,208,917
Passenger airlines – 1.6%		
Southwest Airlines Company	261,937	9,484,739
Professional services – 1.4%		
SS&C Technologies Holdings, Inc.	90,968	5,512,661
Verra Mobility Corp. (A)	148,110	2,920,729
		8,433,390
Trading companies and distributors – 0.7%		
Ashtead Group PLC	60,771	4,213,304
		108,701,178
Information technology – 9.3%		
Communications equipment – 0.5%		
Arista Networks, Inc. (A)	19,479	3,156,767
Electronic equipment, instruments and components – 2.6%		
Corning, Inc.	271,725	9,521,244
TE Connectivity, Ltd.	35,500	4,975,680
Zebra Technologies Corp., Class A (A)	4,900	1,449,567
		15,946,491
Semiconductors and semiconductor equipment – 3.2%		
Marvell Technology, Inc.	159,925	9,560,317
MKS Instruments, Inc.	90,886	9,824,777
		19,385,094
Technology hardware, storage and peripherals – 3.0%		
Pure Storage, Inc., Class A (A)	126,000	4,639,320
Western Digital Corp. (A)	363,597	13,791,231
		18,430,551
		56,918,903
Materials – 5.5%		
Chemicals – 0.6%		
The Scotts Miracle-Gro Company	57,547	3,607,621
Construction materials – 1.6%		
Summit Materials, Inc., Class A (A)	130,820	4,951,537
Vulcan Materials Company	21,758	4,905,124
		9,856,661
Containers and packaging – 2.1%		
Ball Corp.	106,506	6,199,714
Westrock Company	217,292	6,316,678
		12,516,392
Metals and mining – 1.2%		
Franco-Nevada Corp.	33,763	4,812,072
Freeport-McMoRan, Inc.	68,012	2,720,480
		7,532,552
		33,513,226
Real estate – 7.0%		
Industrial REITs – 1.1%		
Rexford Industrial Realty, Inc.	131,904	6,888,027
Office REITs – 0.6%		
Douglas Emmett, Inc.	83,623	1,051,141

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Office REITs (continued)		
Vornado Realty Trust	141,167	\$ 2,560,769
		3,611,910
Residential REITs – 1.6%		
Apartment Investment and Management Company, Class A		
	446,352	3,802,919
Equity Residential	87,426	5,767,493
		9,570,412
Retail REITs – 1.1%		
Regency Centers Corp.	83,560	5,161,501
Simon Property Group, Inc.	13,668	1,578,381
		6,739,882
Specialized REITs – 2.6%		
Digital Realty Trust, Inc.	32,874	3,743,362
Rayonier, Inc.	147,327	4,626,068
SBA Communications Corp.	13,764	3,189,945
Weyerhaeuser Company	124,184	4,161,406
		15,720,781
		42,531,012
Utilities – 6.7%		
Electric utilities – 4.7%		
Constellation Energy Corp.	46,068	4,217,525
Evergy, Inc.	93,868	5,483,769
FirstEnergy Corp.	293,872	11,425,743
PG&E Corp. (A)	418,452	7,230,851
		28,357,888
Multi-utilities – 2.0%		
Ameren Corp.	93,038	7,598,413
CenterPoint Energy, Inc.	166,150	4,843,273
		12,441,686
		40,799,574
TOTAL COMMON STOCKS (Cost \$532,937,677)		\$ 595,835,061
SHORT-TERM INVESTMENTS – 3.2%		
Short-term funds – 3.2%		
John Hancock Collateral Trust, 5.1773% (C)(D)		
	496,375	4,961,171
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (C)		
	2,552,295	2,552,295
T. Rowe Price Government Reserve Fund, 5.1068% (C)		
	12,334,882	12,334,882
TOTAL SHORT-TERM INVESTMENTS (Cost \$19,848,508)		\$ 19,848,348
Total Investments (Mid Value Trust) (Cost \$552,786,185) – 100.8%		\$ 615,683,409
Other assets and liabilities, net – (0.8%)		(4,923,020)
TOTAL NET ASSETS – 100.0%		\$ 610,760,389

Security Abbreviations and Legend

ADR	American Depositary Receipt
NYRS	New York Registry Shares
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Real Estate Securities Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.1%		
Consumer discretionary – 3.1%		
Hotels, restaurants and leisure – 2.6%		
Hyatt Hotels Corp., Class A	39,799	\$ 4,560,169
Wynn Resorts, Ltd.	27,701	2,925,503
		7,485,672
Household durables – 0.5%		
Lennar Corp., A Shares	11,897	1,490,813
		8,976,485
Health care – 1.4%		
Health care providers and services – 1.4%		
HCA Healthcare, Inc.	14,018	4,254,183
Industrials – 1.1%		
Construction and engineering – 1.1%		
WillScot Mobile Mini Holdings Corp. (A)	66,758	3,190,365
Real estate – 93.5%		
Diversified REITs – 2.3%		
Empire State Realty Trust, Inc., Class A	886,391	6,639,069
Health care REITs – 10.7%		
CareTrust REIT, Inc.	363,458	7,218,276
Ventas, Inc.	164,549	7,778,231
Welltower, Inc.	198,419	16,050,113
		31,046,620
Hotel and resort REITs – 2.1%		
Ryman Hospitality Properties, Inc.	65,719	6,106,609
Industrial REITs – 17.2%		
EastGroup Properties, Inc.	51,831	8,997,862
Plymouth Industrial REIT, Inc.	239,725	5,518,470
Prologis, Inc.	290,614	35,637,992
		50,154,324
Office REITs – 1.0%		
Corporate Office Properties Trust	116,753	2,772,884
Real estate management and development – 2.2%		
CBRE Group, Inc., Class A (A)	34,097	2,751,969
Corp. Inmobiliaria Vesta SAB de CV, ADR (A)	116,385	3,749,925
		6,501,894
Residential REITs – 18.8%		
American Homes 4 Rent, Class A	250,647	8,885,436
Apartment Income REIT Corp.	93,081	3,359,293
AvalonBay Communities, Inc.	76,165	14,415,750
Independence Realty Trust, Inc.	176,402	3,214,044
Sun Communities, Inc.	56,117	7,321,024
UDR, Inc.	278,782	11,976,475
Veris Residential, Inc. (A)	349,189	5,604,483
		54,776,505
Retail REITs – 13.9%		
Agree Realty Corp.	98,044	6,411,097
Brixmor Property Group, Inc.	459,614	10,111,508
Getty Realty Corp.	189,661	6,414,335
Phillips Edison & Company, Inc.	158,320	5,395,546
Simon Property Group, Inc.	58,425	6,746,919
Tanger Factory Outlet Centers, Inc.	240,274	5,302,847
		40,382,252
Specialized REITs – 25.3%		
American Tower Corp.	20,998	4,072,352
CubeSmart	127,325	5,686,335
EPR Properties	77,690	3,635,892
Equinix, Inc.	32,815	25,724,991
Iron Mountain, Inc.	88,645	5,036,809
Life Storage, Inc.	19,921	2,648,696
Public Storage	55,511	16,202,551

Real Estate Securities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialized REITs (continued)		
VICI Properties, Inc.	340,590	\$ 10,704,744
		73,712,370
		272,092,527
TOTAL COMMON STOCKS (Cost \$277,938,441)		\$ 288,513,560
SHORT-TERM INVESTMENTS – 0.6%		
Short-term funds – 0.6%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (B)	1,682,976	1,682,976
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,682,976)		\$ 1,682,976
Total Investments (Real Estate Securities Trust) (Cost \$279,621,417) – 99.7%		\$ 290,196,536
Other assets and liabilities, net – 0.3%		767,186
TOTAL NET ASSETS – 100.0%		\$ 290,963,722

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	The rate shown is the annualized seven-day yield as of 6-30-23.

Science & Technology Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 92.6%		
Communication services – 12.4%		
Interactive media and services – 11.9%		
Alphabet, Inc., Class A (A)	391,453	\$ 46,856,924
Baidu, Inc., ADR (A)	128,913	17,649,479
Kanzhun, Ltd., ADR (A)	227,666	3,426,373
Match Group, Inc. (A)	100,000	4,185,000
Meta Platforms, Inc., Class A (A)	64,968	18,644,517
Pinterest, Inc., Class A (A)	447,026	12,221,691
		102,983,984
Wireless telecommunication services – 0.5%		
T-Mobile US, Inc. (A)	33,000	4,583,700
		107,567,684
Consumer discretionary – 21.5%		
Automobiles – 0.1%		
Rivian Automotive, Inc., Class A (A)	43,960	732,374
Broadline retail – 12.3%		
Alibaba Group Holding, Ltd., ADR (A)	274,019	22,839,484
Amazon.com, Inc. (A)	346,949	45,228,272
Coupang, Inc. (A)	184,541	3,211,013
D-Market Elektronik Hizmetler ve Ticaret AS, ADR (A)	138,711	233,034
Etsy, Inc. (A)	177,733	15,037,989
JD.com, Inc., ADR	148,937	5,083,220
MercadoLibre, Inc. (A)	5,770	6,835,142
PDD Holdings, Inc., ADR (A)	38,300	2,648,062
Prosus NV (A)	66,475	4,868,238
		105,984,454
Hotels, restaurants and leisure – 4.9%		
Booking Holdings, Inc. (A)	6,195	16,728,544
Deliveroo PLC (A)(B)	2,955,248	4,301,669
Delivery Hero SE (A)(B)	264,122	11,653,079
DoorDash, Inc., Class A (A)	90,287	6,899,733

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Tongcheng Travel Holdings, Ltd. (A)	1,518,000	\$ 3,188,494
		42,771,519
Specialty retail – 4.2%		
Auto1 Group SE (A)(B)	490,222	4,553,842
Warby Parker, Inc., Class A (A)	177,198	2,071,445
Zalando SE (A)(B)	1,030,781	29,726,871
		36,352,158
		185,840,505
Financials – 6.0%		
Financial services – 6.0%		
Mastercard, Inc., Class A	100,109	39,372,870
Visa, Inc., Class A	53,800	12,776,424
		52,149,294
Health care – 0.3%		
Health care technology – 0.3%		
Veeva Systems, Inc., Class A (A)	12,384	2,448,688
Industrials – 0.8%		
Ground transportation – 0.8%		
Uber Technologies, Inc. (A)	158,262	6,832,171
Information technology – 51.1%		
Communications equipment – 0.3%		
Arista Networks, Inc. (A)	18,319	2,968,777
IT services – 3.5%		
Accenture PLC, Class A	99,332	30,651,869
Semiconductors and semiconductor equipment – 17.4%		
Advanced Micro Devices, Inc. (A)	163,743	18,651,965
ASML Holding NV, NYRS	2,867	2,077,858
KLA Corp.	29,187	14,156,279
Lam Research Corp.	21,690	13,943,633
Micron Technology, Inc.	71,927	4,539,313
NVIDIA Corp.	65,501	27,708,233
Qualcomm, Inc.	260,856	31,052,298
Silergy Corp.	371,000	4,621,618
Taiwan Semiconductor Manufacturing Company, Ltd.	363,000	6,705,814
Texas Instruments, Inc.	150,090	27,019,202
		150,476,213
Software – 24.7%		
Adobe, Inc. (A)	19,383	9,478,093
DocuSign, Inc. (A)	281,879	14,401,198
Fortinet, Inc. (A)	197,192	14,905,743
Gen Digital, Inc.	385,858	7,157,666
HubSpot, Inc. (A)	2,987	1,589,353
Intuit, Inc.	34,267	15,700,797
Microsoft Corp.	278,519	94,846,858
Salesforce, Inc. (A)	178,202	37,646,955
TeamViewer SE (A)(B)	217,335	3,493,309
Workday, Inc., Class A (A)	36,242	8,186,705
Zoom Video Communications, Inc., Class A (A)	88,482	6,006,158
		213,412,835
Technology hardware, storage and peripherals – 5.2%		
Pure Storage, Inc., Class A (A)	535,717	19,725,100
Samsung Electronics Company, Ltd.	339,429	18,690,058
Western Digital Corp. (A)	172,999	6,561,852
		44,977,010
		442,486,704

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate – 0.5%		
Real estate management and development – 0.5%		
KE Holdings, Inc., ADR (A)	282,815	\$ 4,199,803
		\$ 801,524,849
SHORT-TERM INVESTMENTS – 6.8%		
Short-term funds – 6.8%		
John Hancock Collateral Trust, 5.1773% (C)(D)	100,898	1,008,461
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (C)	501,658	501,658
T. Rowe Price Government Reserve Fund, 5.1068% (C)	57,703,040	57,703,040
		\$ 59,213,159
TOTAL COMMON STOCKS (Cost \$685,273,909)		
TOTAL SHORT-TERM INVESTMENTS (Cost \$59,213,206)		
Total Investments (Science & Technology Trust) (Cost \$744,487,115) – 99.4%		
Other assets and liabilities, net – 0.6%		
TOTAL NET ASSETS – 100.0%		
		\$ 860,738,008
		4,942,411
		\$ 865,680,419

Security Abbreviations and Legend

ADR	American Depository Receipt
NYRS	New York Registry Shares
(A)	Non-income producing security.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Small Cap Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 95.9%		
Communication services – 2.4%		
Diversified telecommunication services – 0.5%		
Anterix, Inc. (A)	4,100	\$ 129,929
AST SpaceMobile, Inc. (A)	13,440	63,168
ATN International, Inc.	2,410	88,206
Bandwidth, Inc., Class A (A)	5,101	69,782
Cogent Communications Holdings, Inc.	8,819	593,431
Consolidated Communications Holdings, Inc. (A)	17,177	65,788
EchoStar Corp., Class A (A)	7,390	128,143
Globalstar, Inc. (A)	148,142	159,993
IDT Corp., Class B (A)	3,344	86,442
Liberty Latin America, Ltd., Class A (A)	13,798	120,733
Liberty Latin America, Ltd., Class C (A)	24,811	213,871
Lumen Technologies, Inc.	208,953	472,234
Ooma, Inc. (A)	5,519	82,619
Radius Global Infrastructure, Inc., Class A (A)	17,587	262,046
		2,536,385
Entertainment – 0.4%		
Cinemark Holdings, Inc. (A)	22,776	375,804
IMAX Corp. (A)	9,454	160,623
Liberty Media Corp.-Liberty Braves, Class A (A)	2,822	115,476

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Entertainment (continued)		
Liberty Media Corp.-Liberty Braves, Class C (A)	7,259	\$ 287,602
Lions Gate Entertainment Corp., Class A (A)	12,251	108,176
Lions Gate Entertainment Corp., Class B (A)	24,301	202,913
Madison Square Garden Entertainment Corp. (A)	9,031	303,622
Playstudios, Inc. (A)	18,499	90,830
Skillz, Inc. (A)	1	6
Sphere Entertainment Company (A)	5,543	151,823
The Marcus Corp. (B)	5,386	79,874
Vivid Seats, Inc., Class A (A)	5,988	47,425
		1,924,174
Interactive media and services – 0.7%		
Bumble, Inc., Class A (A)	21,183	355,451
CarGurus, Inc. (A)	20,417	462,037
Cars.com, Inc. (A)	13,869	274,884
DHI Group, Inc. (A)	11,588	44,382
Eventbrite, Inc., Class A (A)	16,670	159,199
FuboTV, Inc. (A)(B)	44,272	92,086
Grindr, Inc. (A)	8,841	48,891
MediaAlpha, Inc., Class A (A)	5,830	60,107
Nextdoor Holdings, Inc. (A)	32,007	104,343
Outbrain, Inc. (A)	10,440	51,365
QuinStreet, Inc. (A)	11,293	99,717
Shutterstock, Inc.	5,127	249,531
TrueCar, Inc. (A)	22,528	50,913
Vimeo, Inc. (A)	32,880	135,466
Yelp, Inc. (A)	13,948	507,847
Ziff Davis, Inc. (A)	9,736	682,104
ZipRecruiter, Inc., Class A (A)	14,521	257,893
		3,636,216
Media – 0.7%		
Advantage Solutions, Inc. (A)	20,432	47,811
AMC Networks, Inc., Class A (A)	6,836	81,690
Boston Omaha Corp., Class A (A)	5,051	95,060
Cardlytics, Inc. (A)(B)	7,923	50,073
Clear Channel Outdoor Holdings, Inc. (A)	80,353	110,084
Daily Journal Corp. (A)	274	79,263
Entravision Communications Corp., Class A	14,173	62,219
Gannett Company, Inc. (A)	32,065	72,146
Gray Television, Inc.	17,474	137,695
iHeartMedia, Inc., Class A (A)	23,277	84,728
Integral Ad Science Holding Corp. (A)	7,937	142,707
John Wiley & Sons, Inc., Class A	8,817	300,043
Magnite, Inc. (A)	27,938	381,354
PubMatic, Inc., Class A (A)	9,104	166,421
Quotient Technology, Inc. (A)	20,702	79,496
Scholastic Corp.	5,979	232,523
Sinclair, Inc.	7,528	104,037
Stagwell, Inc. (A)	22,972	165,628
TechTarget, Inc. (A)	5,570	173,394
TEGNA, Inc.	46,025	747,446
The EW Scripps Company, Class A (A)	13,256	121,292
Thryv Holdings, Inc. (A)	6,476	159,310
WideOpenWest, Inc. (A)	11,317	95,515
		3,689,935
Wireless telecommunication services – 0.1%		
Gogo, Inc. (A)	13,912	236,643
Shenandoah Telecommunications Company	10,290	199,935
Spok Holdings, Inc.	4,419	58,729

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Wireless telecommunication services (continued)		
Telephone & Data Systems, Inc.	21,057	\$ 173,299
		668,606
		12,455,316
Consumer discretionary – 10.1%		
Automobile components – 1.4%		
Adient PLC (A)	19,828	759,809
American Axle & Manufacturing Holdings, Inc. (A)	24,206	200,184
Cooper-Standard Holdings, Inc. (A)	3,847	54,858
Dana, Inc.	27,080	460,360
Dorman Products, Inc. (A)	5,449	429,545
Fox Factory Holding Corp. (A)	8,851	960,422
Gentherm, Inc. (A)	6,929	391,558
Holley, Inc. (A)(B)	12,167	49,763
LCI Industries	5,083	642,288
Luminar Technologies, Inc. (A)(B)	56,833	391,011
Modine Manufacturing Company (A)	10,721	354,007
Patrick Industries, Inc.	4,434	354,720
Solid Power, Inc. (A)(B)	35,372	89,845
Standard Motor Products, Inc.	4,262	159,910
Stoneridge, Inc. (A)	5,924	111,667
The Goodyear Tire & Rubber Company (A)	58,268	797,106
Visteon Corp. (A)	5,818	835,523
XPEL, Inc. (A)	4,715	397,097
		7,439,673
Automobiles – 0.1%		
Fisker, Inc. (A)(B)	41,252	232,661
Winnebago Industries, Inc.	6,000	400,140
		632,801
Broadline retail – 0.1%		
Big Lots, Inc.	6,570	58,013
CarParts.com, Inc. (A)	12,235	51,999
ContextLogic, Inc., Class A (A)(B)	5,380	35,400
Dillard's, Inc., Class A (B)	739	241,121
		386,533
Diversified consumer services – 0.9%		
2U, Inc. (A)	17,589	70,884
Adtalem Global Education, Inc. (A)	9,338	320,667
Carriage Services, Inc.	2,856	92,734
Chegg, Inc. (A)	24,759	219,860
Coursera, Inc. (A)	27,246	354,743
Duolingo, Inc. (A)	5,943	849,492
European Wax Center, Inc., Class A (A)	7,294	135,887
frontdoor, Inc. (A)	16,979	541,630
Graham Holdings Company, Class B	736	420,609
Laureate Education, Inc.	27,272	329,718
Lincoln Educational Services Corp. (A)	6,322	42,610
Nerdy, Inc. (A)	13,494	56,270
OneSpaWorld Holdings, Ltd. (A)	15,634	189,171
Perdoceo Education Corp. (A)	14,160	173,743
Rover Group, Inc. (A)	20,264	99,496
Strategic Education, Inc.	4,699	318,780
Stride, Inc. (A)	8,692	323,603
Udemy, Inc. (A)	18,355	196,949
Universal Technical Institute, Inc. (A)	8,207	56,710
WW International, Inc. (A)	11,796	79,269
		4,872,825
Hotels, restaurants and leisure – 2.3%		
Accel Entertainment, Inc. (A)	12,208	128,916
Bally's Corp. (A)	6,359	98,946
BJ's Restaurants, Inc. (A)	4,816	153,149
Bloomin' Brands, Inc.	18,049	485,338

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Bluegreen Vacations Holding Corp.	2,387	\$ 85,097
Bowlero Corp. (A)	6,291	73,227
Brinker International, Inc. (A)	9,044	331,010
Carrols Restaurant Group, Inc. (A)	8,602	43,354
Century Casinos, Inc. (A)	5,989	42,522
Chuy's Holdings, Inc. (A)	3,855	157,361
Cracker Barrel Old Country Store, Inc. (B)	4,518	420,987
Dave & Buster's Entertainment, Inc. (A)	8,954	398,990
Denny's Corp. (A)	11,661	143,664
Dine Brands Global, Inc.	3,167	183,781
El Pollo Loco Holdings, Inc.	6,638	58,215
Everi Holdings, Inc. (A)	17,751	256,679
Fiesta Restaurant Group, Inc. (A)	4,755	37,755
First Watch Restaurant Group, Inc. (A)	3,289	55,584
Full House Resorts, Inc. (A)	8,379	56,139
Global Business Travel Group I (A)	7,168	51,825
Golden Entertainment, Inc. (A)	4,255	177,859
Hilton Grand Vacations, Inc. (A)	16,722	759,848
Inspired Entertainment, Inc. (A)	4,949	72,800
International Game Technology PLC	22,542	718,864
Jack in the Box, Inc.	4,271	416,551
Krispy Kreme, Inc.	18,198	268,057
Kura Sushi USA, Inc., Class A (A)	1,252	116,373
Life Time Group Holdings, Inc. (A)	9,418	185,252
Light & Wonder, Inc. (A)	18,967	1,304,171
Lindblad Expeditions Holdings, Inc. (A)	7,917	86,137
Monarch Casino & Resort, Inc.	2,802	197,401
Mondee Holdings, Inc. (A)	9,804	87,354
Nathan's Famous, Inc.	688	54,036
ONE Group Hospitality, Inc. (A)	5,893	43,137
Papa John's International, Inc.	7,202	531,724
PlayAGS, Inc. (A)	8,644	48,839
Portillo's, Inc., Class A (A)	8,984	202,410
Potbelly Corp. (A)	6,086	53,435
RCI Hospitality Holdings, Inc.	1,804	137,086
Red Robin Gourmet Burgers, Inc. (A)	3,668	50,728
Red Rock Resorts, Inc., Class A	9,751	456,152
Rush Street Interactive, Inc. (A)	16,137	50,347
Sabre Corp. (A)	69,137	220,547
SeaWorld Entertainment, Inc. (A)	8,172	457,714
Shake Shack, Inc., Class A (A)	7,844	609,636
Six Flags Entertainment Corp. (A)	14,930	387,881
Sweetgreen, Inc., Class A (A)	20,438	262,015
Target Hospitality Corp. (A)	6,819	91,511
The Cheesecake Factory, Inc.	9,995	345,627
Xponential Fitness, Inc., Class A (A)	5,298	91,391
		11,747,422
Household durables – 2.1%		
Beazer Homes USA, Inc. (A)	6,081	172,031
Cavco Industries, Inc. (A)	1,815	535,425
Century Communities, Inc.	5,834	447,001
Cricut, Inc., Class A (B)	10,111	123,354
Dream Finders Homes, Inc., Class A (A)(B)	5,157	126,811
Ethan Allen Interiors, Inc.	4,759	134,585
GoPro, Inc., Class A (A)	27,687	114,624
Green Brick Partners, Inc. (A)	5,482	311,378
Hamilton Beach Brands Holding Company, Class B	1,197	11,563
Helen of Troy, Ltd. (A)	4,987	538,696
Hooker Furnishings Corp.	2,614	48,777
Hovnanian Enterprises, Inc., Class A (A)	1,028	101,988
Installed Building Products, Inc.	4,906	687,625
iRobot Corp. (A)	5,801	262,495
KB Home	15,151	783,458

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
La-Z-Boy, Inc.	9,065	\$ 259,622
Legacy Housing Corp. (A)	2,338	54,218
LGI Homes, Inc. (A)	4,300	580,027
M/I Homes, Inc. (A)	5,514	480,766
MDC Holdings, Inc.	11,911	557,077
Meritage Homes Corp.	7,480	1,064,180
Purple Innovation, Inc. (B)	15,365	42,715
Skyline Champion Corp. (A)	11,110	727,150
Sonos, Inc. (A)	26,522	433,104
Taylor Morrison Home Corp. (A)	21,534	1,050,213
The Lovesac Company (A)	3,196	86,132
Tri Pointe Homes, Inc. (A)	20,328	667,978
Vizio Holding Corp., Class A (A)	16,473	111,193
VOXX International Corp. (A)	3,644	45,477
Vuzix Corp. (A)(B)	13,528	68,993
		10,628,656
Leisure products – 0.5%		
Acushnet Holdings Corp.	6,599	360,833
AMMO, Inc. (A)(B)	21,417	45,618
Clarus Corp.	7,623	69,674
Escalade, Inc.	2,902	38,742
Funko, Inc., Class A (A)	7,811	84,515
JAKKS Pacific, Inc. (A)	1,830	36,545
Johnson Outdoors, Inc., Class A	1,298	79,762
Malibu Boats, Inc., Class A (A)	4,408	258,573
Marine Products Corp.	2,784	46,938
MasterCraft Boat Holdings, Inc. (A)	3,964	121,497
Smith & Wesson Brands, Inc.	9,545	124,467
Sturm Ruger & Company, Inc.	3,470	183,771
Topgolf Callaway Brands Corp. (A)	30,052	596,532
Vista Outdoor, Inc. (A)	11,775	325,814
		2,373,281
Specialty retail – 2.3%		
1-800-Flowers.com, Inc., Class A (A)	5,862	45,724
Abercrombie & Fitch Company, Class A (A)	10,159	382,791
Academy Sports & Outdoors, Inc.	15,406	832,694
American Eagle Outfitters, Inc.	37,939	447,680
America's Car-Mart, Inc. (A)	1,274	127,120
Arko Corp.	17,951	142,710
Asbury Automotive Group, Inc. (A)	4,469	1,074,437
Big 5 Sporting Goods Corp.	5,234	47,943
Boot Barn Holdings, Inc. (A)	6,166	522,199
Build-A-Bear Workshop, Inc.	2,896	62,032
Caleres, Inc.	7,391	176,867
Camping World Holdings, Inc., Class A	8,635	259,914
Carvana Company (A)	19,963	517,441
Chico's FAS, Inc. (A)	25,872	138,415
Designer Brands, Inc., Class A	10,781	108,888
Destination XL Group, Inc. (A)	13,261	64,979
EVgo, Inc. (A)	15,977	63,908
Foot Locker, Inc.	17,009	461,114
Franchise Group, Inc.	4,732	135,524
Genesco, Inc. (A)	2,858	71,564
Group 1 Automotive, Inc.	2,853	736,359
GrowGeneration Corp. (A)	14,077	47,862
Guess?, Inc.	6,029	117,264
Haverty Furniture Companies, Inc.	3,107	93,894
Hibbett, Inc.	2,657	96,423
Leslie's, Inc. (A)	37,069	348,078
MarineMax, Inc. (A)	4,407	150,543
Monro, Inc.	6,450	262,064
National Vision Holdings, Inc. (A)	16,124	391,652
OneWater Marine, Inc., Class A (A)	2,495	90,419
Overstock.com, Inc. (A)	9,476	308,633

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
PetMed Express, Inc.	4,678	\$ 64,510
Revolve Group, Inc. (A)(B)	8,786	144,090
Sally Beauty Holdings, Inc. (A)	22,364	276,195
Shoe Carnival, Inc.	3,929	92,253
Signet Jewelers, Ltd.	9,211	601,110
Sleep Number Corp. (A)	4,618	125,979
Sonic Automotive, Inc., Class A	3,219	153,450
Sportsman's Warehouse Holdings, Inc. (A)	9,403	53,597
Stitch Fix, Inc., Class A (A)	19,059	73,377
The Aaron's Company, Inc.	6,790	96,011
The Buckle, Inc.	6,369	220,367
The Children's Place, Inc. (A)(B)	2,907	67,471
The ODP Corp. (A)	7,142	334,388
ThredUp, Inc., Class A (A)(B)	16,938	41,329
Upbound Group, Inc.	11,502	358,057
Urban Outfitters, Inc. (A)	13,266	439,503
Warby Parker, Inc., Class A (A)	18,028	210,747
Winmark Corp.	582	193,498
Zumiez, Inc. (A)	4,000	66,640
		11,939,707
Textiles, apparel and luxury goods – 0.4%		
G-III Apparel Group, Ltd. (A)	9,146	176,243
Hanesbrands, Inc.	73,459	333,504
Kontoor Brands, Inc.	11,607	488,655
Movado Group, Inc.	3,462	92,885
Oxford Industries, Inc.	3,134	308,448
Steven Madden, Ltd.	15,896	519,640
Vera Bradley, Inc. (A)	7,147	45,669
Wolverine World Wide, Inc.	16,787	246,601
		2,211,645
		52,232,543
Consumer staples – 3.3%		
Beverages – 0.4%		
Coca-Cola Consolidated, Inc.	987	627,752
MGP Ingredients, Inc.	3,277	348,280
National Beverage Corp. (A)	4,956	239,623
Primo Water Corp.	32,141	403,048
The Duckhorn Portfolio, Inc. (A)	9,042	117,275
The Vita Coco Company, Inc. (A)	5,932	159,393
		1,895,371
Consumer staples distribution and retail – 0.5%		
Ingles Markets, Inc., Class A	2,889	238,776
PriceSmart, Inc.	5,384	398,739
SpartanNash Company	7,314	164,638
Sprouts Farmers Market, Inc. (A)	21,435	787,308
The Andersons, Inc.	6,667	307,682
The Chefs' Warehouse, Inc. (A)	7,353	262,943
The Fresh Market, Inc. (A)(C)	10,371	0
United Natural Foods, Inc. (A)	12,334	241,130
Village Super Market, Inc., Class A	2,543	58,031
Weis Markets, Inc.	3,517	225,827
		2,685,074
Food products – 1.2%		
Alico, Inc.	1,944	49,494
B&G Foods, Inc.	14,669	204,192
Benson Hill, Inc. (A)(B)	43,301	56,291
Beyond Meat, Inc. (A)(B)	12,667	164,418
BRC, Inc., Class A (A)(B)	9,268	47,823
Calavo Growers, Inc.	3,750	108,825
Cal-Maine Foods, Inc.	7,647	344,115
Dole PLC	14,858	200,880
Fresh Del Monte Produce, Inc.	6,871	176,653
Hostess Brands, Inc. (A)	27,332	692,046

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
J&J Snack Foods Corp.	3,081	\$ 487,907
John B Sanfilippo & Son, Inc.	1,829	214,487
Lancaster Colony Corp.	3,989	802,148
Limoneira Company	4,193	65,243
Mission Produce, Inc. (A)	10,359	125,551
Seneca Foods Corp., Class A (A)	1,234	40,327
Sovos Brands, Inc. (A)	8,295	162,250
SunOpta, Inc. (A)	19,523	130,609
The Hain Celestial Group, Inc. (A)	19,049	238,303
The Simply Good Foods Company (A)	18,822	688,697
TreeHouse Foods, Inc. (A)	10,598	533,927
Utz Brands, Inc.	15,007	245,515
Vital Farms, Inc. (A)	6,777	81,256
Westrock Coffee Company (A)	6,206	67,459
		5,928,416
Household products – 0.3%		
Central Garden & Pet Company (A)	2,968	115,069
Central Garden & Pet Company, Class A (A)	7,284	265,575
Energizer Holdings, Inc.	14,836	498,193
Oil-Dri Corp. of America	1,228	72,440
WD-40 Company	2,796	527,465
		1,478,742
Personal care products – 0.8%		
BellRing Brands, Inc. (A)	27,682	1,013,161
e.l.f. Beauty, Inc. (A)	10,389	1,186,735
Edgewell Personal Care Company	10,571	436,688
Herbalife, Ltd. (A)	20,535	271,883
Inter Parfums, Inc.	3,812	515,497
Medifast, Inc.	2,237	206,162
Nu Skin Enterprises, Inc., Class A	10,376	344,483
The Beauty Health Company (A)	17,398	145,621
USANA Health Sciences, Inc. (A)	2,375	149,720
		4,269,950
Tobacco – 0.1%		
Turning Point Brands, Inc.	3,629	87,132
Universal Corp.	4,827	241,060
Vector Group, Ltd.	29,863	382,545
		710,737
		16,968,290
Energy – 6.5%		
Energy equipment and services – 2.2%		
Archrock, Inc.	28,853	295,743
Atlas Energy Solutions, Inc., Class A	3,454	59,961
Borr Drilling, Ltd. (New York Stock Exchange) (A)	47,785	359,821
Bristow Group, Inc. (A)	5,038	144,742
Cactus, Inc., Class A	13,435	568,569
ChampionX Corp.	41,242	1,280,152
Core Laboratories, Inc.	9,938	231,059
Diamond Offshore Drilling, Inc. (A)	21,280	303,027
DMC Global, Inc. (A)	4,471	79,405
Dril-Quip, Inc. (A)	7,241	168,498
Expro Group Holdings NV (A)	18,429	326,562
Forum Energy Technologies, Inc. (A)	2,427	62,107
Helix Energy Solutions Group, Inc. (A)	30,082	222,005
Helmerich & Payne, Inc.	20,703	733,921
Liberty Energy, Inc.	35,268	471,533
Nabors Industries, Ltd. (A)	1,934	179,920
Newpark Resources, Inc. (A)	17,528	91,671
NexTier Oilfield Solutions, Inc. (A)	40,448	361,605
Noble Corp. PLC (A)	22,000	908,820
Oceaneering International, Inc. (A)	21,017	393,018

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
Oil States International, Inc. (A)	14,200	\$ 106,074
Patterson-UTI Energy, Inc.	43,242	517,607
ProFrac Holding Corp., Class A (A)(B)	5,284	58,969
ProPetro Holding Corp. (A)	20,742	170,914
Ranger Energy Services, Inc. (A)	3,985	40,806
RPC, Inc.	18,137	129,680
SEACOR Marine Holdings, Inc. (A)	5,651	64,591
Seadrill, Ltd. (A)	10,464	431,849
Select Water Solutions, Inc.	17,976	145,606
Solaris Oilfield Infrastructure, Inc., Class A	7,543	62,833
TETRA Technologies, Inc. (A)	28,493	96,306
Tidewater, Inc. (A)	9,857	546,472
U.S. Silica Holdings, Inc. (A)	15,891	192,758
Valaris, Ltd. (A)	12,597	792,729
Weatherford International PLC (A)	14,733	978,566
		11,577,899
Oil, gas and consumable fuels – 4.3%		
Amplify Energy Corp. (A)	8,380	56,733
Arch Resources, Inc.	3,725	420,031
Ardmore Shipping Corp.	8,542	105,494
Berry Corp.	17,117	117,765
California Resources Corp.	14,501	656,750
Callon Petroleum Company (A)	12,704	445,529
Centrus Energy Corp., Class A (A)	2,667	86,838
Chord Energy Corp.	8,561	1,316,682
Civitas Resources, Inc.	14,270	989,910
Clean Energy Fuels Corp. (A)	36,592	181,496
CNX Resources Corp. (A)	33,471	593,106
Comstock Resources, Inc.	19,345	224,402
CONSOL Energy, Inc.	6,986	473,721
Crescent Energy Company, Class A	8,508	88,653
CVR Energy, Inc.	6,085	182,307
Delek US Holdings, Inc.	13,671	327,420
Denbury, Inc. (A)	10,382	895,551
DHT Holdings, Inc.	27,755	236,750
Dorian LPG, Ltd.	6,442	165,237
Earthstone Energy, Inc., Class A (A)	11,788	168,451
Encore Energy Corp. (A)	33,473	80,670
Energy Fuels, Inc. (A)(B)	33,119	206,663
Enviva, Inc.	6,963	75,549
Equitrans Midstream Corp.	90,552	865,677
Evolution Petroleum Corp.	7,579	61,163
Excelerate Energy, Inc., Class A	3,919	79,673
FLEX LNG, Ltd.	5,745	175,395
Gevo, Inc. (A)(B)	52,594	79,943
Golar LNG, Ltd.	20,827	420,081
Granite Ridge Resources, Inc.	5,964	39,541
Green Plains, Inc. (A)	12,145	391,555
Gulfport Energy Corp. (A)	2,044	214,763
Hallador Energy Company (A)	5,396	46,244
International Seaways, Inc.	8,341	318,960
Kinetik Holdings, Inc.	3,661	128,648
Kosmos Energy, Ltd. (A)	94,900	568,451
Magnolia Oil & Gas Corp., Class A	38,015	794,514
Matador Resources Company	23,461	1,227,480
Murphy Oil Corp.	30,715	1,176,385
NextDecade Corp. (A)(B)	6,858	56,304
Nordic American Tankers, Ltd.	41,623	152,756
Northern Oil and Gas, Inc.	15,494	531,754
Overseas Shipholding Group, Inc., Class A (A)	13,263	55,307
Par Pacific Holdings, Inc. (A)	11,409	303,593
PBF Energy, Inc., Class A	24,007	982,847
Peabody Energy Corp.	25,703	556,727
Permian Resources Corp.	52,715	577,756

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
REX American Resources Corp. (A)	3,251	\$ 113,167
Riley Exploration Permian, Inc.	1,955	69,833
Ring Energy, Inc. (A)	28,367	48,508
SandRidge Energy, Inc.	7,110	108,428
Scorpio Tankers, Inc.	10,837	511,832
SFL Corp., Ltd.	22,968	214,291
SilverBow Resources, Inc. (A)(B)	3,726	108,501
Sitio Royalties Corp., Class A	16,769	440,522
SM Energy Company	24,887	787,176
Talos Energy, Inc. (A)	23,438	325,085
Teekay Corp. (A)	14,418	87,085
Teekay Tankers, Ltd., Class A	4,807	183,772
Tellurian, Inc. (A)(B)	113,448	159,962
Uranium Energy Corp. (A)(B)	77,285	262,769
VAALCO Energy, Inc.	23,421	88,063
Vertex Energy, Inc. (A)	14,612	91,325
Vital Energy, Inc. (A)	3,561	160,779
Vitesse Energy, Inc.	5,343	119,683
W&T Offshore, Inc. (A)	21,245	82,218
World Kinect Corp.	12,430	257,052
		22,121,276
		33,699,175
Financials – 14.4%		
Banks – 7.5%		
1st Source Corp.	3,243	135,979
ACNB Corp.	1,888	62,625
Amalgamated Financial Corp.	4,052	65,197
Amerant Bancorp, Inc.	5,498	94,511
American National Bankshares, Inc.	2,512	72,798
Ameris Bancorp	13,753	470,490
Ames National Corp.	2,564	46,229
Arrow Financial Corp.	3,514	70,772
Associated Banc-Corp.	31,078	504,396
Atlantic Union Bankshares Corp.	15,497	402,147
Axos Financial, Inc. (A)	11,650	459,476
Banc of California, Inc.	11,266	130,460
BancFirst Corp.	4,526	416,392
Bank First Corp. (B)	1,400	116,480
Bank of Hawaii Corp.	8,175	337,055
Bank of Marin Bancorp	3,963	70,026
BankUnited, Inc.	15,353	330,857
Banner Corp.	7,036	307,262
Bar Harbor Bankshares	3,318	81,756
BayCom Corp.	3,340	55,711
Berkshire Hills Bancorp, Inc.	9,063	187,876
Blue Foundry Bancorp (A)	6,807	68,819
Bridgewater Bancshares, Inc. (A)	5,531	54,480
Brookline Bancorp, Inc.	18,325	160,161
Burke & Herbert Financial Services Corp.	1,310	84,102
Business First Bancshares, Inc.	5,574	84,000
Byline Bancorp, Inc.	5,302	95,913
C&F Financial Corp.	863	46,343
Cadence Bank	37,610	738,660
Cambridge Bancorp	1,742	94,608
Camden National Corp.	3,090	95,697
Capital City Bank Group, Inc.	2,787	85,394
Capitol Federal Financial, Inc.	26,709	164,795
Capstar Financial Holdings, Inc.	5,253	64,454
Carter Bankshares, Inc. (A)	5,610	82,972
Cathay General Bancorp	14,095	453,718
Central Pacific Financial Corp.	5,753	90,380
Central Valley Community Bancorp	2,643	40,834
Citizens & Northern Corp.	3,688	71,178
Citizens Financial Services, Inc. (B)	1,016	75,662
City Holding Company	2,937	264,301

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Civista Bancshares, Inc.	3,755	\$ 65,337
CNB Financial Corp.	4,956	87,473
Coastal Financial Corp. (A)	2,518	94,803
Columbia Financial, Inc. (A)	6,257	108,184
Community Bank System, Inc.	10,837	508,039
Community Trust Bancorp, Inc.	2,889	102,762
ConnectOne Bancorp, Inc.	8,057	133,666
CrossFirst Bankshares, Inc. (A)	10,320	103,200
Customers Bancorp, Inc. (A)	5,973	180,743
CVB Financial Corp.	27,908	370,618
Dime Community Bancshares, Inc.	7,428	130,956
Eagle Bancorp, Inc.	6,587	139,381
Eastern Bankshares, Inc.	32,295	396,260
Enterprise Financial Services Corp.	7,270	284,257
Equity Bancshares, Inc., Class A	3,485	79,388
Esquire Financial Holdings, Inc.	1,614	73,824
ESSA Bancorp, Inc.	2,589	38,706
Farmers & Merchants Bancorp, Inc. (B)	2,777	62,510
Farmers National Banc Corp.	8,210	101,558
FB Financial Corp.	7,365	206,588
Fidelity D&D Bancorp, Inc.	1,251	60,786
Financial Institutions, Inc.	4,011	63,133
First Bancorp (North Carolina)	8,173	243,147
First Bancorp (Puerto Rico)	36,452	445,443
First Busey Corp.	10,579	212,638
First Business Financial Services, Inc.	1,871	55,176
First Commonwealth Financial Corp.	20,422	258,338
First Community Bankshares, Inc.	3,825	113,717
First Financial Bancorp	19,098	390,363
First Financial Bankshares, Inc.	27,001	769,258
First Financial Corp.	2,529	82,117
First Foundation, Inc.	12,116	48,101
First Interstate BancSystem, Inc., Class A	16,988	404,994
First Merchants Corp.	12,188	344,067
First Mid Bankshares, Inc.	4,129	99,674
Five Star Bancorp	3,062	68,497
Flushing Financial Corp.	6,359	78,152
FS Bancorp, Inc.	1,626	48,894
Fulton Financial Corp.	33,241	396,233
German American Bancorp, Inc.	5,760	156,557
Glacier Bancorp, Inc.	23,033	717,939
Great Southern Bancorp, Inc.	1,772	89,894
Greene County Bancorp, Inc.	1,693	50,451
Guaranty Bancshares, Inc.	2,208	59,793
Hancock Whitney Corp.	17,813	683,663
Hanmi Financial Corp.	6,599	98,523
HarborOne Bancorp, Inc.	9,827	85,298
HBT Financial, Inc.	2,750	50,710
Heartland Financial USA, Inc.	8,812	245,590
Heritage Commerce Corp.	13,505	111,821
Heritage Financial Corp.	7,443	120,353
Hilltop Holdings, Inc.	9,402	295,787
Home Bancorp, Inc.	1,812	60,177
Home BancShares, Inc.	38,872	886,282
HomeTrust Bancshares, Inc.	3,630	75,831
Hope Bancorp, Inc.	23,266	195,900
Horizon Bancorp, Inc.	9,621	100,155
Independent Bank Corp. (Massachusetts)	9,173	408,290
Independent Bank Corp. (Michigan)	4,588	77,812
Independent Bank Group, Inc.	7,607	262,670
International Bancshares Corp.	10,852	479,658
John Marshall Bancorp, Inc.	2,602	52,274
Kearny Financial Corp.	12,815	90,346
Lakeland Bancorp, Inc.	12,705	170,120
Lakeland Financial Corp.	5,176	251,140

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
LCNB Corp.	3,249	\$ 47,955
Live Oak Bancshares, Inc.	7,274	191,379
Macatawa Bank Corp.	6,888	63,921
MainStreet Bancshares, Inc.	2,115	47,926
Mercantile Bank Corp.	3,327	91,892
Metrocity Bankshares, Inc.	4,049	72,437
Metropolitan Bank Holding Corp. (A)	2,338	81,199
Mid Penn Bancorp, Inc.	3,284	72,511
Middlefield Banc Corp.	2,181	58,451
Midland States Bancorp, Inc.	4,489	89,376
MidWestOne Financial Group, Inc.	3,503	74,859
MVB Financial Corp.	2,850	60,078
National Bank Holdings Corp., Class A	7,379	214,286
National Bankshares, Inc.	1,629	47,551
NBT Bancorp, Inc.	8,537	271,903
Nicolet Bankshares, Inc.	2,624	178,196
Northeast Bank	1,783	74,298
Northeast Community Bancorp, Inc. (B)	3,141	46,738
Northfield Bancorp, Inc.	9,110	100,028
Northrim BanCorp, Inc.	1,373	54,000
Northwest Bankshares, Inc.	25,301	268,191
Norwood Financial Corp. (B)	1,936	57,170
Oak Valley Bancorp	1,690	42,571
OceanFirst Financial Corp.	12,070	188,533
OFG Bancorp	9,260	241,501
Old National Bancorp	59,425	828,385
Old Second Bancorp, Inc.	9,439	123,273
Orange County Bancorp, Inc.	1,455	53,835
Origin Bancorp, Inc.	6,015	176,240
Orrstown Financial Services, Inc.	2,757	52,797
Pacific Premier Bancorp, Inc.	19,710	407,603
PacWest Bancorp	25,433	207,279
Park National Corp.	2,879	294,579
Parke Bancorp, Inc.	2,673	45,414
Pathward Financial, Inc.	5,741	266,153
PCB Bancorp	3,188	46,895
Peapack-Gladstone Financial Corp.	3,883	105,152
Penns Woods Bancorp, Inc.	1,834	45,905
Peoples Bancorp, Inc.	6,684	177,460
Peoples Financial Services Corp.	1,622	71,027
Plumas Bancorp	1,364	48,681
Ponce Financial Group, Inc. (A)	6,172	53,635
Preferred Bank	2,728	150,013
Premier Financial Corp.	7,787	124,748
Primis Financial Corp.	6,220	52,372
Princeton Bancorp, Inc.	1,478	40,379
Provident Financial Services, Inc.	14,730	240,688
QCR Holdings, Inc.	3,453	141,677
RBB Bancorp	4,308	51,438
Renasant Corp.	11,284	294,851
Republic Bancorp, Inc., Class A	1,763	74,928
S&T Bancorp, Inc.	7,659	208,248
Sandy Spring Bancorp, Inc.	9,099	206,365
Seacoast Banking Corp. of Florida	17,660	390,286
ServisFirst Bancshares, Inc.	10,635	435,184
Shore Bancshares, Inc.	5,078	58,702
Sierra Bancorp	3,714	63,027
Simmons First National Corp., Class A	25,667	442,756
SmartFinancial, Inc.	3,659	78,705
South Plains Financial, Inc.	2,814	63,343
Southern First Bancshares, Inc. (A)	2,105	52,099
Southern Missouri Bancorp, Inc.	1,998	76,823
Southern States Bancshares, Inc.	1,910	40,301
Southside Bancshares, Inc.	5,935	155,260
SouthState Corp.	15,585	1,025,493

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Stellar Bancorp, Inc.	10,057	\$ 230,205
Stock Yards Bancorp, Inc.	5,702	258,700
Summit Financial Group, Inc.	2,779	57,414
Texas Capital Bancshares, Inc. (A)	9,863	507,945
The Bancorp, Inc. (A)	11,168	364,635
The Bank of NT Butterfield & Son, Ltd.	10,205	279,209
The Community Financial Corp.	1,549	41,962
The First Bancorp, Inc.	2,627	63,941
The First Bancshares, Inc.	6,276	162,172
The First of Long Island Corp.	5,428	65,245
The Hingham Institution for Savings (B)	331	70,563
Third Coast Bancshares, Inc. (A)	3,522	55,894
Timberland Bancorp, Inc.	2,047	52,362
Tompkins Financial Corp.	2,808	156,406
Towne Bank	14,408	334,842
TriCo Bancshares	6,399	212,447
Triumph Financial, Inc. (A)	4,661	283,016
Trustmark Corp.	12,621	266,556
UMB Financial Corp.	9,150	557,235
United Bankshares, Inc.	26,749	793,643
United Community Banks, Inc.	23,850	596,012
Univest Financial Corp.	6,184	111,807
Valley National Bancorp	89,603	694,423
Veritex Holdings, Inc.	11,016	197,517
Virginia National Bankshares Corp.	1,364	43,853
Washington Federal, Inc.	13,039	345,794
Washington Trust Bancorp, Inc.	3,770	101,074
WesBanco, Inc.	11,864	303,837
West BanCorp, Inc.	3,821	70,345
Westamerica BanCorp	5,209	199,505
WSFS Financial Corp.	12,595	475,083
		38,825,572
Capital markets – 1.4%		
Artisan Partners Asset Management, Inc., Class A	12,697	499,119
AssetMark Financial Holdings, Inc. (A)	4,726	140,173
Avantax, Inc. (A)	8,394	187,858
B. Riley Financial, Inc.	3,924	180,426
BGC Partners, Inc., Class A	65,238	289,004
BrightSphere Investment Group, Inc.	6,791	142,271
Cohen & Steers, Inc.	5,416	314,074
Diamond Hill Investment Group, Inc.	643	110,146
Donnelley Financial Solutions, Inc. (A)	5,117	232,977
Ellington Financial, Inc.	12,938	178,544
Focus Financial Partners, Inc., Class A (A)	12,128	636,841
Forge Global Holdings, Inc. (A)	25,886	62,903
GCM Grosvenor, Inc., Class A	9,818	74,028
Hamilton Lane, Inc., Class A	7,598	607,688
Moelis & Company, Class A	13,819	626,553
Open Lending Corp. (A)	21,109	221,856
P10, Inc., Class A	9,410	106,333
Patria Investments, Ltd., Class A	11,481	164,178
Perella Weinberg Partners	9,854	82,084
Piper Sandler Companies	3,568	461,200
PJT Partners, Inc., Class A	4,960	345,414
Sculptor Capital Management, Inc.	6,093	53,801
Silvercrest Asset Management Group, Inc., Class A	2,621	53,075
StepStone Group, Inc., Class A	11,413	283,157
StoneX Group, Inc. (A)	3,710	308,227
Victory Capital Holdings, Inc., Class A	5,735	180,882
Virtus Investment Partners, Inc.	1,408	278,038

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
WisdomTree, Inc.	28,958	\$ 198,652
		7,019,502
Consumer finance – 0.8%		
Atlanticus Holdings Corp. (A)	1,091	45,833
Bread Financial Holdings, Inc.	10,466	328,528
Encore Capital Group, Inc. (A)	4,822	234,446
Enova International, Inc. (A)	6,260	332,531
FirstCash Holdings, Inc.	7,808	728,721
Green Dot Corp., Class A (A)	9,871	184,983
LendingClub Corp. (A)	22,543	219,794
LendingTree, Inc. (A)	2,547	56,314
Navient Corp.	18,662	346,740
Nelnet, Inc., Class A	2,904	280,178
NerdWallet, Inc., Class A (A)	7,553	71,074
PRA Group, Inc. (A)	8,297	189,586
PROG Holdings, Inc. (A)	9,644	309,765
Regional Management Corp.	1,948	59,414
Upstart Holdings, Inc. (A)(B)	15,008	537,436
World Acceptance Corp. (A)	810	108,548
		4,033,891
Financial services – 2.0%		
Acacia Research Corp. (A)	9,910	41,226
Alerus Financial Corp.	4,297	77,260
A-Mark Precious Metals, Inc.	3,997	149,628
AvidXchange Holdings, Inc. (A)	31,150	323,337
Banco Latinoamericano de Comercio Exterior SA, Class E	5,779	127,485
Cannae Holdings, Inc. (A)	14,941	301,958
Cantaloupe, Inc. (A)	12,632	100,551
Cass Information Systems, Inc.	2,841	110,174
Compass Diversified Holdings	13,310	288,694
Enact Holdings, Inc.	6,042	151,835
Essent Group, Ltd.	21,740	1,017,432
EVERTEC, Inc.	13,419	494,222
Federal Agricultural Mortgage Corp., Class C	1,851	266,063
Flywire Corp. (A)	19,933	618,720
i3 Verticals, Inc., Class A (A)	4,882	111,603
International Money Express, Inc. (A)	6,531	160,205
Jackson Financial, Inc., Class A	16,520	505,677
Marqeta, Inc., Class A (A)	102,463	498,995
Merchants Bancorp	3,255	83,263
Mr. Cooper Group, Inc. (A)	13,746	696,097
NewtekOne, Inc. (B)	5,060	80,454
NMI Holdings, Inc., Class A (A)	17,089	441,238
Owens Financial Corp. (A)	1,635	49,001
PagSeguro Digital, Ltd., Class A (A)	41,153	388,484
Payoneer Global, Inc. (A)	55,499	266,950
Paysafe, Ltd. (A)	7,154	72,184
PennyMac Financial Services, Inc.	5,216	366,737
Radian Group, Inc.	32,208	814,218
Remitly Global, Inc. (A)	17,610	331,420
Repay Holdings Corp. (A)	17,757	139,037
StoneCo, Ltd., Class A (A)	60,258	767,687
TrustCo Bank Corp. NY	3,886	111,178
Walker & Dunlop, Inc.	6,621	523,655
Waterstone Financial, Inc.	4,725	68,465
		10,545,133
Insurance – 1.6%		
Ambac Financial Group, Inc. (A)	9,022	128,473
American Equity Investment Life Holding Company	15,908	828,966
AMERISAFE, Inc.	3,946	210,401
Argo Group International Holdings, Ltd.	6,611	195,752

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
BRP Group, Inc., Class A (A)	12,458	\$ 308,709
CNO Financial Group, Inc.	22,975	543,818
Donegal Group, Inc., Class A	3,924	56,623
eHealth, Inc. (A)	5,591	44,952
Employers Holdings, Inc.	5,408	202,313
Enstar Group, Ltd. (A)	2,431	593,747
F&G Annuities & Life, Inc.	3,937	97,559
Genworth Financial, Inc., Class A (A)	99,386	496,930
Goosehead Insurance, Inc., Class A (A)	4,501	283,068
Greenlight Capital Re, Ltd., Class A (A)	6,535	68,846
HCI Group, Inc. (B)	1,442	89,087
Hippo Holdings, Inc. (A)(B)	2,807	46,400
Horace Mann Educators Corp.	8,312	246,534
Investors Title Company	375	54,750
James River Group Holdings, Ltd.	8,071	147,376
Lemonade, Inc. (A)(B)	10,734	180,868
MBIA, Inc. (A)	10,762	92,984
Mercury General Corp.	5,744	173,871
National Western Life Group, Inc., Class A	474	196,975
Oscar Health, Inc., Class A (A)	32,410	261,225
Palomar Holdings, Inc. (A)	5,115	296,875
ProAssurance Corp.	11,658	175,919
Safety Insurance Group, Inc.	2,947	211,359
Selective Insurance Group, Inc.	12,395	1,189,300
SelectQuote, Inc. (A)	30,486	59,448
SiriusPoint, Ltd. (A)	19,084	172,329
Skyward Specialty Insurance Group, Inc. (A)	2,325	59,055
Stewart Information Services Corp.	5,479	225,406
Tiptree, Inc.	5,642	84,686
Trupanion, Inc. (A)(B)	8,483	166,945
United Fire Group, Inc.	4,686	106,185
Universal Insurance Holdings, Inc.	5,596	86,346
		8,384,080
Mortgage real estate investment trusts – 1.1%		
AFC Gamma, Inc.	4,173	51,954
Apollo Commercial Real Estate Finance, Inc.	28,259	319,892
Arbor Realty Trust, Inc.	36,885	546,636
Ares Commercial Real Estate Corp.	10,459	106,159
ARMOUR Residential REIT, Inc.	40,056	213,498
Blackstone Mortgage Trust, Inc., Class A	34,820	724,604
BrightSpire Capital, Inc.	26,993	181,663
Chicago Atlantic Real Estate Finance, Inc.	3,908	59,206
Chimera Investment Corp.	47,223	272,477
Claros Mortgage Trust, Inc.	18,982	215,256
Dynex Capital, Inc.	10,947	137,823
Franklin BSP Realty Trust, Inc.	16,726	236,840
Granite Point Mortgage Trust, Inc.	11,808	62,582
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	21,455	536,375
Invesco Mortgage Capital, Inc.	9,041	103,700
KKR Real Estate Finance Trust, Inc.	11,811	143,740
Ladder Capital Corp.	22,653	245,785
MFA Financial, Inc.	20,848	234,332
New York Mortgage Trust, Inc.	19,143	189,899
Orchid Island Capital, Inc.	8,529	88,275
PennyMac Mortgage Investment Trust	17,833	240,389
Ready Capital Corp.	32,308	364,434
Redwood Trust, Inc.	23,338	148,663
TPG RE Finance Trust, Inc.	15,243	112,951
Two Harbors Investment Corp.	19,867	275,754
		5,812,887
		74,621,065

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care – 16.2%		
Biotechnology – 7.2%		
2seventy bio, Inc. (A)	10,848	\$ 109,782
4D Molecular Therapeutics, Inc. (A)	6,782	122,551
89bio, Inc. (A)	12,862	243,735
ACADIA Pharmaceuticals, Inc. (A)	25,076	600,570
Achillion Pharmaceuticals, Inc. (A)(C)	38,157	57,979
Actinium Pharmaceuticals, Inc. (A)	6,170	45,781
ADMA Biologics, Inc. (A)	44,639	164,718
Aduro Biotech, Inc. (A)(C)	4,010	9,814
Agenus, Inc. (A)	74,302	118,883
Agios Pharmaceuticals, Inc. (A)	11,712	331,684
Akero Therapeutics, Inc. (A)	9,292	433,843
Albireo Pharma, Inc. (A)(C)	3,774	8,114
Aldeyra Therapeutics, Inc. (A)	10,000	83,900
Alector, Inc. (A)	13,917	83,641
Alkermes PLC (A)	34,348	1,075,092
Allakos, Inc. (A)	14,792	64,493
Allogene Therapeutics, Inc. (A)(B)	18,056	89,738
Alpine Immune Sciences, Inc. (A)(B)	7,148	73,481
Altimmune, Inc. (A)	11,069	39,074
Amicus Therapeutics, Inc. (A)	58,079	729,472
AnaptysBio, Inc. (A)	4,055	82,479
Anavex Life Sciences Corp. (A)	14,971	121,714
Anika Therapeutics, Inc. (A)	3,300	85,734
Annexon, Inc. (A)	10,670	37,558
Arbutus Biopharma Corp. (A)(B)	28,399	65,318
Arcellx, Inc. (A)	7,851	248,249
Arcuturus Therapeutics Holdings, Inc. (A)	5,038	144,490
Arcus Biosciences, Inc. (A)	11,062	224,669
Arcutis Biotherapeutics, Inc. (A)	11,134	106,107
Ardelyx, Inc. (A)	44,759	151,733
Arrowhead Pharmaceuticals, Inc. (A)	21,212	756,420
Astria Therapeutics, Inc. (A)	5,726	47,698
Atara Biotherapeutics, Inc. (A)	23,063	37,131
Aura Biosciences, Inc. (A)	6,210	76,694
Aurinia Pharmaceuticals, Inc. (A)	28,501	275,890
Avid Bioservices, Inc. (A)	13,142	183,594
Avidity Biosciences, Inc. (A)	14,848	164,664
Avita Medical, Inc. (A)	5,480	93,215
Beam Therapeutics, Inc. (A)	14,233	454,460
BioAtla, Inc. (A)	10,385	31,155
BioCryst Pharmaceuticals, Inc. (A)	39,638	279,052
Biohaven, Ltd. (A)	12,188	291,537
Biomea Fusion, Inc. (A)	4,134	90,741
Bioxcel Therapeutics, Inc. (A)(B)	4,123	27,459
Bluebird Bio, Inc. (A)	23,449	77,147
Blueprint Medicines Corp. (A)	12,616	797,331
Bridgebio Pharma, Inc. (A)	23,826	409,807
Cabaletta Bio, Inc. (A)	5,542	71,547
CareDx, Inc. (A)	11,372	96,662
Caribou Biosciences, Inc. (A)	13,305	56,546
Carisma Therapeutics, Inc.	6,163	54,050
Catalyst Pharmaceuticals, Inc. (A)	20,298	272,805
Celcuity, Inc. (A)	3,995	43,865
Celldex Therapeutics, Inc. (A)	9,675	328,273
Cerevel Therapeutics Holdings, Inc. (A)	12,836	408,056
Chinook Therapeutics, Inc. (A)	12,035	462,385
Cogent Biosciences, Inc. (A)	14,579	172,615
Coherus Biosciences, Inc. (A)	17,273	73,756
Compass Therapeutics, Inc. (A)	20,318	64,611
Crinetics Pharmaceuticals, Inc. (A)	11,285	203,356
Cullinan Oncology, Inc. (A)	5,626	60,536
Cytokinetics, Inc. (A)	19,297	629,468
Day One Biopharmaceuticals, Inc. (A)	10,378	123,913
Deciphera Pharmaceuticals, Inc. (A)	11,064	155,781

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Denali Therapeutics, Inc. (A)	24,519	\$ 723,556
Design Therapeutics, Inc. (A)(B)	8,072	50,854
Disc Medicine, Inc. (A)(B)	1,650	73,260
Dynavax Technologies Corp. (A)	26,915	347,742
Dyne Therapeutics, Inc. (A)	9,127	102,679
Eagle Pharmaceuticals, Inc. (A)	2,442	47,472
Editas Medicine, Inc. (A)	15,089	124,182
Emergent BioSolutions, Inc. (A)	11,291	82,989
Enanta Pharmaceuticals, Inc. (A)	4,449	95,209
Entrada Therapeutics, Inc. (A)	4,747	71,870
EQRx, Inc. (A)	68,891	128,137
Erasca, Inc. (A)	19,311	53,298
Fate Therapeutics, Inc. (A)	18,554	88,317
Fennec Pharmaceuticals, Inc. (A)	4,711	41,598
FibroGen, Inc. (A)	18,972	51,224
Foghorn Therapeutics, Inc. (A)	4,953	34,869
Generation Bio Company (A)	10,224	56,232
Geron Corp. (A)	103,630	332,652
Gritstone bio, Inc. (A)	19,793	38,596
Halozyme Therapeutics, Inc. (A)	27,616	996,109
HilleVax, Inc. (A)	4,684	80,518
Humacyte, Inc. (A)	15,084	43,140
Icosavax, Inc. (A)	6,029	59,868
Ideaya Biosciences, Inc. (A)	11,317	265,950
Immuneering Corp., Class A (A)	4,520	45,833
ImmunityBio, Inc. (A)(B)	24,019	66,773
ImmunoGen, Inc. (A)	50,291	948,991
Immunovant, Inc. (A)	11,295	214,266
Inhibrx, Inc. (A)	7,250	188,210
Inozyme Pharma, Inc. (A)	7,614	42,410
Insmed, Inc. (A)	27,418	578,520
Intellia Therapeutics, Inc. (A)	18,326	747,334
Intercept Pharmaceuticals, Inc. (A)	5,348	59,149
Iovance Biotherapeutics, Inc. (A)	43,376	305,367
Ironwood Pharmaceuticals, Inc. (A)	28,595	304,251
iTeos Therapeutics, Inc. (A)	5,452	72,184
IVERIC bio, Inc. (A)	28,556	1,123,393
Janux Therapeutics, Inc. (A)(B)	3,989	47,349
KalVista Pharmaceuticals, Inc. (A)	5,717	51,453
Karyopharm Therapeutics, Inc. (A)	25,774	46,135
Keros Therapeutics, Inc. (A)	4,721	189,690
Kezar Life Sciences, Inc. (A)	17,702	43,370
Kiniksa Pharmaceuticals, Ltd., Class A (A)	6,876	96,814
Kodiak Sciences, Inc. (A)	7,982	55,076
Krystal Biotech, Inc. (A)	4,482	526,187
Kura Oncology, Inc. (A)	13,834	146,364
Kymera Therapeutics, Inc. (A)	7,969	183,207
Lexicon Pharmaceuticals, Inc. (A)	21,315	48,811
Lineage Cell Therapeutics, Inc. (A)	32,559	45,908
Lyell Immunopharma, Inc. (A)(B)	36,975	117,581
MacroGenics, Inc. (A)	13,923	74,488
Madrigal Pharmaceuticals, Inc. (A)	2,810	649,110
MannKind Corp. (A)	54,004	219,796
MeiraGTx Holdings PLC (A)	7,764	52,174
Mersana Therapeutics, Inc. (A)	22,020	72,446
MiMedx Group, Inc. (A)	24,011	158,713
Mineralys Therapeutics, Inc. (A)	3,206	54,662
Mirum Pharmaceuticals, Inc. (A)	5,628	145,596
Monte Rosa Therapeutics, Inc. (A)	7,194	49,279
Morphic Holding, Inc. (A)	6,318	362,211
Myriad Genetics, Inc. (A)	16,784	389,053
Novavax, Inc. (A)(B)	18,509	137,522
Nurix Therapeutics, Inc. (A)	10,348	103,377
Nuvalent, Inc., Class A (A)	5,019	211,651
Olema Pharmaceuticals, Inc. (A)	6,264	56,564

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Omega Therapeutics, Inc. (A)	5,661	\$ 31,702
Organogenesis Holdings, Inc. (A)	16,693	55,421
ORIC Pharmaceuticals, Inc. (A)	8,746	67,869
Outlook Therapeutics, Inc. (A)(B)	35,689	62,099
Ovid therapeutics, Inc. (A)	13,880	45,526
PDL BioPharma, Inc. (A)(C)	28,581	9,432
PDS Biotechnology Corp. (A)	6,461	32,499
PMV Pharmaceuticals, Inc. (A)	9,076	56,816
Point Biopharma Global, Inc. (A)	19,100	173,046
Poseida Therapeutics, Inc. (A)	16,114	28,361
Prime Medicine, Inc. (A)	8,376	122,708
ProKidney Corp. (A)	13,073	146,287
Protagonist Therapeutics, Inc. (A)	11,266	311,167
Prothena Corp. PLC (A)	8,591	586,593
PTC Therapeutics, Inc. (A)	14,679	596,995
Radius Health, Inc. (A)(C)	9,985	799
Rallybio Corp. (A)	7,029	39,784
RAPT Therapeutics, Inc. (A)	6,236	116,613
Recursion Pharmaceuticals, Inc., Class A (A)	28,673	214,187
REGENXBIO, Inc. (A)	8,729	174,493
Relay Therapeutics, Inc. (A)	18,995	238,577
Replimune Group, Inc. (A)	8,597	199,622
REVOLUTION Medicines, Inc. (A)	21,095	564,291
Rhythm Pharmaceuticals, Inc. (A)	10,762	177,465
Rigel Pharmaceuticals, Inc. (A)	38,466	49,621
Rocket Pharmaceuticals, Inc. (A)	11,732	233,115
Sage Therapeutics, Inc. (A)	10,992	516,844
Sana Biotechnology, Inc. (A)(B)	20,207	120,434
Sangamo Therapeutics, Inc. (A)	35,760	46,488
Savara, Inc. (A)	17,523	55,986
Scholar Rock Holding Corp. (A)	6,452	48,648
Seres Therapeutics, Inc. (A)	21,218	101,634
SpringWorks Therapeutics, Inc. (A)	12,215	320,277
Stoke Therapeutics, Inc. (A)	6,129	65,151
Summit Therapeutics, Inc. (A)	24,921	62,552
Sutro Biopharma, Inc. (A)	13,918	64,719
Syndax Pharmaceuticals, Inc. (A)	13,814	289,127
Synergy Pharmaceuticals, Inc. (A)(C)	80,513	233
Tenaya Therapeutics, Inc. (A)	10,185	59,786
TG Therapeutics, Inc. (A)	28,436	706,350
Travere Therapeutics, Inc. (A)	15,271	234,563
Twist Bioscience Corp. (A)	12,036	246,257
Tyra Biosciences, Inc. (A)	3,238	55,143
UroGen Pharma, Ltd. (A)	4,591	47,517
Vanda Pharmaceuticals, Inc. (A)	12,383	81,604
Vaxcye, Inc. (A)	19,037	950,708
Vera Therapeutics, Inc. (A)	7,295	117,085
VeracYTE, Inc. (A)	15,175	386,507
Vericel Corp. (A)	9,950	373,822
Verve Therapeutics, Inc. (A)	10,749	201,544
Viking Therapeutics, Inc. (A)	19,907	322,692
Vir Biotechnology, Inc. (A)	17,358	425,792
Viridian Therapeutics, Inc. (A)	8,819	209,804
Vor BioPharma, Inc. (A)	9,109	28,147
Voyager Therapeutics, Inc. (A)	6,848	78,410
X4 Pharmaceuticals, Inc. (A)	27,872	54,072
Xencor, Inc. (A)	12,149	303,361
XOMA Corp. (A)	2,111	39,877
Y-mAbs Therapeutics, Inc. (A)	8,226	55,855
Zentalis Pharmaceuticals, Inc. (A)	10,304	290,676
Zymeworks, Inc. (A)	11,532	99,636
		37,544,594
Health care equipment and supplies – 3.4%		
Accuray, Inc. (A)	20,909	80,918

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Alphatec Holdings, Inc. (A)	16,031	\$ 288,237
AngioDynamics, Inc. (A)	8,324	86,819
Artivion, Inc. (A)	8,508	146,253
AtriCure, Inc. (A)	9,672	477,410
Atrion Corp.	287	162,356
Avanos Medical, Inc. (A)	9,573	244,686
Axogen, Inc. (A)	9,326	85,146
Axonics, Inc. (A)	10,194	514,491
Butterfly Network, Inc. (A)(B)	31,271	71,923
Cerus Corp. (A)	39,654	97,549
ClearPoint Neuro, Inc. (A)	5,627	40,739
CONMED Corp.	6,324	859,368
Cutera, Inc. (A)(B)	3,789	57,328
Embecka Corp.	11,828	255,485
Figs, Inc., Class A (A)	26,784	221,504
Glaukos Corp. (A)	9,706	691,164
Haemonetics Corp. (A)	10,319	878,560
Inari Medical, Inc. (A)	10,746	624,772
Inmode, Ltd. (A)	16,016	598,198
Inogen, Inc. (A)	5,434	62,763
Integer Holdings Corp. (A)	6,839	606,004
iRadimed Corp.	1,590	75,907
iRhythm Technologies, Inc. (A)	6,364	663,892
Lantheus Holdings, Inc. (A)	14,062	1,180,083
LeMaitre Vascular, Inc.	4,085	274,839
LivaNova PLC (A)	11,251	578,639
Merit Medical Systems, Inc. (A)	11,727	980,846
Nano-X Imaging, Ltd. (A)(B)	9,578	148,363
Neogen Corp. (A)	45,207	983,252
Nevro Corp. (A)	7,422	188,667
NuVasive, Inc. (A)	10,960	455,826
Omnicell, Inc. (A)	9,328	687,194
OraSure Technologies, Inc. (A)	16,454	82,435
Orthofix Medical, Inc. (A)	7,524	135,883
OrthoPediatrics Corp. (A)	3,341	146,503
Outset Medical, Inc. (A)	10,364	226,661
Paragon 28, Inc. (A)	9,182	162,889
PROCEPT BioRobotics Corp. (A)	7,569	267,564
Pulmonx Corp. (A)	7,865	103,110
RxSight, Inc. (A)	5,729	164,995
Sanara Medtech, Inc. (A)	930	37,293
SI-BONE, Inc. (A)	7,278	196,360
Sight Sciences, Inc. (A)	5,438	45,027
Silk Road Medical, Inc. (A)	8,048	261,480
STAAR Surgical Company (A)	10,079	529,853
Surmodics, Inc. (A)	3,110	97,374
Tactile Systems Technology, Inc. (A)	4,939	123,129
Tela Bio, Inc. (A)	3,965	40,165
TransMedics Group, Inc. (A)	6,579	552,504
Treace Medical Concepts, Inc. (A)	9,386	240,094
UFP Technologies, Inc. (A)	1,462	283,409
Utah Medical Products, Inc.	740	68,968
Varex Imaging Corp. (A)	8,171	192,590
Zimvie, Inc. (A)	5,737	64,427
Zynex, Inc. (A)(B)	4,657	44,661
		17,436,555
Health care providers and services – 2.7%		
23andMe Holding Company, Class A (A)	57,787	101,127
Accolade, Inc. (A)	13,967	188,135
AdaptHealth Corp. (A)	15,448	188,002
Addus HomeCare Corp. (A)	3,228	299,236
Agility, Inc. (A)	6,277	103,571
Alignment Healthcare, Inc. (A)	18,588	106,881
AMN Healthcare Services, Inc. (A)	8,332	909,188
Apollo Medical Holdings, Inc. (A)	8,947	282,725

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Brookdale Senior Living, Inc. (A)	36,066	\$ 152,199
Cano Health, Inc. (A)(B)	51,464	71,535
CareMax, Inc. (A)	17,557	54,602
Castle Biosciences, Inc. (A)	5,554	76,201
Community Health Systems, Inc. (A)	26,765	117,766
CorVel Corp. (A)	1,797	347,720
Cross Country Healthcare, Inc. (A)	7,115	199,789
DocGo, Inc. (A)	16,361	153,303
Enhabit, Inc. (A)	10,661	122,602
Fulgent Genetics, Inc. (A)	4,290	158,859
Guardant Health, Inc. (A)	23,053	825,297
HealthEquity, Inc. (A)	17,411	1,099,331
Hims & Hers Health, Inc. (A)	25,751	242,059
InfuSystem Holdings, Inc. (A)	4,446	42,815
Invitae Corp. (A)(B)	57,713	65,216
LifeStance Health Group, Inc. (A)	22,222	202,887
ModivCare, Inc. (A)	2,728	123,333
National HealthCare Corp.	2,483	153,499
National Research Corp.	3,022	131,487
NeoGenomics, Inc. (A)	26,463	425,260
OPKO Health, Inc. (A)	86,860	188,486
Option Care Health, Inc. (A)	35,210	1,143,973
Owens & Minor, Inc. (A)	15,589	296,815
P3 Health Partners, Inc. (A)	9,337	27,918
Patterson Companies, Inc.	18,093	601,773
Pediatrix Medical Group, Inc. (A)	17,463	248,149
PetIQ, Inc. (A)	6,016	91,263
Privia Health Group, Inc. (A)	14,082	367,681
Progyny, Inc. (A)	16,300	641,242
Quipt Home Medical Corp. (A)	9,436	50,388
RadNet, Inc. (A)	10,177	331,974
Select Medical Holdings Corp.	21,379	681,135
Surgery Partners, Inc. (A)	14,014	630,490
The Ensign Group, Inc.	11,218	1,070,870
The Joint Corp. (A)	3,588	48,438
The Pennant Group, Inc. (A)	6,435	79,022
US Physical Therapy, Inc.	2,681	325,447
Viemed Healthcare, Inc. (A)	7,642	74,739
		13,844,428
Health care technology – 0.6%		
American Well Corp., Class A (A)	52,950	111,195
Computer Programs and Systems, Inc. (A)	3,141	77,551
Definitive Healthcare Corp. (A)	9,782	107,602
Evolent Health, Inc., Class A (A)	22,797	690,749
Health Catalyst, Inc. (A)	11,974	149,675
HealthStream, Inc.	5,066	124,421
MultiPlan Corp. (A)(B)	79,993	168,785
NextGen Healthcare, Inc. (A)	11,255	182,556
OptimizeRx Corp. (A)	3,973	56,774
Phreesia, Inc. (A)	10,623	329,419
Schrodinger, Inc. (A)	11,361	567,141
Sharecare, Inc. (A)	66,380	116,165
Simulations Plus, Inc.	3,347	145,026
Veradigm, Inc. (A)	22,427	282,580
		3,109,639
Life sciences tools and services – 0.4%		
Adaptive Biotechnologies Corp. (A)	24,284	162,946
BioLife Solutions, Inc. (A)	7,377	163,032
Codexis, Inc. (A)	17,084	47,835
CryoPort, Inc. (A)	9,189	158,510
Cytek Biosciences, Inc. (A)	25,464	217,463
Harvard Bioscience, Inc. (A)	8,949	49,130
MaxCyte, Inc. (A)	19,370	88,908
Mesa Laboratories, Inc.	1,096	140,836
NanoString Technologies, Inc. (A)	11,487	46,522

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
OmniAb, Inc. (A)	20,475	\$ 102,989
OmniAb, Inc., \$12.50 Earnout Shares (A)(C)	1,176	0
OmniAb, Inc., \$15.00 Earnout Shares (A)(C)	1,176	0
Pacific Biosciences of California, Inc. (A)	52,247	694,885
Quanterix Corp. (A)	7,457	168,155
Quantum-Si, Inc. (A)	26,425	47,301
Seer, Inc. (A)	14,157	60,450
SomaLogic, Inc. (A)	34,769	80,316
		2,229,278
Pharmaceuticals – 1.9%		
Aclaris Therapeutics, Inc. (A)	14,788	153,352
Amneal Pharmaceuticals, Inc. (A)	26,698	82,764
Amphastar Pharmaceuticals, Inc. (A)	7,906	454,358
Amylyx Pharmaceuticals, Inc. (A)	10,635	229,397
ANI Pharmaceuticals, Inc. (A)	2,754	148,248
Arvinas, Inc. (A)	10,367	257,309
Assertio Holdings, Inc. (A)	11,942	64,726
Atea Pharmaceuticals, Inc. (A)	17,550	65,637
Axsome Therapeutics, Inc. (A)(B)	6,817	489,870
Cara Therapeutics, Inc. (A)	11,861	33,567
Cassava Sciences, Inc. (A)(B)	8,295	203,393
CinCor Pharma, Inc. (A)(C)	5,189	15,878
Collegium Pharmaceutical, Inc. (A)	7,284	156,533
Corcept Therapeutics, Inc. (A)	16,688	371,308
CorMedix, Inc. (A)	10,474	41,529
CymaBay Therapeutics, Inc. (A)	20,578	225,329
DICE Therapeutics, Inc. (A)	8,064	374,653
Edgewise Therapeutics, Inc. (A)	9,416	72,974
Enliven Therapeutics, Inc. (A)	5,028	102,621
Evolus, Inc. (A)	9,227	67,080
EyePoint Pharmaceuticals, Inc. (A)(B)	6,459	56,193
Harmony Biosciences Holdings, Inc. (A)	6,902	242,881
Harrow Health, Inc. (A)	5,515	105,006
Innoviva, Inc. (A)	12,829	163,313
Intra-Cellular Therapies, Inc. (A)	19,410	1,229,041
Ligand Pharmaceuticals, Inc. (A)	3,472	250,331
Liquidia Corp. (A)	10,444	81,985
Marinus Pharmaceuticals, Inc. (A)	10,781	117,082
Nuvation Bio, Inc. (A)	36,610	65,898
Ocular Therapeutix, Inc. (A)	17,063	88,045
Omeros Corp. (A)	13,375	72,760
Pacira BioSciences, Inc. (A)	9,479	379,824
Phathom Pharmaceuticals, Inc. (A)(B)	5,439	77,886
Phibro Animal Health Corp., Class A	4,931	67,555
Pliant Therapeutics, Inc. (A)	11,791	213,653
Prestige Consumer Healthcare, Inc. (A)	10,230	607,969
Reata Pharmaceuticals, Inc., Class A (A)	5,925	604,113
Revance Therapeutics, Inc. (A)	17,297	437,787
Scilex Holding Company (A)	11,186	62,306
scPharmaceuticals, Inc. (A)	6,543	66,673
SIGA Technologies, Inc.	10,137	51,192
Supernus Pharmaceuticals, Inc. (A)	10,296	309,498
Taro Pharmaceutical Industries, Ltd. (A)	1,759	66,719
Tarsus Pharmaceuticals, Inc. (A)	5,231	94,524
Terns Pharmaceuticals, Inc. (A)	9,106	79,678
Theravance Biopharma, Inc. (A)(B)	13,294	137,593
Theseus Pharmaceuticals, Inc. (A)	4,575	42,685
Ventyx Biosciences, Inc. (A)	9,702	318,226
WaVe Life Sciences, Ltd. (A)	13,563	49,369
Xeris Biopharma Holdings, Inc. (A)	29,385	76,989
Zevra Therapeutics, Inc. (A)	8,704	44,390
		9,871,690
		84,036,184

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrials – 16.7%		
Aerospace and defense – 1.0%		
AAR Corp. (A)	7,069	\$ 408,305
Aerojet Rocketdyne Holdings, Inc. (A)	16,152	886,260
AeroVironment, Inc. (A)	5,186	530,424
AerSale Corp. (A)	5,421	79,689
Archer Aviation, Inc., Class A (A)	32,873	135,437
Astronics Corp. (A)	5,579	110,799
Cadre Holdings, Inc.	4,130	90,034
Ducommun, Inc. (A)	2,342	102,041
Eve Holding, Inc. (A)(B)	4,018	42,109
Kaman Corp.	5,948	144,715
Kratos Defense & Security Solutions, Inc. (A)	26,173	375,321
Leonardo DRS, Inc. (A)(B)	10,505	182,157
Moog, Inc., Class A	5,803	629,219
National Presto Industries, Inc.	1,060	77,592
Park Aerospace Corp.	4,551	62,804
Parsons Corp. (A)	8,395	404,135
Rocket Lab USA, Inc. (A)	58,371	350,226
Triumph Group, Inc. (A)	13,459	166,488
V2X, Inc. (A)	2,423	120,084
Virgin Galactic Holdings, Inc. (A)	52,817	204,930
		5,102,769
Air freight and logistics – 0.3%		
Air Transport Services Group, Inc. (A)	11,800	222,666
Forward Air Corp.	5,390	571,933
Hub Group, Inc., Class A (A)	6,735	540,955
Radiant Logistics, Inc. (A)	8,887	59,721
		1,395,275
Building products – 1.7%		
AAON, Inc.	9,343	885,810
American Woodmark Corp. (A)	3,554	271,419
Apogee Enterprises, Inc.	4,631	219,834
AZZ, Inc.	5,131	222,993
CSW Industrials, Inc.	3,176	527,819
Gibraltar Industries, Inc. (A)	6,449	405,771
Griffon Corp.	9,118	367,455
Insteel Industries, Inc.	3,991	124,200
Janus International Group, Inc. (A)	17,829	190,057
JELD-WEN Holding, Inc. (A)	17,885	313,703
Masonite International Corp. (A)	4,592	470,404
Masterbrand, Inc. (A)	27,061	314,719
PGT Innovations, Inc. (A)	12,015	350,237
Quanex Building Products Corp.	6,999	187,923
Resideo Technologies, Inc. (A)	30,362	536,193
Simpson Manufacturing Company, Inc.	8,849	1,225,587
UFP Industries, Inc.	12,390	1,202,450
Zurn Elkay Water Solutions Corp.	30,525	820,817
		8,637,391
Commercial services and supplies – 1.5%		
ABM Industries, Inc.	13,580	579,187
ACCO Brands Corp.	19,840	103,366
ACV Auctions, Inc., Class A (A)	26,480	457,310
Aris Water Solutions, Inc., Class A	6,955	71,776
Aurora Innovation, Inc. (A)	65,438	192,388
BrightView Holdings, Inc. (A)	9,396	67,463
Casella Waste Systems, Inc., Class A (A)	11,489	1,039,180
CECO Environmental Corp. (A)	6,628	88,550
Cimpress PLC (A)	3,744	222,693
CoreCivic, Inc. (A)	23,565	221,747
Deluxe Corp.	9,002	157,355
Ennis, Inc.	5,413	110,317
Enviri Corp. (A)	17,248	170,238
Healthcare Services Group, Inc.	15,795	235,819

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
Heritage-Crystal Clean, Inc. (A)	3,409	\$ 128,826
HNI Corp.	9,675	272,642
Interface, Inc.	13,619	119,711
Li-Cycle Holdings Corp. (A)(B)	29,577	164,152
Liquidity Services, Inc. (A)	5,358	88,407
Matthews International Corp., Class A	6,186	263,647
MillerKnoll, Inc.	16,128	238,372
Montrose Environmental Group, Inc. (A)	5,899	248,466
OPENLANE, Inc. (A)	22,424	341,293
Performant Financial Corp. (A)	15,655	42,269
Pitney Bowes, Inc.	37,095	131,316
SP Plus Corp. (A)	4,120	161,133
Steelcase, Inc., Class A	19,007	146,544
The Brink's Company	9,547	647,573
The GEO Group, Inc. (A)	23,993	171,790
UniFirst Corp.	3,067	475,416
Viad Corp. (A)	4,456	119,777
VSE Corp.	2,326	127,209
		7,605,932
Construction and engineering – 1.4%		
Ameresco, Inc., Class A (A)	6,711	326,356
API Group Corp. (A)	43,378	1,182,484
Arcosa, Inc.	9,987	756,715
Argan, Inc.	2,694	106,171
Bowman Consulting Group, Ltd. (A)	2,311	73,675
Comfort Systems USA, Inc.	7,303	1,199,153
Concrete Pumping Holdings, Inc. (A)	6,125	49,184
Construction Partners, Inc., Class A (A)	8,479	266,156
Dycom Industries, Inc. (A)	5,900	670,535
Fluor Corp. (A)	29,567	875,183
Granite Construction, Inc.	9,047	359,890
Great Lakes Dredge & Dock Corp. (A)	14,555	118,769
IES Holdings, Inc. (A)	1,802	102,498
Limbach Holdings, Inc. (A)	2,212	54,703
MYR Group, Inc. (A)	3,413	472,154
Northwest Pipe Company (A)	2,307	69,764
Primoris Services Corp.	10,981	334,591
Sterling Infrastructure, Inc. (A)	6,217	346,909
Tutor Perini Corp. (A)	9,966	71,257
		7,436,147
Electrical equipment – 1.6%		
374Water, Inc. (A)	13,926	33,283
Allied Motion Technologies, Inc.	3,112	124,293
Array Technologies, Inc. (A)	31,520	712,352
Atkore, Inc. (A)	8,176	1,274,965
Babcock & Wilcox Enterprises, Inc. (A)	12,727	75,089
Blink Charging Company (A)(B)	10,486	62,811
Bloom Energy Corp., Class A (A)	40,020	654,327
Encore Wire Corp.	3,454	642,202
Energy Vault Holdings, Inc. (A)(B)	22,876	62,451
EnerSys	8,500	922,420
Enovix Corp. (A)(B)	28,505	514,230
Eos Energy Enterprises, Inc. (A)	23,232	100,827
Fluence Energy, Inc. (A)(B)	8,257	219,966
FTC Solar, Inc. (A)(B)	14,832	47,759
FuelCell Energy, Inc. (A)(B)	87,030	187,985
GrafTech International, Ltd.	40,843	205,849
LSI Industries, Inc.	6,029	75,724
NEXTracker, Inc., Class A (A)	6,400	254,784
NuScale Power Corp. (A)	11,863	80,668
Powell Industries, Inc.	1,943	117,726
Preformed Line Products Company	547	85,387
SES AI Corp. (A)	29,307	71,509
Shoals Technologies Group, Inc., Class A (A)	35,609	910,166

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Stem, Inc. (A)(B)	30,154	\$ 172,481
SunPower Corp. (A)(B)	18,297	179,311
Thermon Group Holdings, Inc. (A)	7,202	191,573
TPI Composites, Inc. (A)	9,324	96,690
Vicor Corp. (A)	4,681	252,774
		8,329,602
Ground transportation – 0.5%		
ArcBest Corp.	4,979	491,925
Covenant Logistics Group, Inc.	1,867	81,831
Daseke, Inc. (A)	9,248	65,938
FTAI Infrastructure, Inc.	23,466	86,590
Heartland Express, Inc.	9,685	158,931
Marten Transport, Ltd.	11,807	253,851
PAM Transportation Services, Inc. (A)	1,521	40,717
RXO, Inc. (A)	24,083	545,962
TuSimple Holdings, Inc., Class A (A)	36,896	61,247
U.S. Xpress Enterprises, Inc., Class A (A)	7,018	43,091
Universal Logistics Holdings, Inc.	1,469	42,322
Werner Enterprises, Inc.	12,877	568,906
		2,441,311
Industrial conglomerates – 0.0%		
Brookfield Business Corp., Class A	5,440	102,707
Machinery – 3.6%		
3D Systems Corp. (A)	26,824	266,362
Alamo Group, Inc.	2,062	379,222
Albany International Corp., Class A	6,492	605,574
Astec Industries, Inc.	4,873	221,429
Barnes Group, Inc.	10,019	422,702
Blue Bird Corp. (A)	3,866	86,908
Chart Industries, Inc. (A)	8,730	1,394,967
CIRCOR International, Inc. (A)	3,842	216,881
Columbus McKinnon Corp.	5,878	238,941
Commercial Vehicle Group, Inc. (A)	7,280	80,808
Desktop Metal, Inc., Class A (A)	60,154	106,473
Douglas Dynamics, Inc.	4,862	145,277
Energy Recovery, Inc. (A)	11,622	324,835
Enerpac Tool Group Corp.	11,850	319,950
EnPro Industries, Inc.	4,313	575,915
ESCO Technologies, Inc.	5,254	544,472
Federal Signal Corp.	12,326	789,234
Franklin Electric Company, Inc.	9,495	977,036
Gencor Industries, Inc. (A)	2,569	40,025
Helios Technologies, Inc.	6,828	451,263
Hillenbrand, Inc.	14,223	729,355
Hillman Solutions Corp. (A)	36,277	326,856
Hyliion Holdings Corp. (A)(B)	34,138	57,010
Hyster-Yale Materials Handling, Inc.	2,309	128,935
John Bean Technologies Corp.	6,565	796,335
Kadant, Inc.	2,391	531,041
Kennametal, Inc.	16,568	470,366
Lindsay Corp.	2,270	270,902
Luxfer Holdings PLC	6,350	90,361
Mayville Engineering Company, Inc. (A)	2,786	34,714
Miller Industries, Inc.	2,440	86,547
Mueller Industries, Inc.	11,535	1,006,775
Mueller Water Products, Inc., Class A	32,015	519,603
Nikola Corp. (A)(B)	126,268	174,250
Omega Flex, Inc.	712	73,891
Park-Ohio Holdings Corp.	2,066	39,254
Proterra, Inc. (A)(B)	52,302	62,762
Proto Labs, Inc. (A)	5,586	195,287
REV Group, Inc.	6,961	92,303
SPX Technologies, Inc. (A)	9,118	774,756
Standex International Corp.	2,392	338,396

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Tennant Company	3,795	\$ 307,812
Terex Corp.	13,808	826,133
The Gorman-Rupp Company	4,908	141,498
The Greenbrier Companies, Inc.	6,522	281,098
The Manitowoc Company, Inc. (A)	7,485	140,943
The Shyft Group, Inc.	7,261	160,178
Titan International, Inc. (A)	11,202	128,599
Trinity Industries, Inc.	16,728	430,077
Velo3D, Inc. (A)(B)	20,462	44,198
Wabash National Corp.	9,750	249,990
Watts Water Technologies, Inc., Class A	5,588	1,026,683
		18,725,182
Marine transportation – 0.3%		
Costamare, Inc.	9,227	89,225
Eagle Bulk Shipping, Inc. (B)	2,846	136,722
Eneti, Inc.	5,627	68,143
Genco Shipping & Trading, Ltd.	8,683	121,822
Golden Ocean Group, Ltd.	25,221	190,419
Himalaya Shipping, Ltd. (A)(B)	6,769	37,636
Matson, Inc.	7,324	569,295
Pangaea Logistics Solutions, Ltd.	8,339	56,455
Safe Bulkers, Inc.	14,910	48,607
		1,318,324
Passenger airlines – 0.5%		
Allegiant Travel Company (A)	3,280	414,198
Blade Air Mobility, Inc. (A)	14,625	57,623
Frontier Group Holdings, Inc. (A)	8,255	79,826
Hawaiian Holdings, Inc. (A)	11,547	124,361
JetBlue Airways Corp. (A)	67,450	597,607
Joby Aviation, Inc. (A)	58,226	597,399
SkyWest, Inc. (A)	9,976	406,223
Spirit Airlines, Inc.	22,397	384,333
Sun Country Airlines Holdings, Inc. (A)	7,971	179,188
		2,840,758
Professional services – 2.3%		
Alight, Inc., Class A (A)	82,253	760,018
ASGN, Inc. (A)	9,944	752,065
Asure Software, Inc. (A)	4,362	53,042
Barrett Business Services, Inc.	1,435	125,132
BlackSky Technology, Inc. (A)	28,482	63,230
CBIZ, Inc. (A)	9,836	524,062
Conduent, Inc. (A)	37,677	128,102
CRA International, Inc.	1,412	144,024
CSG Systems International, Inc.	6,428	339,013
EXL Service Holdings, Inc. (A)	6,671	1,007,721
Exponent, Inc.	10,421	972,488
First Advantage Corp. (A)	11,588	178,571
FiscalNote Holdings, Inc. (A)	14,688	53,464
Forrester Research, Inc. (A)	2,689	78,223
Franklin Covey Company (A)	2,735	119,465
Heidrick & Struggles International, Inc.	4,287	113,477
HireQuest, Inc.	1,424	37,067
Huron Consulting Group, Inc. (A)	3,940	334,545
IBEX Holdings, Ltd. (A)	2,489	52,841
ICF International, Inc.	3,838	477,409
Innodata, Inc. (A)	5,557	62,961
Insperty, Inc.	7,527	895,412
Kelly Services, Inc., Class A	7,085	124,767
Kforce, Inc.	4,019	251,831
Korn Ferry	10,802	535,131
Legalzoom.com, Inc. (A)	21,894	264,480
Maximus, Inc.	12,473	1,054,093
Mistras Group, Inc. (A)	5,027	38,808
NV5 Global, Inc. (A)	2,852	315,916

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Planet Labs PBC (A)	40,655	\$ 130,909
Red Violet, Inc. (A)(B)	2,116	43,526
Resources Connection, Inc.	6,932	108,902
Sterling Check Corp. (A)	5,151	63,151
TriNet Group, Inc. (A)	7,756	736,587
TrueBlue, Inc. (A)	6,580	116,532
TTEC Holdings, Inc.	4,164	140,910
Upwork, Inc. (A)	26,192	244,633
Verra Mobility Corp. (A)	28,886	569,632
Willdan Group, Inc. (A)	3,086	59,128
		12,071,268
Trading companies and distributors – 2.0%		
Alta Equipment Group, Inc.	4,211	72,977
Applied Industrial Technologies, Inc.	7,968	1,154,005
Beacon Roofing Supply, Inc. (A)	10,103	838,347
BlueLinx Holdings, Inc. (A)	1,817	170,398
Boise Cascade Company	8,176	738,702
Custom Truck One Source, Inc. (A)	12,060	81,284
Distribution Solutions Group, Inc. (A)	1,021	53,153
DXP Enterprises, Inc. (A)	3,135	114,145
FTAI Aviation, Ltd.	20,571	651,278
GATX Corp.	7,277	936,841
Global Industrial, Inc.	2,953	82,005
GMS, Inc. (A)	8,610	595,812
H&E Equipment Services, Inc.	6,684	305,793
Herc Holdings, Inc.	5,845	799,888
Hudson Technologies, Inc. (A)	9,774	94,026
McGrath RentCorp	5,091	470,816
MRC Global, Inc. (A)	17,904	180,293
NOW, Inc. (A)	23,021	238,498
Rush Enterprises, Inc., Class A	8,515	517,201
Rush Enterprises, Inc., Class B	1,338	91,064
Textainer Group Holdings, Ltd.	8,736	344,024
Titan Machinery, Inc. (A)	4,390	129,505
Transcat, Inc. (A)	1,571	134,022
Triton International, Ltd.	11,213	933,594
Veritiv Corp.	2,719	341,534
Xometry, Inc., Class A (A)	7,320	155,038
		10,224,243
		86,230,909
Information technology – 13.1%		
Communications equipment – 0.8%		
ADTRAN Holdings, Inc.	16,671	175,546
Aviat Networks, Inc. (A)	2,507	83,659
Calix, Inc. (A)	12,207	609,251
Cambium Networks Corp. (A)	2,878	43,803
Clearfield, Inc. (A)	2,779	131,586
CommScope Holding Company, Inc. (A)	43,742	246,267
Comtech Telecommunications Corp.	6,575	60,096
Digi International, Inc. (A)	7,279	286,720
Extreme Networks, Inc. (A)	26,212	682,823
Harmonic, Inc. (A)	22,932	370,810
Infinera Corp. (A)	41,983	202,778
KVH Industries, Inc. (A)	4,843	44,265
NETGEAR, Inc. (A)	6,439	91,176
NetScout Systems, Inc. (A)	14,046	434,724
Ribbon Communications, Inc. (A)	19,740	55,075
Viavi Solutions, Inc. (A)	46,641	528,443
		4,047,022
Electronic equipment, instruments and components – 2.7%		
908 Devices, Inc. (A)	5,727	39,287
Advanced Energy Industries, Inc.	7,765	865,409
Akoustis Technologies, Inc. (A)(B)	17,177	54,623
Arlo Technologies, Inc. (A)	18,172	198,257

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Badger Meter, Inc.	6,038	\$ 890,967
Bel Fuse, Inc., Class B	2,212	126,991
Belden, Inc.	8,748	836,746
Benchmark Electronics, Inc.	7,242	187,061
Climb Global Solutions, Inc.	993	47,525
CTS Corp.	6,457	275,262
Daktronics, Inc. (A)	8,921	57,094
ePlus, Inc. (A)	5,530	311,339
Evolv Technologies Holdings, Inc. (A)	23,964	143,784
Fabrinet (A)	7,589	985,659
FARO Technologies, Inc. (A)	4,731	76,642
Insight Enterprises, Inc. (A)	5,909	864,723
Iteris, Inc. (A)	10,727	42,479
Itron, Inc. (A)	9,458	681,922
Kimball Electronics, Inc. (A)	5,099	140,885
Knowles Corp. (A)	18,680	337,361
Lightwave Logic, Inc. (A)(B)	24,485	170,660
Luna Innovations, Inc. (A)	7,290	66,485
Methode Electronics, Inc.	7,161	240,037
MicroVision, Inc. (A)(B)	37,445	171,498
Mirion Technologies, Inc. (A)	41,561	351,190
Napco Security Technologies, Inc.	6,572	227,720
nLight, Inc. (A)	9,548	147,230
Novanta, Inc. (A)	7,388	1,360,131
OSI Systems, Inc. (A)	3,273	385,658
PAR Technology Corp. (A)	5,591	184,112
PC Connection, Inc.	2,323	104,767
Plexus Corp. (A)	5,650	555,056
Richardson Electronics, Ltd.	2,872	47,388
Rogers Corp. (A)	3,587	580,843
Sanmina Corp. (A)	11,806	711,548
ScanSource, Inc. (A)	5,259	155,456
SmartRent, Inc. (A)	39,706	152,074
TTM Technologies, Inc. (A)	21,077	292,970
Vishay Intertechnology, Inc.	26,528	779,923
Vishay Precision Group, Inc. (A)	2,693	100,045
		13,948,807
IT services – 0.5%		
BigCommerce Holdings, Inc., Series 1 (A)	14,512	144,394
Brightcove, Inc. (A)	11,168	44,784
DigitalOcean Holdings, Inc. (A)(B)	13,128	526,958
Fastly, Inc., Class A (A)	24,624	388,320
Grid Dynamics Holdings, Inc. (A)	12,075	111,694
Information Services Group, Inc.	8,676	46,503
Perficient, Inc. (A)	7,111	592,560
Squarespace, Inc., Class A (A)	9,249	291,713
The Hackett Group, Inc.	5,349	119,550
Thoughtworks Holding, Inc. (A)	19,472	147,014
Tucows, Inc., Class A (A)(B)	2,224	61,694
Unisys Corp. (A)	15,098	60,090
		2,535,274
Semiconductors and semiconductor equipment – 3.2%		
ACM Research, Inc., Class A (A)	10,269	134,319
Aehr Test Systems (A)	5,395	222,544
Alpha & Omega Semiconductor, Ltd. (A)	4,910	161,048
Ambarella, Inc. (A)	7,583	634,470
Amkor Technology, Inc.	21,206	630,879
Axcelis Technologies, Inc. (A)	6,745	1,236,561
CEVA, Inc. (A)	5,081	129,820
Cohu, Inc. (A)	9,664	401,636
Credo Technology Group Holding, Ltd. (A)	20,372	353,250
Diodes, Inc. (A)	9,341	863,949
FormFactor, Inc. (A)	16,203	554,467
Ichor Holdings, Ltd. (A)	6,042	226,575

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Impinj, Inc. (A)	4,781	\$ 428,617
Indie Semiconductor, Inc., Class A (A)	28,807	270,786
inTEST Corp. (A)	2,435	63,943
Kulicke & Soffa Industries, Inc.	11,465	681,594
MACOM Technology Solutions Holdings, Inc. (A)	11,265	738,195
Maxeon Solar Technologies, Ltd. (A)	5,278	148,628
MaxLinear, Inc. (A)	15,572	491,452
Navitas Semiconductor Corp. (A)	21,492	226,526
NVE Corp.	1,082	105,430
Onto Innovation, Inc. (A)	10,141	1,181,122
PDF Solutions, Inc. (A)	6,366	287,107
Photronics, Inc. (A)	12,716	327,946
Power Integrations, Inc.	11,747	1,112,088
Rambus, Inc. (A)	22,600	1,450,242
Semtech Corp. (A)	13,399	341,139
Silicon Laboratories, Inc. (A)	6,567	1,035,879
SiTime Corp. (A)	3,581	422,451
SMART Global Holdings, Inc. (A)	10,095	292,856
Synaptics, Inc. (A)	8,175	697,982
Ultra Clean Holdings, Inc. (A)	9,234	355,140
Veeco Instruments, Inc. (A)	10,657	273,672
		16,482,313
Software – 5.2%		
8x8, Inc. (A)	24,992	105,716
A10 Networks, Inc.	14,506	211,643
ACI Worldwide, Inc. (A)	22,424	519,564
Adeia, Inc.	22,455	247,230
Agilysys, Inc. (A)	4,157	285,336
Alarm.com Holdings, Inc. (A)	9,930	513,182
Alkami Technology, Inc. (A)	8,292	135,906
Altair Engineering, Inc., Class A (A)	11,123	843,568
American Software, Inc., Class A	7,288	76,597
Amplitude, Inc., Class A (A)	14,514	159,654
Appfolio, Inc., Class A (A)	3,973	683,912
Appian Corp., Class A (A)	8,558	407,361
Applied Digital Corp. (A)	14,367	134,331
Asana, Inc., Class A (A)	16,491	363,462
AvePoint, Inc. (A)	32,167	185,282
Bit Digital, Inc. (A)	15,737	63,892
Blackbaud, Inc. (A)	8,991	639,979
Blackline, Inc. (A)	11,670	628,079
Box, Inc., Class A (A)	29,086	854,547
Braze, Inc., Class A (A)	7,223	316,295
c3.ai, Inc., Class A (A)(B)	12,177	443,608
Cerence, Inc. (A)	8,517	248,952
CleanSpark, Inc. (A)	16,610	71,257
Clear Secure, Inc., Class A	17,317	401,235
CommVault Systems, Inc. (A)	9,219	669,484
Consensus Cloud Solutions, Inc. (A)	4,101	127,131
CoreCard Corp. (A)	1,707	43,290
Couchbase, Inc. (A)	7,233	114,426
Digimarc Corp. (A)(B)	3,186	93,796
Digital Turbine, Inc. (A)	20,068	186,231
Domo, Inc., Class B (A)	6,644	97,401
E2open Parent Holdings, Inc. (A)	41,999	235,194
Ebix, Inc.	5,599	141,095
eGain Corp. (A)	5,421	40,603
Enfusion, Inc., Class A (A)	5,715	64,122
EngageSmart, Inc. (A)	10,121	193,210
Envestnet, Inc. (A)	10,386	616,409
Everbridge, Inc. (A)	8,555	230,130
EverCommerce, Inc. (A)	4,958	58,703
Expensify, Inc., Class A (A)	12,283	98,018
ForgeRock, Inc., Class A (A)	9,804	201,374

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Freshworks, Inc., Class A (A)	33,746	\$ 593,255
Instructure Holdings, Inc. (A)	4,002	100,690
Intapp, Inc. (A)	3,266	136,878
InterDigital, Inc.	5,608	541,452
Jamf Holding Corp. (A)	14,543	283,879
Kaltura, Inc. (A)	20,959	44,433
LivePerson, Inc. (A)	14,490	65,495
LiveRamp Holdings, Inc. (A)	13,266	378,877
Marathon Digital Holdings, Inc. (A)(B)	34,970	484,684
Matterport, Inc. (A)	53,805	169,486
MeridianLink, Inc. (A)	5,491	114,213
MicroStrategy, Inc., Class A (A)(B)	2,288	783,457
Mitek Systems, Inc. (A)	9,261	100,389
Model N, Inc. (A)	7,687	271,812
N-able, Inc. (A)	14,580	210,098
NextNav, Inc. (A)	13,909	40,892
Olo, Inc., Class A (A)	21,990	142,055
ON24, Inc.	7,347	59,658
OneSpan, Inc. (A)	8,565	127,105
PagerDuty, Inc. (A)	17,656	396,907
PowerSchool Holdings, Inc., Class A (A)	11,636	222,713
Progress Software Corp.	8,914	517,903
PROS Holdings, Inc. (A)	9,276	285,701
Q2 Holdings, Inc. (A)	11,901	367,741
Qualys, Inc. (A)	7,672	990,992
Rapid7, Inc. (A)	12,456	564,008
Rimini Street, Inc. (A)	11,877	56,891
Riot Platforms, Inc. (A)	33,253	393,050
Sapiens International Corp. NV	6,312	167,899
SEMrush Holdings, Inc., Class A (A)	6,870	65,746
SolarWinds Corp. (A)	10,715	109,936
SoundHound AI, Inc., Class A (A)	29,524	134,334
SoundThinking, Inc. (A)	2,149	46,977
Sprinklr, Inc., Class A (A)	18,076	249,991
Sprout Social, Inc., Class A (A)	9,926	458,184
SPS Commerce, Inc. (A)	7,584	1,456,583
Tenable Holdings, Inc. (A)	23,664	1,030,567
Varonis Systems, Inc. (A)	22,553	601,037
Verint Systems, Inc. (A)	13,009	456,096
Weave Communications, Inc. (A)	7,484	83,147
Workiva, Inc. (A)	10,102	1,026,969
Xperi, Inc. (A)	9,245	121,572
Yext, Inc. (A)	22,323	252,473
Zeta Global Holdings Corp., Class A (A)	28,020	239,291
Zuora, Inc., Class A (A)	25,789	282,905
		26,979,626
Technology hardware, storage and peripherals – 0.7%		
Avid Technology, Inc. (A)	7,100	181,050
Corsair Gaming, Inc. (A)	7,804	138,443
Eastman Kodak Company (A)	12,599	58,207
Immersion Corp. (A)	7,191	50,912
IonQ, Inc. (A)	33,492	453,147
Super Micro Computer, Inc. (A)	9,600	2,392,780
Xerox Holdings Corp.	23,465	349,394
		3,623,933
		67,616,975
Materials – 4.4%		
Chemicals – 2.0%		
AdvanSix, Inc.	5,467	191,236
American Vanguard Corp.	5,975	106,773
Amyris, Inc. (A)(B)	51,101	52,634
Aspen Aerogels, Inc. (A)	11,369	89,701
Avient Corp.	18,678	763,930
Balchem Corp.	6,598	889,476

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Cabot Corp.	11,401	\$ 762,613
Chase Corp.	1,551	188,012
Core Molding Technologies, Inc. (A)	1,902	43,271
Danimer Scientific, Inc. (A)(B)	19,980	47,552
Diversey Holdings, Ltd. (A)	16,743	140,474
Ecovyst, Inc. (A)	19,659	225,292
FutureFuel Corp.	6,483	57,375
Hawkins, Inc.	4,033	192,334
HB Fuller Company	11,097	793,546
Ingevity Corp. (A)	7,788	452,950
Innospec, Inc.	5,127	514,956
Intrepid Potash, Inc. (A)	2,529	57,383
Koppers Holdings, Inc.	4,287	146,187
Kronos Worldwide, Inc.	5,417	47,290
Livent Corp. (A)	37,369	1,025,032
LSB Industries, Inc. (A)	11,745	115,688
Mativ Holdings, Inc.	11,339	171,446
Minerals Technologies, Inc.	6,713	387,273
Origin Materials, Inc. (A)(B)	23,873	101,699
Orion SA	11,575	245,622
Perimeter Solutions SA (A)	33,345	205,072
PureCycle Technologies, Inc. (A)(B)	24,713	264,182
Quaker Chemical Corp.	2,865	558,389
Rayonier Advanced Materials, Inc. (A)	14,217	60,849
Sensient Technologies Corp.	8,599	611,647
Stepan Company	4,349	415,590
Trinseo PLC	7,749	98,180
Tronox Holdings PLC	24,270	308,472
		10,332,126
Construction materials – 0.3%		
Knife River Corp. (A)	10,683	464,711
Summit Materials, Inc., Class A (A)	24,702	934,971
United States Lime & Minerals, Inc.	444	92,747
		1,492,429
Containers and packaging – 0.3%		
Greif, Inc., Class A	4,823	332,256
Greif, Inc., Class B	1,137	87,833
Myers Industries, Inc.	7,863	152,778
O-I Glass, Inc. (A)	32,043	683,477
Pactiv Evergreen, Inc.	8,739	66,154
Ranpak Holdings Corp. (A)	10,809	48,857
TriMas Corp.	8,560	235,314
		1,606,669
Metals and mining – 1.7%		
1911 Gold Corp. (A)	5,045	333
Alpha Metallurgical Resources, Inc.	2,655	436,376
Arconic Corp. (A)	20,531	607,307
ATI, Inc. (A)	26,686	1,180,322
Caledonia Mining Corp. PLC	4,594	53,382
Carpenter Technology Corp.	10,040	563,545
Century Aluminum Company (A)	11,628	101,396
Coeur Mining, Inc. (A)	67,704	192,279
Commercial Metals Company	24,126	1,270,475
Compass Minerals International, Inc.	7,256	246,704
Constellium SE (A)	26,348	453,186
Haynes International, Inc.	2,715	137,976
Hecla Mining Company	125,040	643,956
i-80 Gold Corp. (A)(B)	44,291	99,655
Ivanhoe Electric, Inc. (A)	11,809	153,989
Kaiser Aluminum Corp.	3,357	240,495
Materion Corp.	4,269	487,520
Novagold Resources, Inc. (A)	51,384	205,022
Olympic Steel, Inc.	2,192	107,408
Pan American Silver Corp., CVR (A)	88,114	44,947

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Perpetua Resources Corp. (A)	10,456	\$ 38,374
Piedmont Lithium, Inc. (A)	3,740	215,835
Ramaco Resources, Inc. (A)	5,458	46,066
Ramaco Resources, Inc., Class B (A)	971	10,304
Ryerson Holding Corp.	4,643	201,413
Schnitzer Steel Industries, Inc., Class A	5,494	164,765
SunCoke Energy, Inc.	17,383	136,804
TimkenSteel Corp. (A)	9,066	195,554
Warrior Met Coal, Inc.	10,398	405,002
Worthington Industries, Inc.	6,350	441,135
		9,081,525
Paper and forest products – 0.1%		
Clearwater Paper Corp. (A)	3,597	112,658
Resolute Forest Products, Inc. (A)(C)	9,238	13,118
Sylvamo Corp.	7,425	300,341
		426,117
		22,938,866
Real estate – 5.9%		
Diversified REITs – 0.6%		
Alexander & Baldwin, Inc.	14,989	278,496
Alpine Income Property Trust, Inc.	3,373	54,811
American Assets Trust, Inc.	10,308	197,914
Armada Hoffer Properties, Inc.	14,483	169,161
Broadstone Net Lease, Inc.	38,715	597,760
CTO Realty Growth, Inc.	4,914	84,226
Empire State Realty Trust, Inc., Class A	27,866	208,716
Essential Properties Realty Trust, Inc.	30,583	719,924
Gladstone Commercial Corp.	9,178	113,532
Global Net Lease, Inc.	21,439	220,393
NexPoint Diversified Real Estate Trust	7,033	88,053
One Liberty Properties, Inc.	3,969	80,650
Star Holdings (A)	3,351	49,159
		2,862,795
Health care REITs – 0.6%		
CareTrust REIT, Inc.	20,685	410,804
Community Healthcare Trust, Inc.	5,342	176,393
Diversified Healthcare Trust	51,544	115,974
Global Medical REIT, Inc.	13,290	121,338
LTC Properties, Inc.	8,217	271,325
National Health Investors, Inc.	8,520	446,618
Physicians Realty Trust	48,840	683,272
Sabra Health Care REIT, Inc.	47,436	558,322
Universal Health Realty Income Trust	2,778	132,177
		2,916,223
Hotel and resort REITs – 0.8%		
Apple Hospitality REIT, Inc.	43,956	664,175
Braemar Hotels & Resorts, Inc.	16,191	65,088
Chatham Lodging Trust	11,206	104,888
DiamondRock Hospitality Company	44,145	353,601
Hersha Hospitality Trust, Class A	8,080	49,207
Pebblebrook Hotel Trust	25,233	351,748
RLJ Lodging Trust	32,842	337,287
Ryman Hospitality Properties, Inc.	11,912	1,106,863
Service Properties Trust	34,249	297,624
Summit Hotel Properties, Inc.	22,701	147,784
Sunstone Hotel Investors, Inc.	42,748	432,610
Xenia Hotels & Resorts, Inc.	23,277	286,540
		4,197,415
Industrial REITs – 0.4%		
Innovative Industrial Properties, Inc.	5,815	424,553
LXP Industrial Trust	59,518	580,301
Plymouth Industrial REIT, Inc.	9,119	209,919

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrial REITs (continued)		
Terreno Realty Corp.	16,741	\$ 1,006,134
		2,220,907
Office REITs – 0.7%		
Brandywine Realty Trust	36,406	169,288
City Office REIT, Inc.	9,847	54,848
Corporate Office Properties Trust	23,080	548,150
Douglas Emmett, Inc.	35,341	444,236
Easterly Government Properties, Inc.	18,640	270,280
Equity Commonwealth	21,111	427,709
Hudson Pacific Properties, Inc.	29,208	123,258
JBG SMITH Properties	23,128	347,845
Office Properties Income Trust	10,792	83,098
Orion Office REIT, Inc.	13,594	89,856
Paramount Group, Inc.	38,539	170,728
Peakstone Realty Trust	5,945	165,984
Piedmont Office Realty Trust, Inc., Class A	25,709	186,904
Postal Realty Trust, Inc., Class A	4,872	71,667
SL Green Realty Corp.	13,682	411,144
		3,564,995
Real estate management and development – 0.7%		
Anywhere Real Estate, Inc. (A)	22,778	152,157
Compass, Inc., Class A (A)	62,994	220,479
Cushman & Wakefield PLC (A)	34,695	283,805
DigitalBridge Group, Inc.	33,951	499,419
Douglas Elliman, Inc.	21,109	46,863
eXp World Holdings, Inc. (B)	14,492	293,898
Forestar Group, Inc. (A)	3,826	86,276
FRP Holdings, Inc. (A)	1,575	90,673
Kennedy-Wilson Holdings, Inc.	24,567	401,179
Marcus & Millichap, Inc.	5,040	158,810
Newmark Group, Inc., Class A	28,661	178,271
Opendoor Technologies, Inc. (A)	113,726	457,179
RE/MAX Holdings, Inc., Class A	3,703	71,320
Redfin Corp. (A)(B)	22,320	277,214
Tejon Ranch Company (A)	4,710	81,059
The RMR Group, Inc., Class A	3,503	81,165
The St. Joe Company	7,168	346,501
		3,726,268
Residential REITs – 0.4%		
Apartment Investment and Management Company, Class A		
BRT Apartments Corp.	30,800	262,416
Centerspace	3,021	59,816
Elme Communities	3,157	193,714
Independence Realty Trust, Inc.	18,297	300,803
NexPoint Residential Trust, Inc.	46,454	846,392
UMH Properties, Inc.	4,839	220,078
Veris Residential, Inc. (A)	11,717	187,238
	16,420	263,541
		2,333,998
Retail REITs – 1.2%		
Acadia Realty Trust	19,527	280,994
Alexander's, Inc.	440	80,898
CBL & Associates Properties, Inc.	5,644	124,394
Getty Realty Corp.	9,005	304,549
InvenTrust Properties Corp.	14,131	326,991
Kite Realty Group Trust	44,859	1,002,150
Necessity Retail REIT, Inc.	28,532	192,876
NETSTREIT Corp.	12,538	224,054
Phillips Edison & Company, Inc.	24,336	829,371
Retail Opportunity Investments Corp.	25,813	348,734
RPT Realty	18,271	190,932
Saul Centers, Inc.	2,600	95,758
SITE Centers Corp.	39,400	520,868

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Retail REITs (continued)		
Tanger Factory Outlet Centers, Inc.	21,133	\$ 466,405
The Macerich Company	45,119	508,491
Urban Edge Properties	23,768	366,740
Urstadt Biddle Properties, Inc., Class A	6,150	130,749
Whitestone REIT	11,097	107,641
		6,102,595
Specialized REITs – 0.5%		
Farmland Partners, Inc.	10,866	132,674
Four Corners Property Trust, Inc.	17,618	447,497
Gladstone Land Corp.	7,625	124,059
Outfront Media, Inc.	30,591	480,891
PotlatchDeltic Corp.	16,297	861,296
Safehold, Inc.	6,353	150,757
Uniti Group, Inc.	50,520	233,402
		2,430,576
		30,355,772
Utilities – 2.9%		
Electric utilities – 0.7%		
ALLETE, Inc.	11,799	683,988
Genie Energy, Ltd., B Shares	4,655	65,822
MGE Energy, Inc.	7,642	604,559
Otter Tail Corp.	8,494	670,686
PNM Resources, Inc.	17,395	784,515
Portland General Electric Company	19,756	925,173
		3,734,743
Gas utilities – 1.0%		
Brookfield Infrastructure Corp., Class A	20,381	928,966
Chesapeake Utilities Corp.	3,556	423,164
New Jersey Resources Corp.	19,958	942,018
Northwest Natural Holding Company	7,480	322,014
ONE Gas, Inc.	11,267	865,418
RGC Resources, Inc.	2,300	46,069
Southwest Gas Holdings, Inc.	12,613	802,817
Spire, Inc.	10,372	658,000
		4,988,466
Independent power and renewable electricity producers – 0.3%		
Altus Power, Inc. (A)	14,321	77,333
Montauk Renewables, Inc. (A)	14,986	111,496
Ormat Technologies, Inc.	10,953	881,278
Sunnova Energy International, Inc. (A)(B)	21,028	385,023
		1,455,130
Multi-utilities – 0.4%		
Avista Corp.	15,435	606,132
Black Hills Corp.	13,574	817,969
NorthWestern Corp.	12,234	694,402

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	228	Long	Sep 2023	\$21,667,973	\$21,702,180	\$34,207
						\$34,207

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multi-utilities (continued)		
Unitil Corp.	3,308	\$ 167,749
		2,286,252
Water utilities – 0.5%		
American States Water Company	7,601	661,287
Artesian Resources Corp., Class A	1,982	93,590
Cadiz, Inc. (A)	10,212	41,461
California Water Service Group	11,569	597,307
Consolidated Water Company, Ltd.	3,818	92,510
Global Water Resources, Inc.	3,892	49,351
Middlesex Water Company	3,638	293,441
Pure Cycle Corp. (A)	5,271	57,981
SJW Group	6,356	445,619
The York Water Company	3,363	138,791
		2,471,338
		14,935,929
TOTAL COMMON STOCKS (Cost \$434,867,014)		\$ 496,091,024
WARRANTS – 0.0%		
Nabors Industries, Ltd. (Expiration		
Date: 6-11-26; Strike Price:		
\$166.67) (A)	668	7,682
Triumph Group, Inc. (Expiration		
Date: 12-5-27; Strike Price: \$12.35) (A)		
	4,026	323
TOTAL WARRANTS (Cost \$0)		\$ 8,005
SHORT-TERM INVESTMENTS – 5.5%		
Short-term funds – 5.5%		
John Hancock Collateral Trust,		
5.1773% (D)(E)	2,854,500	28,530,158
TOTAL SHORT-TERM INVESTMENTS (Cost \$28,533,821)		\$ 28,530,158
Total Investments (Small Cap Index Trust)		
(Cost \$463,400,835) – 101.4%		\$ 524,629,187
Other assets and liabilities, net – (1.4%)		(7,262,525)
TOTAL NET ASSETS – 100.0%		\$ 517,366,662

Security Abbreviations and Legend

CVR	Contingent Value Right
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(D)	The rate shown is the annualized seven-day yield as of 6-30-23.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$9,565,275.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.9%		
Communication services – 2.0%		
Diversified telecommunication services – 0.2%		
ATN International, Inc.	1,281	\$ 46,885
Bandwidth, Inc., Class A (A)	831	11,368
Communications Systems, Inc. (A)(B)	450	1,989
Consolidated Communications Holdings, Inc. (A)	4,985	19,093
EchoStar Corp., Class A (A)	4,430	76,816
Frontier Communications Parent, Inc. (A)	3,137	58,474
GCI Liberty, Inc. (A)(B)	4,508	0
Liberty Latin America, Ltd., Class A (A)	4,204	36,785
Liberty Latin America, Ltd., Class C (A)	11,346	97,803
Lumen Technologies, Inc.	22,539	50,938
		400,151
Entertainment – 0.2%		
FG Group Holdings, Inc. (A)	1,114	2,139
Lions Gate Entertainment Corp., Class A (A)	5,809	51,293
Lions Gate Entertainment Corp., Class B (A)	9,367	78,214
Madison Square Garden Entertainment Corp. (A)	1,748	58,768
Reading International, Inc., Class A (A)	1,100	2,915
Sphere Entertainment Company (A)	1,748	47,878
The Marcus Corp.	2,916	43,244
		284,451
Interactive media and services – 0.3%		
Bumble, Inc., Class A (A)	4,155	69,721
Cars.com, Inc. (A)	5,579	110,576
DHI Group, Inc. (A)	5,212	19,962
QuinStreet, Inc. (A)	1,887	16,662
TrueCar, Inc. (A)	8,052	18,198
Yelp, Inc. (A)	2,091	76,133
Ziff Davis, Inc. (A)	1,371	96,052
		407,304
Media – 1.2%		
AMC Networks, Inc., Class A (A)	2,542	30,377
Boston Omaha Corp., Class A (A)	2,031	38,223
Cable One, Inc.	45	29,569
comScore, Inc. (A)	2,845	2,304
Cumulus Media, Inc., Class A (A)	1,193	4,891
Daily Journal Corp. (A)	41	11,860
DallasNews Corp.	1,059	4,120
DISH Network Corp., Class A (A)	1,108	7,302
Entravision Communications Corp., Class A	5,075	22,279
Fluent, Inc. (A)	5,600	3,508
Gannett Company, Inc. (A)	12,679	28,528
Gray Television, Inc.	6,546	51,582
iHeartMedia, Inc., Class A (A)	2,266	8,248
Integral Ad Science Holding Corp. (A)	2,369	42,595
John Wiley & Sons, Inc., Class A	2,970	101,069
Liberty Media Corp.-Liberty SiriusXM, Series A (A)	379	12,435
Liberty Media Corp.-Liberty SiriusXM, Series C (A)	356	11,652
Magnite, Inc. (A)	5,549	75,744
News Corp., Class A	20,011	390,215
News Corp., Class B	10,611	209,249
Nexstar Media Group, Inc.	1,995	332,267
PubMatic, Inc., Class A (A)	1,596	29,175
Scholastic Corp.	2,790	108,503
Sinclair, Inc.	1,410	19,486
TEGNA, Inc.	8,149	132,340
The EW Scripps Company, Class A (A)	5,843	53,463

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
Thryv Holdings, Inc. (A)	2,842	\$ 69,913
Urban One, Inc. (A)	3,100	18,600
WideOpenWest, Inc. (A)	1,042	8,794
		1,858,291
Wireless telecommunication services – 0.1%		
Shenandoah Telecommunications Company	3,663	71,172
Spok Holdings, Inc.	2,056	27,324
Telephone & Data Systems, Inc.	7,131	58,688
United States Cellular Corp. (A)	2,963	52,238
		209,422
		3,159,619
Consumer discretionary – 15.0%		
Automobile components – 2.5%		
Adient PLC (A)	6,695	256,552
American Axle & Manufacturing Holdings, Inc. (A)	9,766	80,765
Autoliv, Inc.	1,816	154,433
BorgWarner, Inc.	15,544	760,257
Cooper-Standard Holdings, Inc. (A)	1,311	18,695
Dana, Inc.	12,211	207,587
Dorman Products, Inc. (A)	6,133	483,464
Fox Factory Holding Corp. (A)	9,111	988,635
LCI Industries	1,659	209,631
Lear Corp.	1,143	164,078
Modine Manufacturing Company (A)	4,925	162,624
Motorcar Parts of America, Inc. (A)	1,585	12,268
Patrick Industries, Inc.	1,685	134,800
Standard Motor Products, Inc.	1,901	71,326
Stoneridge, Inc. (A)	1,672	31,517
Strattec Security Corp. (A)	924	16,817
The Goodyear Tire & Rubber Company (A)	22,263	304,558
		4,058,007
Automobiles – 0.4%		
Harley-Davidson, Inc.	7,189	253,125
Thor Industries, Inc.	2,658	275,103
Winnebago Industries, Inc.	2,220	148,052
		676,280
Broadline retail – 0.6%		
Big Lots, Inc.	2,901	25,616
Dillard's, Inc., Class A (C)	1,303	425,143
Kohl's Corp.	8,128	187,350
Macy's, Inc.	16,917	271,518
		909,627
Distributors – 0.0%		
Weyco Group, Inc.	1,316	35,124
Diversified consumer services – 1.2%		
2U, Inc. (A)	2,844	11,461
ADT, Inc.	10,644	64,183
Adtalem Global Education, Inc. (A)	4,671	160,402
American Public Education, Inc. (A)	1,450	6,873
Chegg, Inc. (A)	7,137	63,377
Graham Holdings Company, Class B	347	198,304
Grand Canyon Education, Inc. (A)	8,474	874,602
Laureate Education, Inc.	10,639	128,626
Lincoln Educational Services Corp. (A)	1,100	7,414
Perdoceo Education Corp. (A)	5,378	65,988
Strategic Education, Inc.	1,856	125,911
Stride, Inc. (A)	2,888	107,520

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified consumer services (continued)		
Universal Technical Institute, Inc. (A)	3,087	\$ 21,331
		1,835,992
Hotels, restaurants and leisure – 1.2%		
Ark Restaurants Corp.	64	1,184
Bally's Corp. (A)	600	9,336
Biglari Holdings, Inc., Class A (A)	3	2,850
Biglari Holdings, Inc., Class B (A)	102	20,108
BJ's Restaurants, Inc. (A)	1,781	56,636
Carrols Restaurant Group, Inc. (A)	1,688	8,508
Chuy's Holdings, Inc. (A)	21,492	877,303
Fiesta Restaurant Group, Inc. (A)	2,613	22,916
Krispy Kreme, Inc.	1,348	10,703
Marriott Vacations Worldwide Corp.	29,225	430,484
Monarch Casino & Resort, Inc.	676	82,959
Penn Entertainment, Inc. (A)	1,074	75,663
Playa Hotels & Resorts NV (A)	5,399	129,738
RCI Hospitality Holdings, Inc.	13,271	108,026
	396	30,092
		1,866,506
Household durables – 3.9%		
Bassett Furniture Industries, Inc.	1,234	18,559
Beazer Homes USA, Inc. (A)	3,089	87,388
Cavco Industries, Inc. (A)	882	260,190
Century Communities, Inc.	3,320	254,378
Ethan Allen Interiors, Inc.	2,768	78,279
Flexsteel Industries, Inc.	1,118	22,036
GoPro, Inc., Class A (A)	10,155	42,042
Green Brick Partners, Inc. (A)	2,414	137,115
Helen of Troy, Ltd. (A)	1,240	133,945
Hooker Furnishings Corp.	1,821	33,980
Hovnanian Enterprises, Inc., Class A (A)	292	28,969
KB Home	6,043	312,484
La-Z-Boy, Inc.	3,404	97,491
Legacy Housing Corp. (A)	1,185	27,480
LGI Homes, Inc. (A)	1,611	217,308
Lifetime Brands, Inc.	2,931	16,560
M/I Homes, Inc. (A)	2,195	191,382
MDC Holdings, Inc.	5,709	267,010
Meritage Homes Corp.	2,251	320,250
Mohawk Industries, Inc. (A)	3,620	373,439
Newell Brands, Inc.	15,347	133,519
PulteGroup, Inc.	12,401	963,310
Taylor Morrison Home Corp. (A)	7,865	383,576
Toll Brothers, Inc.	8,961	708,546
TopBuild Corp. (A)	2,881	766,404
Tri Pointe Homes, Inc. (A)	9,765	320,878
Universal Electronics, Inc. (A)	745	7,167
VOXX International Corp. (A)	3,131	39,075
		6,242,760
Leisure products – 0.5%		
Acushnet Holdings Corp.	750	41,010
American Outdoor Brands, Inc. (A)	1,873	16,258
AMMO, Inc. (A)	4,648	9,900
Brunswick Corp.	1,132	98,076
Escalade, Inc.	2,724	36,365
Funko, Inc., Class A (A)	2,763	29,896
Johnson Outdoors, Inc., Class A	934	57,394
Malibu Boats, Inc., Class A (A)	1,146	67,224
Nautilus, Inc. (A)	1,580	1,928
Smith & Wesson Brands, Inc.	4,844	63,166
Solo Brands, Inc., Class A (A)	2,350	13,301
Topgolf Callaway Brands Corp. (A)	10,265	203,760

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Leisure products (continued)		
Vista Outdoor, Inc. (A)	4,101	\$ 113,475
		751,753
Specialty retail – 3.9%		
1-800-Flowers.com, Inc., Class A (A)	3,196	24,929
Abercrombie & Fitch Company, Class A (A)	5,783	217,903
Academy Sports & Outdoors, Inc.	4,313	233,118
American Eagle Outfitters, Inc.	16,951	200,022
America's Car-Mart, Inc. (A)	465	46,398
Asbury Automotive Group, Inc. (A)	1,219	293,072
AutoNation, Inc. (A)	2,902	477,698
Barnes & Noble Education, Inc. (A)	4,024	5,070
Big 5 Sporting Goods Corp. (C)	2,004	18,357
Boot Barn Holdings, Inc. (A)	574	48,612
Build-A-Bear Workshop, Inc.	2,470	52,907
Caleres, Inc.	1,779	42,571
Chico's FAS, Inc. (A)	10,969	58,684
Citi Trends, Inc. (A)	367	6,481
Conn's, Inc. (A)	2,177	8,055
Designer Brands, Inc., Class A (C)	2,923	29,522
Destination XL Group, Inc. (A)	2,471	12,108
Duluth Holdings, Inc., Class B (A)	1,106	6,946
Foot Locker, Inc.	6,590	178,655
Genesco, Inc. (A)	1,311	32,827
Group 1 Automotive, Inc.	1,465	378,117
GrowGeneration Corp. (A)	2,529	8,599
Guess?, Inc.	5,350	104,058
Haverty Furniture Companies, Inc.	1,613	48,745
Hibbett, Inc.	1,098	39,846
Lands' End, Inc. (A)	2,354	18,267
Lithia Motors, Inc.	3,879	1,179,643
LL Flooring Holdings, Inc. (A)	1,480	5,668
MarineMax, Inc. (A)	2,016	68,867
Monro, Inc.	1,908	77,522
National Vision Holdings, Inc. (A)	827	20,088
Penske Automotive Group, Inc.	4,213	702,012
Petco Health & Wellness Company, Inc. (A)	1,412	12,567
PetMed Express, Inc.	654	9,019
Revolve Group, Inc. (A)	20,905	342,842
Shoe Carnival, Inc.	2,304	54,098
Signet Jewelers, Ltd.	3,675	239,831
Sonic Automotive, Inc., Class A	1,892	90,192
Sportsman's Warehouse Holdings, Inc. (A)	3,273	18,656
Stitch Fix, Inc., Class A (A)	3,724	14,337
The Aaron's Company, Inc.	1,356	19,174
The Cato Corp., Class A	1,957	15,715
The Children's Place, Inc. (A)	930	21,585
The Container Store Group, Inc. (A)	3,997	12,551
The Gap, Inc.	25,898	231,269
The ODP Corp. (A)	3,276	153,382
Tilly's, Inc., Class A (A)	712	4,991
Upbound Group, Inc.	3,270	101,795
Urban Outfitters, Inc. (A)	7,018	232,506
Zumiez, Inc. (A)	1,822	30,355
		6,250,232
Textiles, apparel and luxury goods – 0.8%		
Capri Holdings, Ltd. (A)	2,090	75,010
Culp, Inc. (A)	334	1,660
Delta Apparel, Inc. (A)	500	5,240
Fossil Group, Inc. (A)	3,231	8,304
G-III Apparel Group, Ltd. (A)	3,404	65,595
Lakeland Industries, Inc.	1,110	15,973
Movado Group, Inc.	1,758	47,167
Oxford Industries, Inc.	5,183	510,111

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Textiles, apparel and luxury goods (continued)		
Peace Mark Holdings, Ltd. (A)(B)	464,000	\$ 0
PVH Corp.	3,840	326,285
Ralph Lauren Corp.	189	23,304
Rocky Brands, Inc.	802	16,842
Skechers USA, Inc., Class A (A)	1,193	62,823
Steven Madden, Ltd.	1,460	47,727
Superior Group of Companies, Inc.	663	6,192
Under Armour, Inc., Class A (A)	1,502	10,844
Unifi, Inc. (A)	2,453	19,796
Vera Bradley, Inc. (A)	2,034	12,997
		1,255,870
		23,882,151
Consumer staples – 3.3%		
Beverages – 0.4%		
MGP Ingredients, Inc.	571	60,686
Molson Coors Beverage Company, Class B	7,410	487,874
The Duckhorn Portfolio, Inc. (A)	5,466	70,894
		619,454
Consumer staples distribution and retail – 0.8%		
Grocery Outlet Holding Corp. (A)	6,787	207,750
Ingles Markets, Inc., Class A	1,365	112,817
Natural Grocers by Vitamin Cottage, Inc.	1,014	12,432
Performance Food Group Company (A)	531	31,987
PriceSmart, Inc.	2,111	156,341
SpartanNash Company	3,523	79,303
The Andersons, Inc.	3,384	156,172
U.S. Foods Holding Corp. (A)	5,723	251,812
United Natural Foods, Inc. (A)	4,429	86,587
Village Super Market, Inc., Class A	685	15,632
Weis Markets, Inc.	2,371	152,242
		1,263,075
Food products – 1.5%		
Alico, Inc.	650	16,549
B&G Foods, Inc.	1,941	27,019
Calavo Growers, Inc.	731	21,214
Cal-Maine Foods, Inc.	4,370	196,650
Farmer Brothers Company (A)	1,069	2,961
Fresh Del Monte Produce, Inc.	3,959	101,786
Hostess Brands, Inc. (A)	28,147	712,682
Ingredion, Inc.	2,741	290,409
Limoneira Company	2,147	33,407
Pilgrim's Pride Corp. (A)	3,438	73,883
Post Holdings, Inc. (A)	3,244	281,093
Seaboard Corp.	58	206,522
Seneca Foods Corp., Class A (A)	908	29,673
The Hain Celestial Group, Inc. (A)	4,728	59,147
The Simply Good Foods Company (A)	3,540	129,529
TreeHouse Foods, Inc. (A)	4,075	205,299
Whole Earth Brands, Inc. (A)	1,600	6,432
		2,394,255
Household products – 0.3%		
Central Garden & Pet Company (A)	1,553	60,210
Central Garden & Pet Company, Class A (A)	3,288	119,880
Oil-Dri Corp. of America	531	31,324
Spectrum Brands Holdings, Inc.	2,746	214,325
		425,739
Personal care products – 0.3%		
BellRing Brands, Inc. (A)	3,288	120,341
Edgewell Personal Care Company	4,648	192,009
Natural Alternatives International, Inc. (A)	200	1,484
Nature's Sunshine Products, Inc. (A)	1,118	15,261
Nu Skin Enterprises, Inc., Class A	2,988	99,202

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Personal care products (continued)		
The Honest Company, Inc. (A)	4,669	\$ 7,844
		436,141
Tobacco – 0.0%		
Universal Corp.	1,975	98,632
		5,237,296
Energy – 7.6%		
Energy equipment and services – 2.2%		
Archrock, Inc.	15,033	154,088
Bristow Group, Inc. (A)	2,307	66,280
ChampionX Corp.	23,000	713,920
Dril-Quip, Inc. (A)	2,386	55,522
Expro Group Holdings NV (A)	1,587	28,122
Forum Energy Technologies, Inc. (A)	377	9,647
Geospace Technologies Corp. (A)	516	4,009
Gulf Island Fabrication, Inc. (A)	3,019	9,812
Helix Energy Solutions Group, Inc. (A)	12,029	88,774
Helmerich & Payne, Inc.	6,377	226,065
Liberty Energy, Inc.	12,732	170,227
Nabors Industries, Ltd. (A)	530	49,306
National Energy Services Reunited Corp. (A)	6,084	17,948
Natural Gas Services Group, Inc. (A)	2,620	25,938
Newpark Resources, Inc. (A)	6,750	35,303
NexTier Oilfield Solutions, Inc. (A)	10,250	91,635
NOV, Inc.	9,292	149,044
Oceaneering International, Inc. (A)	5,817	108,778
Oil States International, Inc. (A)	4,041	30,186
Patterson-UTI Energy, Inc.	15,623	187,007
ProPetro Holding Corp. (A)	9,437	77,761
RPC, Inc.	15,706	112,298
SEACOR Marine Holdings, Inc. (A)	2,432	27,798
Select Water Solutions, Inc.	7,658	62,030
Solaris Oilfield Infrastructure, Inc., Class A	1,100	9,163
TechnipFMC PLC (A)	24,797	412,126
Tidewater, Inc. (A)	3,747	207,734
Transocean, Ltd. (A)	45,322	317,707
U.S. Silica Holdings, Inc. (A)	7,085	85,941
		3,534,169
Oil, gas and consumable fuels – 5.4%		
Adams Resources & Energy, Inc.	724	25,449
Alto Ingredients, Inc. (A)	3,300	9,537
Antero Midstream Corp.	9,614	111,522
Antero Resources Corp. (A)	13,015	299,735
Arch Resources, Inc.	1,299	146,475
Ardmore Shipping Corp.	3,297	40,718
Berry Corp.	5,062	34,827
California Resources Corp.	4,413	199,865
Callon Petroleum Company (A)	5,698	199,829
Chord Energy Corp.	972	149,494
Civitas Resources, Inc.	486	33,714
Clean Energy Fuels Corp. (A)	13,796	68,428
CNX Resources Corp. (A)	16,589	293,957
Comstock Resources, Inc.	6,135	71,166
CONSOL Energy, Inc.	3,700	250,897
Delek US Holdings, Inc.	5,312	127,222
Denbury, Inc. (A)	906	78,152
DHT Holdings, Inc.	13,057	111,376
Dorian LPG, Ltd.	3,417	87,646
DT Midstream, Inc.	4,836	239,721
Earthstone Energy, Inc., Class A (A)	44,233	632,090
Equitrans Midstream Corp.	9,398	89,845
Evolution Petroleum Corp.	1,700	13,719
Green Plains, Inc. (A)	3,377	108,874
Hallador Energy Company (A)	1,635	14,012

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
HF Sinclair Corp.	10,648	\$ 475,007
International Seaways, Inc.	3,851	147,262
Magnolia Oil & Gas Corp., Class A	29,072	607,605
Matador Resources Company	21,079	1,102,853
Murphy Oil Corp.	10,625	406,938
NACCO Industries, Inc., Class A	700	24,262
Nordic American Tankers, Ltd.	14,173	52,015
Overseas Shipholding Group, Inc., Class A (A)	5,561	23,189
Ovintiv, Inc.	1,040	39,593
PBF Energy, Inc., Class A	9,233	377,999
PDC Energy, Inc.	6,240	443,914
Peabody Energy Corp.	9,665	209,344
Permian Resources Corp.	13,015	142,644
PHX Minerals, Inc.	557	1,738
Range Resources Corp.	1,941	57,065
REX American Resources Corp. (A)	1,688	58,759
Riley Exploration Permian, Inc.	491	17,539
SandRidge Energy, Inc.	3,343	50,981
Scorpio Tankers, Inc.	4,270	201,672
SFL Corp., Ltd.	10,526	98,208
Sitio Royalties Corp., Class A	914	24,011
SM Energy Company	6,693	211,700
Southwestern Energy Company (A)	15,517	93,257
Talos Energy, Inc. (A)	5,877	81,514
Teekay Corp. (A)	5,602	33,836
Teekay Tankers, Ltd., Class A	2,780	106,279
Vitesse Energy, Inc.	1,343	30,083
World Kinect Corp.	5,267	108,922
		8,666,459
		12,200,628
Financials – 18.2%		
Banks – 9.9%		
1st Source Corp.	2,362	99,039
ACNB Corp.	394	13,069
Amalgamated Financial Corp.	2,221	35,736
Amerant Bancorp, Inc.	2,770	47,616
American National Bankshares, Inc.	991	28,719
Ameris Bancorp	13,647	466,864
Ames National Corp.	500	9,015
Arrow Financial Corp.	1,117	22,496
Associated Banc-Corp.	14,499	235,319
Atlantic Union Bankshares Corp.	6,662	172,879
Axos Financial, Inc. (A)	4,021	158,588
Banc of California, Inc.	5,646	65,381
Bank of Marin Bancorp	1,851	32,707
Bank OZK	8,504	341,521
BankFinancial Corp.	2,146	17,554
BankUnited, Inc.	7,029	151,475
Bankwell Financial Group, Inc.	400	9,752
Banner Corp.	3,379	147,561
Bar Harbor Bankshares	1,690	41,642
BayCom Corp.	1,125	18,765
BCB Bancorp, Inc.	1,477	17,340
Berkshire Hills Bancorp, Inc.	4,838	100,292
Blue Foundry Bancorp (A)	912	9,220
Blue Ridge Bankshares, Inc.	682	6,036
BOK Financial Corp.	3,564	287,900
Bridgewater Bancshares, Inc. (A)	798	7,860
Brookline Bancorp, Inc.	7,292	63,732
Business First Bancshares, Inc.	1,362	20,525
Byline Bancorp, Inc.	3,345	60,511
C&F Financial Corp.	627	33,670
Cadence Bank	11,653	228,865
Cambridge Bancorp	121	6,572

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Camden National Corp.	1,722	\$ 53,330
Capital City Bank Group, Inc.	1,865	57,144
Capitol Federal Financial, Inc.	11,378	70,202
Capstar Financial Holdings, Inc.	972	11,926
Carter Bankshares, Inc. (A)	1,494	22,096
Cathay General Bancorp	6,734	216,767
Central Pacific Financial Corp.	2,460	38,647
Central Valley Community Bancorp	600	9,270
Chemung Financial Corp.	723	27,770
Citizens & Northern Corp.	960	18,528
Civista Bancshares, Inc.	1,114	19,384
CNB Financial Corp.	1,562	27,569
Colony Bancorp, Inc.	959	9,034
Columbia Banking System, Inc.	12,909	261,795
Comecia, Inc.	2,361	100,012
Community Bank System, Inc.	3,006	140,921
Community Trust Bancorp, Inc.	1,615	57,446
ConnectOne Bancorp, Inc.	2,683	44,511
CrossFirst Bankshares, Inc. (A)	3,053	30,530
Customers Bancorp, Inc. (A)	2,568	77,708
CVB Financial Corp.	2,549	33,851
Dime Community Bancshares, Inc.	3,811	67,188
Eagle Bancorp, Inc.	2,765	58,507
Eastern Bankshares, Inc.	3,103	38,074
Enterprise Bancorp, Inc.	246	7,119
Enterprise Financial Services Corp.	2,420	94,622
Equity Bancshares, Inc., Class A	1,442	32,849
ESSA Bancorp, Inc.	897	13,410
Evans Bancorp, Inc.	380	9,473
Farmers National Banc Corp.	1,865	23,070
FB Financial Corp.	2,794	78,372
Financial Institutions, Inc.	1,481	23,311
First Bancorp (North Carolina)	3,759	111,830
First Bancorp (Puerto Rico)	16,660	203,585
First Bank	900	9,342
First Busey Corp.	4,369	87,817
First Business Financial Services, Inc.	1,366	40,283
First Commonwealth Financial Corp.	8,341	105,514
First Community Bankshares, Inc.	2,201	65,436
First Financial Bancorp	8,400	171,696
First Financial Corp.	1,432	46,497
First Financial Northwest, Inc.	1,100	12,507
First Foundation, Inc.	4,373	17,361
First Hawaiian, Inc.	9,183	165,386
First Horizon Corp.	25,469	287,036
First Internet Bancorp	777	11,538
First Interstate BancSystem, Inc., Class A	4,845	115,505
First Merchants Corp.	4,669	131,806
First Mid Bancshares, Inc.	1,570	37,900
First Northwest Bancorp	800	9,104
First Western Financial, Inc. (A)	421	7,831
Flushing Financial Corp.	2,921	35,899
FNB Corp.	23,789	272,146
FS Bancorp, Inc.	400	12,028
Fulton Financial Corp.	13,791	164,389
German American Bancorp, Inc.	1,155	31,393
Great Southern Bancorp, Inc.	1,117	56,665
Guaranty Bancshares, Inc.	693	18,766
Hancock Whitney Corp.	7,556	289,999
Hanmi Financial Corp.	3,082	46,014
HarborOne Bancorp, Inc.	4,217	36,604
Heartland Financial USA, Inc.	3,376	94,089
Heritage Commerce Corp.	5,322	44,066
Heritage Financial Corp.	2,815	45,519
Hilltop Holdings, Inc.	4,528	142,451

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Home Bancorp, Inc.	902	\$ 29,955
HomeStreet, Inc.	1,802	10,668
HomeTrust Bancshares, Inc.	560	11,698
Hope Bancorp, Inc.	10,431	87,829
Horizon Bancorp, Inc.	4,654	48,448
Independent Bank Corp. (Massachusetts)	2,735	121,735
Independent Bank Corp. (Michigan)	1,806	30,630
Independent Bank Group, Inc.	2,888	99,723
International Bancshares Corp.	4,680	206,856
Investar Holding Corp.	500	6,055
Kearny Financial Corp.	6,261	44,140
Lakeland Bancorp, Inc.	5,402	72,333
LCNB Corp.	600	8,856
Live Oak Bancshares, Inc.	752	19,785
Luther Burbank Corp.	1,694	15,110
Macatawa Bank Corp.	5,091	47,244
Mercantile Bank Corp.	1,666	46,015
Metrocity Bankshares, Inc.	637	11,396
Metropolitan Bank Holding Corp. (A)	762	26,464
Mid Penn Bancorp, Inc.	1,196	26,408
Midland States Bancorp, Inc.	1,553	30,920
MidWestOne Financial Group, Inc.	1,343	28,700
MVB Financial Corp.	300	6,324
National Bank Holdings Corp., Class A	1,336	38,797
National Bankshares, Inc.	622	18,156
NBT Bancorp, Inc.	2,964	94,403
New York Community Bancorp, Inc.	39,746	446,745
Nicolet Bankshares, Inc.	928	63,020
Northeast Bank	770	32,086
Northfield Bancorp, Inc.	4,825	52,979
Northrim BanCorp, Inc.	647	25,447
Northwest Bancshares, Inc.	9,669	102,491
Norwood Financial Corp.	1,188	35,082
OceanFirst Financial Corp.	5,012	78,287
OFG Bancorp	4,124	107,554
Old National Bancorp	18,139	252,858
Old Second Bancorp, Inc.	2,721	35,536
OP Bancorp	1,000	8,430
Origin Bancorp, Inc.	1,486	43,540
Orrstown Financial Services, Inc.	500	9,575
Pacific Premier Bancorp, Inc.	6,740	139,383
PacWest Bancorp (C)	8,040	65,526
Pathward Financial, Inc.	2,595	120,304
PCB Bancorp	836	12,298
Peapack-Gladstone Financial Corp.	1,625	44,005
Penns Woods Bancorp, Inc. (C)	1,188	29,736
Peoples Bancorp, Inc.	2,883	76,544
Pinnacle Financial Partners, Inc.	7,975	451,784
Popular, Inc.	5,455	330,137
Preferred Bank	659	36,238
Premier Financial Corp.	2,871	45,993
Primis Financial Corp.	3,850	32,417
Prosperity Bancshares, Inc.	5,736	323,969
Provident Financial Holdings, Inc.	1,778	22,972
Provident Financial Services, Inc.	6,184	101,047
QCR Holdings, Inc.	1,449	59,452
RBB Bancorp	1,075	12,836
Renasant Corp.	3,529	92,213
Republic Bancorp, Inc., Class A	1,449	61,583
Riverview Bancorp, Inc.	3,925	19,782
S&T Bancorp, Inc.	3,436	93,425
Sandy Spring Bancorp, Inc.	3,344	75,842
Seacoast Banking Corp. of Florida	2,221	49,084
Shore Bancshares, Inc.	2,225	25,721
Sierra Bancorp	1,759	29,850

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Simmons First National Corp., Class A	9,236	\$ 159,321
SmartFinancial, Inc.	886	19,058
South Plains Financial, Inc.	443	9,972
Southern First Bancshares, Inc. (A)	537	13,291
Southern Missouri Bancorp, Inc.	1,012	38,911
Southside Bancshares, Inc.	1,224	32,020
SouthState Corp.	3,911	257,344
Stellar Bancorp, Inc.	3,959	90,622
Synovus Financial Corp.	4,658	140,905
Territorial Bancorp, Inc.	1,722	21,146
Texas Capital Bancshares, Inc. (A)	3,434	176,851
The Bank of NT Butterfield & Son, Ltd.	904	24,733
The Community Financial Corp.	300	8,127
The First Bancorp, Inc.	1,316	32,031
The First Bancshares, Inc.	1,916	49,509
The First of Long Island Corp.	2,386	28,680
The Hingham Institution for Savings	69	14,709
Tompkins Financial Corp.	268	14,928
Towne Bank	4,917	114,271
TriCo Bancshares	1,061	35,225
Triumph Financial, Inc. (A)	540	32,789
Trustmark Corp.	4,932	104,164
UMB Financial Corp.	1,043	63,519
United Bankshares, Inc.	7,422	220,211
United Community Banks, Inc.	6,679	166,908
Unity Bancorp, Inc.	430	10,144
Univest Financial Corp.	2,739	49,521
Valley National Bancorp	24,313	188,426
Veritex Holdings, Inc.	3,741	67,076
Washington Federal, Inc.	4,842	128,410
Washington Trust Bancorp, Inc.	1,035	27,748
Webster Financial Corp.	7,167	270,554
WesBanco, Inc.	5,027	128,741
Western New England Bancorp, Inc.	3,609	21,077
Wintrust Financial Corp.	3,366	244,439
WSFS Financial Corp.	4,396	165,817
Zions Bancorp NA	6,476	173,945
		15,840,221
Capital markets – 2.0%		
Avantax, Inc. (A)	2,434	54,473
Houlihan Lokey, Inc.	7,281	715,795
Invesco, Ltd.	24,463	411,223
Janus Henderson Group PLC	9,860	268,685
Jefferies Financial Group, Inc.	11,412	378,536
Oppenheimer Holdings, Inc., Class A	1,182	47,493
PJT Partners, Inc., Class A	10,151	706,916
Stifel Financial Corp.	8,150	486,311
StoneX Group, Inc. (A)	1,375	114,235
Virtus Investment Partners, Inc.	126	24,881
		3,208,548
Consumer finance – 1.2%		
Ally Financial, Inc.	16,381	442,451
Atlanticus Holdings Corp. (A)	505	21,215
Bread Financial Holdings, Inc.	4,838	151,865
Consumer Portfolio Services, Inc. (A)	1,066	12,440
Encore Capital Group, Inc. (A)	2,509	121,988
Enova International, Inc. (A)	3,425	181,936
EZCORP, Inc., Class A (A)	4,801	40,232
Green Dot Corp., Class A (A)	3,440	64,466
LendingClub Corp. (A)	7,056	68,796
LendingTree, Inc. (A)	1,183	26,156
Navient Corp.	13,508	250,979
Nelnet, Inc., Class A	2,648	255,479
Nicholas Financial, Inc. (A)	75	376
OneMain Holdings, Inc.	3,073	134,259

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer finance (continued)		
PRA Group, Inc. (A)	3,071	\$ 70,172
PROG Holdings, Inc. (A)	2,293	73,651
Regional Management Corp.	573	17,477
		1,933,938
Financial services – 2.0%		
Acacia Research Corp. (A)	2,172	9,036
Alerus Financial Corp.	904	16,254
A-Mark Precious Metals, Inc.	1,251	46,831
BM Technologies, Inc. (A)	367	1,094
California First Leasing Corp. (A)	880	12,584
Cannae Holdings, Inc. (A)	3,941	79,648
Essent Group, Ltd.	1,754	82,087
Federal Agricultural Mortgage Corp., Class C	594	85,382
Flywire Corp. (A)	33,784	1,048,655
Jackson Financial, Inc., Class A	5,691	174,202
Merchants Bancorp	1,376	35,198
MGIC Investment Corp.	16,087	254,014
Mr. Cooper Group, Inc. (A)	3,087	156,326
NMI Holdings, Inc., Class A (A)	5,822	150,324
Ocwen Financial Corp. (A)	315	9,441
PennyMac Financial Services, Inc.	3,525	247,843
Radian Group, Inc.	10,338	261,345
TFS Financial Corp.	1,010	12,696
TrustCo Bank Corp. NY	1,826	52,242
Voya Financial, Inc.	5,033	360,916
Walker & Dunlop, Inc.	615	48,640
Waterstone Financial, Inc.	3,099	44,905
		3,189,663
Insurance – 3.1%		
Ambac Financial Group, Inc. (A)	3,281	46,721
American Equity Investment Life Holding Company	7,384	384,780
Argo Group International Holdings, Ltd.	2,597	76,897
Assured Guaranty, Ltd.	5,779	322,468
Axis Capital Holdings, Ltd.	5,166	278,086
Brighthouse Financial, Inc. (A)	5,409	256,116
CNA Financial Corp.	1,005	38,813
CNO Financial Group, Inc.	7,507	177,691
Donegal Group, Inc., Class A	2,876	41,501
Employers Holdings, Inc.	2,283	85,407
Enstar Group, Ltd. (A)	1,090	266,222
Everest Re Group, Ltd.	52	17,777
F&G Annuities & Life, Inc.	192	4,758
Fidelity National Financial, Inc.	3,472	124,992
First American Financial Corp.	5,925	337,844
Genworth Financial, Inc., Class A (A)	36,213	181,065
Greenlight Capital Re, Ltd., Class A (A)	2,616	27,560
Hallmark Finl Services, Inc. (A)	400	2,240
Heritage Insurance Holdings, Inc. (A)	657	2,529
Horace Mann Educators Corp.	3,303	97,967
Investors Title Company	189	27,594
James River Group Holdings, Ltd.	2,157	39,387
Kemper Corp.	4,019	193,957
MBIA, Inc. (A)	1,892	16,347
Mercury General Corp.	3,607	109,184
National Western Life Group, Inc., Class A	221	91,839
Old Republic International Corp.	15,344	386,208
Oscar Health, Inc., Class A (A)	6,663	53,704
ProAssurance Corp.	4,655	70,244
Reinsurance Group of America, Inc.	80	11,095
Safety Insurance Group, Inc.	612	43,893
SiriusPoint, Ltd. (A)	10,334	93,316
Stewart Information Services Corp.	1,817	74,751
Tiptree, Inc.	3,689	55,372

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
United Fire Group, Inc.	1,897	\$ 42,986
Universal Insurance Holdings, Inc.	3,287	50,718
Unum Group	10,883	519,119
White Mountains Insurance Group, Ltd.	205	284,727
		4,935,875
		29,108,245
Health care – 11.8%		
Biotechnology – 3.5%		
Achillion Pharmaceuticals, Inc. (A)(B)	10,940	16,623
Agius Pharmaceuticals, Inc. (A)	6,006	170,090
Allogene Therapeutics, Inc. (A)	4,442	22,077
AnaptysBio, Inc. (A)	1,489	30,286
Anika Therapeutics, Inc. (A)	1,585	41,178
Arcus Biosciences, Inc. (A)	3,846	78,112
Arcutis Biotherapeutics, Inc. (A)	29,090	277,228
Avidity Biosciences, Inc. (A)	2,235	24,786
Avita Medical, Inc. (A)	2,616	44,498
BioCryst Pharmaceuticals, Inc. (A)	61,718	434,495
Crinetics Pharmaceuticals, Inc. (A)	27,845	501,767
Dynavax Technologies Corp. (A)	7,701	99,497
Eagle Pharmaceuticals, Inc. (A)	585	11,372
Editas Medicine, Inc. (A)	3,778	31,093
Emergent BioSolutions, Inc. (A)	2,676	19,669
Generation Bio Company (A)	4,046	22,253
Halozyne Therapeutics, Inc. (A)	15,690	565,938
Insmed, Inc. (A)	24,975	526,973
Ironwood Pharmaceuticals, Inc. (A)	11,336	120,615
iTeos Therapeutics, Inc. (A)	1,538	20,363
Kodiak Sciences, Inc. (A)	1,185	8,177
Kura Oncology, Inc. (A)	2,404	25,434
Myriad Genetics, Inc. (A)	5,783	134,050
PDL BioPharma, Inc. (A)(B)	5,434	1,793
REGENXBIO, Inc. (A)	1,693	33,843
Sage Therapeutics, Inc. (A)	2,666	125,355
Sutro Biopharma, Inc. (A)	1,765	8,207
Travere Therapeutics, Inc. (A)	28,022	430,418
Ultragenyx Pharmaceutical, Inc. (A)	8,770	404,560
Vanda Pharmaceuticals, Inc. (A)	4,716	31,078
Veracyte, Inc. (A)	20,685	526,847
Vericel Corp. (A)	19,187	720,856
Xencor, Inc. (A)	1,408	35,158
		5,544,689
Health care equipment and supplies – 2.4%		
AngioDynamics, Inc. (A)	3,198	33,355
Artivion, Inc. (A)	20,042	344,522
AtriCure, Inc. (A)	11,138	549,772
Avanos Medical, Inc. (A)	3,807	97,307
Dentsply Sirona, Inc.	2,856	114,297
Enovis Corp. (A)	4,807	308,225
Envista Holdings Corp. (A)	9,502	321,548
FONAR Corp. (A)	463	7,917
Globus Medical, Inc., Class A (A)	9,480	564,439
ICU Medical, Inc. (A)	2,238	398,789
Inogen, Inc. (A)	1,678	19,381
Integer Holdings Corp. (A)	2,433	215,588
Integra LifeSciences Holdings Corp. (A)	9,413	387,157
Kewaunee Scientific Corp. (A)	83	1,286
LENSAR, Inc. (A)	783	3,328
LivaNova PLC (A)	1,624	83,522
NuVasive, Inc. (A)	2,101	87,381
Omniceil, Inc. (A)	344	25,342
OraSure Technologies, Inc. (A)	4,040	20,240
Orthofix Medical, Inc. (A)	2,161	39,028
UFP Technologies, Inc. (A)	300	58,155

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Utah Medical Products, Inc.	289	\$ 26,935
Varex Imaging Corp. (A)	4,007	94,445
		3,801,959
Health care providers and services – 2.8%		
Acadia Healthcare Company, Inc. (A)	12,599	1,003,384
Addus HomeCare Corp. (A)	1,766	163,708
Agiliti, Inc. (A)	3,789	62,519
Amedisys, Inc. (A)	2,199	201,077
Brookdale Senior Living, Inc. (A)	14,458	61,013
Castle Biosciences, Inc. (A)	9,243	126,814
Cross Country Healthcare, Inc. (A)	2,734	76,771
Enhabit, Inc. (A)	1,091	12,547
Fulgent Genetics, Inc. (A)	1,997	73,949
HealthEquity, Inc. (A)	9,467	597,746
National HealthCare Corp.	1,428	88,279
NeoGenomics, Inc. (A)	4,116	66,144
OPKO Health, Inc. (A)	8,398	18,224
Owens & Minor, Inc. (A)	3,760	71,590
Patterson Companies, Inc.	6,467	215,092
Pediatric Medical Group, Inc. (A)	5,689	80,841
PetIQ, Inc. (A)	1,147	17,400
Premier, Inc., Class A	6,862	189,803
Select Medical Holdings Corp.	1,202	38,296
Universal Health Services, Inc., Class B	3,600	567,972
US Physical Therapy, Inc.	5,674	688,767
		4,421,936
Health care technology – 0.2%		
American Well Corp., Class A (A)	9,568	20,093
Certara, Inc. (A)	5,777	105,199
Computer Programs and Systems, Inc. (A)	1,067	26,344
HealthStream, Inc.	1,969	48,359
NextGen Healthcare, Inc. (A)	2,912	47,233
Veradigm, Inc. (A)	11,365	143,199
		390,427
Life sciences tools and services – 1.2%		
Azenta, Inc. (A)	16,200	756,216
CryoPort, Inc. (A)	15,940	274,965
Harvard Bioscience, Inc. (A)	5,200	28,548
Medpace Holdings, Inc. (A)	3,432	824,263
Mesa Laboratories, Inc.	169	21,717
OmniAb, Inc. (A)	3,101	15,598
OmniAb, Inc., \$12.50 Earnout Shares (A)(B)	240	0
OmniAb, Inc., \$15.00 Earnout Shares (A)(B)	240	0
Personalis, Inc. (A)	1,146	2,154
Seer, Inc. (A)	2,095	8,946
Syneos Health, Inc. (A)	1,384	58,322
		1,990,729
Pharmaceuticals – 1.7%		
Amphastar Pharmaceuticals, Inc. (A)	853	49,022
ANI Pharmaceuticals, Inc. (A)	800	43,064
Cumberland Pharmaceuticals, Inc. (A)	956	1,405
Elanco Animal Health, Inc. (A)	21,355	214,831
Innoviva, Inc. (A)	7,202	91,681
Intra-Cellular Therapies, Inc. (A)	10,827	685,566
Ligand Pharmaceuticals, Inc. (A)	1,152	83,059
Nektar Therapeutics (A)	10,585	6,088
Organon & Company	695	14,463
Perrigo Company PLC	8,302	281,853
Phathom Pharmaceuticals, Inc. (A)	26,996	386,583
Phibro Animal Health Corp., Class A	1,429	19,577
Prestige Consumer Healthcare, Inc. (A)	3,612	214,661
Supernus Pharmaceuticals, Inc. (A)	18,721	562,753

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Taro Pharmaceutical Industries, Ltd. (A)	1,003	\$ 38,044
		2,692,650
		18,842,390
Industrials – 20.7%		
Aerospace and defense – 1.1%		
AAR Corp. (A)	3,353	193,669
AerSale Corp. (A)	635	9,335
Astronics Corp. (A)	1,700	33,762
Ducommun, Inc. (A)	1,245	54,245
Hexcel Corp.	12,125	921,743
Kaman Corp.	1,770	43,064
Kratos Defense & Security Solutions, Inc. (A)	3,850	55,209
Mercury Systems, Inc. (A)	2,355	81,459
Moog, Inc., Class A	1,548	167,850
National Presto Industries, Inc.	644	47,141
Park Aerospace Corp.	2,083	28,745
Parsons Corp. (A)	721	34,709
SIFCO Industries, Inc. (A)	1,000	2,460
V2X, Inc. (A)	1,029	50,997
		1,724,388
Air freight and logistics – 0.2%		
Air Transport Services Group, Inc. (A)	7,279	137,355
Hub Group, Inc., Class A (A)	2,418	194,214
Radiant Logistics, Inc. (A)	3,764	25,294
		356,863
Building products – 2.2%		
American Woodmark Corp. (A)	1,309	99,968
Apogee Enterprises, Inc.	2,178	103,390
AZZ, Inc.	1,376	59,801
Builders FirstSource, Inc. (A)	7,364	1,001,504
Gibraltar Industries, Inc. (A)	13,786	867,415
Hayward Holdings, Inc. (A)	2,363	30,365
Insteel Industries, Inc.	1,689	52,562
JELD-WEN Holding, Inc. (A)	4,097	71,861
Masonite International Corp. (A)	872	89,328
Masterbrand, Inc. (A)	538	6,257
Owens Corning	1,092	142,506
PGT Innovations, Inc. (A)	2,094	61,040
Quanex Building Products Corp.	3,929	105,494
Resideo Technologies, Inc. (A)	10,435	184,282
The AZEK Company, Inc. (A)	9,070	274,730
UFP Industries, Inc.	3,823	371,022
		3,521,525
Commercial services and supplies – 0.9%		
ABM Industries, Inc.	5,899	251,592
ACCO Brands Corp.	8,323	43,363
Acme United Corp.	733	18,281
Brady Corp., Class A	2,444	116,261
BrightView Holdings, Inc. (A)	6,940	49,829
CECO Environmental Corp. (A)	3,081	41,162
Civeo Corp. (A)	673	13,110
Clean Harbors, Inc. (A)	371	61,004
Deluxe Corp.	3,291	57,527
Ennis, Inc.	2,608	53,151
Enviri Corp. (A)	7,551	74,528
Healthcare Services Group, Inc.	2,180	32,547
Heritage-Crystal Clean, Inc. (A)	1,877	70,932
HNI Corp.	1,894	53,373
Interface, Inc.	2,884	25,350
Matthews International Corp., Class A	2,517	107,275
MillerKnoll, Inc.	1,587	23,456
NL Industries, Inc.	3,260	18,028

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
OPENLANE, Inc. (A)	8,224	\$ 125,169
SP Plus Corp. (A)	400	15,644
Steelcase, Inc., Class A	6,532	50,362
UniFirst Corp.	667	103,392
Virco Manufacturing Corp. (A)	1,200	5,004
VSE Corp.	1,368	74,816
		1,485,156
Construction and engineering – 1.3%		
API Group Corp. (A)	3,732	101,734
Arcosa, Inc.	4,310	326,569
Argan, Inc.	1,446	56,987
Concrete Pumping Holdings, Inc. (A)	1,800	14,454
Dycom Industries, Inc. (A)	1,471	167,179
Fluor Corp. (A)	3,410	100,936
Granite Construction, Inc.	3,746	149,016
Great Lakes Dredge & Dock Corp. (A)	6,888	56,206
IES Holdings, Inc. (A)	1,180	67,118
MasTec, Inc. (A)	2,816	332,204
Matrix Service Company (A)	2,731	16,086
MDU Resources Group, Inc.	6,327	132,487
MYR Group, Inc. (A)	1,212	167,668
Northwest Pipe Company (A)	1,306	39,493
Orion Group Holdings, Inc. (A)	4,263	11,979
Primoris Services Corp.	3,474	105,853
Sterling Infrastructure, Inc. (A)	2,528	141,062
Tutor Perini Corp. (A)	4,167	29,794
		2,016,825
Electrical equipment – 2.0%		
Allied Motion Technologies, Inc.	300	11,982
American Superconductor Corp. (A)	1,655	10,360
Atkore, Inc. (A)	9,816	1,530,674
Encore Wire Corp.	1,762	327,609
EnerSys	1,533	166,361
LSI Industries, Inc.	4,131	51,885
nVent Electric PLC	3,155	163,019
Powell Industries, Inc.	1,244	75,374
Preformed Line Products Company	492	76,801
Regal Rexnord Corp.	3,159	486,170
Sensata Technologies Holding PLC	3,072	138,209
Sunrun, Inc. (A)	2,009	35,881
Thermon Group Holdings, Inc. (A)	3,483	92,648
Ultralife Corp. (A)	1,984	9,603
		3,176,576
Ground transportation – 1.2%		
ArcBest Corp.	2,462	243,246
Covenant Logistics Group, Inc.	1,513	66,315
Heartland Express, Inc.	4,107	67,396
Knight-Swift Transportation Holdings, Inc.	8,340	463,370
Marten Transport, Ltd.	6,368	136,912
PAM Transportation Services, Inc. (A)	2,085	55,815
Patriot Transportation Holding, Inc. (A)	450	3,762
Ryder System, Inc.	3,393	287,692
Schneider National, Inc., Class B	3,459	99,342
U.S. Xpress Enterprises, Inc., Class A (A)	2,111	12,962
U-Haul Holding Company, Series N	4,257	215,702
Universal Logistics Holdings, Inc.	600	17,286
Werner Enterprises, Inc.	4,155	183,568
		1,853,368
Machinery – 5.1%		
3D Systems Corp. (A)	5,104	50,683
AGCO Corp.	1,707	224,334
Alamo Group, Inc.	5,170	950,815
Albany International Corp., Class A	743	69,307
Astec Industries, Inc.	2,415	109,738

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Barnes Group, Inc.	4,989	\$ 210,486
CIRCOR International, Inc. (A)	441	24,894
Columbus McKinnon Corp.	2,178	88,536
Commercial Vehicle Group, Inc. (A)	2,492	27,661
EnPro Industries, Inc.	1,502	200,562
Esab Corp.	2,502	166,483
ESCO Technologies, Inc.	1,885	195,343
Federal Signal Corp.	3,670	234,990
Flowserve Corp.	699	25,968
Gates Industrial Corp. PLC (A)	18,170	244,932
Gencor Industries, Inc. (A)	2,100	32,718
Graham Corp. (A)	333	4,422
Helios Technologies, Inc.	5,217	344,792
Hillenbrand, Inc.	11,934	611,976
Hurco Companies, Inc.	1,054	22,819
Hyster-Yale Materials Handling, Inc.	466	26,021
Kennametal, Inc.	6,313	179,226
LB Foster Company, Class A (A)	1,699	24,262
Luxfer Holdings PLC	633	9,008
Mayville Engineering Company, Inc. (A)	1,096	13,656
Miller Industries, Inc.	1,434	50,864
Mueller Industries, Inc.	2,004	174,909
Mueller Water Products, Inc., Class A	2,340	37,978
NN, Inc. (A)	2,376	5,679
Oshkosh Corp.	1,276	110,489
Park-Ohio Holdings Corp.	749	14,231
Perma-Pipe International Holdings, Inc. (A)	1,100	10,461
Proto Labs, Inc. (A)	1,588	55,516
RBC Bearings, Inc. (A)	3,907	849,655
REV Group, Inc.	5,224	69,270
SPX Technologies, Inc. (A)	12,160	1,033,235
Standex International Corp.	310	43,856
Tennant Company	694	56,290
Terex Corp.	1,393	83,343
The Eastern Company	1,471	26,610
The Gorman-Rupp Company	1,454	41,919
The Greenbrier Companies, Inc.	2,830	121,973
The LS Starrett Company, Class A (A)	1,530	15,989
The Manitowoc Company, Inc. (A)	3,343	62,949
The Shyft Group, Inc.	33,097	730,120
The Timken Company	2,179	199,444
Titan International, Inc. (A)	3,936	45,185
Trinity Industries, Inc.	7,997	205,603
Twin Disc, Inc. (A)	1,650	18,579
Wabash National Corp.	1,980	50,767
		8,208,546
Marine transportation – 0.4%		
Costamare, Inc.	9,592	92,755
Eagle Bulk Shipping, Inc.	1,293	62,116
Eneti, Inc.	1,112	13,466
Genco Shipping & Trading, Ltd.	4,550	63,837
Kirby Corp. (A)	2,166	166,674
Matson, Inc.	2,868	222,930
Pangaea Logistics Solutions, Ltd.	1,768	11,969
		633,747
Passenger airlines – 0.7%		
Alaska Air Group, Inc. (A)	7,840	416,931
Allegiant Travel Company (A)	1,247	157,471
Copa Holdings SA, Class A	905	100,075
Hawaiian Holdings, Inc. (A)	3,931	42,337
JetBlue Airways Corp. (A)	22,528	199,598
Mesa Air Group, Inc. (A)	1,399	3,567
SkyWest, Inc. (A)	3,644	148,384

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Passenger airlines (continued)		
Spirit Airlines, Inc.	5,129	\$ 88,014
		1,156,377
Professional services – 2.6%		
Asure Software, Inc. (A)	1,391	16,915
Barrett Business Services, Inc.	203	17,702
BGSF, Inc.	800	7,624
CACI International, Inc., Class A (A)	2,478	844,602
CBIZ, Inc. (A)	3,282	174,865
Clarivate PLC (A)	21,840	208,135
Concentrix Corp.	1,811	146,238
Conduent, Inc. (A)	14,444	49,110
CRA International, Inc.	722	73,644
Dun & Bradstreet Holdings, Inc.	6,331	73,250
Exponent, Inc.	8,590	801,619
First Advantage Corp. (A)	1,878	28,940
Heidrick & Struggles International, Inc.	1,672	44,258
Huron Consulting Group, Inc. (A)	1,411	119,808
ICF International, Inc.	1,429	177,753
Kelly Services, Inc., Class A	3,287	57,884
Korn Ferry	3,492	172,994
ManpowerGroup, Inc.	1,014	80,512
Mistras Group, Inc. (A)	2,232	17,231
NV5 Global, Inc. (A)	533	59,040
Paycor HCM, Inc. (A)	32,189	761,914
RCM Technologies, Inc. (A)	300	5,520
Resources Connection, Inc.	4,120	64,725
TrueBlue, Inc. (A)	3,219	57,008
Willdan Group, Inc. (A)	400	7,664
		4,068,955
Trading companies and distributors – 3.0%		
Air Lease Corp.	8,638	361,500
Alta Equipment Group, Inc.	1,696	29,392
Beacon Roofing Supply, Inc. (A)	4,604	382,040
BlueLinx Holdings, Inc. (A)	893	83,746
Boise Cascade Company	3,470	313,515
Distribution Solutions Group, Inc. (A)	653	33,995
DXP Enterprises, Inc. (A)	1,767	64,336
GATX Corp.	2,464	317,215
GMS, Inc. (A)	1,599	110,651
Herc Holdings, Inc.	249	34,076
Hudson Technologies, Inc. (A)	2,645	25,445
McGrath RentCorp	1,500	138,720
MRC Global, Inc. (A)	2,745	27,642
NOW, Inc. (A)	7,656	79,316
Rush Enterprises, Inc., Class A	3,581	217,510
Rush Enterprises, Inc., Class B	1,117	76,023
SiteOne Landscape Supply, Inc. (A)	6,448	1,079,137
Textainer Group Holdings, Ltd.	3,510	138,224
Titan Machinery, Inc. (A)	2,366	69,797
Triton International, Ltd.	4,778	397,816
Univar Solutions, Inc. (A)	3,996	143,217
Veritiv Corp.	1,106	138,925
WESCO International, Inc.	2,696	482,746
Willis Lease Finance Corp. (A)	406	15,887
		4,760,871
		32,963,197
Information technology – 11.6%		
Communications equipment – 0.9%		
Aviat Networks, Inc. (A)	829	27,664
Comtech Telecommunications Corp.	2,706	24,733
Digi International, Inc. (A)	4,035	158,939
Juniper Networks, Inc.	6,436	201,640
KVH Industries, Inc. (A)	910	8,317
NETGEAR, Inc. (A)	3,326	47,096

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Communications equipment (continued)		
NetScout Systems, Inc. (A)	5,946	\$ 184,029
Optical Cable Corp. (A)	931	3,761
Ribbon Communications, Inc. (A)	8,541	23,829
TESSCO Technologies, Inc. (A)	1,750	15,663
Viasat, Inc. (A)	5,154	212,654
Viavi Solutions, Inc. (A)	51,307	581,308
		1,489,633
Electronic equipment, instruments and components – 4.1%		
Arrow Electronics, Inc. (A)	5,768	826,151
Avnet, Inc.	9,371	472,767
Bel Fuse, Inc., Class B	1,641	94,210
Belden, Inc.	2,104	201,248
Benchmark Electronics, Inc.	3,813	98,490
Climb Global Solutions, Inc.	314	15,028
Coherent Corp. (A)	192	9,788
CTS Corp.	3,299	140,636
Daktronics, Inc. (A)	3,929	25,146
ePlus, Inc. (A)	1,596	89,855
Fabrinet (A)	990	128,581
FARO Technologies, Inc. (A)	684	11,081
Flex, Ltd. (A)	8,550	236,322
Frequency Electronics, Inc.	1,783	11,803
Insight Enterprises, Inc. (A)	2,190	320,485
Itron, Inc. (A)	2,223	160,278
Jabil, Inc.	1,144	123,472
Key Tronic Corp. (A)	1,900	10,773
Kimball Electronics, Inc. (A)	3,036	83,885
Knowles Corp. (A)	7,107	128,352
Methode Electronics, Inc.	2,971	99,588
Mirion Technologies, Inc. (A)	1,282	10,833
Novanta, Inc. (A)	7,032	1,294,591
OSI Systems, Inc. (A)	1,091	128,553
PC Connection, Inc.	2,391	107,834
Plexus Corp. (A)	2,005	196,971
RF Industries, Ltd. (A)	120	498
Richardson Electronics, Ltd.	1,461	24,107
Rogers Corp. (A)	1,273	206,137
Sanmina Corp. (A)	4,939	297,674
ScanSource, Inc. (A)	2,542	75,142
TD SYNnex Corp.	3,838	360,772
TTM Technologies, Inc. (A)	9,137	127,004
Vishay Intertechnology, Inc.	10,499	308,671
Vishay Precision Group, Inc. (A)	1,686	62,635
		6,489,361
IT services – 0.8%		
Brightcove, Inc. (A)	2,443	9,796
DXC Technology Company (A)	14,550	388,776
Fastly, Inc., Class A (A)	4,758	75,034
Information Services Group, Inc.	4,400	23,584
Kyndryl Holdings, Inc. (A)	9,725	129,148
PFSweb, Inc.	1,835	8,294
Thoughtworks Holding, Inc. (A)	77,550	585,503
		1,220,135
Semiconductors and semiconductor equipment – 3.2%		
Allegro MicroSystems, Inc. (A)	11,950	539,423
Alpha & Omega Semiconductor, Ltd. (A)	2,746	90,069
Amkor Technology, Inc.	18,705	556,474
Amtech Systems, Inc. (A)	2,404	22,982
AXT, Inc. (A)	4,229	14,548
CEVA, Inc. (A)	1,976	50,487
Cohu, Inc. (A)	4,842	201,234
Diodes, Inc. (A)	1,716	158,713
FormFactor, Inc. (A)	5,202	178,012
Ichor Holdings, Ltd. (A)	2,659	99,713

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Kulicke & Soffa Industries, Inc.	4,804	\$ 285,598
MACOM Technology Solutions Holdings, Inc. (A)	9,696	635,379
Magnachip Semiconductor Corp. (A)	2,526	28,241
MaxLinear, Inc. (A)	981	30,960
MKS Instruments, Inc.	127	13,729
Onto Innovation, Inc. (A)	1,755	204,405
Photronics, Inc. (A)	5,882	151,697
Power Integrations, Inc.	9,484	897,850
Semtech Corp. (A)	1,339	34,091
Silicon Laboratories, Inc. (A)	4,937	778,762
Ultra Clean Holdings, Inc. (A)	3,668	141,071
Veeco Instruments, Inc. (A)	2,996	76,937
		5,190,375
Software – 2.2%		
ACI Worldwide, Inc. (A)	9,923	229,916
Adeia, Inc.	4,859	53,498
Appfolio, Inc., Class A (A)	4,782	823,173
Aware, Inc. (A)	2,160	3,413
Cerence, Inc. (A)	773	22,595
Cognyte Software, Ltd. (A)	402	2,448
Consensus Cloud Solutions, Inc. (A)	218	6,758
CyberArk Software, Ltd. (A)	5,485	857,470
Digital Turbine, Inc. (A)	2,201	20,425
Ebix, Inc.	2,981	75,121
InterDigital, Inc.	1,646	158,921
LiveRamp Holdings, Inc. (A)	1,737	49,609
Mitek Systems, Inc. (A)	1,915	20,759
ON24, Inc.	2,666	21,648
OneSpan, Inc. (A)	1,048	15,552
Rapid7, Inc. (A)	6,881	311,572
SecureWorks Corp., Class A (A)	1,000	7,230
SolarWinds Corp. (A)	8,968	92,012
The Descartes Systems Group, Inc. (A)	9,433	755,678
Upland Software, Inc. (A)	1,064	3,830
Verint Systems, Inc. (A)	1,067	37,409
Xperi, Inc. (A)	1,943	25,550
		3,594,587
Technology hardware, storage and peripherals – 0.4%		
AstroNova, Inc. (A)	1,439	20,866
Stratasys, Ltd. (A)	4,814	85,497
Super Micro Computer, Inc. (A)	1,127	280,905
Xerox Holdings Corp.	12,185	181,435
		568,703
		18,552,794
Materials – 6.8%		
Chemicals – 2.8%		
AdvanSix, Inc.	2,405	84,127
American Vanguard Corp.	2,933	52,413
Ashland, Inc.	2,990	259,861
Avient Corp.	18,855	771,170
Balchem Corp.	4,713	635,360
Chase Corp.	504	61,095
Core Molding Technologies, Inc. (A)	1,000	22,750
Eastman Chemical Company	469	39,265
Ecovyst, Inc. (A)	9,373	107,415
Element Solutions, Inc.	7,035	135,072
FutureFuel Corp.	4,276	37,843
Hawkins, Inc.	1,460	69,627
HB Fuller Company	3,339	238,772
Huntsman Corp.	15,185	410,299
Innospec, Inc.	1,890	189,832
Intrepid Potash, Inc. (A)	1,117	25,345
Koppers Holdings, Inc.	1,694	57,765

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Kronos Worldwide, Inc.	3,820	\$ 33,349
LSB Industries, Inc. (A)	1,567	15,435
Mativ Holdings, Inc.	3,903	59,013
Minerals Technologies, Inc.	2,317	133,668
Olin Corp.	1,947	100,056
Quaker Chemical Corp.	2,566	500,113
Rayonier Advanced Materials, Inc. (A)	4,555	19,495
Stepan Company	1,655	158,152
Trinseo PLC	2,965	37,567
Tronox Holdings PLC	11,517	146,381
		4,401,240
Construction materials – 0.3%		
Knife River Corp. (A)	1,581	68,774
Summit Materials, Inc., Class A (A)	7,349	278,160
United States Lime & Minerals, Inc.	686	143,299
		490,233
Containers and packaging – 0.8%		
Berry Global Group, Inc.	7,897	508,093
Greif, Inc., Class A	1,784	122,900
Greif, Inc., Class B	913	70,529
Myers Industries, Inc.	617	11,988
O-I Glass, Inc. (A)	2,514	53,624
Pactiv Evergreen, Inc.	3,705	28,047
Ranpak Holdings Corp. (A)	1,842	8,326
Silgan Holdings, Inc.	206	9,659
Sonoco Products Company	1,332	78,615
TriMas Corp.	1,856	51,021
Westrock Company	13,906	404,247
		1,347,049
Metals and mining – 2.8%		
Alcoa Corp.	11,756	398,881
Alpha Metallurgical Resources, Inc.	393	64,593
Ampco-Pittsburgh Corp. (A)	1,644	5,228
Arconic Corp. (A)	9,439	279,206
Ascent Industries Company (A)	2,209	20,080
Carpenter Technology Corp.	4,715	264,653
Century Aluminum Company (A)	4,406	38,420
Cleveland-Cliffs, Inc. (A)	28,008	469,414
Coeur Mining, Inc. (A)	21,745	61,756
Commercial Metals Company	7,902	416,119
Compass Minerals International, Inc.	697	23,698
Friedman Industries, Inc.	1,511	19,039
Gold Resource Corp.	6,900	4,347
Haynes International, Inc.	1,127	57,274
Hecla Mining Company	42,155	217,098
Materion Corp.	1,721	196,538
Nexa Resources SA	900	4,374
Olympic Steel, Inc.	1,438	70,462
Reliance Steel & Aluminum Company	2,550	692,555
Ryerson Holding Corp.	2,583	112,051
Schnitzer Steel Industries, Inc., Class A	3,077	92,279
SunCoke Energy, Inc.	6,433	50,628
TimkenSteel Corp. (A)	3,682	79,421
Tredegar Corp.	1,654	11,032
U.S. Steel Corp.	13,527	338,310
Universal Stainless & Alloy Products, Inc. (A)	1,562	21,884
Warrior Met Coal, Inc.	3,785	147,426
Worthington Industries, Inc.	3,451	239,741
		4,396,507
Paper and forest products – 0.1%		
Clearwater Paper Corp. (A)	1,597	50,018
Glatfelter Corp. (A)	4,610	13,922
Mercer International, Inc.	7,458	60,186

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Paper and forest products (continued)		
Resolute Forest Products, Inc. (A)(B)	7,541	\$ 10,708
		134,834
		10,769,863
Real estate – 1.6%		
Hotel and resort REITs – 0.4%		
Ryman Hospitality Properties, Inc.	6,377	592,551
Industrial REITs – 0.4%		
STAG Industrial, Inc.	17,542	629,407
Real estate management and development – 0.8%		
Anywhere Real Estate, Inc. (A)	9,125	60,955
Cushman & Wakefield PLC (A)	14,309	117,048
Douglas Elliman, Inc.	6,219	13,807
Five Point Holdings LLC, Class A (A)	2,659	7,685
Forestar Group, Inc. (A)	2,613	58,923
FRP Holdings, Inc. (A)	931	53,598
Jones Lang LaSalle, Inc. (A)	2,430	378,594
Kennedy-Wilson Holdings, Inc.	9,598	156,735
Marcus & Millichap, Inc.	2,585	81,453
Newmark Group, Inc., Class A	7,419	46,146
Rafael Holdings, Inc., Class B (A)	500	1,045
RE/MAX Holdings, Inc., Class A	2,193	42,237
Stratus Properties, Inc.	1,025	26,906
Tejon Ranch Company (A)	2,396	41,235
The Howard Hughes Corp. (A)	3,339	263,514
		1,349,881
		2,571,839
Utilities – 0.3%		
Electric utilities – 0.1%		
Genie Energy, Ltd., B Shares	1,000	14,140
NRG Energy, Inc.	4,504	168,405
		182,545
Gas utilities – 0.1%		
New Jersey Resources Corp.	3,121	147,311
Independent power and renewable electricity producers – 0.1%		
Ormat Technologies, Inc.	502	40,391
Sunnova Energy International, Inc. (A)(C)	7,526	137,801
		178,192
		508,048
TOTAL COMMON STOCKS (Cost \$137,872,470)		\$ 157,796,070
PREFERRED SECURITIES – 0.0%		
Industrials – 0.0%		
Trading companies and distributors – 0.0%		
WESCO International, Inc., 10.625% (10.625% to 6-22-25, then 5 Year CMT + 10.325%)	1,507	40,267
TOTAL PREFERRED SECURITIES (Cost \$37,663)		\$ 40,267
SHORT-TERM INVESTMENTS – 1.5%		
Short-term funds – 1.5%		
John Hancock Collateral Trust, 5.1773% (D)(E)	65,294	652,599

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Short-term funds (continued)		
State Street Institutional Treasury Money Market Fund, Premier Class, 4.9944% (D)	1,548,424	\$ 1,548,424
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (D)	281,198	281,198
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,482,253)		\$ 2,482,221
Total Investments (Small Cap Opportunities Trust) (Cost \$140,392,386) – 100.4%		\$ 160,318,558
Other assets and liabilities, net – (0.4%)		(654,843)
TOTAL NET ASSETS – 100.0%		\$ 159,663,715

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
(A)	Non-income producing security.
(B)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(C)	All or a portion of this security is on loan as of 6-30-23.
(D)	The rate shown is the annualized seven-day yield as of 6-30-23.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Small Cap Stock Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.6%		
Communication services – 3.9%		
Interactive media and services – 2.9%		
CarGurus, Inc. (A)	86,214	\$ 1,951,023
Eventbrite, Inc., Class A (A)	315,452	3,012,567
Ziff Davis, Inc. (A)	39,759	2,785,516
		7,749,106
Media – 1.0%		
Criteo SA, ADR (A)	81,970	2,765,668
		10,514,774
Consumer discretionary – 11.3%		
Automobile components – 1.0%		
Visteon Corp. (A)	19,125	2,746,541
Diversified consumer services – 1.5%		
European Wax Center, Inc., Class A (A)(B)	96,873	1,804,744
H&R Block, Inc.	69,909	2,228,000
		4,032,744
Hotels, restaurants and leisure – 4.8%		
Boyd Gaming Corp.	54,911	3,809,176
Texas Roadhouse, Inc.	24,525	2,753,667
Wingstop, Inc.	32,853	6,575,856
		13,138,699
Household durables – 1.4%		
Skyline Champion Corp. (A)	58,316	3,816,782
Leisure products – 0.8%		
YETI Holdings, Inc. (A)	54,612	2,121,130
Textiles, apparel and luxury goods – 1.8%		
Crocs, Inc. (A)	45,090	5,069,920
		30,925,816

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer staples – 5.0%		
Beverages – 2.1%		
Celsius Holdings, Inc. (A)	37,576	\$ 5,605,963
Food products – 1.0%		
TreeHouse Foods, Inc. (A)	56,253	2,834,026
Personal care products – 1.9%		
e.l.f. Beauty, Inc. (A)	44,982	5,138,294
		13,578,283
Energy – 3.7%		
Energy equipment and services – 1.2%		
Cactus, Inc., Class A	80,490	3,406,337
Oil, gas and consumable fuels – 2.5%		
Chord Energy Corp.	19,814	3,047,393
Viper Energy Partners LP	137,844	3,698,355
		6,745,748
		10,152,085
Financials – 2.6%		
Banks – 0.7%		
Cadence Bank	97,427	1,913,466
Capital markets – 0.9%		
PJT Partners, Inc., Class A	34,044	2,370,824
Mortgage real estate investment trusts – 1.0%		
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	109,912	2,747,800
		7,032,090
Health care – 23.9%		
Biotechnology – 10.5%		
Akero Therapeutics, Inc. (A)	17,544	819,129
Amicus Therapeutics, Inc. (A)	96,784	1,215,607
Apellis Pharmaceuticals, Inc. (A)	20,927	1,906,450
Ascendis Pharma A/S, ADR (A)	6,327	564,685
Bioxeel Therapeutics, Inc. (A)(B)	26,337	175,404
Blueprint Medicines Corp. (A)	23,351	1,475,783
Celldex Therapeutics, Inc. (A)	28,983	983,393
Crinetics Pharmaceuticals, Inc. (A)	56,361	1,015,625
Cytokinetics, Inc. (A)	54,292	1,771,005
Immatics NV (A)(B)	101,839	1,175,222
Immunocore Holdings PLC, ADR (A)	23,337	1,399,287
ImmunoGen, Inc. (A)	55,584	1,048,870
Intellia Therapeutics, Inc. (A)	34,847	1,421,061
Karuna Therapeutics, Inc. (A)	13,675	2,965,424
Kymera Therapeutics, Inc. (A)	26,811	616,385
Merus NV (A)	42,628	1,122,395
Morphic Holding, Inc. (A)	16,207	929,147
Prothena Corp. PLC (A)	23,626	1,613,183
PTC Therapeutics, Inc. (A)	32,830	1,335,196
REVOLUTION Medicines, Inc. (A)	38,387	1,026,852
Rocket Pharmaceuticals, Inc. (A)	54,538	1,083,670
Syndax Pharmaceuticals, Inc. (A)	44,872	939,171
Vaxcyte, Inc. (A)	39,034	1,949,358
		28,552,302
Health care equipment and supplies – 8.2%		
Glaukos Corp. (A)	68,643	4,888,068
Haemonetics Corp. (A)	47,739	4,064,498
Inari Medical, Inc. (A)	45,848	2,665,603
Inspire Medical Systems, Inc. (A)	20,302	6,590,841
Lantheus Holdings, Inc. (A)	8,795	738,076
Shockwave Medical, Inc. (A)	12,305	3,511,970
		22,459,056
Health care providers and services – 3.1%		
Acadia Healthcare Company, Inc. (A)	34,256	2,728,148
Cross Country Healthcare, Inc. (A)	117,641	3,303,359

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
HealthEquity, Inc. (A)	36,456	\$ 2,301,832
		8,333,339
Pharmaceuticals – 2.1%		
Aclaris Therapeutics, Inc. (A)	73,692	764,186
Intra-Cellular Therapies, Inc. (A)	40,258	2,549,137
Revance Therapeutics, Inc. (A)	32,656	826,523
Verona Pharma PLC, ADR (A)	70,539	1,491,194
		5,631,040
		64,975,737
Industrials – 23.1%		
Aerospace and defense – 1.4%		
Curtiss-Wright Corp.	20,632	3,789,273
Building products – 3.0%		
The AZEK Company, Inc. (A)	145,541	4,408,437
Zurn Elkay Water Solutions Corp.	144,061	3,873,800
		8,282,237
Commercial services and supplies – 1.5%		
Aris Water Solutions, Inc., Class A	90,180	930,658
Casella Waste Systems, Inc., Class A (A)	35,175	3,181,579
		4,112,237
Construction and engineering – 4.2%		
Ameresco, Inc., Class A (A)	51,630	2,510,767
Comfort Systems USA, Inc.	25,924	4,256,721
Fluor Corp. (A)	155,764	4,610,614
		11,378,102
Electrical equipment – 2.4%		
Acuty Brands, Inc.	11,029	1,798,609
Shoals Technologies Group, Inc., Class A (A)	180,430	4,611,791
		6,410,400
Machinery – 0.9%		
The Middleby Corp. (A)	17,212	2,544,450
Professional services – 5.6%		
EXL Service Holdings, Inc. (A)	32,087	4,847,062
TriNet Group, Inc. (A)	34,906	3,315,023
Verra Mobility Corp. (A)	357,836	7,056,528
		15,218,613
Trading companies and distributors – 4.1%		
Applied Industrial Technologies, Inc.	40,750	5,901,823
Rush Enterprises, Inc., Class A	43,864	2,664,299
WESCO International, Inc.	14,852	2,659,399
		11,225,521
		62,960,833
Information technology – 17.0%		
Communications equipment – 1.7%		
Calix, Inc. (A)	90,974	4,540,512
Electronic equipment, instruments and components – 1.5%		
Novanta, Inc. (A)	22,255	4,097,146
IT services – 0.5%		
Perficient, Inc. (A)	18,540	1,544,938
Semiconductors and semiconductor equipment – 3.0%		
Lattice Semiconductor Corp. (A)	22,239	2,136,501
MKS Instruments, Inc.	10,500	1,135,050
SiTime Corp. (A)	16,268	1,919,136
Synaptics, Inc. (A)	35,412	3,023,477
		8,214,164
Software – 10.3%		
Clearwater Analytics Holdings, Inc., Class A (A)	87,933	1,395,497

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
CyberArk Software, Ltd. (A)	17,900	\$ 2,798,307
DoubleVerify Holdings, Inc. (A)	123,960	4,824,523
Five9, Inc. (A)	45,120	3,720,144
Intapp, Inc. (A)	20,300	850,773
Jamf Holding Corp. (A)	160,666	3,136,200
Manhattan Associates, Inc. (A)	25,281	5,053,166
PowerSchool Holdings, Inc., Class A (A)	190,848	3,652,831
RingCentral, Inc., Class A (A)	22,465	735,279
Sprout Social, Inc., Class A (A)	39,139	1,806,656
		<u>27,973,376</u>
		46,370,136
Materials – 3.3%		
Chemicals – 3.3%		
Cabot Corp.	72,334	4,838,421
Livent Corp. (A)(B)	149,656	4,105,064
		<u>8,943,485</u>
Real estate – 2.8%		
Hotel and resort REITs – 1.5%		
Ryman Hospitality Properties, Inc.	44,373	4,123,139
Retail REITs – 1.3%		
Phillips Edison & Company, Inc.	100,110	3,411,749
		<u>7,534,888</u>
TOTAL COMMON STOCKS (Cost \$238,929,149)		\$ 262,988,127
EXCHANGE-TRADED FUNDS – 2.5%		
iShares Russell 2000 Growth ETF (B)	27,749	6,733,572
TOTAL EXCHANGE-TRADED FUNDS (Cost \$6,305,751)		\$ 6,733,572
SHORT-TERM INVESTMENTS – 4.1%		
Short-term funds – 3.2%		
John Hancock Collateral Trust, 5.1773% (C)(D)	881,983	8,815,245
Repurchase agreement – 0.9%		
Societe Generale SA Tri-Party Repurchase Agreement dated 6-30-23 at 5.050% to be repurchased at \$2,401,010 on 7-3-23, collateralized by \$2,511,800 U.S. Treasury Bills, 0.000% due 12-21-23 (valued at \$2,448,000)	\$ 2,400,000	2,400,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$11,215,780)		\$ 11,215,245
Total Investments (Small Cap Stock Trust) (Cost \$256,450,680) – 103.2%		\$ 280,936,944
Other assets and liabilities, net – (3.2%)		(8,639,110)
TOTAL NET ASSETS – 100.0%		\$ 272,297,834

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Small Cap Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.9%		
Communication services – 1.4%		
Shutterstock, Inc.	100,062	\$ 4,870,018
Media – 0.3%		
WideOpenWest, Inc. (A)	148,011	1,249,213
		<u>6,119,231</u>
Consumer discretionary – 9.7%		
Automobile components – 1.4%		
Visteon Corp. (A)	43,246	6,210,558
Hotels, restaurants and leisure – 1.4%		
Aramark	23,198	998,674
Wyndham Hotels & Resorts, Inc.	78,746	5,399,613
		<u>6,398,287</u>
Household durables – 3.9%		
Century Communities, Inc.	78,802	6,037,809
Sonos, Inc. (A)	303,396	4,954,457
Tri Pointe Homes, Inc. (A)	201,060	6,606,832
		<u>17,599,098</u>
Specialty retail – 1.5%		
Five Below, Inc. (A)	3,106	610,453
Monro, Inc.	148,444	6,031,280
		<u>6,641,733</u>
Textiles, apparel and luxury goods – 1.5%		
Deckers Outdoor Corp. (A)	610	321,873
Kontoor Brands, Inc.	148,517	6,252,566
		<u>6,574,439</u>
		43,424,115
Consumer staples – 2.4%		
Consumer staples distribution and retail – 0.1%		
U.S. Foods Holding Corp. (A)	8,734	384,296
Food products – 0.9%		
Post Holdings, Inc. (A)	48,811	4,229,473
Household products – 1.4%		
Spectrum Brands Holdings, Inc.	80,756	6,303,006
		<u>10,916,775</u>
Energy – 4.2%		
Oil, gas and consumable fuels – 4.2%		
Chesapeake Energy Corp.	5,222	436,977
Chord Energy Corp.	46,489	7,150,008
Gulfport Energy Corp. (A)	39,416	4,141,439
Sitio Royalties Corp., Class A	259,731	6,823,133
		<u>18,551,557</u>
Financials – 23.5%		
Banks – 13.1%		
1st Source Corp.	119,579	5,013,947
Berkshire Hills Bancorp, Inc.	163,264	3,384,463
Cadence Bank	249,621	4,902,556
Eastern Bankshares, Inc.	358,319	4,396,574
Enterprise Financial Services Corp.	114,603	4,480,977
First Busey Corp.	242,654	4,877,345
First Citizens BancShares, Inc., Class A	648	831,676
First Interstate BancSystem, Inc., Class A	180,277	4,297,804
Hancock Whitney Corp.	151,764	5,824,702
International Bancshares Corp.	99,686	4,406,121
National Bank Holdings Corp., Class A	155,924	4,528,033
Seacoast Banking Corp. of Florida	251,268	5,553,023
Synovus Financial Corp.	178,541	5,400,865

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Webster Financial Corp.	12,654	\$ 477,689
		58,375,775
Capital markets – 1.1%		
Houlihan Lokey, Inc.	52,978	5,208,267
Consumer finance – 1.3%		
Bread Financial Holdings, Inc.	182,712	5,735,330
Financial services – 1.4%		
NMI Holdings, Inc., Class A (A)	241,424	6,233,568
Insurance – 6.6%		
Assured Guaranty, Ltd.	95,316	5,318,633
Kemper Corp.	151,651	7,318,677
ProAssurance Corp.	386,802	5,836,842
Reinsurance Group of America, Inc.	5,826	808,008
SiriusPoint, Ltd. (A)	544,873	4,920,203
White Mountains Insurance Group, Ltd.	3,911	5,432,027
		29,634,390
		105,187,330
Health care – 3.6%		
Health care equipment and supplies – 3.6%		
Haemonetics Corp. (A)	39,373	3,352,217
ICU Medical, Inc. (A)	32,623	5,813,092
Integra LifeSciences Holdings Corp. (A)	168,605	6,934,724
		16,100,033
Industrials – 21.5%		
Aerospace and defense – 1.1%		
Leonardo DRS, Inc. (A)(B)	279,579	4,847,900
Building products – 1.7%		
American Woodmark Corp. (A)	92,992	7,101,799
Fortune Brands Innovations, Inc.	8,615	619,849
		7,721,648
Commercial services and supplies – 6.2%		
ACCO Brands Corp.	736,927	3,839,390
Brady Corp., Class A	120,574	5,735,705
BrightView Holdings, Inc. (A)	438,891	3,151,237
Clean Harbors, Inc. (A)	2,165	355,991
SP Plus Corp. (A)	225,441	8,816,998
UniFirst Corp.	37,296	5,781,253
		27,680,574
Electrical equipment – 0.7%		
Thermon Group Holdings, Inc. (A)	108,744	2,892,590
Machinery – 2.2%		
John Bean Technologies Corp.	45,871	5,564,152
Luxfer Holdings PLC	287,534	4,091,609
		9,655,761
Professional services – 7.0%		
Huron Consulting Group, Inc. (A)	84,230	7,151,969
ICF International, Inc.	34,509	4,292,575
Science Applications International Corp.	53,312	5,996,534
Sterling Check Corp. (A)	454,510	5,572,293
TriNet Group, Inc. (A)	35,807	3,400,591
WNS Holdings, Ltd., ADR (A)	67,352	4,965,189
		31,379,151
Trading companies and distributors – 2.6%		
Air Lease Corp.	175,206	7,332,371
GATX Corp.	34,544	4,447,195
		11,779,566
		95,957,190
Information technology – 9.2%		
Electronic equipment, instruments and components – 4.1%		
Belden, Inc.	76,689	7,335,303

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
CTS Corp.	109,286	\$ 4,658,862
ePlus, Inc. (A)	112,386	6,327,332
		18,321,497
IT services – 1.5%		
Perficient, Inc. (A)	79,211	6,600,653
Semiconductors and semiconductor equipment – 0.5%		
Onto Innovation, Inc. (A)	18,654	2,172,631
Software – 3.1%		
ACI Worldwide, Inc. (A)	264,745	6,134,142
Progress Software Corp.	133,905	7,779,881
		13,914,023
		41,008,804
Materials – 8.3%		
Chemicals – 6.0%		
Axalta Coating Systems, Ltd. (A)	199,582	6,548,285
Element Solutions, Inc.	461,913	8,868,730
HB Fuller Company	81,114	5,800,462
Mativ Holdings, Inc.	363,449	5,495,349
		26,712,826
Containers and packaging – 2.3%		
Sealed Air Corp.	15,656	626,240
TriMas Corp.	350,740	9,641,843
		10,268,083
		36,980,909
Real estate – 11.1%		
Diversified REITs – 1.0%		
Alexander & Baldwin, Inc.	229,330	4,260,951
Hotel and resort REITs – 1.2%		
Pebblebrook Hotel Trust	386,044	5,381,453
Industrial REITs – 0.9%		
LXP Industrial Trust	392,020	3,822,195
Residential REITs – 2.6%		
Centerspace	84,081	5,159,210
Independence Realty Trust, Inc.	367,160	6,689,655
		11,848,865
Retail REITs – 3.9%		
Kimco Realty Corp.	27,736	546,954
NETSTREIT Corp.	228,205	4,078,023
Phillips Edison & Company, Inc.	170,778	5,820,114
RPT Realty	669,209	6,993,234
		17,438,325
Specialized REITs – 1.5%		
PotlatchDeltic Corp.	129,756	6,857,605
		49,609,394
Utilities – 3.0%		
Electric utilities – 1.0%		
Portland General Electric Company	94,007	4,402,348
Gas utilities – 2.0%		
New Jersey Resources Corp.	91,492	4,318,422
ONE Gas, Inc.	63,328	4,864,224
		9,182,646
		13,584,994
TOTAL COMMON STOCKS (Cost \$417,243,005)		\$ 437,440,332
SHORT-TERM INVESTMENTS – 2.2%		
Short-term funds – 0.3%		
John Hancock Collateral Trust, 5.1773% (C)(D)	137,084	1,370,131

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 1.9%		
Bank of America Tri-Party Repurchase Agreement dated 6-30-23 at 5.060% to be repurchased at \$8,203,458 on 7-3-23, collateralized by \$9,601,600 U.S. Treasury Notes, 1.375% due 10-31-28 (valued at \$8,364,042)	\$ 8,200,000	\$ 8,200,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,570,207)		\$ 9,570,131
Total Investments (Small Cap Value Trust) (Cost \$426,813,212) – 100.1%		\$ 447,010,463
Other assets and liabilities, net – (0.1%)		(369,682)
TOTAL NET ASSETS – 100.0%		\$ 446,640,781

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Small Company Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.6%		
Communication services – 1.0%		
Diversified telecommunication services – 0.1%		
Frontier Communications Parent, Inc. (A)	8,400	\$ 156,576
Media – 0.9%		
Advantage Solutions, Inc. (A)	80,296	187,893
Boston Omaha Corp., Class A (A)	8,596	161,777
Nexstar Media Group, Inc.	700	116,585
The New York Times Company, Class A	16,326	642,918
		1,109,173
		1,265,749
Consumer discretionary – 11.1%		
Automobile components – 1.4%		
Dorman Products, Inc. (A)	8,687	684,796
LCI Industries	5,608	708,627
Visteon Corp. (A)	2,842	408,140
		1,801,563
Broadline retail – 0.2%		
Kohl's Corp.	8,900	205,145
Savers Value Village, Inc. (A)	4,860	115,182
		320,327
Distributors – 0.2%		
Pool Corp.	781	292,594
Diversified consumer services – 1.0%		
Strategic Education, Inc.	18,026	1,222,884
Hotels, restaurants and leisure – 3.2%		
BJ's Restaurants, Inc. (A)	13,383	425,579
Cava Group, Inc. (A)(B)	40,270	1,649,057
Marriott Vacations Worldwide Corp.	5,536	679,378
Papa John's International, Inc.	12,450	919,184
Wyndham Hotels & Resorts, Inc.	4,200	287,994
		3,961,192
Household durables – 1.3%		
Cavco Industries, Inc. (A)	1,062	313,290

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Meritage Homes Corp.	8,869	\$ 1,261,793
		1,575,083
Leisure products – 0.2%		
Peloton Interactive, Inc., Class A (A)	27,100	208,399
Specialty retail – 2.8%		
Academy Sports & Outdoors, Inc.	5,554	300,194
Asbury Automotive Group, Inc. (A)	3,779	908,547
Caleres, Inc.	12,838	307,213
Farfetch, Ltd., Class A (A)	39,672	239,619
Floor & Decor Holdings, Inc., Class A (A)	2,900	301,484
Hibbett, Inc.	5,903	214,220
Monro, Inc.	18,568	754,418
Petco Health & Wellness Company, Inc. (A)	40,090	356,801
The Children's Place, Inc. (A)	6,800	157,828
		3,540,324
Textiles, apparel and luxury goods – 0.8%		
Canada Goose Holdings, Inc. (A)(B)	5,200	92,560
Steven Madden, Ltd.	26,298	859,682
		952,242
		13,874,608
Consumer staples – 2.6%		
Beverages – 0.7%		
Coca-Cola Consolidated, Inc.	1,344	854,811
Consumer staples distribution and retail – 0.1%		
Sprouts Farmers Market, Inc. (A)	4,800	176,304
Food products – 1.8%		
Nomad Foods, Ltd. (A)	62,131	1,088,535
Post Holdings, Inc. (A)	7,124	617,295
The Simply Good Foods Company (A)	15,701	574,500
		2,280,330
		3,311,445
Energy – 7.0%		
Energy equipment and services – 3.9%		
Cactus, Inc., Class A	25,119	1,063,036
ChampionX Corp.	51,149	1,587,665
Enerflex, Ltd.	86,523	590,087
Expro Group Holdings NV (A)	28,342	502,220
Liberty Energy, Inc.	49,814	666,013
TechnipFMC PLC (A)	29,100	483,642
		4,892,663
Oil, gas and consumable fuels – 3.1%		
International Seaways, Inc.	2,996	114,567
Magnolia Oil & Gas Corp., Class A	62,982	1,316,324
Matador Resources Company	36,384	1,903,611
Range Resources Corp.	17,300	508,620
		3,843,122
		8,735,785
Financials – 24.7%		
Banks – 14.8%		
BankUnited, Inc.	53,477	1,152,429
Cathay General Bancorp	16,300	524,697
Columbia Banking System, Inc.	55,442	1,124,364
CrossFirst Bankshares, Inc. (A)	41,410	414,100
Eastern Bankshares, Inc.	94,654	1,161,405
FB Financial Corp.	30,576	857,657
HarborOne Bancorp, Inc.	50,727	440,310
Home BancShares, Inc.	58,844	1,341,643
Independent Bank Corp. (Massachusetts)	6,317	281,170
Live Oak Bancshares, Inc.	30,928	813,716
National Bank Holdings Corp., Class A	30,105	874,249

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Origin Bancorp, Inc.	19,880	\$ 582,484
Pinnacle Financial Partners, Inc.	25,795	1,461,287
Popular, Inc.	20,642	1,249,254
Sandy Spring Bancorp, Inc.	23,500	532,980
Southern First Bancshares, Inc. (A)	14,232	352,242
SouthState Corp.	17,609	1,158,672
Texas Capital Bancshares, Inc. (A)	16,376	843,364
Towne Bank	37,244	865,551
Veritex Holdings, Inc.	20,756	372,155
Webster Financial Corp.	18,204	687,201
Western Alliance Bancorp	14,168	516,707
WSFS Financial Corp.	25,509	962,199
		18,569,836
Capital markets – 1.9%		
Houlihan Lokey, Inc.	12,970	1,275,081
StepStone Group, Inc., Class A	9,663	239,739
Virtus Investment Partners, Inc.	4,421	873,015
		2,387,835
Consumer finance – 1.4%		
Green Dot Corp., Class A (A)	33,383	625,597
NerdWallet, Inc., Class A (A)	20,915	196,810
PRA Group, Inc. (A)	11,665	266,545
PROG Holdings, Inc. (A)	18,881	606,458
		1,695,410
Financial services – 3.3%		
PennyMac Financial Services, Inc.	23,769	1,671,198
Radian Group, Inc.	53,082	1,341,913
Voya Financial, Inc.	4,200	301,182
Walker & Dunlop, Inc.	10,549	834,320
		4,148,613
Insurance – 2.0%		
BRP Group, Inc., Class A (A)	15,106	374,327
First American Financial Corp.	2,000	114,040
James River Group Holdings, Ltd.	30,309	553,442
Palomar Holdings, Inc. (A)	2,611	151,542
ProAssurance Corp.	38,090	574,778
Ryan Specialty Holdings, Inc. (A)	17,266	775,071
		2,543,200
Mortgage real estate investment trusts – 1.3%		
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	39,363	984,075
PennyMac Mortgage Investment Trust	49,655	669,349
		1,653,424
		30,998,318
Health care – 10.9%		
Biotechnology – 4.6%		
Apellis Pharmaceuticals, Inc. (A)	8,225	749,298
Ascendis Pharma A/S, ADR (A)	5,038	449,642
Blueprint Medicines Corp. (A)	8,207	518,682
CRISPR Therapeutics AG (A)	5,591	313,879
Icosavax, Inc. (A)(B)	21,252	211,032
Insmad, Inc. (A)	30,399	641,419
Ionis Pharmaceuticals, Inc. (A)	14,053	576,595
Karuna Therapeutics, Inc. (A)	3,234	701,293
Kymera Therapeutics, Inc. (A)	8,707	200,174
MacroGenics, Inc. (A)	28,651	153,283
MoonLake Immunotherapeutics (A)	1,871	95,421
Syndax Pharmaceuticals, Inc. (A)	12,493	261,478
Verve Therapeutics, Inc. (A)	8,130	152,438
Xencor, Inc. (A)	18,816	469,836

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Zentalis Pharmaceuticals, Inc. (A)	8,383	\$ 236,484
		5,730,954
Health care equipment and supplies – 2.5%		
Atrion Corp.	1,062	600,773
Avanos Medical, Inc. (A)	11,900	304,164
Embecka Corp.	16,352	353,203
Figs, Inc., Class A (A)	63,882	528,304
Lantheus Holdings, Inc. (A)	5,433	455,937
QuidelOrtho Corp. (A)	10,406	862,241
		3,104,622
Health care providers and services – 2.9%		
Agility, Inc. (A)	22,110	364,815
Alignment Healthcare, Inc. (A)	42,700	245,525
Option Care Health, Inc. (A)	9,962	323,665
Select Medical Holdings Corp.	51,216	1,631,742
The Ensign Group, Inc.	8,950	854,367
The Pennant Group, Inc. (A)	19,284	236,808
		3,656,922
Health care technology – 0.7%		
MultiPlan Corp. (A)	210,031	443,165
Phreesia, Inc. (A)	14,646	454,172
		897,337
Pharmaceuticals – 0.2%		
Structure Therapeutics, Inc., ADR (A)	1,852	76,988
Ventyx Biosciences, Inc. (A)	4,300	141,040
		218,028
		13,607,863
Industrials – 14.2%		
Aerospace and defense – 0.8%		
Parsons Corp. (A)	12,936	622,739
Triumph Group, Inc. (A)	30,915	382,419
		1,005,158
Building products – 2.3%		
UFP Industries, Inc.	23,238	2,255,244
Zurn Elkay Water Solutions Corp.	20,500	551,245
		2,806,489
Commercial services and supplies – 1.6%		
Aris Water Solutions, Inc., Class A	31,853	328,723
Brady Corp., Class A	16,354	777,960
MSA Safety, Inc.	3,600	626,256
UniFirst Corp.	2,023	313,585
		2,046,524
Construction and engineering – 0.5%		
Valmont Industries, Inc.	2,166	630,414
Ground transportation – 1.0%		
Landstar System, Inc.	6,450	1,241,883
Machinery – 4.0%		
Alamo Group, Inc.	3,129	575,454
Esab Corp.	10,811	719,364
ESCO Technologies, Inc.	8,261	856,087
Helios Technologies, Inc.	16,121	1,065,437
John Bean Technologies Corp.	1,300	157,690
RBC Bearings, Inc. (A)	2,953	642,189
SPX Technologies, Inc. (A)	8,334	708,140
The Shyft Group, Inc.	14,400	317,664
		5,042,025
Passenger airlines – 0.8%		
Allegiant Travel Company (A)	7,831	988,899
Professional services – 1.1%		
Conduent, Inc. (A)	86,700	294,780

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
FTI Consulting, Inc. (A)	2,768	\$ 526,474
Paycor HCM, Inc. (A)	24,407	577,714
		1,398,968
Trading companies and distributors – 2.1%		
Beacon Roofing Supply, Inc. (A)	17,030	1,413,149
Herc Holdings, Inc.	3,172	434,088
McGrath RentCorp	8,548	790,519
		2,637,756
		17,798,116
Information technology – 6.3%		
Communications equipment – 0.3%		
Viavi Solutions, Inc. (A)	36,997	419,176
Electronic equipment, instruments and components – 3.4%		
Belden, Inc.	8,121	776,774
Knowles Corp. (A)	20,276	366,185
Littelfuse, Inc.	5,709	1,663,089
Mirion Technologies, Inc. (A)	55,097	465,570
Vontier Corp.	29,974	965,463
		4,237,081
Semiconductors and semiconductor equipment – 1.4%		
Entegris, Inc.	1,762	195,265
Lattice Semiconductor Corp. (A)	4,980	478,429
MACOM Technology Solutions Holdings, Inc. (A)	6,900	452,157
Onto Innovation, Inc. (A)	5,336	621,484
		1,747,335
Software – 1.2%		
DoubleVerify Holdings, Inc. (A)	15,094	587,458
Envestnet, Inc. (A)	2,400	142,440
nCino, Inc. (A)	14,023	422,373
Workiva, Inc. (A)	3,191	324,397
		1,476,668
		7,880,260
Materials – 4.7%		
Chemicals – 1.6%		
Element Solutions, Inc.	43,419	833,645
Orion SA	24,407	517,917
Quaker Chemical Corp.	3,652	711,775
		2,063,337
Containers and packaging – 0.4%		
Myers Industries, Inc.	26,984	524,299
Metals and mining – 2.2%		
Carpenter Technology Corp.	10,022	562,535
Constellium SE (A)	59,959	1,031,295
Reliance Steel & Aluminum Company	4,062	1,103,199
		2,697,029
Paper and forest products – 0.5%		
Clearwater Paper Corp. (A)	18,771	587,908
		5,872,573
Real estate – 9.9%		
Diversified REITs – 0.6%		
Essential Properties Realty Trust, Inc.	29,403	692,147
Hotel and resort REITs – 1.0%		
Apple Hospitality REIT, Inc.	86,029	1,299,898
Industrial REITs – 2.0%		
EastGroup Properties, Inc.	6,422	1,114,859

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrial REITs (continued)		
Terreno Realty Corp.	23,785	\$ 1,429,479
		2,544,338
Real estate management and development – 2.6%		
FirstService Corp.	4,999	770,296
Opendoor Technologies, Inc. (A)	89,322	359,074
The St. Joe Company	28,069	1,356,855
Tricon Residential, Inc.	89,318	786,892
		3,273,117
Residential REITs – 0.8%		
Independence Realty Trust, Inc.	28,884	526,266
NexPoint Residential Trust, Inc.	9,436	429,149
		955,415
Retail REITs – 1.0%		
NETSTREIT Corp.	26,990	482,311
Saul Centers, Inc.	21,152	779,028
		1,261,339
Specialized REITs – 1.9%		
CubeSmart	20,164	900,524
PotlatchDeltic Corp.	19,718	1,042,096
Safehold, Inc.	19,722	468,003
		2,410,623
		12,436,877
Utilities – 5.2%		
Electric utilities – 2.9%		
IDACORP, Inc.	18,651	1,913,593
MGE Energy, Inc.	21,290	1,684,252
		3,597,845
Gas utilities – 0.9%		
Chesapeake Utilities Corp.	3,713	441,847
ONE Gas, Inc.	9,802	752,892
		1,194,739
Multi-utilities – 0.6%		
NorthWestern Corp.	14,291	811,157
Water utilities – 0.8%		
Artesian Resources Corp., Class A	5,010	236,572
California Water Service Group	14,089	727,415
		963,987
		6,567,728
TOTAL COMMON STOCKS (Cost \$104,791,228)		\$ 122,349,322
WARRANTS – 0.0%		
Advantage Solutions, Inc. (Expiration Date: 10-28-25; Strike Price: \$11.50) (A)		
	4,703	611
TOTAL WARRANTS (Cost \$6,099)		\$ 611
SHORT-TERM INVESTMENTS – 4.3%		
Short-term funds – 4.3%		
John Hancock Collateral Trust, 5.1773% (C)(D)	207,769	2,076,613
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (C)	706,872	706,872
T. Rowe Price Government Reserve Fund, 5.1068% (C)	2,579,062	2,579,062
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,362,506)		\$ 5,362,547
Total Investments (Small Company Value Trust) (Cost \$110,159,833) – 101.9%		\$ 127,712,480
Other assets and liabilities, net – (1.9%)		(2,407,938)
TOTAL NET ASSETS – 100.0%		\$ 125,304,542

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Small Company Value Trust (continued)

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	The rate shown is the annualized seven-day yield as of 6-30-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Strategic Equity Allocation Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 95.7%		
Communication services – 6.0%		
Diversified telecommunication services – 1.0%		
Anterix, Inc. (A)	3,167	\$ 100,362
AST SpaceMobile, Inc. (A)	10,402	48,889
AT&T, Inc.	753,796	12,023,046
ATN International, Inc.	1,870	68,442
Bandwidth, Inc., Class A (A)	3,948	54,009
BT Group PLC	989,098	1,539,168
Cellnex Telecom SA (A)(B)	80,407	3,248,747
Cogent Communications Holdings, Inc. Consolidated Communications Holdings, Inc. (A)	6,854	461,206
Deutsche Telekom AG	13,455	51,533
EchoStar Corp., Class A (A)	461,119	10,060,927
Elisa OYJ	5,696	98,769
Frontier Communications Parent, Inc. (A)	20,235	1,080,232
Globalstar, Inc. (A)	47,830	891,551
HKT Trust & HKT, Ltd.	114,286	123,429
IDT Corp., Class B (A)	539,421	628,086
Infrastrutture Wireless Italiane SpA (B)	2,592	67,003
Iridium Communications, Inc.	47,812	631,131
Koninklijke KPN NV	26,976	1,675,749
Liberty Latin America, Ltd., Class A (A)	459,506	1,640,424
Liberty Latin America, Ltd., Class C (A)	10,677	93,424
Lumen Technologies, Inc.	19,318	166,521
Nippon Telegraph & Telephone Corp.	162,292	366,780
Ooma, Inc. (A)	4,250,400	5,029,525
Orange SA	4,269	63,907
Radius Global Infrastructure, Inc., Class A (A)	264,909	3,095,845
Singapore Telecommunications, Ltd.	13,657	203,489
Singapore Telecommunications, Ltd.	916,004	1,696,595
Spark New Zealand, Ltd.	258,829	479,287
Swisscom AG	266,235	833,129
Telecom Italia SpA (A)	3,685	2,299,959
Telefonica Deutschland Holding AG	1,417,586	399,660
Telefonica SA	126,953	357,311
Telenor ASA	739,470	3,002,216
Telia Company AB	99,549	1,009,380
Telstra Corp., Ltd.	349,096	765,865
Verizon Communications, Inc.	575,334	1,650,460
	443,273	16,485,323
		72,491,379
Entertainment – 1.0%		
Activision Blizzard, Inc. (A)	75,433	6,359,002
Bollre SE	125,957	785,502
Capcom Company, Ltd.	24,600	975,155
Cinemark Holdings, Inc. (A)	17,808	293,832
Electronic Arts, Inc.	27,469	3,562,729
Embracer Group AB (A)(C)	93,304	233,332
IMAX Corp. (A)	7,330	124,537
Koei Tecmo Holdings Company, Ltd.	16,700	289,267
Konami Group Corp.	14,309	750,378
Liberty Media Corp.-Liberty Braves, Class A (A)	2,255	92,275

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Entertainment (continued)		
Liberty Media Corp.-Liberty Braves, Class C (A)	5,578	\$ 221,000
Lions Gate Entertainment Corp., Class A (A)	9,364	82,684
Lions Gate Entertainment Corp., Class B (A)	19,055	159,109
Live Nation Entertainment, Inc. (A)	15,176	1,382,685
Madison Square Garden Entertainment Corp. (A)	7,016	235,878
Netflix, Inc. (A)	46,873	20,647,088
Nexon Company, Ltd.	55,506	1,064,420
Nintendo Company, Ltd.	147,790	6,737,495
Playstudios, Inc. (A)	14,323	70,326
Sea, Ltd., ADR (A)	51,900	3,012,276
Sphere Entertainment Company (A)	4,307	117,969
Square Enix Holdings Company, Ltd.	12,200	567,640
Take-Two Interactive Software, Inc. (A)	16,718	2,460,221
The Marcus Corp.	4,146	61,485
The Walt Disney Company (A)	192,672	17,201,756
Toho Company, Ltd.	15,908	605,928
Universal Music Group NV	116,564	2,589,444
Vivid Seats, Inc., Class A (A)	4,899	38,800
Warner Brothers Discovery, Inc. (A)	233,746	2,931,175
World Wrestling Entertainment, Inc., Class A	9,298	1,008,554
		74,661,942
Interactive media and services – 3.0%		
Adevinta ASA (A)	41,460	272,447
Alphabet, Inc., Class A (A)	626,424	74,982,953
Alphabet, Inc., Class C (A)	538,842	65,183,717
Auto Trader Group PLC (B)	130,689	1,014,737
Bumble, Inc., Class A (A)	16,444	275,930
CarGurus, Inc. (A)	15,856	358,821
Cars.com, Inc. (A)	10,784	213,739
DHI Group, Inc. (A)	8,996	34,455
Eventbrite, Inc., Class A (A)	12,787	122,116
FuboTV, Inc. (A)(C)	34,396	71,544
Grindr, Inc. (A)	6,835	37,798
Match Group, Inc. (A)	29,361	1,228,758
MediaAlpha, Inc., Class A (A)(C)	4,528	46,684
Meta Platforms, Inc., Class A (A)	233,251	66,938,372
Nextdoor Holdings, Inc. (A)	24,652	80,366
Outbrain, Inc. (A)	8,309	40,880
QuinStreet, Inc. (A)	8,776	77,492
REA Group, Ltd.	7,518	722,203
Scout24 SE (B)	10,670	676,112
SEEK, Ltd.	47,943	700,379
Shutterstock, Inc.	3,997	194,534
TripAdvisor, Inc. (A)	22,715	374,570
TrueCar, Inc. (A)	17,512	39,577
Vimeo, Inc. (A)	25,528	105,175
Yelp, Inc. (A)	10,835	394,502
Z Holdings Corp.	380,054	915,964
Ziff Davis, Inc. (A)	17,693	1,239,572
ZipRecruiter, Inc., Class A (A)	11,274	200,226
ZoomInfo Technologies, Inc. (A)	57,746	1,466,171
		218,009,794
Media – 0.6%		
Advantage Solutions, Inc. (A)	15,794	36,958
AMC Networks, Inc., Class A (A)	5,309	63,443
Boston Omaha Corp., Class A (A)	3,920	73,774
Cable One, Inc.	1,010	663,651
Cardlytics, Inc. (A)	6,189	39,114
Charter Communications, Inc., Class A (A)	10,955	4,024,538
Clear Channel Outdoor Holdings, Inc. (A)	62,459	85,569

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
Comcast Corp., Class A	438,568	\$ 18,222,500
CyberAgent, Inc.	61,200	447,386
Daily Journal Corp. (A)	208	60,170
Dentsu Group, Inc.	28,865	949,287
Entravision Communications Corp., Class A	10,906	47,877
Fox Corp., Class A	28,381	964,954
Fox Corp., Class B	14,393	458,993
Gannett Company, Inc. (A)	24,230	54,518
Gray Television, Inc.	13,548	106,758
Hakuhodo DY Holdings, Inc.	33,273	351,226
iHeartMedia, Inc., Class A (A)	18,085	65,829
Informa PLC	198,003	1,828,195
Integral Ad Science Holding Corp. (A)	6,166	110,865
John Wiley & Sons, Inc., Class A	6,799	231,370
Magnite, Inc. (A)	21,687	296,028
News Corp., Class A	40,183	783,569
News Corp., Class B	12,362	243,779
Nexstar Media Group, Inc.	7,681	1,279,271
Omnicom Group, Inc.	21,037	2,001,671
Paramount Global, Class B	53,458	850,517
Publicis Groupe SA	32,563	2,613,384
PubMatic, Inc., Class A (A)	7,112	130,007
Quotient Technology, Inc. (A)	15,996	61,425
Scholastic Corp.	4,640	180,450
Sinclair, Inc.	5,845	80,778
Stagwell, Inc. (A)	17,849	128,691
TechTarget, Inc. (A)	4,269	132,894
TEGNA, Inc.	84,016	1,364,420
The EW Scripps Company, Class A (A)	10,123	92,625
The Interpublic Group of Companies, Inc.	40,704	1,570,360
The New York Times Company, Class A	35,101	1,382,277
Thryv Holdings, Inc. (A)	5,033	123,812
Vivendi SE	101,990	936,316
WideOpenWest, Inc. (A)	8,772	74,036
WPP PLC	152,885	1,602,508
		44,815,793
Wireless telecommunication services – 0.4%		
Gogo, Inc. (A)	10,798	183,674
KDDI Corp.	212,943	6,576,343
Shenandoah Telecommunications Company	8,025	155,926
SoftBank Corp.	408,600	4,366,010
SoftBank Group Corp.	146,374	6,902,939
Spok Holdings, Inc.	3,399	45,173
Tele2 AB, B Shares	76,004	628,576
Telephone & Data Systems, Inc.	16,619	136,774
T-Mobile US, Inc. (A)	60,728	8,435,119
Vodafone Group PLC	3,264,170	3,077,552
		30,508,086
		440,486,994
Consumer discretionary – 11.0%		
Automobile components – 0.5%		
Adient PLC (A)	35,661	1,366,530
Aisin Corp.	20,958	647,203
American Axle & Manufacturing Holdings, Inc. (A)	18,691	154,575
Aptiv PLC (A)	28,522	2,911,811
Autoliv, Inc.	16,548	1,407,242
BorgWarner, Inc.	24,712	1,208,664
Bridgestone Corp. (C)	81,206	3,336,080
Cie Generale des Etablissements Michelin SCA	96,517	2,855,101
Continental AG	15,650	1,182,364
Cooper-Standard Holdings, Inc. (A)	2,994	42,694

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobile components (continued)		
Dana, Inc.	21,042	\$ 357,714
Denso Corp.	61,695	4,161,457
Dorman Products, Inc. (A)	4,253	335,264
Fox Factory Holding Corp. (A)	15,938	1,729,432
Gentex Corp.	50,064	1,464,873
Gentherm, Inc. (A)	5,372	303,572
Holley, Inc. (A)	9,448	38,642
Koito Manufacturing Company, Ltd.	29,732	539,551
LCI Industries	3,950	499,122
Lear Corp.	12,644	1,815,046
Luminar Technologies, Inc. (A)(C)	44,140	303,683
Modine Manufacturing Company (A)	8,334	275,189
Patrick Industries, Inc.	3,429	274,320
Solid Power, Inc. (A)	27,438	69,693
Standard Motor Products, Inc.	3,330	124,942
Stoneridge, Inc. (A)	4,536	85,504
Sumitomo Electric Industries, Ltd.	101,643	1,245,348
The Goodyear Tire & Rubber Company (A)	105,993	1,449,984
Valeo	29,446	632,773
Visteon Corp. (A)	10,594	1,521,404
XPEL, Inc. (A)	3,663	308,498
		32,648,275
Automobiles – 2.1%		
Bayerische Motoren Werke AG	47,105	5,794,247
Ferrari NV	17,933	5,863,156
Fisker, Inc. (A)(C)	32,032	180,660
Ford Motor Company	414,374	6,269,479
General Motors Company	146,575	5,651,932
Harley-Davidson, Inc.	28,025	986,760
Honda Motor Company, Ltd.	219,073	6,636,567
Isuzu Motors, Ltd.	82,946	1,006,237
Mazda Motor Corp.	80,900	781,833
Mercedes-Benz Group AG	121,763	9,800,863
Nissan Motor Company, Ltd.	330,276	1,355,496
Renault SA	27,347	1,153,867
Stellantis NV	320,021	5,626,225
Subaru Corp.	87,527	1,648,463
Suzuki Motor Corp.	52,443	1,901,729
Tesla, Inc. (A)	284,066	74,359,917
Thor Industries, Inc.	11,465	1,186,628
Toyota Motor Corp.	1,508,700	24,247,954
Volkswagen AG	4,198	701,691
Volvo Car AB, B Shares (A)	84,775	337,296
Winnebago Industries, Inc.	4,665	311,109
Yamaha Motor Company, Ltd.	42,313	1,216,422
		157,018,531
Broadline retail – 2.0%		
Amazon.com, Inc. (A)	941,218	122,697,178
Big Lots, Inc. (C)	5,177	45,713
CarParts.com, Inc. (A)	9,589	40,753
ContextLogic, Inc., Class A (A)(C)	4,173	27,458
Dillard's, Inc., Class A	573	186,958
eBay, Inc.	56,383	2,519,756
Etsy, Inc. (A)	13,006	1,100,438
Kohl's Corp.	23,724	546,838
Macy's, Inc.	58,338	936,325
Next PLC	17,370	1,523,108
Nordstrom, Inc. (C)	24,206	495,497
Ollie's Bargain Outlet Holdings, Inc. (A)	12,332	714,393
Pan Pacific International Holdings Corp.	54,200	970,706
Prosus NV (A)	114,032	8,351,033
Rakuten Group, Inc.	135,805	473,216

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Broadline retail (continued)		
Wesfarmers, Ltd.	161,406	\$ 5,321,445
		145,950,815
Distributors – 0.1%		
D'ieteren Group	3,094	547,592
Genuine Parts Company	14,816	2,507,312
LKQ Corp.	26,774	1,560,121
Pool Corp.	4,116	1,542,018
		6,157,043
Diversified consumer services – 0.1%		
2U, Inc. (A)	13,630	54,929
Adtalem Global Education, Inc. (A)	7,263	249,411
Carriage Services, Inc.	2,228	72,343
Chegg, Inc. (A)	19,223	170,700
Coursera, Inc. (A)	21,156	275,451
Duolingo, Inc. (A)	4,617	659,954
European Wax Center, Inc., Class A (A)	5,670	105,632
frontdoor, Inc. (A)	13,200	421,080
Graham Holdings Company, Class B	1,382	789,785
Grand Canyon Education, Inc. (A)	6,582	679,328
H&R Block, Inc.	32,622	1,039,663
IDP Education, Ltd.	35,638	527,756
Laureate Education, Inc.	21,194	256,235
Lincoln Educational Services Corp. (A)	4,927	33,208
Nerdy, Inc. (A)	10,473	43,672
OneSpaWorld Holdings, Ltd. (A)	12,147	146,979
Pearson PLC	91,695	961,314
Perdoceo Education Corp. (A)	11,114	136,369
Rover Group, Inc. (A)	15,731	77,239
Service Corp. International	32,384	2,091,683
Strategic Education, Inc.	3,666	248,701
Stride, Inc. (A)	6,757	251,563
Udemy, Inc. (A)	14,240	152,795
Universal Technical Institute, Inc. (A)	6,390	44,155
WW International, Inc. (A)	9,166	61,596
		9,551,541
Hotels, restaurants and leisure – 2.1%		
Accel Entertainment, Inc. (A)	9,446	99,750
Accor SA	26,195	974,753
Amadeus IT Group SA (A)	64,092	4,880,629
Aramark	55,828	2,403,395
Aristocrat Leisure, Ltd.	83,965	2,172,410
Bally's Corp. (A)	4,931	76,726
BJ's Restaurants, Inc. (A)	3,771	119,918
Bloomin' Brands, Inc.	14,063	378,154
Bluegreen Vacations Holding Corp.	1,855	66,131
Booking Holdings, Inc. (A)	3,894	10,515,085
Bowlero Corp. (A)	4,797	55,837
Boyd Gaming Corp.	16,448	1,140,998
Brinker International, Inc. (A)	7,046	257,884
Caesars Entertainment, Inc. (A)	22,691	1,156,560
Carnival Corp. (A)	105,907	1,994,229
Carrols Restaurant Group, Inc. (A)	6,751	34,025
Century Casinos, Inc. (A)	4,961	35,223
Chipotle Mexican Grill, Inc. (A)	2,909	6,222,351
Choice Hotels International, Inc. (C)	5,680	667,514
Churchill Downs, Inc.	14,114	1,964,245
Chuy's Holdings, Inc. (A)	2,997	122,338
Compass Group PLC	248,248	6,951,716
Cracker Barrel Old Country Store, Inc.	3,517	327,714
Darden Restaurants, Inc.	12,751	2,130,437
Dave & Buster's Entertainment, Inc. (A)	6,972	310,672
Delivery Hero SE (A)(B)	24,670	1,088,442
Denny's Corp. (A)	9,049	111,484
Dine Brands Global, Inc.	2,466	143,102

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Domino's Pizza, Inc.	3,726	\$ 1,255,625
El Pollo Loco Holdings, Inc.	5,268	46,200
Entain PLC	83,775	1,354,622
Everi Holdings, Inc. (A)	13,686	197,900
Evolution AB (B)	26,073	3,304,069
Expedia Group, Inc. (A)	15,036	1,644,788
Fiesta Restaurant Group, Inc. (A)	3,762	29,870
First Watch Restaurant Group, Inc. (A)	2,620	44,278
Flutter Entertainment PLC (A)	25,099	5,051,444
Full House Resorts, Inc. (A)	6,498	43,537
Galaxy Entertainment Group, Ltd. (A)	311,153	1,982,267
Genting Singapore, Ltd.	860,321	599,879
Global Business Travel Group I (A)	5,576	40,314
Golden Entertainment, Inc. (A)	3,338	139,528
Hilton Grand Vacations, Inc. (A)	29,456	1,338,481
Hilton Worldwide Holdings, Inc.	27,903	4,061,282
Inspired Entertainment, Inc. (A)	3,771	55,471
InterContinental Hotels Group PLC	24,666	1,705,073
International Game Technology PLC	17,517	558,617
Jack in the Box, Inc.	3,329	324,677
Just Eat Takeaway.com NV (A)(B)	29,730	455,718
Krispy Kreme, Inc.	14,185	208,945
Kura Sushi USA, Inc., Class A (A)	978	90,905
La Francaise des Jeux SAEM (B)	14,945	588,216
Las Vegas Sands Corp. (A)	34,652	2,009,816
Life Time Group Holdings, Inc. (A)	7,415	145,853
Light & Wonder, Inc. (A)	34,253	2,355,236
Lindblad Expeditions Holdings, Inc. (A)	6,268	68,196
Marriott International, Inc., Class A	27,188	4,994,164
Marriott Vacations Worldwide Corp.	7,885	967,647
McDonald's Corp.	76,982	22,972,199
McDonald's Holdings Company Japan, Ltd.	12,261	476,787
MGM Resorts International	31,839	1,398,369
Monarch Casino & Resort, Inc.	2,174	153,158
Mondee Holdings, Inc. (A)	7,595	67,671
Nathan's Famous, Inc.	555	43,590
Norwegian Cruise Line Holdings, Ltd. (A)	44,725	973,663
Oriental Land Company, Ltd.	155,200	6,050,624
Papa John's International, Inc.	11,974	884,040
Penn Entertainment, Inc. (A)	33,015	793,350
Planet Fitness, Inc., Class A (A)	18,200	1,227,408
PlayAGS, Inc. (A)	6,739	38,075
Portillo's, Inc., Class A (A)	7,005	157,823
Potbelly Corp. (A)	4,775	41,925
RCI Hospitality Holdings, Inc.	1,414	107,450
Red Robin Gourmet Burgers, Inc. (A)	2,873	39,734
Red Rock Resorts, Inc., Class A	7,581	354,639
Royal Caribbean Cruises, Ltd. (A)	23,190	2,405,731
Rush Street Interactive, Inc. (A)	12,458	38,869
Sabre Corp. (A)	53,764	171,507
Sands China, Ltd. (A)	345,482	1,183,176
SeaWorld Entertainment, Inc. (A)	6,379	357,288
Shake Shack, Inc., Class A (A)	6,078	472,382
Six Flags Entertainment Corp. (A)	11,607	301,550
Sodexo SA	12,587	1,386,047
Starbucks Corp.	120,878	11,974,175
Sweetgreen, Inc., Class A (A)	15,890	203,710
Target Hospitality Corp. (A)	5,298	71,099
Texas Roadhouse, Inc.	14,353	1,611,555
The Cheesecake Factory, Inc.	7,797	269,620
The Lottery Corp., Ltd.	316,654	1,085,573
The Wendy's Company	36,115	785,501
Travel + Leisure Company	16,345	659,357
Whitbread PLC	28,751	1,237,631

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Wingstop, Inc.	6,420	\$ 1,285,027
Wyndham Hotels & Resorts, Inc.	18,394	1,261,277
Wynn Resorts, Ltd.	10,919	1,153,156
Xponential Fitness, Inc., Class A (A)	4,111	70,915
Yum! Brands, Inc.	29,533	4,091,797
		149,921,788
Household durables – 0.8%		
Barratt Developments PLC	140,022	735,916
Beazer Homes USA, Inc. (A)	4,727	133,727
Cavco Industries, Inc. (A)	1,409	415,655
Century Communities, Inc.	4,520	346,322
Cricut, Inc., Class A	7,832	95,550
D.R. Horton, Inc.	32,726	3,982,427
Dream Finders Homes, Inc., Class A (A)(C)	4,004	98,458
Ethan Allen Interiors, Inc.	3,639	102,911
Garmin, Ltd.	16,136	1,682,823
GoPro, Inc., Class A (A)	21,321	88,269
Green Brick Partners, Inc. (A)	4,255	241,684
Hamilton Beach Brands Holding Company, Class B	853	8,240
Helen of Troy, Ltd. (A)	9,025	974,881
Hooker Furnishings Corp.	1,998	37,283
Hovnanian Enterprises, Inc., Class A (A)	799	79,269
Iida Group Holdings Company, Ltd.	22,600	381,913
Installed Building Products, Inc.	3,811	534,150
iRobot Corp. (A)	4,489	203,127
KB Home	28,967	1,497,884
La-Z-Boy, Inc.	6,932	198,532
Legacy Housing Corp. (A)	1,815	42,090
Leggett & Platt, Inc.	28,516	844,644
Lennar Corp., A Shares	26,758	3,353,045
LGI Homes, Inc. (A)	3,340	450,533
M/I Homes, Inc. (A)	4,282	373,348
MDC Holdings, Inc.	9,250	432,623
Meritage Homes Corp.	5,811	826,731
Mohawk Industries, Inc. (A)	5,572	574,808
Newell Brands, Inc.	39,733	345,677
NVR, Inc. (A)	322	2,044,900
Open House Group Company, Ltd.	11,100	400,727
Panasonic Holdings Corp.	314,209	3,852,806
Persimmon PLC	45,440	592,069
PulteGroup, Inc.	23,537	1,828,354
Purple Innovation, Inc.	11,823	32,868
SEB SA	3,543	366,398
Sekisui Chemical Company, Ltd.	51,944	750,444
Sekisui House, Ltd.	87,626	1,770,009
Sharp Corp. (A)	32,400	181,683
Skyline Champion Corp. (A)	8,628	564,703
Snap One Holdings Corp. (A)	3,280	38,212
Sonos, Inc. (A)	20,568	335,875
Sony Group Corp.	179,400	16,194,468
Taylor Morrison Home Corp. (A)	40,109	1,956,116
Taylor Wimpey PLC	502,497	656,458
Tempur Sealy International, Inc.	36,861	1,477,020
The Berkeley Group Holdings PLC	15,322	763,800
The Lovesac Company (A)	2,404	64,788
Toll Brothers, Inc.	22,061	1,744,363
TopBuild Corp. (A)	6,801	1,809,202
Tri Pointe Homes, Inc. (A)	15,789	518,827
Vizio Holding Corp., Class A (A)	12,715	85,826
VOXX International Corp. (A)	2,790	34,819
Vuzix Corp. (A)(C)	10,698	54,560

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Whirlpool Corp.	5,774	\$ 859,113
		58,060,928
Leisure products – 0.2%		
Acushnet Holdings Corp.	5,126	280,290
AMMO, Inc. (A)	16,618	35,396
Bandai Namco Holdings, Inc.	85,279	1,974,832
Brunswick Corp.	15,148	1,312,423
Clarus Corp.	5,881	53,752
Escalade, Inc.	2,249	30,024
Funko, Inc., Class A (A)	6,053	65,493
Hasbro, Inc.	13,738	889,810
JAKKS Pacific, Inc. (A)	1,416	28,278
Johnson Outdoors, Inc., Class A	1,002	61,573
Malibu Boats, Inc., Class A (A)	3,413	200,207
Marine Products Corp.	2,134	35,979
MasterCraft Boat Holdings, Inc. (A)	3,111	95,352
Mattel, Inc. (A)	75,825	1,481,621
Polaris, Inc.	11,459	1,385,737
Shimano, Inc.	10,981	1,838,300
Smith & Wesson Brands, Inc.	7,434	96,939
Sturm Ruger & Company, Inc.	2,694	142,674
Topgolf Callaway Brands Corp. (A)	53,149	1,055,008
Vista Outdoor, Inc. (A)	9,140	252,904
Yamaha Corp.	19,973	769,376
YETI Holdings, Inc. (A)	18,562	720,948
		12,806,916
Specialty retail – 1.7%		
1-800-Flowers.com, Inc., Class A (A)	4,415	34,437
Abercrombie & Fitch Company, Class A (A)	7,874	296,692
Academy Sports & Outdoors, Inc.	11,961	646,492
Advance Auto Parts, Inc.	6,267	440,570
American Eagle Outfitters, Inc.	29,469	347,734
America's Car-Mart, Inc. (A)	984	98,184
Arko Corp.	14,121	112,262
Asbury Automotive Group, Inc. (A)	3,469	834,017
AutoNation, Inc. (A)	6,741	1,109,636
AutoZone, Inc. (A)	1,940	4,837,118
Bath & Body Works, Inc.	24,141	905,288
Best Buy Company, Inc.	20,520	1,681,614
Big 5 Sporting Goods Corp. (C)	4,066	37,245
Boot Barn Holdings, Inc. (A)	4,790	405,665
Build-A-Bear Workshop, Inc.	2,238	47,938
Caleres, Inc.	5,697	136,329
Camping World Holdings, Inc., Class A (C)	6,703	201,760
CarMax, Inc. (A)	16,682	1,396,283
Carvana Company (A)(C)	15,510	402,019
Chico's FAS, Inc. (A)	20,390	109,087
Designer Brands, Inc., Class A (C)	8,361	84,446
Destination XL Group, Inc. (A)	10,414	51,029
Dick's Sporting Goods, Inc.	13,173	1,741,339
Dufry AG (A)	14,023	639,616
EVgo, Inc. (A)(C)	12,407	49,628
Fast Retailing Company, Ltd.	24,938	6,395,969
Five Below, Inc. (A)	11,924	2,343,543
Foot Locker, Inc.	30,226	819,427
Franchise Group, Inc. (C)	3,666	104,994
GameStop Corp., Class A (A)(C)	54,180	1,313,865
Genesco, Inc. (A)	2,212	55,388
Group 1 Automotive, Inc.	2,208	569,885
GrowGeneration Corp. (A)	11,293	38,396
Guess?, Inc.	4,678	90,987
Haverty Furniture Companies, Inc.	2,473	74,734
Hennes & Mauritz AB, B Shares	93,513	1,608,171

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Hibbett, Inc.	2,055	\$ 74,576
Industria de Diseno Textil SA	155,190	6,019,478
JD Sports Fashion PLC	368,583	684,678
Kingfisher PLC	275,832	812,942
Leslie's, Inc. (A)	28,751	269,972
Lithia Motors, Inc.	5,897	1,793,337
Lowe's Companies, Inc.	62,880	14,192,016
MarineMax, Inc. (A)	3,420	116,827
Monro, Inc.	5,000	203,150
Murphy USA, Inc.	4,293	1,335,595
National Vision Holdings, Inc. (A)	12,569	305,301
Nitori Holdings Company, Ltd.	11,411	1,281,390
OneWater Marine, Inc., Class A (A)	1,971	71,429
O'Reilly Automotive, Inc. (A)	6,419	6,132,071
Overstock.com, Inc. (A)	7,360	239,715
PetMed Express, Inc.	3,611	49,796
Revolve Group, Inc. (A)	6,788	111,323
RH (A)	3,825	1,260,682
Ross Stores, Inc.	36,066	4,044,081
Sally Beauty Holdings, Inc. (A)	17,208	212,519
Shoe Carnival, Inc.	2,990	70,205
Signet Jewelers, Ltd.	7,151	466,674
Sleep Number Corp. (A)	3,572	97,444
Sonic Automotive, Inc., Class A	2,492	118,794
Sportsman's Warehouse Holdings, Inc. (A)	7,249	41,319
Stitch Fix, Inc., Class A (A)	14,879	57,284
The Aaron's Company, Inc.	5,286	74,744
The Buckle, Inc.	4,944	171,062
The Children's Place, Inc. (A)	2,288	53,104
The Gap, Inc.	45,702	408,119
The Home Depot, Inc.	106,777	33,169,207
The ODP Corp. (A)	5,534	259,102
The TJX Companies, Inc.	121,414	10,294,693
ThredUp, Inc., Class A (A)	13,145	32,074
Tile Shop Holdings, Inc. (A)	5,773	31,982
Tractor Supply Company	11,553	2,554,368
Ulta Beauty, Inc. (A)	5,281	2,485,212
Upbound Group, Inc.	8,916	277,555
Urban Outfitters, Inc. (A)	10,332	342,299
USS Company, Ltd.	29,248	484,221
Valvoline, Inc.	35,520	1,332,355
Warby Parker, Inc., Class A (A)	13,882	162,281
Williams-Sonoma, Inc.	14,066	1,760,219
Winmark Corp.	453	150,609
Zalando SE (A)(B)	31,872	919,162
ZOZO, Inc.	17,700	367,180
Zumiez, Inc. (A)	3,096	51,579
		125,505,512
Textiles, apparel and luxury goods – 1.4%		
adidas AG	23,048	4,474,263
Burberry Group PLC	53,808	1,451,926
Capri Holdings, Ltd. (A)	26,930	966,518
Carter's, Inc.	8,074	586,172
Cie Financiere Richemont SA, A Shares	74,264	12,615,077
Columbia Sportswear Company	7,576	585,170
Crocs, Inc. (A)	13,287	1,493,990
Deckers Outdoor Corp. (A)	5,647	2,979,696
G-III Apparel Group, Ltd. (A)	7,114	137,087
Hanesbrands, Inc.	57,187	259,629
Hermes International	4,506	9,794,777
Kering SA	10,591	5,848,341
Kontoor Brands, Inc.	9,027	380,037
LVMH Moet Hennessy Louis Vuitton SE	39,284	37,041,364
Moncler SpA	29,303	2,027,409
Movado Group, Inc.	2,675	71,770

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Textiles, apparel and luxury goods (continued)		
NIKE, Inc., Class B	129,913	\$ 14,338,498
Oxford Industries, Inc.	2,436	239,751
Pandora A/S	12,907	1,153,649
Puma SE	15,020	905,108
PVH Corp.	13,451	1,142,931
Ralph Lauren Corp.	4,333	534,259
Skechers USA, Inc., Class A (A)	28,764	1,514,712
Steven Madden, Ltd.	12,357	403,950
Tapestry, Inc.	24,441	1,046,075
The Swatch Group AG	7,484	411,583
The Swatch Group AG, Bearer Shares	4,117	1,203,778
Under Armour, Inc., Class A (A)	40,424	291,861
Under Armour, Inc., Class C (A)	40,610	272,493
Vera Bradley, Inc. (A)	5,583	35,675
VF Corp.	34,834	664,981
Wolverine World Wide, Inc.	12,960	190,382
		105,062,912
		802,684,261
Consumer staples – 7.1%		
Beverages – 1.6%		
Anheuser-Busch InBev SA/NV	123,574	7,003,857
Asahi Group Holdings, Ltd.	68,481	2,657,051
Brown-Forman Corp., Class B	19,285	1,287,852
Budweiser Brewing Company APAC, Ltd. (B)	244,900	633,718
Carlsberg A/S, Class B	14,010	2,243,437
Celsius Holdings, Inc. (A)	8,718	1,300,638
Coca-Cola Consolidated, Inc.	1,753	1,114,943
Coca-Cola Europacific Partners PLC	29,258	1,885,093
Coca-Cola HBC AG (A)	31,336	934,748
Constellation Brands, Inc., Class A	17,002	4,184,702
Davide Campari-Milano NV	74,366	1,030,654
Diageo PLC	320,776	13,790,465
Heineken Holding NV	16,391	1,426,378
Heineken NV	36,876	3,792,201
Keurig Dr. Pepper, Inc.	88,808	2,777,026
Kirin Holdings Company, Ltd. (C)	110,492	1,613,480
MGP Ingredients, Inc.	2,541	270,057
Molson Coors Beverage Company, Class B	19,796	1,303,369
Monster Beverage Corp. (A)	80,567	4,627,768
National Beverage Corp. (A)	3,864	186,824
PepsiCo, Inc.	145,265	26,905,983
Pernod Ricard SA	29,358	6,487,375
Primo Water Corp.	24,915	312,434
Remy Cointreau SA	3,251	521,853
Suntory Beverage & Food, Ltd.	19,759	716,298
The Boston Beer Company, Inc., Class A (A)	2,011	620,273
The Coca-Cola Company	410,389	24,713,626
The Duckhorn Portfolio, Inc. (A)	7,004	90,842
The Vita Coco Company, Inc. (A)	4,615	124,005
Treasury Wine Estates, Ltd.	102,696	770,133
		115,327,083
Consumer staples distribution and retail – 1.5%		
Aeon Company, Ltd.	93,078	1,905,912
BJ's Wholesale Club Holdings, Inc. (A)	28,789	1,813,995
Carrefour SA	84,469	1,600,748
Casey's General Stores, Inc.	7,982	1,946,650
Coles Group, Ltd.	190,409	2,338,011
Costco Wholesale Corp.	46,761	25,175,187
Dollar General Corp.	23,103	3,922,427
Dollar Tree, Inc. (A)	21,924	3,146,094
Endeavour Group, Ltd.	203,839	857,894
Grocery Outlet Holding Corp. (A)	19,160	586,488

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer staples distribution and retail (continued)		
HelloFresh SE (A)	23,274	\$ 575,628
Ingles Markets, Inc., Class A	2,284	188,773
J Sainsbury PLC	234,637	802,100
Jeronimo Martins SGPS SA	40,288	1,109,878
Kesko OYJ, B Shares	38,858	731,783
Kobe Bussan Company, Ltd.	21,400	555,439
Koninklijke Ahold Delhaize NV	138,809	4,732,417
MatsukiyoCocokara & Company	16,300	915,589
Ocado Group PLC (A)	82,306	595,601
Performance Food Group Company (A)	33,450	2,015,028
PriceSmart, Inc.	4,168	308,682
Seven & i Holdings Company, Ltd.	107,229	4,632,523
SpartanNash Company	5,682	127,902
Sprouts Farmers Market, Inc. (A)	38,694	1,421,231
Sysco Corp.	53,425	3,964,135
Target Corp.	48,667	6,419,177
Tesco PLC	1,041,171	3,284,418
The Andersons, Inc.	5,183	239,195
The Chefs' Warehouse, Inc. (A)	5,175	204,368
The Fresh Market, Inc. (A)(C)(D)	9,384	0
The Kroger Company	68,859	3,236,373
U.S. Foods Holding Corp. (A)	48,549	2,136,156
United Natural Foods, Inc. (A)	9,580	187,289
Village Super Market, Inc., Class A	1,931	44,065
Walgreens Boots Alliance, Inc.	75,508	2,151,223
Walmart, Inc.	147,893	23,245,822
Weis Markets, Inc.	2,716	174,394
Welcia Holdings Company, Ltd.	13,400	279,111
Woolworths Group, Ltd.	173,383	4,593,997
		112,165,703
Food products – 1.7%		
Ajinomoto Company, Inc.	64,096	2,553,383
Alico, Inc.	1,522	38,750
Archer-Daniels-Midland Company	57,426	4,339,109
Associated British Foods PLC	49,919	1,264,092
B&G Foods, Inc. (C)	11,412	158,855
Barry Callebaut AG	508	981,496
Benson Hill, Inc. (A)	33,549	43,614
Beyond Meat, Inc. (A)(C)	9,839	127,710
BRC, Inc., Class A (A)(C)	7,174	37,018
Bunge, Ltd.	15,879	1,498,184
Calavo Growers, Inc.	2,933	85,116
Cal-Maine Foods, Inc.	5,943	267,435
Campbell Soup Company	21,157	967,086
Chocoladefabriken Lindt & Spruengli AG	15	1,861,785
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	142	1,785,363
Conagra Brands, Inc.	50,286	1,695,644
Danone SA	91,343	5,597,814
Darling Ingredients, Inc. (A)	34,182	2,180,470
Dole PLC	11,554	156,210
Flowers Foods, Inc.	41,294	1,027,395
Fresh Del Monte Produce, Inc.	5,357	137,728
General Mills, Inc.	61,931	4,750,108
Hormel Foods Corp.	30,542	1,228,399
Hostess Brands, Inc. (A)	21,241	537,822
Ingredion, Inc.	14,142	1,498,345
J&J Snack Foods Corp.	2,402	380,381
JDE Peet's NV	17,881	532,044
John B Sanfilippo & Son, Inc.	1,424	166,992
Kellogg Company	27,106	1,826,944
Kerry Group PLC, Class A	21,469	2,095,440
Kerry Group PLC, Class A (London Stock Exchange)	1,204	116,357
Kikkoman Corp.	19,346	1,104,823

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
Lamb Weston Holdings, Inc.	15,363	\$ 1,765,977
Lancaster Colony Corp.	7,347	1,477,408
Limoneira Company	3,276	50,975
McCormick & Company, Inc.	26,449	2,307,146
MEIJI Holdings Company, Ltd.	31,300	698,956
Mission Produce, Inc. (A)	8,049	97,554
Mondelez International, Inc., Class A	143,595	10,473,819
Mowi ASA	62,533	992,150
Nestle SA	391,238	47,062,615
Nisshin Seifun Group, Inc.	28,100	347,340
Nissin Foods Holdings Company, Ltd.	8,775	725,561
Orkla ASA	106,855	768,332
Pilgrim's Pride Corp. (A)	9,635	207,056
Post Holdings, Inc. (A)	11,470	993,876
Salmar ASA	10,324	416,036
Seneca Foods Corp., Class A (A)	953	31,144
Sovos Brands, Inc. (A)	6,443	126,025
SunOpta, Inc. (A)	15,172	101,501
The Hain Celestial Group, Inc. (A)	14,703	183,935
The Hershey Company	15,530	3,877,841
The J.M. Smucker Company	11,244	1,660,401
The Kraft Heinz Company	84,109	2,985,870
The Simply Good Foods Company (A)	14,622	535,019
TreeHouse Foods, Inc. (A)	8,235	414,879
Tyson Foods, Inc., Class A	30,113	1,536,968
Utz Brands, Inc.	11,661	190,774
Vital Farms, Inc. (A)	5,207	62,432
Westrock Coffee Company (A)(C)	4,828	52,480
WH Group, Ltd. (B)	1,186,500	631,899
Wilmar International, Ltd.	273,303	769,952
Yakult Honsha Company, Ltd.	18,203	1,151,268
		123,739,101
Household products – 0.9%		
Central Garden & Pet Company (A)	2,373	92,001
Central Garden & Pet Company, Class A (A)	5,608	204,468
Church & Dwight Company, Inc.	25,755	2,581,424
Colgate-Palmolive Company	87,471	6,738,766
Energizer Holdings, Inc.	25,762	865,088
Essity AB, B Shares	86,659	2,307,873
Henkel AG & Company KGaA	14,784	1,040,707
Kimberly-Clark Corp.	35,574	4,911,346
Oil-Dri Corp. of America	956	56,394
Reckitt Benckiser Group PLC	101,888	7,656,961
The Clorox Company	13,035	2,073,086
The Procter & Gamble Company	248,520	37,710,425
Unicharm Corp.	57,400	2,134,411
WD-40 Company	2,162	407,861
		68,780,811
Personal care products – 0.8%		
Beiersdorf AG	14,341	1,899,086
BellRing Brands, Inc. (A)	49,959	1,828,499
Coty, Inc., Class A (A)	78,556	965,453
e.l.f. Beauty, Inc. (A)	8,072	922,065
Edgewell Personal Care Company	8,253	340,931
Haleon PLC	722,584	2,965,821
Herbalife, Ltd. (A)	16,037	212,330
Inter Parfums, Inc.	2,961	400,416
Kao Corp.	66,275	2,405,113
Kobayashi Pharmaceutical Company, Ltd.	7,200	391,490
Kose Corp.	4,700	451,808
L'Oreal SA	34,263	15,982,875
Medifast, Inc.	1,744	160,727
Nu Skin Enterprises, Inc., Class A	8,101	268,953
Shiseido Company, Ltd.	56,860	2,577,448

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Personal care products (continued)		
The Beauty Health Company (A)	13,535	\$ 113,288
The Estee Lauder Companies, Inc., Class A	24,449	4,801,295
Unilever PLC	359,373	18,714,054
USANA Health Sciences, Inc. (A)	1,858	117,128
		55,518,780
Tobacco – 0.6%		
Altria Group, Inc.	188,218	8,526,275
British American Tobacco PLC	302,197	10,040,621
Imperial Brands PLC	124,897	2,764,526
Japan Tobacco, Inc. (C)	170,766	3,740,797
Philip Morris International, Inc.	163,666	15,977,075
Turning Point Brands, Inc.	2,819	67,684
Universal Corp.	3,735	186,526
Vector Group, Ltd.	23,215	297,384
		41,600,888
		517,132,366
Energy – 4.1%		
Energy equipment and services – 0.4%		
Archrock, Inc.	22,557	231,209
Atlas Energy Solutions, Inc., Class A	2,679	46,507
Baker Hughes Company	106,743	3,374,146
Borr Drilling, Ltd. (New York Stock Exchange) (A)(C)	37,143	279,687
Bristow Group, Inc. (A)	3,923	112,708
Cactus, Inc., Class A	10,437	441,694
ChampionX Corp.	74,458	2,311,176
Core Laboratories, Inc.	7,722	179,537
Diamond Offshore Drilling, Inc. (A)	16,556	235,757
DMC Global, Inc. (A)	3,479	61,787
Dril-Quip, Inc. (A)	5,549	129,125
Expro Group Holdings NV (A)	14,319	253,733
Forum Energy Technologies, Inc. (A)	1,895	48,493
Halliburton Company	95,128	3,138,273
Helix Energy Solutions Group, Inc. (A)	23,396	172,662
Helmerich & Payne, Inc.	16,087	570,284
Liberty Energy, Inc.	27,392	366,231
Nabors Industries, Ltd. (A)	1,498	139,359
Newpark Resources, Inc. (A)	13,630	71,285
NexTier Oilfield Solutions, Inc. (A)	31,411	280,814
Noble Corp. PLC (A)	17,103	706,525
NOV, Inc.	84,344	1,352,878
Oceaneering International, Inc. (A)	16,425	307,148
Oil States International, Inc. (A)	10,887	81,326
Patterson-UTI Energy, Inc.	33,604	402,240
ProFrac Holding Corp., Class A (A)	4,093	45,678
ProPetro Holding Corp. (A)	16,120	132,829
Ranger Energy Services, Inc. (A)	3,108	31,826
RPC, Inc.	14,084	100,701
Schlumberger, Ltd.	150,288	7,382,147
SEACOR Marine Holdings, Inc. (A)	4,410	50,406
Seadrill, Ltd. (A)	8,137	335,814
Select Water Solutions, Inc.	13,978	113,222
Solaris Oilfield Infrastructure, Inc., Class A	5,885	49,022
Tenaris SA	67,181	1,004,964
TETRA Technologies, Inc. (A)	21,999	74,357
Tidewater, Inc. (A)	7,661	424,726
U.S. Silica Holdings, Inc. (A)	12,281	148,969
Valaris, Ltd. (A)	22,678	1,427,127
Weatherford International PLC (A)	11,449	760,443
		27,376,815
Oil, gas and consumable fuels – 3.7%		
Aker BP ASA	44,958	1,054,777
Amplify Energy Corp. (A)	6,526	44,181

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Ampol, Ltd.	33,903	\$ 677,262
Antero Midstream Corp.	71,927	834,353
Antero Resources Corp. (A)	59,152	1,362,271
APA Corp.	32,539	1,111,858
Arch Resources, Inc.	2,894	326,327
Ardmore Shipping Corp.	6,650	82,128
Berry Corp.	13,129	90,328
BP PLC	2,517,409	14,657,297
California Resources Corp.	11,280	510,871
Callon Petroleum Company (A)	9,869	346,106
Centrus Energy Corp., Class A (A)	2,074	67,529
Chevron Corp.	183,749	28,912,905
Chord Energy Corp.	15,557	2,392,667
Civitas Resources, Inc.	11,089	769,244
Clean Energy Fuels Corp. (A)	28,356	140,646
CNX Resources Corp. (A)	61,482	1,089,461
Comstock Resources, Inc.	15,036	174,418
ConocoPhillips	127,590	13,219,600
CONSOL Energy, Inc.	5,423	367,734
Coterra Energy, Inc.	79,866	2,020,610
Crescent Energy Company, Class A	6,476	67,480
CVR Energy, Inc.	4,724	141,531
Delek US Holdings, Inc.	10,614	254,205
Denbury, Inc. (A)	8,071	696,204
Devon Energy Corp.	67,662	3,270,781
DHT Holdings, Inc.	21,616	184,384
Diamondback Energy, Inc.	19,094	2,508,188
Dorian LPG, Ltd.	5,026	128,917
DT Midstream, Inc.	20,756	1,028,875
Earthstone Energy, Inc., Class A (A)	9,165	130,968
Encore Energy Corp. (A)	26,038	62,752
ENEOS Holdings, Inc.	409,911	1,408,954
Energy Fuels, Inc. (A)(C)	25,746	160,655
Eni SpA	330,271	4,754,709
Enviva, Inc.	5,401	58,601
EOG Resources, Inc.	61,668	7,057,286
EQT Corp.	38,132	1,568,369
Equinor ASA	135,531	3,946,506
Equitrans Midstream Corp.	163,153	1,559,743
Evolution Petroleum Corp.	5,942	47,952
Excelerate Energy, Inc., Class A	3,048	61,966
Exxon Mobil Corp.	426,297	45,720,353
FLEX LNG, Ltd. (C)	4,470	136,469
Galp Energia SGPS SA	70,007	818,094
Gevo, Inc. (A)(C)	40,845	62,084
Golar LNG, Ltd.	16,209	326,936
Granite Ridge Resources, Inc.	6,646	30,803
Green Plains, Inc. (A)	9,437	304,249
Gulfport Energy Corp. (A)	1,590	167,061
Hallador Energy Company (A)	4,204	36,028
Hess Corp.	29,138	3,961,311
HF Sinclair Corp.	27,602	1,231,325
Idemitsu Kosan Company, Ltd.	29,686	595,651
Impex Corp.	138,141	1,517,680
International Seaways, Inc.	6,482	247,872
Kinder Morgan, Inc.	207,956	3,581,002
Kinetik Holdings, Inc.	2,846	100,008
Kosmos Energy, Ltd. (A)	73,735	441,673
Magnolia Oil & Gas Corp., Class A	29,539	617,365
Marathon Oil Corp.	65,121	1,499,085
Marathon Petroleum Corp.	44,737	5,216,334
Matador Resources Company	42,485	2,222,815
Murphy Oil Corp.	55,301	2,118,028
Neste OYJ	60,189	2,317,471
NextDecade Corp. (A)	5,385	44,211

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Nordic American Tankers, Ltd.	33,008	\$ 121,139
Northern Oil and Gas, Inc.	12,038	413,144
Occidental Petroleum Corp.	75,759	4,454,629
OMV AG	20,952	889,668
ONEOK, Inc.	47,180	2,911,950
Overseas Shipholding Group, Inc., Class A (A)	10,401	43,372
Ovintiv, Inc.	52,382	1,994,183
Par Pacific Holdings, Inc. (A)	8,859	235,738
PBF Energy, Inc., Class A	42,151	1,725,662
PDC Energy, Inc.	18,735	1,332,808
Peabody Energy Corp.	19,972	432,594
Permian Resources Corp.	40,962	448,944
Phillips 66	48,383	4,614,771
Pioneer Natural Resources Company	24,645	5,105,951
Range Resources Corp.	51,689	1,519,657
Repsol SA (C)	188,847	2,746,590
REX American Resources Corp. (A)	2,608	90,784
Riley Exploration Permian, Inc.	1,519	54,259
Ring Energy, Inc. (A)(C)	22,058	37,719
SandRidge Energy, Inc.	5,460	83,265
Santos, Ltd.	469,697	2,350,123
Scorpio Tankers, Inc.	8,420	397,677
SFL Corp., Ltd.	18,145	169,293
Shell PLC	974,215	29,062,455
SilverBow Resources, Inc. (A)(C)	2,899	84,419
Sitio Royalties Corp., Class A (C)	13,026	342,193
SM Energy Company	19,337	611,629
Southwestern Energy Company (A)	235,914	1,417,843
Talos Energy, Inc. (A)	18,201	252,448
Targa Resources Corp.	23,832	1,813,615
Teekay Corp. (A)	11,267	68,053
Teekay Tankers, Ltd., Class A	3,741	143,018
Tellurian, Inc. (A)	88,147	124,287
The Williams Companies, Inc.	128,448	4,191,258
TotalEnergies SE	336,572	19,320,789
Uranium Energy Corp. (A)(C)	60,052	204,177
VAALCO Energy, Inc.	18,249	68,616
Valero Energy Corp.	38,119	4,471,359
Vertex Energy, Inc. (A)(C)	11,337	70,856
Vital Energy, Inc. (A)	2,757	124,479
Vitesse Energy, Inc.	4,156	93,094
W&T Offshore, Inc. (A)	16,507	63,882
Woodside Energy Group, Ltd.	270,132	6,248,579
World Kinect Corp.	9,617	198,880
		273,815,356
		301,192,171
Financials – 13.9%		
Banks – 5.2%		
Ist Source Corp.	2,533	106,209
ABN AMRO Bank NV (B)	57,460	893,115
ACNB Corp.	1,433	47,533
AIB Group PLC	190,169	800,345
Amalgamated Financial Corp.	3,157	50,796
Amerant Bancorp, Inc.	4,297	73,865
American National Bankshares, Inc.	1,930	55,931
Ameris Bancorp	10,656	364,542
Ames National Corp. (C)	2,022	36,457
ANZ Group Holdings, Ltd.	427,285	6,763,829
Arrow Financial Corp.	2,741	55,204
Associated Banc-Corp.	56,458	916,313
Atlantic Union Bankshares Corp.	11,989	311,115
Axos Financial, Inc. (A)	9,048	356,853
Banc of California, Inc.	8,907	103,143
BancFirst Corp.	3,514	323,288

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Banco Bilbao Vizcaya Argentaria SA	857,896	\$ 6,590,962
Banco Santander SA	2,340,883	8,666,273
Bank First Corp. (C)	988	82,202
Bank Hapoalim BM	180,684	1,490,027
Bank Leumi Le-Israel BM	219,635	1,645,856
Bank of America Corp.	731,038	20,973,480
Bank of Hawaii Corp. (C)	6,347	261,687
Bank of Ireland Group PLC	152,256	1,453,655
Bank of Marin Bancorp	3,085	54,512
Bank OZK	23,092	927,375
BankUnited, Inc.	11,924	256,962
Bankwell Financial Group, Inc.	1,501	36,594
Banner Corp.	5,482	239,399
Banque Cantonale Vaudoise	4,285	452,604
Bar Harbor Bankshares	2,551	62,857
Barclays PLC	2,211,949	4,321,240
BayCom Corp.	2,501	41,717
BCB Bancorp, Inc.	3,267	38,355
Berkshire Hills Bancorp, Inc.	7,054	146,229
Blue Foundry Bancorp (A)	5,290	53,482
BNP Paribas SA	158,046	9,973,644
BOC Hong Kong Holdings, Ltd.	526,241	1,612,048
Bridgewater Bancshares, Inc. (A)	4,301	42,365
Brookline Bancorp, Inc.	14,178	123,916
Burke & Herbert Financial Services Corp.	1,025	65,805
Business First Bancshares, Inc.	4,338	65,374
Byline Bancorp, Inc.	4,088	73,952
C&F Financial Corp.	677	36,355
Cadence Bank	68,327	1,341,942
CaixaBank SA	587,021	2,431,625
Cambridge Bancorp	1,356	73,644
Camden National Corp.	2,423	75,040
Capital Bancorp, Inc.	1,720	31,132
Capital City Bank Group, Inc.	2,197	67,316
Capitol Federal Financial, Inc.	20,706	127,756
Capstar Financial Holdings, Inc.	4,082	50,086
Carter Bankshares, Inc. (A)	4,473	66,156
Cathay General Bancorp	26,482	852,456
Central Pacific Financial Corp.	4,501	70,711
Central Valley Community Bancorp	2,064	31,889
Citigroup, Inc.	205,266	9,450,447
Citizens & Northern Corp.	2,800	54,040
Citizens Financial Group, Inc.	51,032	1,330,915
Citizens Financial Services, Inc.	794	59,129
City Holding Company	2,291	206,167
Civista Bancshares, Inc.	2,694	46,876
CNB Financial Corp.	3,868	68,270
Coastal Financial Corp. (A)	1,935	72,853
Columbia Banking System, Inc.	44,656	905,624
Columbia Financial, Inc. (A)	4,815	83,251
Comerica, Inc.	13,884	588,126
Commerce Bancshares, Inc.	24,313	1,184,043
Commerzbank AG	151,445	1,678,897
Commonwealth Bank of Australia	240,208	16,081,150
Community Bank System, Inc.	8,416	394,542
Community Trust Bancorp, Inc.	2,324	82,665
Concordia Financial Group, Ltd.	150,746	589,396
ConnectOne Bancorp, Inc.	6,161	102,211
Credit Agricole SA	172,197	2,044,644
CrossFirst Bankshares, Inc. (A)	7,859	78,590
Cullen/Frost Bankers, Inc.	13,796	1,483,484
Customers Bancorp, Inc. (A)	4,639	140,376
CVB Financial Corp.	21,660	287,645
Danske Bank A/S (A)	98,129	2,390,069
DBS Group Holdings, Ltd.	257,683	6,017,611

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Dime Community Bancshares, Inc.	5,776	\$ 101,831
DNB Bank ASA	132,341	2,474,870
Eagle Bancorp, Inc.	5,123	108,403
East West Bancorp, Inc.	30,304	1,599,748
Eastern Bankshares, Inc.	25,198	309,179
Enterprise Financial Services Corp.	5,656	221,150
Equity Bancshares, Inc., Class A	2,763	62,941
Erste Group Bank AG	48,918	1,715,939
Esquire Financial Holdings, Inc.	1,289	58,959
ESSA Bancorp, Inc.	2,032	30,378
Farmers & Merchants Bancorp, Inc.	2,104	47,361
Farmers National Banc Corp.	6,412	79,316
FB Financial Corp.	5,724	160,558
Fidelity D&D Bancorp, Inc.	975	47,375
Fifth Third Bancorp	71,775	1,881,223
Financial Institutions, Inc.	3,155	49,660
FinecoBank Banca Fineco SpA	86,874	1,169,377
First Bancorp (North Carolina)	6,355	189,061
First Bancorp (Puerto Rico)	28,302	345,850
First Busey Corp.	8,243	165,684
First Business Financial Services, Inc.	1,340	39,517
First Commonwealth Financial Corp.	15,900	201,135
First Community Bankshares, Inc.	2,975	88,447
First Financial Bancorp	14,761	301,715
First Financial Bankshares, Inc.	48,794	1,390,141
First Financial Corp.	1,984	64,420
First Foundation, Inc.	9,397	37,306
First Horizon Corp.	115,211	1,298,428
First Interstate BancSystem, Inc., Class A	13,185	314,330
First Merchants Corp.	9,457	266,971
First Mid Bancshares, Inc.	3,197	77,176
Five Star Bancorp	2,386	53,375
Flushing Financial Corp.	4,979	61,192
FNB Corp.	77,348	884,861
FS Bancorp, Inc.	1,264	38,008
Fulton Financial Corp.	25,748	306,916
German American Bancorp, Inc.	4,496	122,201
Glacier Bancorp, Inc.	41,641	1,297,950
Great Southern Bancorp, Inc.	1,420	72,037
Greene County Bancorp, Inc. (C)	1,302	38,800
Guaranty Bancshares, Inc.	1,669	45,197
Hancock Whitney Corp.	32,276	1,238,753
Hang Seng Bank, Ltd.	108,790	1,550,869
Hanmi Financial Corp.	5,099	76,128
HarborOne Bancorp, Inc.	7,875	68,355
HBT Financial, Inc.	2,164	39,904
Heartland Financial USA, Inc.	6,833	190,436
Heritage Commerce Corp.	10,350	85,698
Heritage Financial Corp.	5,800	93,786
Hilltop Holdings, Inc.	7,305	229,815
Home Bancorp, Inc.	1,215	40,350
Home BancShares, Inc.	70,569	1,608,973
HomeTrust Bancshares, Inc.	2,832	59,160
Hope Bancorp, Inc.	18,033	151,838
Horizon Bancorp, Inc.	7,505	78,127
HSBC Holdings PLC	2,842,349	22,505,250
Huntington Bancshares, Inc.	152,215	1,640,878
Independent Bank Corp. (Massachusetts)	7,119	316,867
Independent Bank Corp. (Michigan)	3,680	62,413
Independent Bank Group, Inc.	5,903	203,831
ING Groep NV	514,943	6,942,252
International Bancshares Corp.	19,739	872,464
Intesa Sanpaolo SpA	2,296,286	6,020,289
Israel Discount Bank, Ltd., Class A	175,989	879,211
Japan Post Bank Company, Ltd.	210,000	1,637,630

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
John Marshall Bancorp, Inc.	1,961	\$ 39,396
JPMorgan Chase & Co.	308,129	44,814,282
KBC Group NV	35,610	2,485,606
Kearny Financial Corp.	9,808	69,146
KeyCorp	98,618	911,230
Lakeland Bancorp, Inc.	9,906	132,641
Lakeland Financial Corp.	4,016	194,856
LCNB Corp.	2,545	37,564
Live Oak Bancshares, Inc.	5,638	148,336
Lloyds Banking Group PLC	9,426,757	5,225,707
M&T Bank Corp.	17,489	2,164,439
Macatawa Bank Corp.	5,177	48,043
MainStreet Bancshares, Inc.	1,661	37,638
Mediobanca Banca di Credito Finanziario SpA	78,536	940,272
Mercantile Bank Corp.	2,651	73,221
Metrocity Bankshares, Inc.	3,135	56,085
Metropolitan Bank Holding Corp. (A)	1,814	63,000
Mid Penn Bancorp, Inc.	2,611	57,651
Middlefield Banc Corp. (C)	1,714	45,935
Midland States Bancorp, Inc.	3,615	71,975
MidWestOne Financial Group, Inc.	2,737	58,490
Mitsubishi UFJ Financial Group, Inc.	1,624,568	11,974,811
Mizrahi Tefahot Bank, Ltd.	21,954	734,136
Mizuho Financial Group, Inc.	343,150	5,245,209
MVB Financial Corp.	2,201	46,397
National Australia Bank, Ltd.	446,533	7,853,561
National Bank Holdings Corp., Class A	5,743	166,777
National Bankshares, Inc.	1,277	37,276
NatWest Group PLC	815,832	2,493,581
NBT Bancorp, Inc.	6,678	212,694
New York Community Bancorp, Inc.	154,695	1,738,772
Nicolet Bankshares, Inc.	2,043	138,740
Nordea Bank ABP (Nasdaq Stockholm Exchange)	461,565	5,027,679
Northeast Bank	1,389	57,880
Northeast Community Bancorp, Inc.	2,440	36,307
Northfield Bancorp, Inc.	7,138	78,375
Northrim BanCorp, Inc.	1,071	42,122
Northwest Bancshares, Inc.	19,595	207,707
Norwood Financial Corp.	1,512	44,649
Oak Valley Bancorp (C)	1,319	33,226
OceanFirst Financial Corp.	9,349	146,031
OFG Bancorp	7,209	188,011
Old National Bancorp	108,819	1,516,937
Old Second Bancorp, Inc.	7,332	95,756
Orange County Bancorp, Inc. (C)	1,135	41,995
Origin Bancorp, Inc.	4,683	137,212
Orrstown Financial Services, Inc.	2,089	40,004
Oversea-Chinese Banking Corp., Ltd.	481,724	4,382,238
Pacific Premier Bancorp, Inc.	15,299	316,383
PacWest Bancorp (C)	19,742	160,897
Park National Corp.	2,235	228,685
Pathward Financial, Inc.	4,461	206,812
Peapack-Gladstone Financial Corp.	3,003	81,321
Penns Woods Bancorp, Inc.	1,441	36,068
Peoples Bancorp, Inc.	5,211	138,352
Peoples Financial Services Corp.	1,123	49,176
Pinnacle Financial Partners, Inc.	16,440	931,326
Plumas Bancorp	1,063	37,938
Ponce Financial Group, Inc. (A)	4,829	41,964
Preferred Bank	2,156	118,558
Premier Financial Corp.	6,000	96,120
Primis Financial Corp.	4,890	41,174
Princeton Bancorp, Inc.	1,162	31,746

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Prosperity Bancshares, Inc.	20,197	\$ 1,140,727
Provident Financial Services, Inc.	11,357	185,573
QCR Holdings, Inc.	2,690	110,371
RBB Bancorp	3,368	40,214
Red River Bancshares, Inc.	769	37,789
Regions Financial Corp.	98,937	1,763,057
Renasant Corp.	8,759	228,873
Republic Bancorp, Inc., Class A	1,390	59,075
Resona Holdings, Inc.	304,446	1,457,679
S&T Bancorp, Inc.	5,972	162,379
Sandy Spring Bancorp, Inc.	7,005	158,873
Seacoast Banking Corp. of Florida	13,702	302,814
ServisFirst Bancshares, Inc.	8,255	337,795
Shizuoka Financial Group, Inc.	63,508	458,817
Shore Bancshares, Inc.	3,954	45,708
Sierra Bancorp	2,924	49,620
Simmons First National Corp., Class A	19,933	343,844
Skandinaviska Enskilda Banken AB, A Shares	229,894	2,542,686
SmartFinancial, Inc.	2,771	59,604
Societe Generale SA	103,485	2,691,257
South Plains Financial, Inc.	2,203	49,590
Southern First Bancshares, Inc. (A)	1,638	40,541
Southern Missouri Bancorp, Inc.	1,537	59,098
Southern States Bancshares, Inc.	1,486	31,355
Southside Bancshares, Inc.	4,632	121,173
SouthState Corp.	28,369	1,866,680
Standard Chartered PLC	342,432	2,979,186
Stellar Bancorp, Inc.	7,817	178,931
Stock Yards Bancorp, Inc.	4,422	200,626
Sumitomo Mitsui Financial Group, Inc.	185,758	7,961,480
Sumitomo Mitsui Trust Holdings, Inc.	47,183	1,673,844
Summit Financial Group, Inc.	2,177	44,977
Svenska Handelsbanken AB, A Shares	207,511	1,737,334
Swedbank AB, A Shares	120,787	2,038,415
Synovus Financial Corp.	31,301	946,855
Texas Capital Bancshares, Inc. (A)	17,916	922,674
The Bancorp, Inc. (A)	8,678	283,337
The Bank of NT Butterfield & Son, Ltd.	7,986	218,497
The Chiba Bank, Ltd.	75,464	457,625
The Community Financial Corp.	1,206	32,671
The First Bancshares, Inc.	4,883	126,177
The First of Long Island Corp.	4,267	51,289
The Hingham Institution for Savings	262	55,853
The PNC Financial Services Group, Inc.	42,083	5,300,354
Third Coast Bancshares, Inc. (A)	2,733	43,373
Timberland Bancorp, Inc.	1,586	40,570
Tompkins Financial Corp.	2,211	123,153
Towne Bank	11,205	260,404
TriCo Bancshares	5,037	167,228
Triumph Financial, Inc. (A)	3,619	219,746
Truist Financial Corp.	140,439	4,262,324
Trustmark Corp.	9,856	208,159
U.S. Bancorp	147,086	4,859,721
UMB Financial Corp.	16,439	1,001,135
UniCredit SpA	262,306	6,099,550
United Bankshares, Inc.	49,630	1,472,522
United Community Banks, Inc.	18,521	462,840
United Overseas Bank, Ltd.	179,939	3,733,958
Univest Financial Corp.	4,824	87,218
Valley National Bancorp	159,897	1,239,202
Veritex Holdings, Inc.	8,507	152,531
Virginia National Bankshares Corp.	1,061	34,111
Washington Federal, Inc.	10,142	268,966
Washington Trust Bancorp, Inc.	2,938	78,768

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Webster Financial Corp.	37,434	\$ 1,413,134
Wells Fargo & Company	395,637	16,885,787
WesBanco, Inc.	9,210	235,868
West BanCorp, Inc.	3,052	56,187
Westamerica BanCorp	4,107	157,298
Westpac Banking Corp.	499,232	7,108,373
Wintrust Financial Corp.	13,109	951,976
WSFS Financial Corp.	9,768	368,449
Zions Bancorp NA	15,616	419,446
		380,977,932
Capital markets – 2.4%		
3i Group PLC	138,471	3,432,272
abrdrn PLC	284,814	790,925
Affiliated Managers Group, Inc.	7,734	1,159,249
Ameriprise Financial, Inc.	10,985	3,648,778
Amundi SA (B)	8,701	514,044
Artisan Partners Asset Management, Inc., Class A	9,865	387,793
AssetMark Financial Holdings, Inc. (A)	3,633	107,755
ASX, Ltd.	27,542	1,159,050
Avantax, Inc. (A)	6,527	146,074
B. Riley Financial, Inc. (C)	3,052	140,331
BGC Partners, Inc., Class A	50,650	224,380
BlackRock, Inc.	15,791	10,913,792
BrightSphere Investment Group, Inc.	5,293	110,888
Cboe Global Markets, Inc.	11,132	1,536,327
CME Group, Inc.	37,928	7,027,679
Cohen & Steers, Inc.	4,208	244,022
Daiwa Securities Group, Inc.	189,808	978,082
Deutsche Bank AG	275,749	2,898,884
Deutsche Boerse AG	27,031	4,990,312
Diamond Hill Investment Group, Inc.	503	86,164
Donnelley Financial Solutions, Inc. (A)	3,982	181,300
Ellington Financial, Inc.	10,106	139,463
EQT AB	50,593	974,003
Euronext NV (B)	12,190	829,101
Evercore, Inc., Class A	7,558	934,093
FactSet Research Systems, Inc.	4,040	1,618,626
Federated Hermes, Inc.	18,216	653,044
Focus Financial Partners, Inc., Class A (A)	9,447	496,062
Forge Global Holdings, Inc. (A)	20,090	48,819
Franklin Resources, Inc.	30,102	804,024
Futu Holdings, Ltd., ADR (A)	7,800	309,972
GCM Grosvenor, Inc., Class A	7,571	57,085
Hamilton Lane, Inc., Class A	5,902	472,042
Hargreaves Lansdown PLC	50,610	524,635
Hong Kong Exchanges & Clearing, Ltd.	171,371	6,493,078
Interactive Brokers Group, Inc., Class A	22,063	1,832,773
Intercontinental Exchange, Inc.	59,033	6,675,452
Invesco, Ltd.	48,309	812,074
Janus Henderson Group PLC	28,390	773,628
Japan Exchange Group, Inc.	71,400	1,249,392
Jefferies Financial Group, Inc.	40,000	1,326,800
Julius Baer Group, Ltd.	30,417	1,919,542
London Stock Exchange Group PLC	57,130	6,080,536
Macquarie Group, Ltd.	52,234	6,215,212
MarketAxess Holdings, Inc.	3,972	1,038,360
Moelis & Company, Class A	10,738	486,861
Moody's Corp.	16,640	5,786,061
Morgan Stanley	137,357	11,730,288
MSCI, Inc.	8,442	3,961,746
Nasdaq, Inc.	35,705	1,779,894
Nomura Holdings, Inc.	414,013	1,578,431
Northern Trust Corp.	21,968	1,628,708
Open Lending Corp. (A)	16,390	172,259

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
P10, Inc., Class A	7,323	\$ 82,750
Partners Group Holding AG	3,229	3,044,431
Patria Investments, Ltd., Class A	8,932	127,728
Perella Weinberg Partners	7,647	63,700
Piper Sandler Companies	2,773	358,438
PJT Partners, Inc., Class A	3,852	268,253
Raymond James Financial, Inc.	20,110	2,086,815
S&P Global, Inc.	34,585	13,864,781
SBI Holdings, Inc.	34,890	672,887
Schroders PLC	114,670	637,981
Sculptor Capital Management, Inc.	4,896	43,232
SEI Investments Company	21,703	1,293,933
Silvercrest Asset Management Group, Inc., Class A	2,049	41,492
Singapore Exchange, Ltd.	121,948	868,416
St. James's Place PLC	77,978	1,078,400
State Street Corp.	35,244	2,579,156
StepStone Group, Inc., Class A	8,811	218,601
Stifel Financial Corp.	22,736	1,356,657
StoneX Group, Inc. (A)	2,881	239,353
T. Rowe Price Group, Inc.	23,679	2,652,522
The Bank of New York Mellon Corp.	75,718	3,370,965
The Charles Schwab Corp.	156,694	8,881,416
The Goldman Sachs Group, Inc.	35,054	11,306,317
UBS Group AG	451,300	9,147,248
Victory Capital Holdings, Inc., Class A	4,455	140,511
Virtus Investment Partners, Inc.	1,097	216,625
WisdomTree, Inc.	22,799	156,401
		174,879,174
Consumer finance – 0.3%		
American Express Company	62,694	10,921,295
Atlanticus Holdings Corp. (A)	848	35,624
Bread Financial Holdings, Inc.	8,082	253,694
Capital One Financial Corp.	40,258	4,403,017
Discover Financial Services	26,776	3,128,776
Encore Capital Group, Inc. (A)	3,749	182,276
Enova International, Inc. (A)	4,865	258,429
FirstCash Holdings, Inc.	13,953	1,302,233
Green Dot Corp., Class A (A)	7,636	143,099
LendingClub Corp. (A)	17,490	170,528
LendingTree, Inc. (A)	1,895	41,898
Navient Corp.	14,506	269,521
Nelnet, Inc., Class A	2,270	219,010
NerdWallet, Inc., Class A (A)	5,861	55,152
PRA Group, Inc. (A)	6,411	146,491
PROG Holdings, Inc. (A)	7,493	240,675
Regional Management Corp.	1,500	45,750
SLM Corp.	51,923	847,383
Synchrony Financial	45,189	1,532,811
Upstart Holdings, Inc. (A)(C)	11,658	417,473
World Acceptance Corp. (A)	630	84,426
		24,699,561
Financial services – 2.9%		
Acacia Research Corp. (A)	7,721	32,119
Adyen NV (A)(B)	3,087	5,345,659
Alerus Financial Corp.	3,354	60,305
A-Mark Precious Metals, Inc.	3,095	115,861
AvidXchange Holdings, Inc. (A)	24,175	250,937
Banco Latinoamericano de Comercio Exterior SA, Class E	4,592	101,300
Berkshire Hathaway, Inc., Class B (A)	188,031	64,118,571
Cannae Holdings, Inc. (A)	11,616	234,759
Cantaloupe, Inc. (A)	9,814	78,119
Cass Information Systems, Inc.	2,309	89,543
Compass Diversified Holdings	10,327	223,993

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
Edenred	35,508	\$ 2,378,481
Enact Holdings, Inc.	4,683	117,684
Essent Group, Ltd.	39,904	1,867,507
Eurazeo SE	6,199	436,445
Euronet Worldwide, Inc. (A)	10,100	1,185,437
EVERTEC, Inc.	10,411	383,437
EXOR NV	15,429	1,377,417
Federal Agricultural Mortgage Corp., Class C	1,454	208,998
Fidelity National Information Services, Inc.	62,467	3,416,945
Fiserv, Inc. (A)	65,089	8,210,977
FleetCor Technologies, Inc. (A)	7,785	1,954,658
Flywire Corp. (A)	15,485	480,654
Global Payments, Inc.	27,620	2,721,122
GMO Payment Gateway, Inc.	6,000	470,637
Groupe Bruxelles Lambert NV	14,149	1,115,417
i3 Verticals, Inc., Class A (A)	3,738	85,451
Industrivarden AB, A Shares	18,516	513,527
Industrivarden AB, C Shares	21,970	606,254
International Money Express, Inc. (A)	5,008	122,846
Investor AB, A Shares	62,080	1,242,428
Investor AB, B Shares	246,246	4,926,169
Jack Henry & Associates, Inc.	7,684	1,285,764
Jackson Financial, Inc., Class A	12,861	393,675
Kinnevik AB, B Shares (A)	34,526	478,928
L.E. Lundbergforetagen AB, B Shares	10,812	460,424
M&G PLC	319,015	776,375
Marqeta, Inc., Class A (A)	79,573	387,521
Mastercard, Inc., Class A	88,229	34,700,466
Merchants Bancorp	2,528	64,666
MGIC Investment Corp.	61,400	969,506
Mitsubishi HC Capital, Inc.	125,196	743,339
Mr. Cooper Group, Inc. (A)	10,679	540,785
NewtekOne, Inc. (C)	3,959	62,948
Nexi SpA (A)(B)	83,972	658,825
NMI Holdings, Inc., Class A (A)	13,315	343,793
Ocwen Financial Corp. (A)	1,278	38,302
ORIX Corp.	166,883	3,043,310
PagSeguro Digital, Ltd., Class A (A)	31,970	301,797
Payoneer Global, Inc. (A)	43,105	207,335
PayPal Holdings, Inc. (A)	117,642	7,850,251
Paysafe, Ltd. (A)	5,550	56,000
PennyMac Financial Services, Inc.	4,050	284,756
Radian Group, Inc.	25,067	633,694
Remitly Global, Inc. (A)	13,677	257,401
Repay Holdings Corp. (A)	13,884	108,712
Sofina SA	2,193	454,652
StoneCo, Ltd., Class A (A)	46,808	596,334
The Western Union Company	80,219	940,969
TrustCo Bank Corp. NY	3,051	87,289
Visa, Inc., Class A	170,627	40,520,500
Voya Financial, Inc.	21,052	1,509,639
Walker & Dunlop, Inc.	5,142	406,681
Washington H. Soul Pattinson & Company, Ltd.	33,380	708,625
Waterstone Financial, Inc.	3,634	52,657
Wendel SE	3,791	389,358
WEX, Inc. (A)	9,177	1,670,856
Wise PLC, Class A (A)	87,467	731,100
Worldline SA (A)(B)	34,032	1,246,253
		208,437,143
Insurance – 3.0%		
Admiral Group PLC	30,199	799,781
Aegon NV	240,084	1,218,758
Aflac, Inc.	57,976	4,046,725

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Ageas SA/NV	22,944	\$ 930,132
AIA Group, Ltd.	1,656,735	16,826,623
Allianz SE	57,379	13,364,934
Ambac Financial Group, Inc. (A)	7,163	102,001
American Equity Investment Life Holding Company	12,366	644,392
American Financial Group, Inc.	14,963	1,776,856
American International Group, Inc.	76,312	4,390,992
AMERISAFE, Inc.	3,125	166,625
Aon PLC, Class A	21,536	7,434,227
Arch Capital Group, Ltd. (A)	39,268	2,939,210
Argo Group International Holdings, Ltd.	5,176	153,261
Arthur J. Gallagher & Company	22,585	4,958,988
Assicurazioni Generali SpA	144,195	2,932,345
Assurant, Inc.	5,604	704,535
Aviva PLC	396,299	1,993,879
AXA SA	261,001	7,712,925
Baloise Holding AG	6,516	958,452
Brighthouse Financial, Inc. (A)	14,323	678,194
Brown & Brown, Inc.	24,823	1,708,815
BRP Group, Inc., Class A (A)	9,672	239,672
Chubb, Ltd.	43,671	8,409,288
Cincinnati Financial Corp.	16,576	1,613,176
CNO Financial Group, Inc.	42,422	1,004,129
Dai-ichi Life Holdings, Inc.	133,837	2,545,565
Donegal Group, Inc., Class A	3,185	45,960
eHealth, Inc. (A)	4,343	34,918
Employers Holdings, Inc.	4,229	158,207
Enstar Group, Ltd. (A)	1,891	461,858
Everest Re Group, Ltd.	4,521	1,545,549
F&G Annuities & Life, Inc.	3,062	75,876
First American Financial Corp.	22,111	1,260,769
Genworth Financial, Inc., Class A (A)	77,316	386,580
Gjensidige Forsikring ASA	28,454	455,828
Globe Life, Inc.	9,370	1,027,139
Goosehead Insurance, Inc., Class A (A)	3,495	219,801
Greenlight Capital Re, Ltd., Class A (A)	5,183	54,603
Hannover Rueck SE	8,579	1,821,309
HCI Group, Inc.	1,129	69,750
Helvetia Holding AG	5,281	715,757
Hippo Holdings, Inc. (A)	2,193	36,250
Horace Mann Educators Corp.	6,568	194,807
Insurance Australia Group, Ltd.	348,542	1,325,465
James River Group Holdings, Ltd.	6,244	114,015
Japan Post Holdings Company, Ltd.	312,200	2,243,858
Japan Post Insurance Company, Ltd.	28,400	426,821
Kemper Corp.	13,708	661,548
Kinsale Capital Group, Inc.	4,663	1,744,895
Legal & General Group PLC	849,817	2,460,474
Lemonade, Inc. (A)(C)	8,343	140,580
Lincoln National Corp.	16,270	419,115
Loews Corp.	19,943	1,184,215
Marsh & McLennan Companies, Inc.	52,164	9,811,005
MBIA, Inc. (A)	8,398	72,559
Medibank Private, Ltd.	391,803	920,336
Mercury General Corp.	4,496	136,094
MetLife, Inc.	67,829	3,834,373
MS&AD Insurance Group Holdings, Inc.	60,951	2,158,414
Muenchener Rueckversicherungs-Gesellschaft AG	19,932	7,482,724
National Western Life Group, Inc., Class A	369	153,342
NN Group NV	35,674	1,320,568
Old Republic International Corp.	58,328	1,468,116
Oscar Health, Inc., Class A (A)	25,183	202,975
Palomar Holdings, Inc. (A)	3,980	230,999

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Phoenix Group Holdings PLC	106,748	\$ 722,251
Poste Italiane SpA (B)	74,328	805,190
Primerica, Inc.	7,760	1,534,618
Principal Financial Group, Inc.	23,806	1,805,447
ProAssurance Corp.	9,010	135,961
Prudential Financial, Inc.	38,486	3,395,235
Prudential PLC	391,694	5,532,045
QBE Insurance Group, Ltd.	211,753	2,210,879
Reinsurance Group of America, Inc.	14,255	1,977,026
RenaissanceRe Holdings, Ltd.	10,761	2,007,142
RLI Corp.	8,685	1,185,242
Safety Insurance Group, Inc.	2,328	166,964
Sampo OYJ, A Shares	65,426	2,938,440
Selective Insurance Group, Inc.	22,608	2,169,238
SelectQuote, Inc. (A)	23,679	46,174
SiriusPoint, Ltd. (A)	14,893	134,484
Skyward Specialty Insurance Group, Inc. (A)	1,829	46,457
Sompo Holdings, Inc.	44,491	1,996,277
Stewart Information Services Corp.	4,257	175,133
Suncorp Group, Ltd.	180,190	1,619,046
Swiss Life Holding AG	4,386	2,568,823
Swiss Re AG	42,911	4,323,833
T&D Holdings, Inc.	71,225	1,044,574
Talanx AG	9,011	517,326
The Allstate Corp.	27,715	3,022,044
The Hanover Insurance Group, Inc.	7,653	865,019
The Hartford Financial Services Group, Inc.	32,711	2,355,846
The Progressive Corp.	61,722	8,170,141
The Travelers Companies, Inc.	24,354	4,229,316
Tiptree, Inc.	4,397	65,999
Tokio Marine Holdings, Inc.	256,355	5,909,895
Trupanion, Inc. (A)	6,584	129,573
Tryg A/S	51,225	1,109,329
United Fire Group, Inc.	3,678	83,343
Universal Insurance Holdings, Inc.	4,375	67,506
Unum Group	39,684	1,892,927
W.R. Berkley Corp.	21,172	1,261,004
Willis Towers Watson PLC	11,220	2,642,310
Zurich Insurance Group AG	21,406	10,182,591
		218,376,580
Mortgage real estate investment trusts – 0.1%		
AFC Gamma, Inc.	3,245	40,400
Annaly Capital Management, Inc.	105,800	2,117,058
Apollo Commercial Real Estate Finance, Inc.	22,130	250,512
Arbor Realty Trust, Inc.	28,654	424,652
Ares Commercial Real Estate Corp.	8,189	83,118
ARMOUR Residential REIT, Inc.	31,207	166,333
Blackstone Mortgage Trust, Inc., Class A	27,166	565,324
BrightSpire Capital, Inc.	21,045	141,633
Chicago Atlantic Real Estate Finance, Inc. (C)	3,110	47,117
Chimera Investment Corp.	36,833	212,526
Claros Mortgage Trust, Inc.	14,754	167,310
Dynex Capital, Inc.	8,554	107,695
Franklin BSP Realty Trust, Inc.	13,075	185,142
Granite Point Mortgage Trust, Inc.	9,630	51,039
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	16,673	416,825
Invesco Mortgage Capital, Inc.	7,048	80,841
KKR Real Estate Finance Trust, Inc.	9,238	112,426
Ladder Capital Corp.	17,684	191,871
MFA Financial, Inc.	16,229	182,414

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
New York Mortgage Trust, Inc.	14,898	\$ 147,788
Orchid Island Capital, Inc.	6,671	69,045
PennyMac Mortgage Investment Trust	13,897	187,332
Ready Capital Corp.	25,148	283,669
Redwood Trust, Inc.	18,265	116,348
Starwood Property Trust, Inc.	66,857	1,297,026
TPG RE Finance Trust, Inc.	11,737	86,971
Two Harbors Investment Corp.	15,485	214,932
		7,947,347
		1,015,317,737
Health care – 12.7%		
Biotechnology – 1.8%		
2seventy bio, Inc. (A)	8,431	85,322
4D Molecular Therapeutics, Inc. (A)	5,346	96,602
89bio, Inc. (A)	9,997	189,443
AbbVie, Inc.	186,028	25,063,552
ACADIA Pharmaceuticals, Inc. (A)	19,490	466,786
Achillion Pharmaceuticals, Inc. (A)(D)	23,194	35,243
Actinium Pharmaceuticals, Inc. (A)	4,803	35,638
ADMA Biologics, Inc. (A)	34,725	128,135
Aduro Biotech, Inc. (A)(D)	2,435	5,960
Agentus, Inc. (A)	57,779	92,446
Agius Pharmaceuticals, Inc. (A)	9,102	257,769
Akero Therapeutics, Inc. (A)	7,222	337,195
Albireo Pharma, Inc. (A)(D)	2,883	6,198
Aldeyra Therapeutics, Inc. (A)	7,783	65,299
Alector, Inc. (A)	10,739	64,541
Alkermes PLC (A)	26,709	835,992
Allakos, Inc. (A)	11,505	50,162
Allogene Therapeutics, Inc. (A)(C)	14,037	69,764
Alpine Immune Sciences, Inc. (A)(C)	5,570	57,260
Altimmune, Inc. (A)	8,623	30,439
Amgen, Inc.	56,340	12,508,607
Amicus Therapeutics, Inc. (A)	45,137	566,921
AnaptysBio, Inc. (A)	3,242	65,942
Anavex Life Sciences Corp. (A)	11,646	94,682
Anika Therapeutics, Inc. (A)	2,564	66,613
Annexon, Inc. (A)	8,294	29,195
Arbutus Biopharma Corp. (A)	22,115	50,865
Arcellx, Inc. (A)	6,102	192,945
Arcturus Therapeutics Holdings, Inc. (A)	3,890	111,565
Arcus Biosciences, Inc. (A)	8,594	174,544
Arcutis Biotherapeutics, Inc. (A)(C)	8,650	82,435
Ardelyx, Inc. (A)	34,799	117,969
Argenx SE (A)	7,907	3,083,695
Argenx SE, Additional Offering (A)	14	5,460
Arrowhead Pharmaceuticals, Inc. (A)	39,404	1,405,147
Astria Therapeutics, Inc. (A)	4,457	37,127
Atara Biotherapeutics, Inc. (A)	17,912	28,838
Aura Biosciences, Inc. (A)	4,825	59,589
Aurinia Pharmaceuticals, Inc. (A)	21,975	212,718
Avid Bioservices, Inc. (A)	10,154	141,851
Avidity Biosciences, Inc. (A)	11,541	127,990
Avita Medical, Inc. (A)	4,263	72,514
Beam Therapeutics, Inc. (A)	11,058	353,082
BioAtla, Inc. (A)	8,072	24,216
BioCryst Pharmaceuticals, Inc. (A)	30,798	216,818
Biogen, Inc. (A)	15,262	4,347,381
Biohaven, Ltd. (A)	9,474	226,618
Biomea Fusion, Inc. (A)(C)	3,215	70,569
Bioexcel Therapeutics, Inc. (A)(C)	3,206	21,352
Bluebird Bio, Inc. (A)	18,234	59,990
Blueprint Medicines Corp. (A)	9,804	619,613
Bridgebio Pharma, Inc. (A)	18,515	318,458
Cabaletta Bio, Inc. (A)	4,311	55,655

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
CareDx, Inc. (A)	8,837	\$ 75,115
Caribou Biosciences, Inc. (A)	10,330	43,903
Carisma Therapeutics, Inc. (C)	4,800	42,096
Catalyst Pharmaceuticals, Inc. (A)	15,665	210,538
Celcuity, Inc. (A)(C)	3,112	34,170
Celldex Therapeutics, Inc. (A)	7,519	255,120
Cerevel Therapeutics Holdings, Inc. (A)	9,976	317,137
Chinook Therapeutics, Inc. (A)	9,357	359,496
Cogent Biosciences, Inc. (A)	11,340	134,266
Coherus Biosciences, Inc. (A)	13,426	57,329
Compass Therapeutics, Inc. (A)	15,797	50,234
Crinetics Pharmaceuticals, Inc. (A)	8,726	157,243
CSL, Ltd.	68,626	12,708,081
Cullinan Oncology, Inc. (A)	4,375	47,075
Cytokinetix, Inc. (A)	14,995	489,137
Day One Biopharmaceuticals, Inc. (A)	8,066	96,308
Deciphera Pharmaceuticals, Inc. (A)	8,607	121,187
Denali Therapeutics, Inc. (A)	19,053	562,254
Design Therapeutics, Inc. (A)(C)	6,188	38,984
Disc Medicine, Inc. (A)(C)	1,285	57,054
Dynavax Technologies Corp. (A)	20,922	270,312
Dyne Therapeutics, Inc. (A)	7,099	79,864
Eagle Pharmaceuticals, Inc. (A)	1,943	37,772
Editas Medicine, Inc. (A)	11,702	96,307
Emergent BioSolutions, Inc. (A)	8,616	63,328
Enanta Pharmaceuticals, Inc. (A)	3,463	74,108
Entrada Therapeutics, Inc. (A)	3,690	55,867
EQRx, Inc. (A)	53,508	99,525
Erasca, Inc. (A)	14,975	41,331
Exelixis, Inc. (A)	69,759	1,333,094
Fate Therapeutics, Inc. (A)	14,401	68,549
Fennec Pharmaceuticals, Inc. (A)	3,706	32,724
FibroGen, Inc. (A)	14,744	39,809
Foghorn Therapeutics, Inc. (A)	3,939	27,731
Generation Bio Company (A)	7,946	43,703
Genmab A/S (A)	9,388	3,557,655
Geron Corp. (A)	80,554	258,578
Gilead Sciences, Inc.	131,522	10,136,401
Grifols SA (A)	42,437	544,417
Gritstone bio, Inc. (A)	15,389	30,009
Halozyme Therapeutics, Inc. (A)	49,668	1,791,525
HilleVax, Inc. (A)	3,640	62,572
Humacyte, Inc. (A)	11,643	33,299
Icosavax, Inc. (A)	4,687	46,542
Ideaya Biosciences, Inc. (A)	8,796	206,706
Immuneering Corp., Class A (A)	3,520	35,693
ImmunityBio, Inc. (A)(C)	18,680	51,930
ImmunoGen, Inc. (A)	39,078	737,402
Immunovant, Inc. (A)	8,777	166,500
Incyte Corp. (A)	19,524	1,215,369
Inhibrx, Inc. (A)	5,634	146,259
Inozyme Pharma, Inc. (A)	5,926	33,008
Insmed, Inc. (A)	21,359	450,675
Intellia Therapeutics, Inc. (A)	14,240	580,707
Intercept Pharmaceuticals, Inc. (A)	4,294	47,492
Iovance Biotherapeutics, Inc. (A)	33,703	237,269
Ironwood Pharmaceuticals, Inc. (A)	22,281	237,070
iTeos Therapeutics, Inc. (A)	4,240	56,138
IVERIC bio, Inc. (A)	22,190	872,955
Janux Therapeutics, Inc. (A)	3,147	37,355
KalVista Pharmaceuticals, Inc. (A)	4,453	40,077
Karyopharm Therapeutics, Inc. (A)	20,039	35,870
Keros Therapeutics, Inc. (A)	3,671	147,501
Kezar Life Sciences, Inc. (A)	13,766	33,727
Kiniksa Pharmaceuticals, Ltd., Class A (A)	5,289	74,469

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Kodiak Sciences, Inc. (A)	5,967	\$ 41,172
Krystal Biotech, Inc. (A)	3,483	408,904
Kura Oncology, Inc. (A)	10,757	113,809
Kymera Therapeutics, Inc. (A)	6,226	143,136
Lexicon Pharmaceuticals, Inc. (A)	16,611	38,039
Lineage Cell Therapeutics, Inc. (A)	25,394	35,806
Lyell Immunopharma, Inc. (A)(C)	29,153	92,707
MacroGenics, Inc. (A)	10,546	56,421
Madrigal Pharmaceuticals, Inc. (A)	2,184	504,504
MannKind Corp. (A)	41,699	169,715
MeiraGTx Holdings PLC (A)	6,040	40,589
Mersana Therapeutics, Inc. (A)	17,116	56,312
MiMedx Group, Inc. (A)	18,450	121,955
Mineralys Therapeutics, Inc. (A)	2,495	42,540
Mirum Pharmaceuticals, Inc. (A)	4,375	113,181
Moderna, Inc. (A)	34,568	4,200,012
Monte Rosa Therapeutics, Inc. (A)	5,440	37,264
Morphic Holding, Inc. (A)	4,910	281,490
Myriad Genetics, Inc. (A)	13,046	302,406
Neurocrine Biosciences, Inc. (A)	20,903	1,971,153
Novavax, Inc. (A)(C)	14,379	106,836
Nurix Therapeutics, Inc. (A)	8,044	80,360
Nuvalent, Inc., Class A (A)	3,900	164,463
Olema Pharmaceuticals, Inc. (A)	4,871	43,985
Omega Therapeutics, Inc. (A)(C)	4,407	24,679
Organogenesis Holdings, Inc. (A)	12,521	41,570
ORIC Pharmaceuticals, Inc. (A)	6,805	52,807
Outlook Therapeutics, Inc. (A)	27,796	48,365
Ovid therapeutics, Inc. (A)	10,811	35,460
PDL BioPharma, Inc. (A)(D)	23,030	7,600
PDS Biotechnology Corp. (A)	5,034	25,321
PMV Pharmaceuticals, Inc. (A)	7,054	44,158
Point Biopharma Global, Inc. (A)	14,836	134,414
Poseida Therapeutics, Inc. (A)	12,535	22,062
Prime Medicine, Inc. (A)	6,510	95,372
ProKidney Corp. (A)(C)	10,160	113,690
Protagonist Therapeutics, Inc. (A)	8,758	241,896
Prothena Corp. PLC (A)	6,677	455,906
PTC Therapeutics, Inc. (A)	11,408	463,963
Radius Health, Inc. (A)(D)	8,191	655
Rallybio Corp. (A)	5,465	30,932
RAPT Therapeutics, Inc. (A)	4,851	90,714
Recursion Pharmaceuticals, Inc., Class A (A)	22,522	168,239
Regeneron Pharmaceuticals, Inc. (A)	11,376	8,174,111
REGENXBIO, Inc. (A)	6,787	135,672
Relay Therapeutics, Inc. (A)	14,757	185,348
Replimune Group, Inc. (A)	6,660	154,645
REVOLUTION Medicines, Inc. (A)	16,392	438,486
Rhythm Pharmaceuticals, Inc. (A)	8,367	137,972
Rigel Pharmaceuticals, Inc. (A)	28,955	37,352
Rocket Pharmaceuticals, Inc. (A)	9,124	181,294
Sage Therapeutics, Inc. (A)	8,543	401,692
Sana Biotechnology, Inc. (A)	15,691	93,518
Sangamo Therapeutics, Inc. (A)	27,816	36,161
Savara, Inc. (A)	13,682	43,714
Scholar Rock Holding Corp. (A)	5,021	37,858
Seres Therapeutics, Inc. (A)	16,499	79,030
SpringWorks Therapeutics, Inc. (A)	9,498	249,038
Stoke Therapeutics, Inc. (A)	4,770	50,705
Summit Therapeutics, Inc. (A)(C)	19,383	48,651
Sutro Biopharma, Inc. (A)	10,848	50,443
Swedish Orphan Biovitrum AB (A)	24,241	473,797
Syndax Pharmaceuticals, Inc. (A)	10,748	224,956
Tenaya Therapeutics, Inc. (A)	7,917	46,473

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
TG Therapeutics, Inc. (A)	22,098	\$ 548,914
Traverse Therapeutics, Inc. (A)	11,873	182,369
Twist Bioscience Corp. (A)	9,341	191,117
Tyra Biosciences, Inc. (A)(C)	2,442	41,587
United Therapeutics Corp. (A)	10,036	2,215,447
UroGen Pharma, Ltd. (A)	3,575	37,001
Vanda Pharmaceuticals, Inc. (A)	9,640	63,528
Vaxcyte, Inc. (A)	14,793	738,762
Vera Therapeutics, Inc. (A)	5,666	90,939
Veracyte, Inc. (A)	11,792	300,342
Vericel Corp. (A)	7,694	289,064
Vertex Pharmaceuticals, Inc. (A)	27,156	9,556,468
Verve Therapeutics, Inc. (A)	8,346	156,488
Viking Therapeutics, Inc. (A)	15,471	250,785
Vir Biotechnology, Inc. (A)	13,489	330,885
Viridian Therapeutics, Inc. (A)	6,854	163,057
Vor BioPharma, Inc. (A)	7,077	21,868
Voyager Therapeutics, Inc. (A)	5,326	60,983
X4 Pharmaceuticals, Inc. (A)	21,667	42,034
Xencor, Inc. (A)	9,462	236,266
XOMA Corp. (A)	1,661	31,376
Y-mAbs Therapeutics, Inc. (A)	6,395	43,422
Zentalis Pharmaceuticals, Inc. (A)	8,004	225,793
Zymeworks, Inc. (A)	8,978	77,570
		132,092,174
Health care equipment and supplies – 2.6%		
Abbott Laboratories	183,356	19,989,471
Accuray, Inc. (A)	16,358	63,305
Alcon, Inc.	71,092	5,897,960
Align Technology, Inc. (A)	7,503	2,653,361
Alphatec Holdings, Inc. (A)	12,478	224,354
AngioDynamics, Inc. (A)	6,498	67,774
Artivion, Inc. (A)	6,671	114,674
Asahi Intecc Company, Ltd.	30,900	608,358
AtriCure, Inc. (A)	7,528	371,582
Atrion Corp.	224	126,717
Avanos Medical, Inc. (A)	7,470	190,933
Axogen, Inc. (A)	7,107	64,887
Axonics, Inc. (A)	7,910	399,218
Baxter International, Inc.	53,337	2,430,034
Becton, Dickinson and Company	29,947	7,906,307
BioMerieux	5,894	618,855
Boston Scientific Corp. (A)	151,592	8,199,611
Butterfly Network, Inc. (A)(C)	24,293	55,874
Carl Zeiss Meditec AG, Bearer Shares	5,726	619,235
Cerus Corp. (A)	30,878	75,960
ClearPoint Neuro, Inc. (A)	4,398	31,842
Cochlear, Ltd.	9,359	1,433,875
Coloplast A/S, B Shares	16,902	2,115,051
CONMED Corp.	4,917	668,171
Cutera, Inc. (A)	2,905	43,953
Demant A/S (A)	13,110	554,906
Dentsply Sirona, Inc.	22,403	896,568
DexCom, Inc. (A)	40,873	5,252,589
DiaSorin SpA	3,582	373,133
Edwards Lifesciences Corp. (A)	63,920	6,029,574
Embecka Corp.	9,278	200,405
Enovis Corp. (A)	10,273	658,705
Envista Holdings Corp. (A)	35,069	1,186,735
EssilorLuxottica SA	41,396	7,806,052
Figs, Inc., Class A (A)	20,793	171,958
Fisher & Paykel Healthcare Corp., Ltd.	82,426	1,241,149
GE HealthCare Technologies, Inc.	38,353	3,115,798
Getinge AB, B Shares	32,542	570,905
Glaukos Corp. (A)	7,547	537,422

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Globus Medical, Inc., Class A (A)	17,117	\$ 1,019,146
Haemonetics Corp. (A)	18,833	1,603,442
Hologic, Inc. (A)	25,951	2,101,252
Hoya Corp.	50,807	6,079,879
ICU Medical, Inc. (A)	4,330	771,563
IDEXX Laboratories, Inc. (A)	8,752	4,395,517
Inari Medical, Inc. (A)	19,375	1,126,463
Inmode, Ltd. (A)	12,454	465,157
Inogen, Inc. (A)	4,243	49,007
Insulet Corp. (A)	7,349	2,119,011
Integer Holdings Corp. (A)	5,316	471,051
Integra LifeSciences Holdings Corp. (A)	15,265	627,849
Intuitive Surgical, Inc. (A)	36,946	12,633,315
iRadimed Corp.	1,276	60,916
iRhythm Technologies, Inc. (A)	4,948	516,175
Koninklijke Philips NV (A)	132,433	2,869,511
Lantheus Holdings, Inc. (A)	25,588	2,147,345
LeMaitre Vascular, Inc.	3,189	214,556
LivaNova PLC (A)	20,268	1,042,383
Masimo Corp. (A)	10,402	1,711,649
Medtronic PLC	140,281	12,358,756
Merit Medical Systems, Inc. (A)	9,123	763,048
Nano-X Imaging, Ltd. (A)(C)	7,479	115,850
Neogen Corp. (A)	81,397	1,770,385
Nevro Corp. (A)	5,770	146,673
NuVasive, Inc. (A)	8,490	353,099
Olympus Corp.	171,108	2,707,843
Omniceil, Inc. (A)	16,907	1,245,539
OraSure Technologies, Inc. (A)	12,697	63,612
Orthofix Medical, Inc. (A)	5,777	104,333
OrthoPediatrics Corp. (A)	2,607	114,317
Outset Medical, Inc. (A)	8,057	176,207
Paragon 28, Inc. (A)	7,100	125,954
Penumbra, Inc. (A)	8,195	2,819,572
PROCEPT BioRobotics Corp. (A)	5,884	207,999
Pulmonx Corp. (A)	6,127	80,325
QuidelOrtho Corp. (A)	11,562	958,027
ResMed, Inc.	15,492	3,385,002
RxSight, Inc. (A)	4,467	128,650
Sanara Medtech, Inc. (A)	727	29,153
Shockwave Medical, Inc. (A)	7,846	2,239,327
SI-BONE, Inc. (A)	5,668	152,923
Siemens Healthineers AG (B)	40,120	2,273,814
Silk Road Medical, Inc. (A)	6,258	203,322
Smith & Nephew PLC	124,253	2,004,613
Sonova Holding AG	7,396	1,973,528
STAAR Surgical Company (A)	18,188	956,143
STERIS PLC	10,469	2,355,316
Straumann Holding AG	15,880	2,582,182
Stryker Corp.	35,623	10,868,221
Surmodics, Inc. (A)	2,425	75,927
Sysmex Corp.	23,879	1,635,639
Tactile Systems Technology, Inc. (A)	3,850	95,981
Tela Bio, Inc. (A)	3,109	31,494
Teleflex, Inc.	4,953	1,198,775
Terumo Corp.	95,734	3,049,094
The Cooper Companies, Inc.	5,215	1,999,587
TransMedics Group, Inc. (A)	5,115	429,558
Treace Medical Concepts, Inc. (A)	7,313	187,067
UFP Technologies, Inc. (A)	1,137	220,407
Utah Medical Products, Inc.	569	53,031
Varex Imaging Corp. (A)	6,379	150,353
Zimmer Biomet Holdings, Inc.	21,992	3,202,035
Zimvie, Inc. (A)	4,474	50,243

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Zynex, Inc. (A)	3,649	\$ 34,994
		191,270,366
Health care providers and services – 1.9%		
23andMe Holding Company, Class A (A)	44,993	78,738
Acadia Healthcare Company, Inc. (A)	19,716	1,570,182
Accolade, Inc. (A)	10,966	147,712
AdaptHealth Corp. (A)	12,016	146,235
Addus HomeCare Corp. (A)	2,521	233,697
Agility, Inc. (A)	4,874	80,421
Alignment Healthcare, Inc. (A)	14,188	81,581
Amedisys, Inc. (A)	6,980	638,251
AmerisourceBergen Corp.	17,079	3,286,512
AMN Healthcare Services, Inc. (A)	6,474	706,443
Amplifon SpA	17,714	649,746
Apollo Medical Holdings, Inc. (A)	6,952	219,683
Brookdale Senior Living, Inc. (A)	28,037	118,316
Cano Health, Inc. (A)	39,966	55,553
Cardinal Health, Inc.	26,845	2,538,732
CareMax, Inc. (A)	13,645	42,436
Castle Biosciences, Inc. (A)	4,341	59,559
Centene Corp. (A)	57,862	3,902,792
Chemed Corp.	3,218	1,743,094
Community Health Systems, Inc. (A)	20,802	91,529
CorVel Corp. (A)	1,397	270,320
Cross Country Healthcare, Inc. (A)	5,531	155,310
CVS Health Corp.	135,178	9,344,855
DaVita, Inc. (A)	5,834	586,142
DocGo, Inc. (A)	12,598	118,043
EBOS Group, Ltd.	21,806	492,698
Elevance Health, Inc.	24,995	11,105,029
Encompass Health Corp.	21,473	1,453,937
Enhabit, Inc. (A)	8,292	95,358
Fresenius Medical Care AG & Company KGaA	29,220	1,396,456
Fresenius SE & Company KGaA	60,098	1,666,924
Fulgent Genetics, Inc. (A)	3,345	123,865
Guardant Health, Inc. (A)	17,916	641,393
HCA Healthcare, Inc.	21,754	6,601,904
HealthEquity, Inc. (A)	31,837	2,010,188
Henry Schein, Inc. (A)	13,813	1,120,234
Hims & Hers Health, Inc. (A)	19,807	186,186
Humana, Inc.	13,174	5,890,491
InfuSystem Holdings, Inc. (A)	3,466	33,378
Invitae Corp. (A)(C)	44,847	50,677
Laboratory Corp. of America Holdings	9,342	2,254,505
LifeStance Health Group, Inc. (A)(C)	17,262	157,602
McKesson Corp.	14,298	6,109,678
ModivCare, Inc. (A)	2,118	95,755
Molina Healthcare, Inc. (A)	6,147	1,851,722
National HealthCare Corp.	1,939	119,869
National Research Corp.	2,352	102,336
NeoGenomics, Inc. (A)	20,557	330,351
NMC Health PLC (A)	19,536	39
OPKO Health, Inc. (A)	68,702	149,083
Option Care Health, Inc. (A)	62,784	2,039,852
Owens & Minor, Inc. (A)	12,067	229,756
P3 Health Partners, Inc. (A)	7,255	21,692
Patterson Companies, Inc.	32,722	1,088,334
Pediatrix Medical Group, Inc. (A)	13,715	194,890
PetIQ, Inc. (A)	4,689	71,132
Privia Health Group, Inc. (A)	10,938	285,591
Progyny, Inc. (A)	29,044	1,142,591
Quest Diagnostics, Inc.	11,810	1,660,014
Quipt Home Medical Corp. (A)	7,384	39,431
R1 RCM, Inc. (A)	29,564	545,456

John Hancock Variable Insurance Trust

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Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
RadNet, Inc. (A)	7,951	\$ 259,362
Ramsay Health Care, Ltd.	26,083	979,943
Select Medical Holdings Corp.	16,616	529,386
Sonic Healthcare, Ltd.	63,472	1,509,470
Surgery Partners, Inc. (A)	10,890	489,941
Tenet Healthcare Corp. (A)	21,837	1,777,095
The Cigna Group	31,197	8,753,878
The Ensign Group, Inc.	8,718	832,220
The Joint Corp. (A)	2,834	38,259
The Pennant Group, Inc. (A)	5,003	61,437
UnitedHealth Group, Inc.	98,169	47,183,948
Universal Health Services, Inc., Class B	6,635	1,046,804
US Physical Therapy, Inc.	2,074	251,763
Viemed Healthcare, Inc. (A)	5,950	58,191
		141,995,976
Health care technology – 0.1%		
American Well Corp., Class A (A)	41,065	86,237
Computer Programs and Systems, Inc. (A)	2,504	61,824
Definitive Healthcare Corp. (A)	7,562	83,182
Doximity, Inc., Class A (A)	25,429	865,095
Evolent Health, Inc., Class A (A)	17,705	536,462
Health Catalyst, Inc. (A)	9,302	116,275
HealthStream, Inc.	3,920	96,275
M3, Inc.	62,786	1,369,024
MultiPlan Corp. (A)	62,807	132,523
NextGen Healthcare, Inc. (A)	8,722	141,471
OptimizeRx Corp. (A)	2,951	42,170
Phreesia, Inc. (A)	8,244	255,646
Schrodinger, Inc. (A)	8,824	440,494
Sharecare, Inc. (A)	51,556	90,223
Simulations Plus, Inc.	2,591	112,268
Veradigm, Inc. (A)	17,390	219,114
		4,648,283
Life sciences tools and services – 1.1%		
Adaptive Biotechnologies Corp. (A)	18,869	126,611
Agilent Technologies, Inc.	31,179	3,749,275
Azenta, Inc. (A)	13,960	651,653
Bachem Holding AG	4,802	419,290
BioLife Solutions, Inc. (A)	5,712	126,235
Bio-Rad Laboratories, Inc., Class A (A)	2,251	853,399
Bio-Techne Corp.	16,600	1,355,058
Bruker Corp.	21,374	1,579,966
Charles River Laboratories International, Inc. (A)	5,397	1,134,719
Codexis, Inc. (A)	13,254	37,111
CryoPort, Inc. (A)	7,147	123,286
Cytek Biosciences, Inc. (A)	19,792	169,024
Danaher Corp.	70,024	16,805,760
Eurofins Scientific SE	19,195	1,219,801
Harvard Bioscience, Inc. (A)	6,999	38,425
Illumina, Inc. (A)	16,670	3,125,458
IQVIA Holdings, Inc. (A)	19,564	4,397,400
Lonza Group AG	10,595	6,332,764
MaxCyte, Inc. (A)	15,126	69,428
Medpace Holdings, Inc. (A)	5,292	1,270,980
Mesa Laboratories, Inc.	855	109,868
Mettler-Toledo International, Inc. (A)	2,322	3,045,628
NanoString Technologies, Inc. (A)	8,965	36,308
OmniAb, Inc. (A)	15,925	80,103
OmniAb, Inc., \$12.50 Earnout Shares (A)(D)	967	0
OmniAb, Inc., \$15.00 Earnout Shares (A)(D)	967	0
Pacific Biosciences of California, Inc. (A)	40,607	540,073
QIAGEN NV (A)	32,397	1,456,245

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
Quanterix Corp. (A)	5,802	\$ 130,835
Quantum-Si, Inc. (A)	20,534	36,756
Repligen Corp. (A)	11,093	1,569,216
Revvity, Inc.	13,227	1,571,235
Sartorius Stedim Biotech	3,934	982,532
Seer, Inc. (A)	11,028	47,090
SomaLogic, Inc. (A)	27,028	62,435
Sotera Health Company (A)	21,183	399,088
Syneos Health, Inc. (A)	22,206	935,761
Thermo Fisher Scientific, Inc.	40,671	21,220,094
Waters Corp. (A)	6,225	1,659,212
West Pharmaceutical Services, Inc.	7,828	2,993,975
		80,462,097
Pharmaceuticals – 5.2%		
Aclaris Therapeutics, Inc. (A)	11,507	119,328
Amneal Pharmaceuticals, Inc. (A)	20,789	64,446
Amphastar Pharmaceuticals, Inc. (A)	6,150	353,441
Amylyx Pharmaceuticals, Inc. (A)	8,211	177,111
ANI Pharmaceuticals, Inc. (A)	2,153	115,896
Arvinas, Inc. (A)	8,057	199,975
Assertio Holdings, Inc. (A)	9,318	50,504
Astellas Pharma, Inc.	257,447	3,834,023
AstraZeneca PLC	220,494	31,608,741
Atea Pharmaceuticals, Inc. (A)	13,667	51,115
Axsome Therapeutics, Inc. (A)	5,299	380,786
Bayer AG	139,768	7,736,863
Bristol-Myers Squibb Company	221,515	14,165,884
Cara Therapeutics, Inc. (A)	9,216	26,081
Cassava Sciences, Inc. (A)(C)	6,452	158,203
Catalent, Inc. (A)	18,989	823,363
Chugai Pharmaceutical Company, Ltd.	95,502	2,719,803
CinCor Pharma, Inc. (A)(D)	3,771	11,539
Collegium Pharmaceutical, Inc. (A)	5,681	122,085
Corcept Therapeutics, Inc. (A)	12,987	288,961
CorMedix, Inc. (A)	8,167	32,382
CymaBay Therapeutics, Inc. (A)	16,024	175,463
Daiichi Sankyo Company, Ltd.	263,158	8,361,650
DICE Therapeutics, Inc. (A)	6,267	291,165
Edgewise Therapeutics, Inc. (A)	7,323	56,753
Eisai Company, Ltd.	35,868	2,430,919
Eli Lilly & Company	83,076	38,960,982
Enliven Therapeutics, Inc. (A)(C)	3,915	79,905
Evolus, Inc. (A)	7,194	52,300
GSK PLC	582,582	10,324,840
Harmony Biosciences Holdings, Inc. (A)	5,367	188,865
Harrow Health, Inc. (A)	4,299	81,853
Hikma Pharmaceuticals PLC	23,549	566,701
Innoviva, Inc. (A)	10,028	127,656
Intra-Cellular Therapies, Inc. (A)	15,085	955,182
Ipsen SA	5,366	645,939
Jazz Pharmaceuticals PLC (A)	13,711	1,699,753
Johnson & Johnson	274,012	45,354,466
Kyowa Kirin Company, Ltd.	38,459	712,847
Ligand Pharmaceuticals, Inc. (A)	2,705	195,031
Liquidia Corp. (A)	8,024	62,988
Marinus Pharmaceuticals, Inc. (A)	8,391	91,126
Merck & Company, Inc.	267,549	30,872,479
Merck KGaA	18,387	3,043,597
Nippon Shinyaku Company, Ltd.	7,500	306,853
Novartis AG	291,612	29,400,149
Novo Nordisk A/S, B Shares	235,516	38,045,184
Nuvation Bio, Inc. (A)	28,626	51,527
Ocular Therapeutix, Inc. (A)	13,281	68,530
Omeros Corp. (A)	10,407	56,614
Ono Pharmaceutical Company, Ltd.	55,200	995,997

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Organon & Company	26,896	\$ 559,706
Orion OYJ, Class B	15,237	632,351
Otsuka Holdings Company, Ltd.	55,593	2,039,244
Pacira BioSciences, Inc. (A)	7,373	295,436
Perrigo Company PLC	28,990	984,211
Pfizer, Inc.	595,246	21,833,623
Phathom Pharmaceuticals, Inc. (A)	4,240	60,717
Phibro Animal Health Corp., Class A	3,908	53,540
Pliant Therapeutics, Inc. (A)	9,169	166,142
Prestige Consumer Healthcare, Inc. (A)	8,000	475,440
Reata Pharmaceuticals, Inc., Class A (A)	4,605	469,526
Recordati Industria Chimica e Farmaceutica SpA	14,876	710,668
Revance Therapeutics, Inc. (A)	13,444	340,268
Roche Holding AG	99,953	30,532,633
Roche Holding AG, Bearer Shares	4,554	1,495,436
Sanofi	161,440	17,379,945
Scilex Holding Company (A)	8,717	48,554
scPharmaceuticals, Inc. (A)	5,117	52,142
Shionogi & Company, Ltd.	37,211	1,569,538
SIGA Technologies, Inc.	8,201	41,415
Supernus Pharmaceuticals, Inc. (A)	7,990	240,179
Takeda Pharmaceutical Company, Ltd.	225,098	7,073,153
Taro Pharmaceutical Industries, Ltd. (A)	1,382	52,419
Tarsus Pharmaceuticals, Inc. (A)	4,076	73,653
Terns Pharmaceuticals, Inc. (A)	7,080	61,950
Teva Pharmaceutical Industries, Ltd., ADR (A)	158,008	1,189,800
Theravance Biopharma, Inc. (A)	10,504	108,716
Theseus Pharmaceuticals, Inc. (A)	3,555	33,168
UCB SA	17,987	1,594,700
Ventyx Biosciences, Inc. (A)	7,540	247,312
Viatis, Inc.	126,422	1,261,692
WaVe Life Sciences, Ltd. (A)	10,612	38,632
Xeris Biopharma Holdings, Inc. (A)	22,871	59,922
Zevra Therapeutics, Inc. (A)	6,785	34,604
Zoetis, Inc.	48,726	8,391,104
		<u>377,499,383</u>
		927,968,279
Industrials – 12.0%		
Aerospace and defense – 1.5%		
AAR Corp. (A)	5,497	317,507
Aerojet Rocketdyne Holdings, Inc. (A)	12,556	688,948
AeroVironment, Inc. (A)	4,028	411,984
AerSale Corp. (A)	4,214	61,946
Airbus SE	84,336	12,193,449
Archer Aviation, Inc., Class A (A)	25,541	105,229
Astronics Corp. (A)	4,340	86,192
Axon Enterprise, Inc. (A)	7,401	1,444,083
BAE Systems PLC	434,413	5,122,266
BWX Technologies, Inc.	19,590	1,402,056
Cadre Holdings, Inc.	3,290	71,722
Curtiss-Wright Corp.	8,214	1,508,583
Dassault Aviation SA	3,546	710,445
Ducommun, Inc. (A)	1,824	79,472
Elbit Systems, Ltd.	3,786	792,458
Eve Holding, Inc. (A)	3,117	32,666
General Dynamics Corp.	23,719	5,103,143
Hexcel Corp.	18,074	1,373,985
Howmet Aerospace, Inc.	38,784	1,922,135
Huntington Ingalls Industries, Inc.	4,206	957,286
Kaman Corp.	4,634	112,745
Kongsberg Gruppen ASA	12,613	573,313
Kratos Defense & Security Solutions, Inc. (A)	20,232	290,127

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Aerospace and defense (continued)		
L3Harris Technologies, Inc.	19,976	\$ 3,910,702
Leonardo DRS, Inc. (A)	8,153	141,373
Lockheed Martin Corp.	23,766	10,941,391
Mercury Systems, Inc. (A)	12,466	431,199
Moog, Inc., Class A	4,513	489,345
MTU Aero Engines AG	7,620	1,976,392
National Presto Industries, Inc.	825	60,390
Northrop Grumman Corp.	15,051	6,860,246
Park Aerospace Corp.	3,486	48,107
Parsons Corp. (A)	6,507	313,247
Raytheon Technologies Corp.	154,064	15,092,109
Rheinmetall AG	6,197	1,697,682
Rocket Lab USA, Inc. (A)	45,329	271,974
Rolls-Royce Holdings PLC (A)	1,190,443	2,289,223
Saab AB, B Shares	11,392	616,717
Safran SA	48,629	7,620,636
Singapore Technologies Engineering, Ltd.	222,152	606,179
Textron, Inc.	21,265	1,438,152
Thales SA	14,953	2,240,391
The Boeing Company (A)	59,627	12,590,837
TransDigm Group, Inc.	5,502	4,919,723
Triumph Group, Inc. (A)	10,467	129,477
V2X, Inc. (A)	1,884	93,371
Virgin Galactic Holdings, Inc. (A)(C)	41,039	159,231
Woodward, Inc.	12,861	1,529,302
		<u>111,829,136</u>
Air freight and logistics – 0.6%		
Air Transport Services Group, Inc. (A)	9,223	174,038
CH Robinson Worldwide, Inc.	12,278	1,158,429
Deutsche Post AG	143,186	6,996,390
DSV A/S	26,483	5,562,528
Expeditors International of Washington, Inc.	16,110	1,951,404
FedEx Corp.	24,383	6,044,546
Forward Air Corp.	4,194	445,025
GXO Logistics, Inc. (A)	25,477	1,600,465
Hub Group, Inc., Class A (A)	5,240	420,877
Nippon Express Holdings, Inc.	10,346	583,599
Radiant Logistics, Inc. (A)	7,117	47,826
SG Holdings Company, Ltd.	45,600	650,451
United Parcel Service, Inc., Class B	76,421	13,698,464
Yamato Holdings Company, Ltd.	40,493	733,968
		<u>40,068,010</u>
Building products – 0.9%		
A.O. Smith Corp.	13,131	955,674
AAON, Inc.	7,261	688,415
Advanced Drainage Systems, Inc.	13,399	1,524,538
AGC, Inc.	29,076	1,046,035
Allegion PLC	9,273	1,112,945
American Woodmark Corp. (A)	2,737	209,025
Apogee Enterprises, Inc.	3,626	172,126
Assa Abloy AB, B Shares	142,596	3,427,575
AZZ, Inc.	3,962	172,189
Builders FirstSource, Inc. (A)	27,457	3,734,152
Carlisle Companies, Inc.	10,918	2,800,795
Carrier Global Corp.	88,026	4,375,772
Cie de Saint-Gobain	69,712	4,244,510
CSW Industrials, Inc.	2,469	410,323
Daikin Industries, Ltd.	37,497	7,683,334
Fortune Brands Innovations, Inc.	27,144	1,953,011
Geberit AG	4,849	2,541,282
Gibraltar Industries, Inc. (A)	5,014	315,481
Griffon Corp.	7,084	285,485
Insteel Industries, Inc.	3,110	96,783
Janus International Group, Inc. (A)	13,815	147,268

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Building products (continued)		
JELD-WEN Holding, Inc. (A)	13,898	\$ 243,771
Johnson Controls International PLC	72,343	4,929,452
Kingspan Group PLC	21,995	1,464,071
Lennox International, Inc.	6,921	2,256,730
Lixil Corp.	40,850	519,943
Masco Corp.	23,734	1,361,857
Masonite International Corp. (A)	3,564	365,096
Masterbrand, Inc. (A)	20,974	243,928
Nibe Industrier AB, B Shares	215,607	2,050,068
Owens Corning	19,303	2,519,042
PGT Innovations, Inc. (A)	9,376	273,310
Quanex Building Products Corp.	5,479	147,111
Resideo Technologies, Inc. (A)	23,584	416,493
ROCKWOOL A/S, B Shares	1,300	336,189
Simpson Manufacturing Company, Inc.	16,018	2,218,493
TOTO, Ltd.	18,900	571,468
Trane Technologies PLC	24,046	4,599,038
Trex Company, Inc. (A)	23,308	1,528,072
UFP Industries, Inc.	22,927	2,225,065
Xinyi Glass Holdings, Ltd.	235,000	367,380
Zurn Elkay Water Solutions Corp.	23,725	637,965
		67,171,260
Commercial services and supplies – 0.6%		
ABM Industries, Inc.	10,586	451,493
ACCO Brands Corp.	15,453	80,510
ACV Auctions, Inc., Class A (A)	20,569	355,227
Aris Water Solutions, Inc., Class A	5,388	55,604
Aurora Innovation, Inc. (A)(C)	50,770	149,264
Brambles, Ltd.	197,721	1,901,200
BrightView Holdings, Inc. (A)	7,145	51,301
Casella Waste Systems, Inc., Class A (A)	8,924	807,176
CECO Environmental Corp. (A)	5,159	68,924
Cimpress PLC (A)	2,910	173,087
Cintas Corp.	9,115	4,530,884
Clean Harbors, Inc. (A)	10,779	1,772,391
Copart, Inc. (A)	45,227	4,125,155
CoreCivic, Inc. (A)	18,257	171,798
Dai Nippon Printing Company, Ltd.	31,173	885,489
Deluxe Corp.	7,005	122,447
Ennis, Inc.	4,366	88,979
Enviri Corp. (A)	13,201	130,294
Healthcare Services Group, Inc.	12,231	182,609
Heritage-Crystal Clean, Inc. (A)	2,661	100,559
HNI Corp.	7,483	210,871
Interface, Inc.	10,616	93,315
Li-Cycle Holdings Corp. (A)(C)	23,013	127,722
Liquidity Services, Inc. (A)	4,159	68,624
Matthews International Corp., Class A	4,812	205,087
MillerKnoll, Inc.	12,372	182,858
Montrose Environmental Group, Inc. (A)	4,564	192,236
MSA Safety, Inc.	7,907	1,375,502
OPENLANE, Inc. (A)	17,416	265,072
Performant Financial Corp. (A)	12,171	32,862
Pitney Bowes, Inc.	28,826	102,044
Rentokil Initial PLC	358,522	2,803,177
Republic Services, Inc.	21,677	3,320,266
Rollins, Inc.	24,421	1,045,951
Secom Company, Ltd.	29,855	2,020,541
Securitas AB, B Shares	69,969	574,708
SP Plus Corp. (A)	3,242	126,795
Steelcase, Inc., Class A	14,602	112,581
Stericycle, Inc. (A)	19,804	919,698
Tetra Tech, Inc.	11,403	1,867,127
The Brink's Company	17,361	1,177,597
The GEO Group, Inc. (A)	18,685	133,785

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
Toppan, Inc.	34,862	\$ 753,426
UniFirst Corp.	2,390	370,474
Viad Corp. (A)	3,465	93,139
VSE Corp.	1,819	99,481
Waste Management, Inc.	39,035	6,769,450
		41,248,780
Construction and engineering – 0.5%		
ACS Actividades de Construccion y Servicios SA (C)	29,681	1,043,698
AECOM	29,777	2,521,814
Ameresco, Inc., Class A (A)	5,211	253,411
API Group Corp. (A)	33,692	918,444
Arcosa, Inc.	7,756	587,672
Argan, Inc.	2,099	82,722
Bouygues SA	29,303	984,388
Bowman Consulting Group, Ltd. (A)	1,795	57,225
Comfort Systems USA, Inc.	5,673	931,507
Concrete Pumping Holdings, Inc. (A)	4,754	38,175
Construction Partners, Inc., Class A (A)	6,587	206,766
Dycom Industries, Inc. (A)	4,595	522,222
Eiffage SA	10,457	1,091,800
EMCOR Group, Inc.	10,185	1,881,984
Ferrovial SE	72,445	2,290,137
Fluor Corp. (A)	53,651	1,588,070
Granite Construction, Inc.	7,003	278,579
Great Lakes Dredge & Dock Corp. (A)	11,367	92,755
IES Holdings, Inc. (A)	1,401	79,689
Kajima Corp.	60,185	908,710
Limbach Holdings, Inc. (A)	1,722	42,585
MasTec, Inc. (A)	13,008	1,534,554
MDU Resources Group, Inc.	43,624	913,487
MYR Group, Inc. (A)	2,644	365,771
Northwest Pipe Company (A)	1,797	54,341
Obayashi Corp.	92,415	799,236
Primoris Services Corp.	8,535	260,061
Quanta Services, Inc.	15,307	3,007,060
Shimizu Corp.	78,529	497,196
Skanska AB, B Shares	48,404	679,131
Sterling Infrastructure, Inc. (A)	4,832	269,626
Taisei Corp.	24,173	844,565
Tutor Perini Corp. (A)	7,921	56,635
Valmont Industries, Inc.	4,511	1,312,927
Vinci SA	75,611	8,785,652
		35,782,595
Electrical equipment – 1.1%		
374Water, Inc. (A)(C)	10,801	25,814
ABB, Ltd.	223,618	8,797,319
Acuity Brands, Inc.	6,812	1,110,901
Allied Motion Technologies, Inc.	2,414	96,415
AMETEK, Inc.	24,301	3,933,846
Array Technologies, Inc. (A)	24,394	551,304
Atkore, Inc. (A)	6,352	990,531
Babcock & Wilcox Enterprises, Inc. (A)	9,788	57,749
Blink Charging Company (A)(C)	8,129	48,693
Bloom Energy Corp., Class A (A)	31,093	508,371
Eaton Corp. PLC	42,029	8,452,032
Emerson Electric Company	60,259	5,446,811
Encore Wire Corp.	2,683	498,850
Energy Vault Holdings, Inc. (A)(C)	17,739	48,427
EnerSys	15,358	1,666,650
Enovix Corp. (A)	22,143	399,460
Eos Energy Enterprises, Inc. (A)	18,065	78,402
Fluence Energy, Inc. (A)	6,414	170,869
FTC Solar, Inc. (A)	11,499	37,027
FuelCell Energy, Inc. (A)(C)	67,075	144,882

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Fuji Electric Company, Ltd.	18,040	\$ 794,212
Generac Holdings, Inc. (A)	6,558	977,995
GrafTech International, Ltd.	32,154	162,056
Hubbell, Inc.	11,480	3,806,309
Legrand SA	37,960	3,765,778
LSI Industries, Inc.	4,672	58,680
Mitsubishi Electric Corp.	274,897	3,886,175
NEXTracker, Inc., Class A (A)	4,982	198,333
Nidec Corp.	59,386	3,272,489
NuScale Power Corp. (A)(C)	9,211	62,635
nVent Electric PLC	35,490	1,833,768
Powell Industries, Inc.	1,510	91,491
Preformed Line Products Company	425	66,343
Prysmian SpA	36,241	1,515,733
Regal Rexnord Corp.	14,198	2,185,072
Rockwell Automation, Inc.	12,113	3,990,628
Schneider Electric SE	77,186	14,022,892
SES AI Corp. (A)	22,739	55,483
Shoals Technologies Group, Inc., Class A (A)	27,666	707,143
Siemens Energy AG (A)	73,916	1,306,968
Stem, Inc. (A)(C)	23,411	133,911
SunPower Corp. (A)	14,185	139,013
Sunrun, Inc. (A)	46,189	824,936
Thermon Group Holdings, Inc. (A)	5,605	149,093
TPI Composites, Inc. (A)	7,232	74,996
Vestas Wind Systems A/S (A)	143,672	3,819,854
Vicor Corp. (A)	8,448	456,192
		81,422,531
Ground transportation – 0.8%		
ArcBest Corp.	3,870	382,356
Aurizon Holdings, Ltd.	261,875	685,119
Avis Budget Group, Inc. (A)	5,111	1,168,732
Central Japan Railway Company	20,476	2,565,465
Covenant Logistics Group, Inc.	1,456	63,816
CSX Corp.	214,367	7,309,915
Daseke, Inc. (A)	7,211	51,414
East Japan Railway Company	43,040	2,386,717
FTAI Infrastructure, Inc.	18,271	67,420
Grab Holdings, Ltd., Class A (A)	265,800	911,694
Hankyu Hanshin Holdings, Inc.	32,600	1,077,890
Heartland Express, Inc.	7,516	123,338
Hertz Global Holdings, Inc. (A)	33,765	620,938
JB Hunt Transport Services, Inc.	8,743	1,582,745
Keio Corp.	14,615	459,738
Keisei Electric Railway Company, Ltd.	18,394	762,418
Kintetsu Group Holdings Company, Ltd.	25,774	892,611
Knight-Swift Transportation Holdings, Inc.	34,496	1,916,598
Landstar System, Inc.	7,698	1,482,173
Marten Transport, Ltd.	9,262	199,133
MTR Corp., Ltd.	220,815	1,016,538
Norfolk Southern Corp.	24,003	5,442,920
Odakyu Electric Railway Company, Ltd.	41,979	562,505
Old Dominion Freight Line, Inc.	9,481	3,505,600
RXO, Inc. (A)	18,724	424,473
Ryder System, Inc.	9,960	844,508
Saia, Inc. (A)	5,684	1,946,258
Tobu Railway Company, Ltd.	26,873	720,550
Tokyu Corp.	75,608	911,898
TuSimple Holdings, Inc., Class A (A)	28,663	47,581
U.S. Xpress Enterprises, Inc., Class A (A)	5,475	33,617
Union Pacific Corp.	64,287	13,154,406
Universal Logistics Holdings, Inc.	1,149	33,103
Werner Enterprises, Inc.	22,656	1,000,942
West Japan Railway Company	31,225	1,298,712

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Ground transportation (continued)		
XPO, Inc. (A)	24,819	\$ 1,464,321
		57,118,162
Industrial conglomerates – 1.0%		
3M Company	58,169	5,822,135
Brookfield Business Corp., Class A	4,171	78,748
CK Hutchison Holdings, Ltd.	381,238	2,326,826
DCC PLC	14,049	785,923
General Electric Company	114,821	12,613,087
Hikari Tsushin, Inc.	2,900	416,242
Hitachi, Ltd.	133,494	8,300,190
Honeywell International, Inc.	70,164	14,559,030
Investment AB Latour, B Shares	21,064	418,184
Jardine Cycle & Carriage, Ltd.	14,100	363,582
Jardine Matheson Holdings, Ltd.	22,600	1,146,050
Keppel Corp., Ltd.	207,245	1,031,406
Lifco AB, B Shares	33,164	722,238
Siemens AG	108,124	18,024,366
Smiths Group PLC	50,111	1,048,409
Toshiba Corp.	58,528	1,836,570
		69,492,986
Machinery – 2.4%		
3D Systems Corp. (A)	20,727	205,819
AGCO Corp.	13,311	1,749,332
Alamo Group, Inc.	1,596	293,520
Albany International Corp., Class A	5,047	470,784
Alfa Laval AB	41,217	1,503,499
Alstom SA	46,007	1,373,344
Astec Industries, Inc.	3,783	171,900
Atlas Copco AB, A Shares	382,141	5,516,922
Atlas Copco AB, B Shares	222,064	2,768,800
Barnes Group, Inc.	7,794	328,829
Blue Bird Corp. (A)	2,976	66,900
Caterpillar, Inc.	54,340	13,370,357
Chart Industries, Inc. (A)	15,938	2,546,733
CIRCOR International, Inc. (A)	2,992	168,898
CNH Industrial NV	145,583	2,099,687
Columbus McKinnon Corp.	4,581	186,218
Commercial Vehicle Group, Inc. (A)	5,668	62,915
Crane Company	10,330	920,610
Crane NXT Company	10,330	583,025
Cummins, Inc.	14,926	3,659,258
Daifuku Company, Ltd.	43,200	889,738
Daimler Truck Holding AG	70,248	2,531,887
Deere & Company	28,433	11,520,767
Desktop Metal, Inc., Class A (A)(C)	46,737	82,724
Donaldson Company, Inc.	25,980	1,624,010
Douglas Dynamics, Inc.	3,760	112,349
Dover Corp.	14,746	2,177,247
Energy Recovery, Inc. (A)	9,050	252,948
Energpac Tool Group Corp.	9,231	249,237
EnPro Industries, Inc.	3,353	447,726
Epiroc AB, A Shares	93,757	1,775,932
Epiroc AB, B Shares	55,481	897,984
Esab Corp.	11,095	738,261
ESCO Technologies, Inc.	4,075	422,292
FANUC Corp.	136,490	4,791,569
Federal Signal Corp.	9,578	613,279
Flowerserve Corp.	28,095	1,043,729
Fortive Corp.	37,278	2,787,276
Franklin Electric Company, Inc.	7,381	759,505
GEA Group AG	21,549	902,171
Gencor Industries, Inc. (A)	2,024	31,534
Graco, Inc.	36,062	3,113,954
Helios Technologies, Inc.	5,312	351,070
Hillenbrand, Inc.	11,054	566,849

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Hillman Solutions Corp. (A)	28,139	\$ 253,532
Hitachi Construction Machinery Company, Ltd.	15,252	428,848
Hoshizaki Corp.	15,500	556,491
Husqvarna AB, B Shares	59,698	541,674
Hyliion Holdings Corp. (A)	26,518	44,285
Hyster-Yale Materials Handling, Inc.	1,769	98,781
IDEX Corp.	7,969	1,715,407
Illinois Tool Works, Inc.	29,160	7,294,666
Indutrade AB	38,873	877,383
Ingersoll Rand, Inc.	42,652	2,787,735
ITT, Inc.	17,652	1,645,343
John Bean Technologies Corp.	5,105	619,237
Kadant, Inc.	1,866	414,439
Kennametal, Inc.	12,882	365,720
Knorr-Bremse AG	10,320	788,898
Komatsu, Ltd.	131,576	3,558,869
Kone OYJ, B Shares	48,356	2,526,338
Kubota Corp.	144,052	2,108,759
Kurita Water Industries, Ltd.	14,927	573,083
Lincoln Electric Holdings, Inc.	12,333	2,449,704
Lindsay Corp.	1,770	211,232
Luxfer Holdings PLC	4,859	69,144
Makita Corp.	31,852	900,337
Mayville Engineering Company, Inc. (A)	2,173	27,076
Metso Corp.	94,348	1,138,472
Miller Industries, Inc.	1,933	68,564
MINEBEA MITSUMI, Inc.	51,600	978,679
MISUMI Group, Inc.	40,500	815,389
Mitsubishi Heavy Industries, Ltd.	45,563	2,128,031
Mueller Industries, Inc.	8,951	781,243
Mueller Water Products, Inc., Class A	24,885	403,884
NGK Insulators, Ltd.	33,261	397,387
Nikola Corp. (A)(C)	98,071	135,338
Nordson Corp.	5,675	1,408,422
Omega Flex, Inc.	558	57,909
Oshkosh Corp.	13,992	1,211,567
Otis Worldwide Corp.	43,578	3,878,878
PACCAR, Inc.	55,101	4,609,199
Parker-Hannifin Corp.	13,528	5,276,461
Pentair PLC	17,393	1,123,588
Proterra, Inc. (A)	40,614	48,737
Proto Labs, Inc. (A)	4,346	151,936
Rational AG	728	527,146
REV Group, Inc.	5,420	71,869
Sandvik AB	151,691	2,961,644
Schindler Holding AG	3,340	751,857
Schindler Holding AG, Participation Certificates	5,793	1,360,235
Seatrium, Ltd. (A)	5,824,749	540,245
SKF AB, B Shares	48,479	844,771
SMC Corp.	8,147	4,527,792
Snap-on, Inc.	5,581	1,608,388
Spirax-Sarco Engineering PLC	10,496	1,383,415
SPX Technologies, Inc. (A)	7,087	602,182
Standex International Corp.	1,862	263,417
Stanley Black & Decker, Inc.	16,147	1,513,135
Techtronic Industries Company, Ltd.	195,742	2,140,557
Tennant Company	2,918	236,679
Terex Corp.	25,271	1,511,964
The Gorman-Rupp Company	3,840	110,707
The Greenbrier Companies, Inc.	5,047	217,526
The Manitowoc Company, Inc. (A)	5,821	109,609
The Middleby Corp. (A)	11,464	1,694,723
The Shyft Group, Inc.	5,649	124,617

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
The Timken Company	14,113	\$ 1,291,763
The Toro Company	22,340	2,270,861
Titan International, Inc. (A)	8,704	99,922
Toyota Industries Corp.	20,853	1,493,995
Trinity Industries, Inc.	12,999	334,204
VAT Group AG (B)	3,841	1,590,996
Velo3D, Inc. (A)(C)	15,761	34,044
Volvo AB, A Shares	28,484	607,095
Volvo AB, B Shares	214,694	4,443,095
Wabash National Corp.	7,546	193,479
Wabtec Corp.	18,965	2,079,892
Wartsila OYJ ABP	67,347	759,403
Watts Water Technologies, Inc., Class A	10,217	1,877,169
Xylem, Inc.	25,229	2,841,290
Yaskawa Electric Corp.	34,110	1,572,576
		176,794,315
Marine transportation – 0.1%		
A.P. Moller - Maersk A/S, Series A	441	768,972
A.P. Moller - Maersk A/S, Series B	715	1,257,146
Costamare, Inc.	7,246	70,069
Eagle Bulk Shipping, Inc. (C)	2,195	105,448
Eneti, Inc.	4,504	54,543
Genco Shipping & Trading, Ltd.	6,771	94,997
Golden Ocean Group, Ltd. (C)	19,861	149,951
Himalaya Shipping, Ltd. (A)(C)	5,278	29,346
Kawasaki Kisen Kaisha, Ltd. (A)	19,600	480,592
Kirby Corp. (A)	12,853	989,038
Kuehne + Nagel International AG	7,731	2,290,130
Matson, Inc.	5,696	442,750
Mitsui OSK Lines, Ltd.	48,900	1,176,491
Nippon Yusen KK	68,975	1,531,842
Pangaea Logistics Solutions, Ltd.	6,552	44,357
Safe Bulkers, Inc.	12,106	39,466
SITC International Holdings Company, Ltd.	191,000	349,753
		9,874,891
Passenger airlines – 0.2%		
Alaska Air Group, Inc. (A)	13,486	717,185
Allegiant Travel Company (A)	2,551	322,140
American Airlines Group, Inc. (A)	68,842	1,235,025
ANA Holdings, Inc. (A)	22,749	541,888
Blade Air Mobility, Inc. (A)(C)	11,415	44,975
Delta Air Lines, Inc. (A)	67,769	3,221,738
Deutsche Lufthansa AG (A)	85,039	871,951
Frontier Group Holdings, Inc. (A)	6,404	61,927
Hawaiian Holdings, Inc. (A)	8,987	96,790
Japan Airlines Company, Ltd.	20,540	445,378
JetBlue Airways Corp. (A)	122,734	1,087,423
Joby Aviation, Inc. (A)(C)	45,232	464,080
Qantas Airways, Ltd. (A)	126,651	524,856
Singapore Airlines, Ltd.	190,627	1,009,947
SkyWest, Inc. (A)	7,763	316,109
Southwest Airlines Company	62,744	2,271,960
Spirit Airlines, Inc.	17,428	299,064
Sun Country Airlines Holdings, Inc. (A)	6,210	139,601
United Airlines Holdings, Inc. (A)	34,581	1,897,459
		15,569,496
Professional services – 1.3%		
Adecco Group AG	22,764	745,552
Alight, Inc., Class A (A)	63,886	590,307
ASGN, Inc. (A)	18,280	1,382,516
Asure Software, Inc. (A)	3,348	40,712
Automatic Data Processing, Inc.	43,560	9,574,052
Barrett Business Services, Inc.	1,118	97,490

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
BayCurrent Consulting, Inc.	18,800	\$ 706,916
BlackSky Technology, Inc. (A)	22,091	49,042
Broadridge Financial Solutions, Inc.	12,440	2,060,437
Bureau Veritas SA (C)	41,829	1,147,581
CACI International, Inc., Class A (A)	4,883	1,664,322
CBIZ, Inc. (A)	7,651	407,645
Ceridian HCM Holding, Inc. (A)	16,347	1,094,759
Computershare, Ltd.	81,597	1,273,403
Concentrix Corp.	9,145	738,459
Coherent, Inc. (A)	29,340	99,756
CoStar Group, Inc. (A)	43,077	3,833,853
CRA International, Inc.	1,114	113,628
CSG Systems International, Inc.	5,043	265,968
Equifax, Inc.	12,932	3,042,900
EXL Service Holdings, Inc. (A)	12,313	1,860,002
Experian PLC	130,766	5,018,926
Exponent, Inc.	18,986	1,771,774
First Advantage Corp. (A)	8,989	138,520
FiscalNote Holdings, Inc. (A)	11,363	41,361
Forrester Research, Inc. (A)	2,089	60,769
Franklin Covey Company (A)	2,123	92,733
FTI Consulting, Inc. (A)	7,279	1,384,466
Genpact, Ltd.	36,293	1,363,528
Heidrick & Struggles International, Inc.	3,348	88,622
HireQuest, Inc.	1,110	28,893
Huron Consulting Group, Inc. (A)	3,061	259,910
IBEX Holdings, Ltd. (A)	1,934	41,059
ICF International, Inc.	2,981	370,807
Innodata, Inc. (A)	4,315	48,889
Insperty, Inc.	13,543	1,611,075
Intertek Group PLC	22,961	1,244,667
Jacobs Solutions, Inc.	13,375	1,590,154
KBR, Inc.	29,075	1,891,620
Kelly Services, Inc., Class A	5,525	97,295
Kforce, Inc.	3,107	194,685
Korn Ferry	8,391	415,690
Legalzoom.com, Inc. (A)	16,996	205,312
Leidos Holdings, Inc.	14,463	1,279,686
ManpowerGroup, Inc.	10,802	857,679
Maximus, Inc.	22,734	1,921,250
Mistras Group, Inc. (A)	3,906	30,154
NV5 Global, Inc. (A)	2,213	245,134
Paychex, Inc.	33,830	3,784,562
Paycom Software, Inc.	5,126	1,646,676
Paylocity Holding Corp. (A)	8,848	1,632,721
Persol Holdings Company, Ltd.	25,300	457,875
Planet Labs PBC (A)	31,573	101,665
Randstad NV	15,703	828,172
Recruit Holdings Company, Ltd.	205,100	6,545,833
Red Violet, Inc. (A)	1,601	32,933
RELX PLC	270,719	9,031,369
Resources Connection, Inc.	5,392	84,708
Robert Half International, Inc.	11,363	854,725
Science Applications International Corp.	11,566	1,300,944
SGS SA (A)	21,326	2,017,459
Sterling Check Corp. (A)	4,073	49,935
Teleperformance	8,411	1,410,980
TriNet Group, Inc. (A)	6,034	573,049
TrueBlue, Inc. (A)	5,017	88,851
TTEC Holdings, Inc.	3,231	109,337
Upwork, Inc. (A)	20,333	189,910
Verisk Analytics, Inc.	15,267	3,450,800
Verra Mobility Corp. (A)	22,436	442,438
Willdan Group, Inc. (A)	2,396	45,907

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Wolters Kluwer NV	36,636	\$ 4,651,800
		92,416,607
Trading companies and distributors – 0.9%		
AerCap Holdings NV (A)	23,600	1,499,072
Alta Equipment Group, Inc.	3,276	56,773
Applied Industrial Technologies, Inc.	6,183	895,484
Ashtead Group PLC	62,391	4,325,620
Beacon Roofing Supply, Inc. (A)	7,847	651,144
Beijer Ref AB	47,915	612,041
BlueLinX Holdings, Inc. (A)	1,401	131,386
Boise Cascade Company	6,345	573,271
Brenntag SE	21,980	1,714,837
Bunzl PLC	48,046	1,830,939
Custom Truck One Source, Inc. (A)	9,552	64,380
Distribution Solutions Group, Inc. (A)	784	40,815
DXP Enterprises, Inc. (A)	2,422	88,185
Fastenal Company	60,209	3,551,729
FTAI Aviation, Ltd.	15,988	506,180
GATX Corp.	13,218	1,701,685
Global Industrial, Inc.	2,264	62,871
GMS, Inc. (A)	6,686	462,671
H&E Equipment Services, Inc.	5,232	239,364
Herc Holdings, Inc.	4,542	621,573
Hudson Technologies, Inc. (A)	7,600	73,112
IMCD NV	8,108	1,166,830
ITOCHU Corp.	169,104	6,717,072
Marubeni Corp.	217,459	3,706,371
McGrath RentCorp	3,956	365,851
Mitsubishi Corp.	176,306	8,523,849
Mitsui & Company, Ltd.	186,803	7,070,087
MonotaRO Company, Ltd.	35,700	455,904
MRC Global, Inc. (A)	13,821	139,177
MSC Industrial Direct Company, Inc., Class A	10,124	964,615
NOW, Inc. (A)	18,016	186,646
Reece, Ltd.	32,166	400,706
Rush Enterprises, Inc., Class A	6,585	399,973
Rush Enterprises, Inc., Class B	1,051	71,531
Sumitomo Corp.	160,238	3,399,444
Textainer Group Holdings, Ltd.	6,800	267,784
Titan Machinery, Inc. (A)	3,412	100,654
Toyota Tsusho Corp.	30,182	1,508,378
Transcat, Inc. (A)	1,224	104,419
Triton International, Ltd.	8,714	725,528
United Rentals, Inc.	7,247	3,227,596
Univar Solutions, Inc. (A)	33,792	1,211,105
Veritiv Corp.	2,111	265,163
W.W. Grainger, Inc.	4,708	3,712,682
Watsco, Inc.	7,160	2,731,325
WESCO International, Inc.	9,666	1,730,794
Xometry, Inc., Class A (A)	5,609	118,799
		68,975,415
Transportation infrastructure – 0.1%		
Aena SME SA (B)	10,670	1,726,904
Aeroports de Paris	4,224	606,955
Auckland International Airport, Ltd. (A)	178,108	936,041
Getlink SE	50,861	865,545
Transurban Group	438,267	4,172,900
		8,308,345
		876,072,529
Information technology – 19.0%		
Communications equipment – 0.6%		
ADTRAN Holdings, Inc.	12,946	136,321
Arista Networks, Inc. (A)	26,330	4,267,040

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Communications equipment (continued)		
Aviat Networks, Inc. (A)	1,924	\$ 64,204
Calix, Inc. (A)	21,823	1,089,186
Cambium Networks Corp. (A)	2,180	33,180
Ciena Corp. (A)	31,953	1,357,683
Cisco Systems, Inc.	431,866	22,344,747
Clearfield, Inc. (A)	2,156	102,087
CommScope Holding Company, Inc. (A)	33,976	191,285
Comtech Telecommunications Corp.	5,110	46,705
Digi International, Inc. (A)	5,653	222,672
Extreme Networks, Inc. (A)	20,405	531,550
F5, Inc. (A)	6,376	932,554
Harmonic, Inc. (A)	17,808	287,955
Infinera Corp. (A)(C)	32,613	157,521
Juniper Networks, Inc.	33,909	1,062,369
KVH Industries, Inc. (A)	3,769	34,449
Lumentum Holdings, Inc. (A)	14,717	834,895
Motorola Solutions, Inc.	17,684	5,186,364
NETGEAR, Inc. (A)	4,925	69,738
NetScout Systems, Inc. (A)	10,939	338,562
Nokia OYJ	761,235	3,189,465
Ribbon Communications, Inc. (A)	15,346	42,815
Telefonaktiebolaget LM Ericsson, B Shares	415,250	2,256,176
Viavi Solutions, Inc. (A)	36,235	410,543
		45,190,066
Electronic equipment, instruments and components – 1.2%		
908 Devices, Inc. (A)	4,431	30,397
Advanced Energy Industries, Inc.	6,031	672,155
Akoustis Technologies, Inc. (A)	13,318	42,351
Amphenol Corp., Class A	62,771	5,332,396
Arlo Technologies, Inc. (A)	14,121	154,060
Arrow Electronics, Inc. (A)	12,101	1,733,226
Avnet, Inc.	19,580	987,811
Azbil Corp.	16,400	519,059
Badger Meter, Inc.	4,691	692,204
Bel Fuse, Inc., Class B	1,720	98,745
Belden, Inc.	15,912	1,521,983
Benchmark Electronics, Inc.	5,623	145,242
CDW Corp.	14,212	2,607,902
Climb Global Solutions, Inc.	759	36,326
Cognex Corp.	36,975	2,071,340
Coherent Corp. (A)	29,858	1,522,161
Corning, Inc.	80,674	2,826,817
CTS Corp.	5,018	213,917
Daktronics, Inc. (A)	6,917	44,269
ePlus, Inc. (A)	4,252	239,388
Evolv Technologies Holdings, Inc. (A)	18,614	111,684
Fabrinet (A)	5,895	765,643
FARO Technologies, Inc. (A)	3,674	59,519
Halma PLC	54,012	1,563,395
Hamamatsu Photonics KK	20,000	981,868
Hexagon AB, B Shares	295,376	3,633,217
Hirose Electric Company, Ltd.	4,275	569,149
Ibiden Company, Ltd.	16,000	910,359
Insight Enterprises, Inc. (A)	4,581	670,384
IPG Photonics Corp. (A)	6,688	908,364
Iteris, Inc. (A)	8,340	33,026
Itron, Inc. (A)	7,344	529,502
Jabil, Inc.	28,424	3,067,802
Keyence Corp.	27,700	13,161,833
Keysight Technologies, Inc. (A)	18,783	3,145,213
Kimball Electronics, Inc. (A)	3,965	109,553
Knowles Corp. (A)	14,418	260,389
Kyocera Corp.	45,663	2,482,335
Lightwave Logic, Inc. (A)(C)	19,018	132,555
Littelfuse, Inc.	5,320	1,549,769

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Luna Innovations, Inc. (A)	5,655	\$ 51,574
Methode Electronics, Inc.	5,576	186,908
MicroVision, Inc. (A)(C)	29,092	133,241
Mirion Technologies, Inc. (A)	32,328	273,172
Murata Manufacturing Company, Ltd.	81,739	4,695,164
Napco Security Technologies, Inc.	5,108	176,992
National Instruments Corp.	28,170	1,616,958
nLight, Inc. (A)	7,352	113,368
Novanta, Inc. (A)	13,410	2,468,781
Omron Corp.	24,918	1,530,009
OSI Systems, Inc. (A)	2,529	297,992
PAR Technology Corp. (A)	4,330	142,587
PC Connection, Inc.	1,773	79,962
Plexus Corp. (A)	4,369	429,211
Richardson Electronics, Ltd.	2,230	36,795
Rogers Corp. (A)	2,787	451,299
Sanmina Corp. (A)	9,170	552,676
ScanSource, Inc. (A)	4,036	119,304
Shimadzu Corp.	33,692	1,041,373
SmartRent, Inc. (A)(C)	30,804	117,979
TD SYNnex Corp.	8,894	836,036
TDK Corp.	55,263	2,155,525
TE Connectivity, Ltd.	33,226	4,656,956
Teledyne Technologies, Inc. (A)	4,961	2,039,517
Trimble, Inc. (A)	26,122	1,382,899
TTM Technologies, Inc. (A)	16,464	228,850
Venture Corp., Ltd.	39,500	431,253
Vishay Intertechnology, Inc.	47,939	1,409,407
Vishay Precision Group, Inc. (A)	2,107	78,275
Vontier Corp.	33,337	1,073,785
Yokogawa Electric Corp.	32,492	601,463
Zebra Technologies Corp., Class A (A)	5,423	1,604,286
		87,150,905
IT services – 0.9%		
Accenture PLC, Class A	66,589	20,548,034
Akamai Technologies, Inc. (A)	16,048	1,442,234
Bechtle AG	11,652	462,731
BigCommerce Holdings, Inc., Series 1 (A)	11,238	111,818
Brightcove, Inc. (A)	8,668	34,759
Capgemini SE (C)	23,461	4,442,167
Cognizant Technology Solutions Corp., Class A	53,508	3,493,002
DigitalOcean Holdings, Inc. (A)	10,187	408,906
DXC Technology Company (A)	24,007	641,467
EPAM Systems, Inc. (A)	6,106	1,372,324
Fastly, Inc., Class A (A)	19,129	301,664
Fujitsu, Ltd.	25,023	3,240,047
Gartner, Inc. (A)	8,334	2,919,484
Grid Dynamics Holdings, Inc. (A)	9,309	86,108
IBM Corp.	95,745	12,811,638
Information Services Group, Inc.	6,685	35,832
Itochu Techno-Solutions Corp.	13,700	347,157
Kyndryl Holdings, Inc. (A)	43,863	582,501
NEC Corp.	34,984	1,697,161
Nomura Research Institute, Ltd.	54,900	1,516,746
NTT Data Corp.	89,810	1,259,217
Obic Company, Ltd.	9,900	1,589,032
Otsuka Corp.	16,200	631,017
Perficient, Inc. (A)	5,541	461,732
SCSK Corp.	22,200	349,362
Squarespace, Inc., Class A (A)	7,176	226,331
The Hackett Group, Inc.	4,163	93,043
Thoughtworks Holding, Inc. (A)	15,098	113,990
TIS, Inc.	31,300	784,232

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Tucows, Inc., Class A (A)	1,727	\$ 47,907
Unisys Corp. (A)	11,814	47,020
VeriSign, Inc. (A)	9,549	2,157,788
Wix.com, Ltd. (A)	7,700	602,448
		64,858,899
Semiconductors and semiconductor equipment – 5.4%		
ACM Research, Inc., Class A (A)	7,981	104,391
Advanced Micro Devices, Inc. (A)	169,798	19,341,690
Advantest Corp.	27,300	3,676,873
Aehr Test Systems (A)	4,192	172,920
Allegro MicroSystems, Inc. (A)	13,967	630,470
Alpha & Omega Semiconductor, Ltd. (A)	3,797	124,542
Ambarella, Inc. (A)	5,885	492,398
Amkor Technology, Inc.	38,014	1,130,917
Analog Devices, Inc.	53,337	10,390,581
Applied Materials, Inc.	89,110	12,879,959
ASM International NV	6,670	2,832,110
ASML Holding NV	57,354	41,600,505
Atomera, Inc. (A)(C)	4,103	35,983
Axcelis Technologies, Inc. (A)	5,231	958,999
Broadcom, Inc.	43,961	38,133,090
CEVA, Inc. (A)	3,950	100,923
Cirrus Logic, Inc. (A)	11,837	958,915
Cohu, Inc. (A)	7,511	312,157
Credo Technology Group Holding, Ltd. (A)	15,810	274,145
Diodes, Inc. (A)	7,240	669,628
Disco Corp.	13,100	2,076,952
Enphase Energy, Inc. (A)	14,450	2,420,086
First Solar, Inc. (A)	10,475	1,991,193
FormFactor, Inc. (A)	12,500	427,750
Ichor Holdings, Ltd. (A)	4,659	174,713
Impinj, Inc. (A)	3,708	332,422
Indie Semiconductor, Inc., Class A (A)	22,343	210,024
Infineon Technologies AG	185,791	7,651,287
Intel Corp.	439,793	14,706,678
inTEST Corp. (A)	1,886	49,526
KLA Corp.	14,466	7,016,299
Kulicke & Soffa Industries, Inc.	8,878	527,797
Lam Research Corp.	14,165	9,106,112
Lasertec Corp.	10,700	1,616,947
Lattice Semiconductor Corp. (A)	29,487	2,832,816
MACOM Technology Solutions Holdings, Inc. (A)	19,820	1,298,805
Maxeon Solar Technologies, Ltd. (A)	4,095	115,315
MaxLinear, Inc. (A)	12,074	381,055
Microchip Technology, Inc.	57,760	5,174,718
Micron Technology, Inc.	115,394	7,282,515
MKS Instruments, Inc.	12,301	1,329,738
Monolithic Power Systems, Inc.	4,750	2,566,093
Navitas Semiconductor Corp. (A)	16,674	175,744
NVE Corp.	829	80,778
NVIDIA Corp.	260,769	110,310,502
NXP Semiconductors NV	27,388	5,605,776
ON Semiconductor Corp. (A)	45,537	4,306,889
Onto Innovation, Inc. (A)	7,869	916,502
PDF Solutions, Inc. (A)	4,942	222,884
Photronics, Inc. (A)	9,852	254,083
Power Integrations, Inc.	21,397	2,025,654
Qorvo, Inc. (A)	10,532	1,074,580
Qualcomm, Inc.	117,461	13,982,557
Rambus, Inc. (A)	17,548	1,126,055
Renesas Electronics Corp. (A)	181,100	3,417,775
Rohm Company, Ltd.	12,442	1,178,558
Semtech Corp. (A)	10,382	264,326
Silicon Laboratories, Inc. (A)	11,950	1,884,993

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
SiTime Corp. (A)	2,778	\$ 327,721
Skyworks Solutions, Inc.	16,781	1,857,489
SMART Global Holdings, Inc. (A)	7,824	226,974
SolarEdge Technologies, Inc. (A)	5,941	1,598,426
STMicroelectronics NV	97,235	4,849,438
SUMCO Corp.	49,800	706,522
Synaptics, Inc. (A)	14,822	1,265,502
Teradyne, Inc.	16,347	1,819,912
Texas Instruments, Inc.	95,704	17,228,634
Tokyo Electron, Ltd.	63,780	9,186,133
Tower Semiconductor, Ltd. (A)	15,643	577,839
Ultra Clean Holdings, Inc. (A)	7,162	275,451
Universal Display Corp.	9,329	1,344,589
Veeco Instruments, Inc. (A)	8,207	210,756
Wolfspeed, Inc. (A)	26,665	1,482,307
		393,895,386
Software – 6.5%		
8x8, Inc. (A)	18,595	78,657
A10 Networks, Inc.	11,242	164,021
ACI Worldwide, Inc. (A)	40,607	940,864
Adeia, Inc.	17,403	191,607
Adobe, Inc. (A)	48,366	23,650,490
Agilysys, Inc. (A)	3,226	221,433
Alarm.com Holdings, Inc. (A)	7,702	398,039
Alkami Technology, Inc. (A)	6,423	105,273
Altair Engineering, Inc., Class A (A)	8,634	654,803
American Software, Inc., Class A	5,503	57,837
Amplitude, Inc., Class A (A)	11,239	123,629
ANSYS, Inc. (A)	9,138	3,018,007
Appfolio, Inc., Class A (A)	3,084	530,880
Appian Corp., Class A (A)	6,642	316,159
Applied Digital Corp. (A)(C)	11,152	104,271
Asana, Inc., Class A (A)	12,807	282,266
Aspen Technology, Inc. (A)	6,253	1,048,065
Autodesk, Inc. (A)	22,580	4,620,094
AvePoint, Inc. (A)	24,962	143,781
Bit Digital, Inc. (A)	12,207	49,560
Blackbaud, Inc. (A)	16,671	1,186,642
Blackline, Inc. (A)	9,060	487,609
Box, Inc., Class A (A)	22,584	663,518
Braze, Inc., Class A (A)(C)	5,601	245,268
c3.ai, Inc., Class A (A)(C)	9,459	344,591
Cadence Design Systems, Inc. (A)	28,752	6,742,919
Cerence, Inc. (A)	6,636	193,970
Check Point Software Technologies, Ltd. (A)	13,726	1,724,260
CleanSpark, Inc. (A)(C)	12,885	55,277
Clear Secure, Inc., Class A	13,435	311,289
CommVault Systems, Inc. (A)	16,588	1,204,621
Consensus Cloud Solutions, Inc. (A)	3,183	98,673
CoreCard Corp. (A)	1,319	33,450
Couchbase, Inc. (A)	5,606	88,687
CS Disco, Inc. (A)	4,304	35,379
CyberArk Software, Ltd. (A)	5,800	906,714
Dassault Systemes SE	94,984	4,208,831
Digimarc Corp. (A)	2,409	70,921
Digital Turbine, Inc. (A)	15,613	144,889
Domo, Inc., Class B (A)	5,270	77,258
Dropbox, Inc., Class A (A)	58,260	1,553,794
Dynatrace, Inc. (A)	46,441	2,390,318
E2open Parent Holdings, Inc. (A)	32,694	183,086
Ebix, Inc.	4,420	111,384
eGain Corp. (A)	4,177	31,286
Enfusion, Inc., Class A (A)	4,411	49,491
EngageSmart, Inc. (A)	7,836	149,589

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Envestnet, Inc. (A)	19,720	\$ 1,170,382
Everbridge, Inc. (A)	6,631	178,374
EverCommerce, Inc. (A)	3,810	45,110
Expensify, Inc., Class A (A)	9,490	75,730
Fair Isaac Corp. (A)	2,635	2,132,268
ForgeRock, Inc., Class A (A)	7,601	156,125
Fortinet, Inc. (A)	68,717	5,194,318
Freshworks, Inc., Class A (A)	26,192	460,455
Gen Digital, Inc.	59,978	1,112,592
Instructure Holdings, Inc. (A)	3,089	77,719
Intapp, Inc. (A)	2,533	106,158
InterDigital, Inc.	4,357	420,668
Intuit, Inc.	29,581	13,553,718
Jamf Holding Corp. (A)	11,277	220,127
Kaltura, Inc. (A)	16,172	34,285
LivePerson, Inc. (A)	11,246	50,832
LiveRamp Holdings, Inc. (A)	10,304	294,282
Manhattan Associates, Inc. (A)	13,288	2,656,005
Marathon Digital Holdings, Inc. (A)	27,163	376,479
Matterport, Inc. (A)	41,708	131,380
MeridianLink, Inc. (A)	4,253	88,462
Microsoft Corp.	784,004	266,984,722
MicroStrategy, Inc., Class A (A)	1,778	608,823
Mitek Systems, Inc. (A)	7,254	78,633
Model N, Inc. (A)	5,976	211,311
Monday.com, Ltd. (A)	2,700	462,294
N-able, Inc. (A)	11,218	161,651
NCR Corp. (A)	30,077	757,940
Nemetschek SE	8,216	613,380
NextNav, Inc. (A)	10,287	30,244
Nice, Ltd. (A)	9,039	1,860,382
Olo, Inc., Class A (A)	17,027	109,994
ON24, Inc.	5,666	46,008
OneSpan, Inc. (A)	6,720	99,725
Oracle Corp.	162,262	19,323,782
Oracle Corp.	5,506	409,501
PagerDuty, Inc. (A)	13,704	308,066
Palo Alto Networks, Inc. (A)	31,907	8,152,558
PowerSchool Holdings, Inc., Class A (A)	9,029	172,815
Progress Software Corp.	6,912	401,587
PROS Holdings, Inc. (A)	7,199	221,729
PTC, Inc. (A)	11,231	1,598,171
Q2 Holdings, Inc. (A)	9,233	285,300
Qualys, Inc. (A)	13,149	1,698,456
Rapid7, Inc. (A)	9,673	437,993
Rimini Street, Inc. (A)	9,109	43,632
Riot Platforms, Inc. (A)(C)	25,827	305,275
Roper Technologies, Inc.	11,239	5,403,711
Salesforce, Inc. (A)	103,229	21,808,159
SAP SE	148,561	20,294,537
Sapiens International Corp. NV	4,959	131,909
SEMrush Holdings, Inc., Class A (A)(C)	5,312	50,836
ServiceNow, Inc. (A)	21,483	12,072,802
SolarWinds Corp. (A)	8,224	84,378
SoundHound AI, Inc., Class A (A)(C)	22,920	104,286
SoundThinking, Inc. (A)	1,644	35,938
Sprinklr, Inc., Class A (A)	14,025	193,966
Sprout Social, Inc., Class A (A)	7,705	355,663
SPS Commerce, Inc. (A)	5,893	1,131,810
Synopsys, Inc. (A)	16,059	6,992,249
Temenos AG	9,074	722,523
Tenable Holdings, Inc. (A)	18,376	800,275
Teradata Corp. (A)	21,658	1,156,754
The Sage Group PLC	145,721	1,711,770
Trend Micro, Inc.	19,064	922,821

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Tyler Technologies, Inc. (A)	4,421	\$ 1,841,214
Varonis Systems, Inc. (A)	17,508	466,588
Verint Systems, Inc. (A)	10,110	354,457
Weave Communications, Inc. (A)	5,621	62,449
WiseTech Global, Ltd.	23,606	1,266,184
Workiva, Inc. (A)	7,845	797,523
Xero, Ltd. (A)	20,417	1,635,809
Xperi, Inc. (A)	7,175	94,351
Yext, Inc. (A)	17,345	196,172
Zeta Global Holdings Corp., Class A (A)	21,753	185,771
Zuora, Inc., Class A (A)	20,160	221,155
		475,008,951
Technology hardware, storage and peripherals – 4.4%		
Apple, Inc.	1,558,940	302,387,592
Avid Technology, Inc. (A)	5,490	139,995
Brother Industries, Ltd.	33,036	483,534
Canon, Inc. (C)	142,277	3,739,982
Corsair Gaming, Inc. (A)	6,013	106,671
Eastman Kodak Company (A)(C)	9,797	45,262
FUJIFILM Holdings Corp.	53,138	3,166,129
Hewlett Packard Enterprise Company	136,636	2,295,485
HP, Inc.	91,408	2,807,140
Immersion Corp. (A)	5,548	39,280
IonQ, Inc. (A)	25,996	351,726
Logitech International SA	23,396	1,396,393
NetApp, Inc.	22,555	1,723,202
Ricoh Company, Ltd.	78,077	665,362
Seagate Technology Holdings PLC	20,307	1,256,394
Seiko Epson Corp.	41,047	640,833
Super Micro Computer, Inc. (A)	17,240	4,297,070
Turtle Beach Corp. (A)	2,832	32,993
Western Digital Corp. (A)	33,734	1,279,531
Xerox Holdings Corp.	42,437	631,887
		327,486,461
		1,393,590,668
Materials – 4.3%		
Chemicals – 2.1%		
AdvanSix, Inc.	4,283	149,819
Air Liquide SA	74,492	13,359,030
Air Products & Chemicals, Inc.	23,421	7,015,292
Akzo Nobel NV	24,247	1,982,269
Albemarle Corp.	12,372	2,760,069
American Vanguard Corp.	4,649	83,078
Amyris, Inc. (A)(C)	39,665	40,855
Arkema SA	8,007	755,031
Asahi Kasei Corp.	178,457	1,208,345
Ashland, Inc.	10,406	904,385
Aspen Aerogels, Inc. (A)	8,817	69,566
Avient Corp.	32,842	1,343,238
Axalta Coating Systems, Ltd. (A)	47,457	1,557,064
Balchem Corp.	5,136	692,384
BASF SE	127,167	6,178,184
Cabot Corp.	20,885	1,396,998
Celanese Corp.	10,553	1,222,037
CF Industries Holdings, Inc.	20,553	1,426,789
Chase Corp.	1,207	146,313
Chr. Hansen Holding A/S	15,007	1,043,265
Clariant AG (A)	30,696	444,065
Core Molding Technologies, Inc. (A)	1,478	33,625
Corteva, Inc.	74,954	4,294,864
Covestro AG (A)(B)	27,486	1,430,171
Croda International PLC	19,866	1,420,110
Danimer Scientific, Inc. (A)	14,864	35,376
Diversy Holdings, Ltd. (A)(C)	13,006	109,120

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Dow, Inc.	74,580	\$ 3,972,131
DSM-Firmenich AG (A)	24,867	2,676,042
DuPont de Nemours, Inc.	48,399	3,457,625
Eastman Chemical Company	12,564	1,051,858
Ecolab, Inc.	26,118	4,875,969
Ecovyst, Inc. (A)	15,299	175,327
EMS-Chemie Holding AG	998	756,295
Evonik Industries AG	29,834	568,480
FMC Corp.	13,184	1,375,619
FutureFuel Corp.	4,959	43,887
Givaudan SA	1,314	4,358,460
Hawkins, Inc.	3,161	150,748
HB Fuller Company	8,623	616,631
ICL Group, Ltd.	110,053	604,058
Ingevity Corp. (A)	6,048	351,752
Innospec, Inc.	3,985	400,253
International Flavors & Fragrances, Inc.	26,897	2,140,732
Intrepid Potash, Inc. (A)	1,970	44,699
Johnson Matthey PLC	26,100	579,412
JSR Corp.	25,190	723,864
Koppers Holdings, Inc.	3,329	113,519
Kronos Worldwide, Inc.	4,206	36,718
Linde PLC	51,623	19,672,493
Livent Corp. (A)	29,029	796,265
LSB Industries, Inc. (A)	9,125	89,881
LyondellBasell Industries NV, Class A	26,752	2,456,636
Mativ Holdings, Inc.	8,884	134,326
Minerals Technologies, Inc.	5,196	299,757
Mitsubishi Chemical Group Corp.	182,159	1,095,619
Mitsui Chemicals, Inc.	24,318	716,791
NewMarket Corp.	1,423	572,217
Nippon Paint Holdings Company, Ltd.	134,900	1,116,432
Nippon Sanso Holdings Corp.	24,657	535,695
Nissan Chemical Corp.	18,100	780,465
Nitto Denko Corp.	21,287	1,580,042
Novozymes A/S, B Shares	29,098	1,357,685
OCI NV (A)	15,009	360,501
Olin Corp.	25,755	1,323,549
Orica, Ltd.	64,609	640,065
Origin Materials, Inc. (A)(C)	18,106	77,132
Orion SA	9,002	191,022
Perimeter Solutions SA (A)	25,912	159,359
PPG Industries, Inc.	24,823	3,681,251
PureCycle Technologies, Inc. (A)(C)	19,183	205,066
Quaker Chemical Corp.	2,226	433,847
Rayonier Advanced Materials, Inc. (A)	11,180	47,850
RPM International, Inc.	27,616	2,477,984
Sensient Technologies Corp.	15,734	1,119,159
Shin-Etsu Chemical Company, Ltd.	259,130	8,659,589
Sika AG	20,778	5,950,831
Solvay SA	10,544	1,179,030
Stepan Company	3,379	322,897
Sumitomo Chemical Company, Ltd.	200,244	608,624
Symrise AG	18,891	1,980,769
The Chemours Company	31,952	1,178,709
The Mosaic Company	35,018	1,225,630
The Scotts Miracle-Gro Company	8,769	549,729
The Sherwin-Williams Company	24,745	6,570,292
Toray Industries, Inc.	197,272	1,099,872
Tosoh Corp.	37,000	437,641
Trinseo PLC	5,969	75,627
Tronox Holdings PLC	18,846	239,533
Umicore SA	29,797	833,101
Wacker Chemie AG	2,597	356,761
Westlake Corp.	7,383	882,047

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Yara International ASA	23,556	\$ 832,278
		155,079,470
Construction materials – 0.3%		
CRH PLC	105,336	5,811,106
Eagle Materials, Inc.	7,723	1,439,722
Heidelberg Materials AG	20,603	1,694,362
Holcim, Ltd. (A)	78,865	5,316,068
James Hardie Industries PLC, CHESS Depository Interest (A)	62,890	1,677,650
Knife River Corp. (A)	19,204	835,374
Martin Marietta Materials, Inc.	6,534	3,016,682
Summit Materials, Inc., Class A (A)	19,188	726,266
United States Lime & Minerals, Inc.	346	72,276
Vulcan Materials Company	14,030	3,162,923
		23,752,429
Containers and packaging – 0.3%		
Amcor PLC	155,152	1,548,417
AptarGroup, Inc.	14,036	1,626,211
Avery Dennison Corp.	8,512	1,462,362
Ball Corp.	33,167	1,930,651
Berry Global Group, Inc.	25,535	1,642,922
Crown Holdings, Inc.	25,728	2,234,991
Graphic Packaging Holding Company	65,796	1,581,078
Greif, Inc., Class A	9,282	639,437
Greif, Inc., Class B	906	69,989
International Paper Company	36,594	1,164,055
Myers Industries, Inc.	6,084	118,212
O-I Glass, Inc. (A)	24,907	531,266
Packaging Corp. of America	9,483	1,253,273
Pactiv Evergreen, Inc.	6,632	50,204
Ranpak Holdings Corp. (A)	8,226	37,182
Sealed Air Corp.	15,225	609,000
SIG Group AG (A)	43,508	1,201,983
Silgan Holdings, Inc.	17,950	841,676
Smurfit Kappa Group PLC	37,011	1,235,245
Sonoco Products Company	20,984	1,238,476
TriMas Corp.	6,665	183,221
Westrock Company	27,005	785,035
		21,984,886
Metals and mining – 1.5%		
1911 Gold Corp. (A)	3,149	208
Alcoa Corp.	38,217	1,296,703
Alpha Metallurgical Resources, Inc.	2,063	339,075
Anglo American PLC	180,780	5,147,437
Antofagasta PLC	56,102	1,043,297
ArcelorMittal SA	68,687	1,874,066
Arcenic Corp. (A)	15,953	471,890
ATI, Inc. (A)	20,739	917,286
BHP Group, Ltd.	720,706	21,665,831
BlueScope Steel, Ltd.	65,568	902,400
Boliden AB	38,912	1,127,598
Boliden AB, Redemption Shares (A)	39,000	41,584
Caledonia Mining Corp. PLC (C)	3,176	36,905
Carpenter Technology Corp.	7,775	436,411
Century Aluminum Company (A)	9,109	79,430
Cleveland-Cliffs, Inc. (A)	110,341	1,849,315
Coeur Mining, Inc. (A)	51,783	147,064
Commercial Metals Company	43,838	2,308,509
Compass Minerals International, Inc.	5,634	191,556
Constellium SE (A)	20,365	350,278
Contango ORE, Inc. (A)	1,056	26,907
Dakota Gold Corp. (A)(C)	11,106	32,430
Endeavour Mining PLC	26,411	634,277
Fortescue Metals Group, Ltd.	240,921	3,574,958

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Freeport-McMoRan, Inc.	151,127	\$ 6,045,080
Glencore PLC	1,518,511	8,609,772
Haynes International, Inc.	2,116	107,535
Hecla Mining Company	96,450	496,718
i-80 Gold Corp. (A)	32,952	74,142
IGO, Ltd.	96,961	989,659
Ivanhoe Electric, Inc. (A)	9,178	119,681
JFE Holdings, Inc.	69,933	999,801
Kaiser Aluminum Corp.	2,612	187,124
Materion Corp.	3,309	377,888
Mineral Resources, Ltd.	24,701	1,182,998
MP Materials Corp. (A)	19,786	452,704
Newcrest Mining, Ltd.	127,221	2,269,420
Newmont Corp.	83,795	3,574,695
Nippon Steel Corp.	114,900	2,404,774
Norsk Hydro ASA	191,331	1,140,574
Northern Star Resources, Ltd.	163,601	1,332,836
Novagold Resources, Inc. (A)	38,572	153,902
Nucor Corp.	26,489	4,343,666
Olympic Steel, Inc.	1,663	81,487
Pan American Silver Corp., CVR (A)	54,671	27,888
Piedmont Lithium, Inc. (A)	2,906	167,705
Pilbara Minerals, Ltd.	383,870	1,261,652
Ramaco Resources, Inc. (A)	4,178	35,262
Ramaco Resources, Inc., Class B (A)	742	7,873
Reliance Steel & Aluminum Company	12,595	3,420,676
Rio Tinto PLC	160,159	10,178,047
Rio Tinto, Ltd.	52,812	4,044,327
Royal Gold, Inc.	14,070	1,614,955
Ryerson Holding Corp.	3,614	156,775
Schnitzer Steel Industries, Inc., Class A	4,276	128,237
South32, Ltd.	648,937	1,633,761
Steel Dynamics, Inc.	16,932	1,844,403
Sumitomo Metal Mining Company, Ltd.	35,207	1,136,558
SunCoke Energy, Inc.	13,546	106,607
TimkenSteel Corp. (A)	7,134	153,880
U.S. Steel Corp.	48,512	1,213,285
voestalpine AG	16,511	593,344
Warrior Met Coal, Inc.	8,092	315,183
Worthington Industries, Inc.	11,440	794,737
		108,275,026
Paper and forest products – 0.1%		
Clearwater Paper Corp. (A)	2,830	88,636
Holmen AB, B Shares	13,347	479,701
Louisiana-Pacific Corp.	15,433	1,157,166
Mondi PLC	69,080	1,053,912
Oji Holdings Corp.	122,638	458,551
Resolute Forest Products, Inc. (A)(D)	7,217	10,248
Stora Enso OYJ, R Shares	82,767	960,259
Svenska Cellulosa AB SCA, B Shares	86,197	1,100,304
Sylvamo Corp.	5,765	233,194
UPM-Kymmene OYJ	75,934	2,262,592
		7,804,563
		316,896,374
Real estate – 2.8%		
Diversified REITs – 0.1%		
Alexander & Baldwin, Inc.	11,689	217,182
Alpine Income Property Trust, Inc.	2,644	42,965
American Assets Trust, Inc.	7,919	152,045
Armada Hoffler Properties, Inc.	11,275	131,692
Broadstone Net Lease, Inc.	30,096	464,682
CTO Realty Growth, Inc.	3,888	66,640
Daiwa House REIT Investment Corp.	314	602,047
Empire State Realty Trust, Inc., Class A	21,691	162,466

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified REITs (continued)		
Essential Properties Realty Trust, Inc.	23,770	\$ 559,546
Gladstone Commercial Corp.	7,181	88,829
Global Net Lease, Inc.	16,733	172,015
Land Securities Group PLC	100,224	732,824
Mirvac Group	561,375	847,732
NexPoint Diversified Real Estate Trust (C)	5,501	68,873
Nomura Real Estate Master Fund, Inc.	604	696,643
One Liberty Properties, Inc.	3,094	62,870
Star Holdings (A)	2,608	38,259
Stockland	339,627	913,014
The British Land Company PLC	125,300	483,202
The GPT Group	272,530	754,114
		7,257,640
Health care REITs – 0.2%		
CareTrust REIT, Inc.	16,080	319,349
Community Healthcare Trust, Inc.	4,169	137,660
Diversified Healthcare Trust	40,106	90,239
Global Medical REIT, Inc.	10,390	94,861
Healthcare Realty Trust, Inc.	81,580	1,538,599
Healthpeak Properties, Inc.	57,676	1,159,288
LTC Properties, Inc.	6,413	211,757
Medical Properties Trust, Inc.	128,169	1,186,845
National Health Investors, Inc.	6,626	347,335
Omega Healthcare Investors, Inc.	50,204	1,540,761
Physicians Realty Trust	89,050	1,245,810
Sabra Health Care REIT, Inc.	86,460	1,017,634
Universal Health Realty Income Trust	2,174	103,439
Ventas, Inc.	42,182	1,993,943
Welltower, Inc.	52,407	4,239,202
		15,226,722
Hotel and resort REITs – 0.1%		
Apple Hospitality REIT, Inc.	34,182	516,490
Braemar Hotels & Resorts, Inc.	12,248	49,237
Chatham Lodging Trust	8,519	79,738
DiamondRock Hospitality Company	34,192	273,878
Host Hotels & Resorts, Inc.	74,993	1,262,132
Park Hotels & Resorts, Inc.	46,193	592,194
Pebblebrook Hotel Trust	19,604	273,280
RLJ Lodging Trust	25,483	261,710
Ryman Hospitality Properties, Inc.	9,258	860,253
Service Properties Trust	26,659	231,667
Summit Hotel Properties, Inc.	17,814	115,969
Sunstone Hotel Investors, Inc.	33,229	336,277
Xenia Hotels & Resorts, Inc.	18,072	222,466
		5,075,291
Industrial REITs – 0.4%		
CapitalLand Ascendas REIT	478,478	965,747
EastGroup Properties, Inc.	9,514	1,651,630
First Industrial Realty Trust, Inc.	28,329	1,491,239
GLP J-REIT	637	628,302
Goodman Group	240,779	3,236,755
Innovative Industrial Properties, Inc.	4,499	328,472
LXP Industrial Trust	46,288	451,308
Mapletree Logistics Trust	491,700	591,391
Nippon Prologis REIT, Inc.	313	629,068
Plymouth Industrial REIT, Inc.	7,109	163,649
Prologis, Inc.	97,371	11,940,606
Rexford Industrial Realty, Inc.	43,048	2,247,967
Segro PLC	172,054	1,569,100
STAG Industrial, Inc.	38,426	1,378,725
Terreno Realty Corp.	13,005	781,601

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrial REITs (continued)		
Warehouses De Pauw CVA	23,216	\$ 637,573
		28,693,133
Office REITs – 0.2%		
Alexandria Real Estate Equities, Inc.	16,600	1,883,934
Boston Properties, Inc.	15,049	866,672
Brandywine Realty Trust	28,544	132,730
City Office REIT, Inc.	7,313	40,733
Corporate Office Properties Trust	42,044	998,545
Cousins Properties, Inc.	32,496	740,909
Covivio SA	6,743	318,539
Dexus	153,021	796,906
Douglas Emmett, Inc.	27,465	345,235
Easterly Government Properties, Inc.	14,393	208,699
Equity Commonwealth	16,403	332,325
Gecina SA	6,541	697,784
Highwoods Properties, Inc.	22,592	540,175
Hudson Pacific Properties, Inc.	22,742	95,971
Japan Real Estate Investment Corp.	182	692,615
JBG SMITH Properties	17,975	270,344
Kilroy Realty Corp.	22,581	679,462
Nippon Building Fund, Inc.	218	857,215
Office Properties Income Trust	8,257	63,579
Orion Office REIT, Inc.	10,582	69,947
Paramount Group, Inc.	30,071	133,215
Peakstone Realty Trust	4,626	129,158
Piedmont Office Realty Trust, Inc., Class A	20,043	145,713
Postal Realty Trust, Inc., Class A	3,822	56,222
SL Green Realty Corp.	10,640	319,732
Vornado Realty Trust	34,528	626,338
		12,042,697
Real estate management and development – 0.5%		
Anywhere Real Estate, Inc. (A)	17,708	118,289
Azrieli Group, Ltd.	6,038	341,121
CapitaLand Investment, Ltd.	370,084	909,275
CBRE Group, Inc., Class A (A)	32,774	2,645,190
City Developments, Ltd.	71,113	354,710
CK Asset Holdings, Ltd.	281,062	1,561,793
Compass, Inc., Class A (A)	48,941	171,294
Cushman & Wakefield PLC (A)	26,945	220,410
Daito Trust Construction Company, Ltd.	8,811	892,604
Daiwa House Industry Company, Ltd.	85,266	2,252,895
DigitalBridge Group, Inc.	26,499	389,800
Douglas Elliman, Inc.	16,391	36,389
ESR Group, Ltd. (B)	281,800	485,330
eXp World Holdings, Inc. (C)	11,256	228,272
Fastighets AB Balder, B Shares (A)	92,755	339,630
Forestar Group, Inc. (A)	3,019	68,078
FRP Holdings, Inc. (A)	1,219	70,178
Hang Lung Properties, Ltd.	256,313	396,636
Henderson Land Development Company, Ltd.	206,709	615,582
Hongkong Land Holdings, Ltd.	157,734	616,779
Hulic Company, Ltd.	54,669	468,427
Jones Lang LaSalle, Inc. (A)	10,232	1,594,146
Kennedy-Wilson Holdings, Inc.	19,091	311,756
LEG Immobilien SE (A)	10,543	608,318
Lendlease Corp., Ltd.	98,070	508,830
Marcus & Millichap, Inc.	3,920	123,519
Mitsubishi Estate Company, Ltd.	160,124	1,902,323
Mitsui Fudosan Company, Ltd.	128,226	2,555,723
New World Development Company, Ltd.	214,392	529,880
Newmark Group, Inc., Class A	22,048	137,139
Nomura Real Estate Holdings, Inc.	15,663	372,382
Opendoor Technologies, Inc. (A)	88,356	355,191

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
RE/MAX Holdings, Inc., Class A	2,918	\$ 56,201
Redfin Corp. (A)(C)	17,338	215,338
Sagax AB, Class B	27,137	536,641
Sino Land Company, Ltd.	523,722	644,758
Sumitomo Realty & Development Company, Ltd.	40,683	1,008,164
Sun Hung Kai Properties, Ltd.	206,314	2,606,696
Swire Pacific, Ltd., Class A	61,518	472,623
Swire Properties, Ltd.	166,487	410,201
Swiss Prime Site AG	10,915	948,144
Tejon Ranch Company (A)	3,611	62,145
The RMR Group, Inc., Class A	2,727	63,185
The St. Joe Company	5,547	268,142
UOL Group, Ltd.	66,070	314,909
Vonovia SE	101,902	1,990,110
Wharf Real Estate Investment Company, Ltd.	237,346	1,190,849
		32,969,995
Residential REITs – 0.2%		
Apartment Income REIT Corp. Apartment Investment and Management Company, Class A	31,962	1,153,509
AvalonBay Communities, Inc.	23,964	204,173
BRT Apartments Corp.	14,972	2,833,750
Camden Property Trust	2,376	47,045
Centerspace	11,257	1,225,550
Elme Communities	2,462	151,068
Equity Residential	14,293	234,977
Essex Property Trust, Inc.	35,956	2,372,017
Independence Realty Trust, Inc.	6,767	1,585,508
Invitation Homes, Inc.	84,152	1,533,249
Mid-America Apartment Communities, Inc.	61,294	2,108,514
NexPoint Residential Trust, Inc.	12,301	1,868,030
UDR, Inc.	3,765	171,232
UMH Properties, Inc.	32,626	1,401,613
Veris Residential, Inc. (A)	9,138	146,025
	12,793	205,328
		17,241,588
Retail REITs – 0.4%		
Acadia Realty Trust	15,091	217,159
Agree Realty Corp.	19,965	1,305,511
Alexander's, Inc.	347	63,799
Brixmor Property Group, Inc.	64,384	1,416,448
CapitaLand Integrated Commercial Trust	756,730	1,072,390
CBL & Associates Properties, Inc.	4,509	99,378
Federal Realty Investment Trust	7,736	748,613
Getty Realty Corp.	7,021	237,450
InvenTrust Properties Corp.	10,939	253,128
Japan Metropolitan Fund Investment Corp.	994	665,069
Kimco Realty Corp.	65,361	1,288,919
Kite Realty Group Trust	81,863	1,828,819
Klepierre SA	30,609	760,455
Link REIT	359,806	2,003,084
Mapletree Pan Asia Commercial Trust	335,400	403,494
Necessity Retail REIT, Inc.	22,248	150,396
NETSTREIT Corp.	9,760	174,411
NNN REIT, Inc.	39,007	1,669,110
Phillips Edison & Company, Inc.	18,916	644,657
Realty Income Corp.	70,984	4,244,133
Regency Centers Corp.	16,224	1,002,156
Retail Opportunity Investments Corp.	20,068	271,119
RPT Realty	14,304	149,477
Saul Centers, Inc.	2,050	75,502
Scentre Group	738,434	1,305,930
Simon Property Group, Inc.	34,478	3,981,519
SITE Centers Corp.	30,636	405,008

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Retail REITs (continued)		
Spirit Realty Capital, Inc.	30,269	\$ 1,191,993
Tanger Factory Outlet Centers, Inc.	16,425	362,500
The Macerich Company	35,052	395,036
Unibail-Rodamco-Westfield (A)	16,780	885,050
Urban Edge Properties	18,528	285,887
Urstadt Biddle Properties, Inc., Class A	4,804	102,133
Vicinity, Ltd.	550,501	677,952
Whitestone REIT	8,673	84,128
		<u>30,421,813</u>
Specialized REITs – 0.7%		
American Tower Corp.	49,140	9,530,212
Crown Castle, Inc.	45,727	5,210,134
CubeSmart	48,131	2,149,530
Digital Realty Trust, Inc.	30,720	3,498,086
EPR Properties	16,126	754,697
Equinix, Inc.	9,861	7,730,432
Extra Space Storage, Inc.	14,240	2,119,624
Farmland Partners, Inc.	8,475	103,480
Four Corners Property Trust, Inc.	13,702	348,031
Gladstone Land Corp.	5,949	96,790
Iron Mountain, Inc.	30,751	1,747,272
Lamar Advertising Company, Class A	18,742	1,860,144
Life Storage, Inc.	18,228	2,423,595
National Storage Affiliates Trust	17,592	612,729
Outfront Media, Inc.	23,737	373,146
PotlatchDeltic Corp.	29,788	1,574,296
Public Storage	16,684	4,869,726
Rayonier, Inc.	31,752	997,013
Safehold, Inc.	4,930	116,989
SBA Communications Corp.	11,424	2,647,626
Uniti Group, Inc.	39,304	181,584
VICI Properties, Inc.	105,887	3,328,028
Weyerhaeuser Company	77,213	2,587,408
		<u>54,860,572</u>
		<u>203,789,451</u>
Utilities – 2.8%		
Electric utilities – 1.6%		
Acciona SA	3,512	596,303
ALLETE, Inc.	21,447	1,243,283
Alliant Energy Corp.	26,506	1,391,035
American Electric Power Company, Inc.	54,280	4,570,376
BKW AG	3,005	531,284
Chubu Electric Power Company, Inc.	91,629	1,117,827
CK Infrastructure Holdings, Ltd.	89,843	476,535
CLP Holdings, Ltd.	233,834	1,821,238
Constellation Energy Corp.	34,206	3,131,559
Duke Energy Corp.	81,258	7,292,093
Edison International	40,382	2,804,530
EDP - Energias de Portugal SA	416,680	2,036,592
Elia Group SA/NV	4,184	531,594
Endesa SA (C)	45,188	970,983
Enel SpA	1,157,117	7,801,773
Entergy Corp.	22,295	2,170,864
Evergy, Inc.	24,217	1,414,757
Eversource Energy	36,782	2,608,579
Exelon Corp.	104,868	4,272,322
FirstEnergy Corp.	57,381	2,230,973
Fortum OYJ	63,827	854,164
Genie Energy, Ltd., B Shares	3,616	51,130
Hawaiian Electric Industries, Inc.	23,473	849,723
Iberdrola SA (C)	828,191	10,815,184
IDACORP, Inc.	10,841	1,112,287
Mercury NZ, Ltd.	98,649	394,293
MGE Energy, Inc.	5,932	469,281

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
NextEra Energy, Inc.	213,351	\$ 15,830,644
NRG Energy, Inc.	24,276	907,680
OGE Energy Corp.	42,906	1,540,754
Origin Energy, Ltd.	245,094	1,377,564
Orsted A/S (B)	26,913	2,551,414
Otter Tail Corp.	6,612	522,084
PG&E Corp. (A)	170,453	2,945,428
Pinnacle West Capital Corp.	11,942	972,795
PNM Resources, Inc.	31,906	1,438,961
Portland General Electric Company	36,052	1,688,315
Power Assets Holdings, Ltd.	197,236	1,035,386
PPL Corp.	77,716	2,056,365
Redeia Corp. SA (C)	57,733	970,897
SSE PLC	155,118	3,637,530
Terna - Rete Elettrica Nazionale	200,170	1,707,282
The Kansai Electric Power Company, Inc.	100,124	1,256,197
The Southern Company	114,973	8,076,853
Tokyo Electric Power Company Holdings, Inc. (A)	217,228	796,753
Verbund AG	9,688	777,226
Xcel Energy, Inc.	58,030	3,607,725
		<u>117,258,415</u>
Gas utilities – 0.3%		
APA Group	167,860	1,086,047
Atmos Energy Corp.	15,235	1,772,440
Brookfield Infrastructure Corp., Class A	15,838	721,896
Chesapeake Utilities Corp.	2,760	328,440
Enagas SA (C)	35,409	695,915
Hong Kong & China Gas Company, Ltd.	1,593,022	1,379,541
National Fuel Gas Company	19,666	1,010,046
Naturgy Energy Group SA	17,933	534,591
New Jersey Resources Corp.	36,274	1,712,133
Northwest Natural Holding Company	5,798	249,604
ONE Gas, Inc.	20,618	1,583,669
Osaka Gas Company, Ltd.	53,375	818,121
RGC Resources, Inc.	1,793	35,914
Snam SpA	286,886	1,499,366
Southwest Gas Holdings, Inc.	23,861	1,518,753
Spire, Inc.	19,327	1,226,105
Tokyo Gas Company, Ltd.	55,696	1,215,154
UGI Corp.	44,843	1,209,416
		<u>18,597,151</u>
Independent power and renewable electricity producers – 0.1%		
Altus Power, Inc. (A)	11,108	59,983
Corp ACCIONA Energias Renovables SA	9,368	313,407
EDP Renovaveis SA	36,457	728,538
Meridian Energy, Ltd.	183,757	632,782
Montauk Renewables, Inc. (A)	11,610	86,378
Ormat Technologies, Inc.	19,765	1,590,292
RWE AG	89,951	3,919,731
Sunnova Energy International, Inc. (A)(C)	16,333	299,057
The AES Corp.	70,577	1,463,061
		<u>9,093,229</u>
Multi-utilities – 0.7%		
Ameren Corp.	27,690	2,261,442
Avista Corp.	11,994	471,004
Black Hills Corp.	24,827	1,496,075
CenterPoint Energy, Inc.	66,537	1,939,554
Centrica PLC	808,954	1,275,511
CMS Energy Corp.	30,753	1,806,739
Consolidated Edison, Inc.	36,539	3,303,126
Dominion Energy, Inc.	88,143	4,564,926
DTE Energy Company	21,732	2,390,955

John Hancock Variable Insurance Trust

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Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multi-utilities (continued)		
E.ON SE	319,410	\$ 4,080,273
Engie SA	259,848	4,327,229
National Grid PLC	523,175	6,936,442
NiSource, Inc.	43,555	1,191,229
NorthWestern Corp.	22,318	1,266,770
Public Service Enterprise Group, Inc.	52,611	3,293,975
Sempra Energy	33,177	4,830,239
Unitil Corp.	2,601	131,897
Veolia Environnement SA	96,578	3,057,220
WEC Energy Group, Inc.	33,260	2,934,862
		51,559,468
Water utilities – 0.1%		
American States Water Company	5,902	513,474
American Water Works Company, Inc.	20,524	2,929,801
Artesian Resources Corp., Class A	1,552	73,285
Cadiz, Inc. (A)	7,937	32,224
California Water Service Group	8,980	463,637
Consolidated Water Company, Ltd.	2,977	72,133
Essential Utilities, Inc.	51,538	2,056,882
Global Water Resources, Inc.	3,039	38,535
Middlesex Water Company	2,829	228,187
Pure Cycle Corp. (A)	4,085	44,935
Severn Trent PLC	35,789	1,166,730
SJW Group	4,935	345,993
The York Water Company	2,618	108,045
United Utilities Group PLC	97,011	1,186,200
		9,260,061
		205,768,324
TOTAL COMMON STOCKS (Cost \$3,743,645,453)		\$ 7,000,899,154
PREFERRED SECURITIES – 0.1%		
Consumer discretionary – 0.1%		
Automobiles – 0.1%		
Bayerische Motoren Werke AG	8,451	963,033
Dr. Ing. h.c. F. Porsche AG (B)	16,201	2,012,629
Porsche Automobil Holding SE	21,785	1,312,970
Volkswagen AG	29,337	3,945,024
		8,233,656
Consumer staples – 0.0%		
Household products – 0.0%		
Henkel AG & Company KGaA	24,080	1,925,829
Health care – 0.0%		
Life sciences tools and services – 0.0%		
Sartorius AG	3,729	1,291,945
TOTAL PREFERRED SECURITIES (Cost \$10,546,940)		\$ 11,451,430

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
MSCI EAFE Index Futures	975	Long	Sep 2023	\$104,183,145	\$105,080,625	\$897,480
Russell 2000 E-Mini Index Futures	184	Long	Sep 2023	17,485,221	17,514,040	28,819
S&P 500 E-Mini Index Futures	705	Long	Sep 2023	157,045,128	158,210,813	1,165,685
S&P Mid 400 E-Mini Index Futures	92	Long	Sep 2023	23,761,142	24,325,720	564,578
						\$2,656,562

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
WARRANTS – 0.0%		
Chord Energy Corp. (Expiration Date: 9-1-24; Strike Price: \$116.37) (A)	917	\$ 21,366
Chord Energy Corp. (Expiration Date: 9-1-25; Strike Price: \$133.70) (A)	458	7,255
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (A)	200,486	276,633
Nabors Industries, Ltd. (Expiration Date: 6-11-26; Strike Price: \$166.67) (A)	480	5,520
Triumph Group, Inc. (Expiration Date: 12-5-27; Strike Price: \$12.35) (A)	3,165	254
TOTAL WARRANTS (Cost \$15,655)		\$ 311,028
SHORT-TERM INVESTMENTS – 4.3%		
Short-term funds – 4.3%		
John Hancock Collateral Trust, 5.1773% (E)(F)	30,948,076	309,319,830
TOTAL SHORT-TERM INVESTMENTS (Cost \$309,353,287)		\$ 309,319,830
Total Investments (Strategic Equity Allocation Trust) (Cost \$4,063,561,335) – 100.1%		
		\$ 7,321,981,442
Other assets and liabilities, net – (0.1%)		
		(3,739,341)
TOTAL NET ASSETS – 100.0%		\$ 7,318,242,101

Currency Abbreviations

CHF Swiss Franc

Security Abbreviations and Legend

ADR	American Depositary Receipt
CVR	Contingent Value Right
(A)	Non-income producing security.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(C)	All or a portion of this security is on loan as of 6-30-23.
(D)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(E)	The rate shown is the annualized seven-day yield as of 6-30-23.
(F)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$48,191,721.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.1%		
Communication services – 7.8%		
Diversified telecommunication services – 0.6%		
Anterix, Inc. (A)	210	\$ 6,655
AST SpaceMobile, Inc. (A)(B)	945	4,442
AT&T, Inc.	115,151	1,836,658
ATN International, Inc.	291	10,651
Bandwidth, Inc., Class A (A)	431	5,896
Cogent Communications Holdings, Inc. Consolidated Communications Holdings, Inc. (A)	797	53,630
EchoStar Corp., Class A (A)	1,652	6,327
Frontier Communications Parent, Inc. (A)	675	11,705
GCI Liberty, Inc. (A)(C)	3,784	70,534
Globalstar, Inc. (A)	2,206	0
IDT Corp., Class B (A)	30,257	32,678
Iridium Communications, Inc.	461	11,917
Liberty Latin America, Ltd., Class C (A)	2,109	131,011
Lumen Technologies, Inc.	366	3,155
Ooma, Inc. (A)	17,158	38,777
Radius Global Infrastructure, Inc., Class A (A)	477	7,141
Verizon Communications, Inc.	606	9,029
	67,710	2,518,135
		4,758,341
Entertainment – 1.3%		
Activision Blizzard, Inc. (A)	12,633	1,064,962
AMC Entertainment Holdings, Inc., Class A (A)(B)	8,680	38,192
Cinemark Holdings, Inc. (A)	2,030	33,495
CuriosityStream, Inc. (A)	831	775
Electronic Arts, Inc.	4,418	573,015
Endeavor Group Holdings, Inc., Class A (A)	4,725	113,022
Kartoon Studios, Inc. (A)	345	659
Liberty Media Corp.-Liberty Braves, Class A (A)	829	33,923
Liberty Media Corp.-Liberty Formula One, Series A (A)	225	15,215
Liberty Media Corp.-Liberty Formula One, Series C (A)	3,224	242,703
Lions Gate Entertainment Corp., Class B (A)	4,105	34,277
Live Nation Entertainment, Inc. (A)	3,753	341,936
LiveOne, Inc. (A)	148	260
Madison Square Garden Entertainment Corp. (A)	478	16,070
Madison Square Garden Sports Corp.	298	56,039
Netflix, Inc. (A)	7,189	3,166,683
Playtika Holding Corp. (A)	5,937	68,869
Reservoir Media, Inc. (A)	795	4,786
ROBLOX Corp., Class A (A)	8,964	361,249
Roku, Inc. (A)	2,009	128,496
Sciplay Corp., Class A (A)	438	8,620
Skillz, Inc. (A)	342	3,108
Sphere Entertainment Company (A)	478	13,092
Take-Two Interactive Software, Inc. (A)	2,731	401,894
The Marcus Corp.	486	7,207
The Walt Disney Company (A)	29,558	2,638,938
Vivid Seats, Inc., Class A (A)	1,470	11,642
Warner Brothers Discovery, Inc. (A)	39,487	495,167
Warner Music Group Corp., Class A	2,260	58,963
World Wrestling Entertainment, Inc., Class A	715	77,556
		10,010,813
Interactive media and services – 4.6%		
Alphabet, Inc., Class A (A)	96,206	11,515,820

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services (continued)		
Alphabet, Inc., Class C (A)	96,370	\$ 11,657,879
Angi, Inc. (A)	1,822	6,013
Bumble, Inc., Class A (A)	2,062	34,600
BuzzFeed, Inc. (A)	1,643	830
CarGurus, Inc. (A)	1,735	39,263
Cars.com, Inc. (A)	1,154	22,872
DHI Group, Inc. (A)	372	1,425
Eventbrite, Inc., Class A (A)	1,461	13,953
EverQuote, Inc., Class A (A)	481	3,127
FaZe Holdings, Inc. (A)	1,062	524
FuboTV, Inc. (A)	2,869	5,968
IAC, Inc. (A)	1,394	87,543
Match Group, Inc. (A)	4,568	191,171
MediaAlpha, Inc., Class A (A)	781	8,052
Meta Platforms, Inc., Class A (A)	36,011	10,334,437
Nextdoor Holdings, Inc. (A)	3,090	10,073
Outbrain, Inc. (A)	626	3,080
Pinterest, Inc., Class A (A)	9,566	261,534
QuinStreet, Inc. (A)	983	8,680
Rumble, Inc. (A)	1,042	9,295
Shutterstock, Inc.	615	29,932
Snap, Inc., Class A (A)	21,793	258,029
System1, Inc. (A)	1,379	6,206
Taboola.com Ltd. (A)	2,178	6,774
The Arena Group Holdings, Inc. (A)	200	916
TripAdvisor, Inc. (A)	2,094	34,530
TrueCar, Inc. (A)	1,900	4,294
Vimeo, Inc. (A)	2,863	11,796
Yelp, Inc. (A)	1,157	42,126
Ziff Davis, Inc. (A)	750	52,545
ZipRecruiter, Inc., Class A (A)	1,452	25,788
ZoomInfo Technologies, Inc. (A)	6,609	167,803
		34,856,878
Media – 0.9%		
AdTheorent Holding Company, Inc. (A)	842	1,179
Advantage Solutions, Inc. (A)	4,745	11,103
Altice USA, Inc., Class A (A)	4,140	12,503
AMC Networks, Inc., Class A (A)	302	3,609
Boston Omaha Corp., Class A (A)	528	9,937
Cable One, Inc.	97	63,737
Cardlytics, Inc. (A)	559	3,533
Charter Communications, Inc., Class A (A)	2,467	906,302
Clear Channel Outdoor Holdings, Inc. (A)	8,831	12,098
Comcast Corp., Class A	67,844	2,818,918
comScore, Inc. (A)	1,108	897
DISH Network Corp., Class A (A)	4,903	32,311
Emerald Holding, Inc. (A)	1,284	5,264
Entراصion Communications Corp., Class A	1,260	5,531
Fox Corp., Class A	4,783	162,622
Fox Corp., Class B	3,863	123,191
Gannett Company, Inc. (A)	2,798	6,296
Gray Television, Inc.	1,517	11,954
iHeartMedia, Inc., Class A (A)	2,155	7,844
Innovid Corp. (A)	1,897	2,068
John Wiley & Sons, Inc., Class A	781	26,577
Liberty Broadband Corp., Series C (A)	2,048	164,065
Liberty Media Corp.-Liberty SiriusXM, Series A (A)	2,669	87,570
Liberty Media Corp.-Liberty SiriusXM, Series C (A)	2,528	82,741
Magnite, Inc. (A)	2,159	29,470
News Corp., Class A	8,727	170,177
News Corp., Class B	337	6,646
Nexstar Media Group, Inc.	595	99,097

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
Omnicom Group, Inc.	3,243	\$ 308,571
Paramount Global, Class B	9,956	158,400
PubMatic, Inc., Class A (A)	758	13,856
Quotient Technology, Inc. (A)	1,764	6,774
Saga Communications, Inc., Class A	175	3,738
Scholastic Corp.	561	21,817
Sinclair, Inc.	834	11,526
Sirius XM Holdings, Inc. (B)	62,728	284,158
Stagwell, Inc. (A)	1,894	13,656
TechTarget, Inc. (A)	503	15,658
TEGNA, Inc.	3,693	59,974
The EW Scripps Company, Class A (A)	1,348	12,334
The Interpublic Group of Companies, Inc.	6,249	241,086
The New York Times Company, Class A	2,669	105,105
The Trade Desk, Inc., Class A (A)	7,259	560,540
Tremor International, Ltd. (A)	81	291
Urban One, Inc. (A)	346	2,076
Urban One, Inc. (A)	45	270
WideOpenWest, Inc. (A)	1,455	12,280
		6,699,350
Wireless telecommunication services – 0.4%		
FingerMotion, Inc. (A)	424	1,268
Gogo, Inc. (A)	2,008	34,156
KORE Group Holdings, Inc. (A)	967	1,180
Shenandoah Telecommunications Company	901	17,506
Spok Holdings, Inc.	444	5,901
Telephone & Data Systems, Inc.	1,870	15,390
T-Mobile US, Inc. (A)	19,759	2,744,525
United States Cellular Corp. (A)	961	16,942
		2,836,868
		59,162,250
Consumer discretionary – 11.0%		
Automobile components – 0.1%		
Adient PLC (A)	1,550	59,396
American Axle & Manufacturing Holdings, Inc. (A)	1,974	16,325
Autoliv, Inc.	1,369	116,420
BorgWarner, Inc.	3,802	185,956
Cooper-Standard Holdings, Inc. (A)	174	2,481
Dana, Inc.	2,445	41,565
Dorman Products, Inc. (A)	498	39,257
Fox Factory Holding Corp. (A)	717	77,802
Gentex Corp.	3,681	107,706
Gentherm, Inc. (A)	576	32,550
Holley, Inc. (A)	1,608	6,577
LCI Industries	430	54,335
Lear Corp.	957	137,377
Luminar Technologies, Inc. (A)(B)	4,169	28,683
Modine Manufacturing Company (A)	919	30,345
Motorcar Parts of America, Inc. (A)	447	3,460
Patrick Industries, Inc.	414	33,120
QuantumScape Corp. (A)(B)	5,966	47,668
Solid Power, Inc. (A)	2,413	6,129
Standard Motor Products, Inc.	404	15,158
Stoneridge, Inc. (A)	529	9,972
Superior Industries International, Inc. (A)	282	1,015
The Goodyear Tire & Rubber Company (A)	4,720	64,570
Visteon Corp. (A)	475	68,215
XPEL, Inc. (A)	221	18,613
		1,204,695
Automobiles – 2.1%		
Canoo, Inc. (A)	5,484	2,629
Fisker, Inc. (A)(B)	2,697	15,211

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobiles (continued)		
Ford Motor Company	63,256	\$ 957,063
General Motors Company	22,370	862,587
Harley-Davidson, Inc.	2,375	83,624
Lordstown Motors Corp., Class A (A)	216	460
Lucid Group, Inc. (A)(B)	29,138	200,761
Rivian Automotive, Inc., Class A (A)(B)	14,933	248,784
Tesla, Inc. (A)	51,032	13,358,647
Thor Industries, Inc.	904	93,564
Winnebago Industries, Inc.	534	35,612
Workhorse Group, Inc. (A)(B)	3,220	2,807
		15,861,749
Broadline retail – 3.0%		
Istdibs.com, Inc. (A)	442	1,653
Amazon.com, Inc. (A)	164,691	21,469,119
Big Lots, Inc.	557	4,918
CarParts.com, Inc. (A)	778	3,307
ContextLogic, Inc., Class A (A)	373	2,454
Coupage, Inc. (A)	25,933	451,234
Dillard's, Inc., Class A	217	70,803
eBay, Inc.	8,618	385,138
Etsy, Inc. (A)	2,055	173,874
Groupon, Inc. (A)	572	3,381
Kohl's Corp.	1,853	42,712
Macy's, Inc.	4,338	69,625
Nordstrom, Inc.	2,651	54,266
Ollie's Bargain Outlet Holdings, Inc. (A)	1,038	60,131
Qurate Retail, Inc., Series A (A)	5,287	5,233
		22,797,848
Distributors – 0.1%		
Genuine Parts Company	2,254	381,444
LKQ Corp.	4,301	250,619
Pool Corp.	640	239,770
Weyco Group, Inc.	249	6,646
		878,479
Diversified consumer services – 0.1%		
2U, Inc. (A)	1,345	5,420
ADT, Inc.	13,826	83,371
Adtalem Global Education, Inc. (A)	775	26,614
American Public Education, Inc. (A)	372	1,763
Bright Horizons Family Solutions, Inc. (A)	971	89,769
Carriage Services, Inc.	281	9,124
Chegg, Inc. (A)	2,095	18,604
Coursera, Inc. (A)	2,210	28,774
Duolingo, Inc. (A)	513	73,328
European Wax Center, Inc., Class A (A)	852	15,873
frontdoor, Inc. (A)	1,431	45,649
Graham Holdings Company, Class B	37	21,145
Grand Canyon Education, Inc. (A)	512	52,844
H&R Block, Inc.	2,472	78,783
ITT Educational Services, Inc. (A)(C)	608	0
Laureate Education, Inc.	2,848	34,432
Lincoln Educational Services Corp. (A)	91	613
Mister Car Wash, Inc. (A)	4,692	45,278
Nerdy, Inc. (A)	1,961	8,177
Perdoceo Education Corp. (A)	1,215	14,908
Regis Corp. (A)	223	248
Rover Group, Inc. (A)	2,832	13,905
Service Corp. International	2,466	159,279
Strategic Education, Inc.	434	29,443
Stride, Inc. (A)	726	27,029
Udemy, Inc. (A)	2,213	23,745
Universal Technical Institute, Inc. (A)	177	1,223
Wag! Group Company (A)	510	1,071

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified consumer services (continued)		
WW International, Inc. (A)	1,278	\$ 8,588
		919,000
Hotels, restaurants and leisure – 2.3%		
Accel Entertainment, Inc. (A)	1,215	12,830
Airbnb, Inc., Class A (A)	6,559	840,601
Ambassadors Group, Inc. (A)(C)	714	29
Aramark	4,256	183,221
Bally's Corp. (A)	742	11,546
Biglari Holdings, Inc., Class B (A)	52	10,251
BJ's Restaurants, Inc. (A)	418	13,292
Bloomin' Brands, Inc.	1,512	40,658
Bluegreen Vacations Holding Corp.	136	4,848
Booking Holdings, Inc. (A)	608	1,641,801
Bowlero Corp. (A)	1,682	19,578
Boyd Gaming Corp.	1,654	114,738
Brinker International, Inc. (A)	737	26,974
Caesars Entertainment, Inc. (A)	3,551	180,994
Carnival Corp. (A)(B)	17,793	335,042
Carrolls Restaurant Group, Inc. (A)	1,021	5,146
Century Casinos, Inc. (A)	342	2,428
Chipotle Mexican Grill, Inc. (A)	448	958,272
Choice Hotels International, Inc.	840	98,717
Churchill Downs, Inc.	1,214	168,952
Chuy's Holdings, Inc. (A)	382	15,593
Cracker Barrel Old Country Store, Inc.	380	35,408
Darden Restaurants, Inc.	1,972	329,482
Dave & Buster's Entertainment, Inc. (A)	706	31,459
Denny's Corp. (A)	1,094	13,478
Dine Brands Global, Inc.	262	15,204
Domino's Pizza, Inc.	573	193,095
DoorDash, Inc., Class A (A)	5,866	448,280
DraftKings, Inc., Class A (A)	7,440	197,681
Dutch Bros, Inc., Class A (A)(B)	796	22,646
El Pollo Loco Holdings, Inc.	773	6,779
Everi Holdings, Inc. (A)	1,572	22,731
Expedia Group, Inc. (A)	2,412	263,849
F45 Training Holdings, Inc. (A)	1,399	700
FAT Brands, Inc., Class A	116	798
Fiesta Restaurant Group, Inc. (A)	667	5,296
First Watch Restaurant Group, Inc. (A)	609	10,292
Full House Resorts, Inc. (A)	336	2,251
GAN, Ltd. (A)	553	907
Global Business Travel Group I (A)	853	6,167
Golden Entertainment, Inc. (A)	521	21,778
Hilton Grand Vacations, Inc. (A)	1,856	84,337
Hilton Worldwide Holdings, Inc.	4,259	619,897
Hyatt Hotels Corp., Class A	816	93,497
Inspired Entertainment, Inc. (A)	269	3,957
Jack in the Box, Inc.	352	34,331
Krispy Kreme, Inc.	2,475	36,457
Kura Sushi USA, Inc., Class A (A)	125	11,619
Las Vegas Sands Corp. (A)	12,307	713,806
Life Time Group Holdings, Inc. (A)	3,017	59,344
Light & Wonder, Inc. (A)	1,534	105,478
Lindblad Expeditions Holdings, Inc. (A)	506	5,505
Marriott International, Inc., Class A	4,944	908,163
Marriott Vacations Worldwide Corp.	622	76,332
McDonald's Corp.	11,773	3,513,181
MGM Resorts International	6,204	272,480
Monarch Casino & Resort, Inc.	351	24,728
Nathan's Famous, Inc.	78	6,126
Noodles & Company (A)	1,045	3,532
Norwegian Cruise Line Holdings, Ltd. (A)	6,764	147,252
Papa John's International, Inc.	597	44,077
Penn Entertainment, Inc. (A)	2,550	61,277

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Planet Fitness, Inc., Class A (A)	1,387	\$ 93,539
PlayAGS, Inc. (A)	767	4,334
Portillo's, Inc., Class A (A)	596	13,428
Potbelly Corp. (A)	141	1,238
RCI Hospitality Holdings, Inc.	169	12,842
Red Robin Gourmet Burgers, Inc. (A)	308	4,260
Red Rock Resorts, Inc., Class A	982	45,938
Restaurant Brands International LP	82	6,451
Royal Caribbean Cruises, Ltd. (A)	4,147	430,210
Rush Street Interactive, Inc. (A)	765	2,387
Sabre Corp. (A)	5,497	17,535
SeaWorld Entertainment, Inc. (A)	1,089	60,995
Shake Shack, Inc., Class A (A)	668	51,917
Six Flags Entertainment Corp. (A)	1,249	32,449
Soho House & Company, Inc. (A)	1,226	6,645
Sonder Holdings, Inc. (A)	3,264	1,732
Starbucks Corp.	18,591	1,841,624
Sweetgreen, Inc., Class A (A)	1,470	18,845
Target Hospitality Corp. (A)	1,561	20,949
Texas Roadhouse, Inc.	1,114	125,080
The Cheesecake Factory, Inc.	892	30,845
The Wendy's Company	3,468	75,429
Travel + Leisure Company	1,360	54,862
Vacasa, Inc., Class A (A)	3,522	2,390
Vail Resorts, Inc.	619	155,839
Wingstop, Inc.	496	99,279
Wyndham Hotels & Resorts, Inc.	1,397	95,792
Wynn Resorts, Ltd.	1,832	193,478
Xponential Fitness, Inc., Class A (A)	491	8,470
Yum China Holdings, Inc. (New York Stock Exchange)	6,774	382,731
Yum! Brands, Inc.	4,510	624,861
		17,655,542
Household durables – 0.5%		
Bassett Furniture Industries, Inc.	199	2,993
Beazer Homes USA, Inc. (A)	198	5,601
Cavco Industries, Inc. (A)	155	45,725
Century Communities, Inc.	552	42,294
Cricut, Inc., Class A (B)	754	9,199
D.R. Horton, Inc.	5,541	674,284
Dream Finders Homes, Inc., Class A (A)	686	16,869
Ethan Allen Interiors, Inc.	426	12,047
Flexsteel Industries, Inc.	139	2,740
GoPro, Inc., Class A (A)	2,431	10,064
Green Brick Partners, Inc. (A)	849	48,223
Hamilton Beach Brands Holding Company, Class A	205	1,980
Hamilton Beach Brands Holding Company, Class B	241	2,328
Helen of Troy, Ltd. (A)	381	41,156
Hooker Furnishings Corp.	257	4,796
Hovnanian Enterprises, Inc., Class A (A)	113	11,211
Installed Building Products, Inc.	498	69,800
iRobot Corp. (A)	455	20,589
KB Home	1,321	68,309
Landsea Homes Corp. (A)	283	2,643
La-Z-Boy, Inc.	740	21,194
Legacy Housing Corp. (A)	491	11,386
Leggett & Platt, Inc.	2,014	59,655
Lennar Corp., A Shares	4,092	512,769
LGI Homes, Inc. (A)	335	45,188
Lifetime Brands, Inc.	75	424
M/I Homes, Inc. (A)	450	39,236
MDC Holdings, Inc.	1,048	49,015
Meritage Homes Corp.	524	74,549

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Mohawk Industries, Inc. (A)	1,003	\$ 103,469
Newell Brands, Inc.	6,705	58,334
NVR, Inc. (A)	52	330,232
PulteGroup, Inc.	3,648	283,377
Purple Innovation, Inc.	1,379	3,834
Skyline Champion Corp. (A)	968	63,356
Snap One Holdings Corp. (A)	1,112	12,955
Sonos, Inc. (A)	2,137	34,897
Taylor Morrison Home Corp. (A)	1,786	87,103
Tempur Sealy International, Inc.	2,764	110,753
The Lovesac Company (A)	280	7,546
Toll Brothers, Inc.	1,768	139,796
TopBuild Corp. (A)	532	141,523
Traeger, Inc. (A)	1,820	7,735
Tri Pointe Homes, Inc. (A)	1,388	45,610
Tupperware Brands Corp. (A)	610	488
Universal Electronics, Inc. (A)	236	2,270
Vizio Holding Corp., Class A (A)	2,005	13,534
VOXX International Corp. (A)	506	6,315
Vuzix Corp. (A)	549	2,800
Whirlpool Corp.	854	127,067
		3,489,261
Leisure products – 0.1%		
Acushnet Holdings Corp.	1,122	61,351
American Outdoor Brands, Inc. (A)	307	2,665
AMMO, Inc. (A)	827	1,762
Brunswick Corp.	1,166	101,022
Clarus Corp.	526	4,808
Escalade, Inc.	328	4,379
Funko, Inc., Class A (A)	708	7,661
Hasbro, Inc.	2,239	145,020
JAKKS Pacific, Inc. (A)	88	1,757
Johnson Outdoors, Inc., Class A	178	10,938
Latham Group, Inc. (A)	1,783	6,615
Malibu Boats, Inc., Class A (A)	367	21,528
Marine Products Corp.	742	12,510
MasterCraft Boat Holdings, Inc. (A)	348	10,666
Mattel, Inc. (A)	5,818	113,684
Peloton Interactive, Inc., Class A (A)	5,138	39,511
Polaris, Inc.	936	113,190
Smith & Wesson Brands, Inc.	903	11,775
Solo Brands, Inc., Class A (A)	328	1,856
Sturm Ruger & Company, Inc.	325	17,212
Topgolf Callaway Brands Corp. (A)	3,017	59,887
Vista Outdoor, Inc. (A)	935	25,871
YETI Holdings, Inc. (A)	1,434	55,697
		831,365
Specialty retail – 2.1%		
1-800-Flowers.com, Inc., Class A (A)	562	4,384
Abercrombie & Fitch Company, Class A (A)	826	31,124
Academy Sports & Outdoors, Inc.	1,278	69,076
Advance Auto Parts, Inc.	952	66,926
American Eagle Outfitters, Inc.	3,071	36,238
America's Car-Mart, Inc. (A)	117	11,674
Arhaus, Inc. (A)	962	10,034
Arko Corp.	1,443	11,472
Asbury Automotive Group, Inc. (A)	359	86,311
AutoNation, Inc. (A)	750	123,458
AutoZone, Inc. (A)	306	762,968
BARK, Inc. (A)	2,469	3,284
Barnes & Noble Education, Inc. (A)	1,158	1,459
Bath & Body Works, Inc.	3,695	138,563
Best Buy Company, Inc.	3,549	290,841
Big 5 Sporting Goods Corp.	321	2,940

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Boot Barn Holdings, Inc. (A)	502	\$ 42,514
Brilliant Earth Group, Inc., Class A (A)	312	1,211
Build-A-Bear Workshop, Inc.	196	4,198
Burlington Stores, Inc. (A)	1,056	166,204
Caleres, Inc.	490	11,726
Camping World Holdings, Inc., Class A (B)	715	21,522
CarMax, Inc. (A)	2,560	214,272
Carvana Company (A)(B)	1,910	49,507
Chewy, Inc., Class A (A)	1,840	72,625
Chico's FAS, Inc. (A)	1,633	8,737
Citi Trends, Inc. (A)	79	1,395
Conn's, Inc. (A)	510	1,887
Designer Brands, Inc., Class A (B)	872	8,807
Destination XL Group, Inc. (A)	773	3,788
Dick's Sporting Goods, Inc.	915	120,954
Duluth Holdings, Inc., Class B (A)	700	4,396
Envela Corp. (A)	145	1,067
EVgo, Inc. (A)(B)	1,443	5,772
Express, Inc. (A)	208	123
Five Below, Inc. (A)	909	178,655
Floor & Decor Holdings, Inc., Class A (A)	1,746	181,514
Foot Locker, Inc.	1,502	40,719
Franchise Group, Inc. (B)	619	17,728
GameStop Corp., Class A (A)(B)	5,020	121,735
Genesco, Inc. (A)	197	4,933
Group 1 Automotive, Inc.	231	59,621
GrowGeneration Corp. (A)	1,030	3,502
Guess?, Inc.	938	18,244
Haverty Furniture Companies, Inc.	273	8,250
Hibbett, Inc.	222	8,056
Jjill, Inc. (A)	62	1,329
JOANN, Inc.	421	368
Kirkland's, Inc. (A)	147	410
Lands' End, Inc. (A)	492	3,818
Lazydays Holdings, Inc. (A)	42	486
Leslie's, Inc. (A)	3,057	28,705
Lithia Motors, Inc.	445	135,329
LL Flooring Holdings, Inc. (A)	631	2,417
Lowe's Companies, Inc.	9,754	2,201,478
MarineMax, Inc. (A)	219	7,481
Monro, Inc.	568	23,078
Murphy USA, Inc.	354	110,133
National Vision Holdings, Inc. (A)	1,319	32,039
Newegg Commerce, Inc. (A)	4,426	5,178
OneWater Marine, Inc., Class A (A)	187	6,777
O'Reilly Automotive, Inc. (A)	999	954,345
Overstock.com, Inc. (A)	765	24,916
Penske Automotive Group, Inc. Petco Health & Wellness Company, Inc. (A)	1,104	183,960
PetMed Express, Inc.	3,669	32,654
Rent the Runway, Inc., Class A (A)(B)	391	5,392
Revolve Group, Inc. (A)	942	1,865
RH (A)	697	11,431
Ross Stores, Inc.	379	124,915
Ross Stores, Inc.	5,533	620,415
RumbleON, Inc., Class B (A)	228	2,818
Sally Beauty Holdings, Inc. (A)	1,774	21,909
Shoe Carnival, Inc.	500	11,740
Signet Jewelers, Ltd.	762	49,728
Sleep Number Corp. (A)	378	10,312
Sonic Automotive, Inc., Class A	415	19,783
Sportsman's Warehouse Holdings, Inc. (A)	611	3,483
Stitch Fix, Inc., Class A (A)	1,692	6,514
The Aaron's Company, Inc.	635	8,979

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
The Buckle, Inc.	804	\$ 27,818
The Cato Corp., Class A	469	3,766
The Children's Place, Inc. (A)	154	3,574
The Container Store Group, Inc. (A)	529	1,661
The Gap, Inc.	6,031	53,857
The Home Depot, Inc.	16,452	5,110,649
The ODP Corp. (A)	730	34,179
The RealReal, Inc. (A)	2,001	4,442
The TJX Companies, Inc.	18,678	1,583,708
ThredUp, Inc., Class A (A)	1,553	3,789
Tilly's, Inc., Class A (A)	296	2,075
Torrid Holdings, Inc. (A)	1,663	4,673
Tractor Supply Company	1,785	394,664
Ulta Beauty, Inc. (A)	823	387,300
Upbound Group, Inc.	1,004	31,255
Urban Outfitters, Inc. (A)	1,562	51,749
Valvoline, Inc.	2,811	105,441
Victoria's Secret & Company (A)	1,346	23,461
Warby Parker, Inc., Class A (A)	1,619	18,926
Wayfair, Inc., Class A (A)	1,337	86,918
Williams-Sonoma, Inc.	1,058	132,398
Winmark Corp.	60	19,948
Zumiez, Inc. (A)	371	6,181
		15,781,031
Textiles, apparel and luxury goods – 0.6%		
Allbirds, Inc., Class A (A)	1,736	2,187
Carter's, Inc.	579	42,035
Columbia Sportswear Company	928	71,679
Crocs, Inc. (A)	1,018	114,464
Culp, Inc. (A)	350	1,740
Deckers Outdoor Corp. (A)	428	225,838
Fossil Group, Inc. (A)	1,102	2,832
G-III Apparel Group, Ltd. (A)	474	9,134
Hanesbrands, Inc.	5,901	26,791
Kontoor Brands, Inc.	901	37,932
Levi Strauss & Company, Class A	1,731	24,978
Lululemon Athletica, Inc. (A)	1,970	745,645
Movado Group, Inc.	291	7,808
NIKE, Inc., Class B	20,176	2,226,825
Oxford Industries, Inc.	276	27,164
PLBY Group, Inc. (A)(B)	607	1,020
PVH Corp.	1,028	87,349
Ralph Lauren Corp.	659	81,255
Rocky Brands, Inc.	87	1,827
Skechers USA, Inc., Class A (A)	2,182	114,904
Steven Madden, Ltd.	1,321	43,183
Superior Group of Companies, Inc.	407	3,801
Tapestry, Inc.	3,793	162,340
Under Armour, Inc., Class A (A)	6,449	46,562
Unifi, Inc. (A)	438	3,535
Vera Bradley, Inc. (A)	673	4,300
VF Corp.	6,247	119,255
Wolverine World Wide, Inc.	1,104	16,218
		4,252,601
		83,671,571
Consumer staples – 6.6%		
Beverages – 1.6%		
Brown-Forman Corp., Class B	4,988	333,099
Celsius Holdings, Inc. (A)	1,253	186,935
Coca-Cola Consolidated, Inc.	139	88,407
Constellation Brands, Inc., Class A	2,955	727,314
Keurig Dr. Pepper, Inc.	23,060	721,086
MGP Ingredients, Inc.	345	36,667
Molson Coors Beverage Company, Class B	3,177	209,174

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages (continued)		
Monster Beverage Corp. (A)	16,902	\$ 970,851
National Beverage Corp. (A)	1,557	75,281
PepsiCo, Inc.	22,267	4,124,294
Splash Beverage Group, Inc. (A)	756	847
The Alkaline Water Company, Inc. (A)	118	182
The Boston Beer Company, Inc., Class A (A)	170	52,435
The Coca-Cola Company	69,746	4,200,104
The Duckhorn Portfolio, Inc. (A)	1,652	21,426
The Vita Coco Company, Inc. (A)	814	21,872
Vintage Wine Estates, Inc. (A)	774	662
Zevia PBC, Class A (A)	777	3,349
		11,773,985
Consumer staples distribution and retail – 2.0%		
Albertsons Companies, Inc., Class A	8,427	183,877
BJ's Wholesale Club Holdings, Inc. (A)	2,178	137,236
Casey's General Stores, Inc.	592	144,377
Costco Wholesale Corp.	7,171	3,860,723
Dollar General Corp.	3,603	611,717
Dollar Tree, Inc. (A)	3,569	512,152
Grocery Outlet Holding Corp. (A)	1,615	49,435
HF Foods Group, Inc. (A)	1,021	4,788
Ingles Markets, Inc., Class A	254	20,993
Natural Grocers by Vitamin Cottage, Inc.	475	5,824
Performance Food Group Company (A)	2,568	154,696
PriceSmart, Inc.	525	38,882
Rite Aid Corp. (A)	1,145	1,729
SpartanNash Company	638	14,361
Sprouts Farmers Market, Inc. (A)	1,774	65,159
Sysco Corp.	8,222	610,072
Target Corp.	7,408	977,115
The Andersons, Inc.	652	30,090
The Chefs' Warehouse, Inc. (A)	665	23,780
The Fresh Market, Inc. (A)(C)	1,153	0
The Kroger Company	11,542	542,474
U.S. Foods Holding Corp. (A)	3,724	163,856
United Natural Foods, Inc. (A)	984	19,237
Village Super Market, Inc., Class A	305	6,960
Walgreens Boots Alliance, Inc.	13,861	394,900
Walmart, Inc.	43,540	6,843,617
Weis Markets, Inc.	464	29,793
		15,447,843
Food products – 1.1%		
Alico, Inc.	182	4,634
Archer-Daniels-Midland Company	8,863	669,688
B&G Foods, Inc.	1,224	17,038
Benson Hill, Inc. (A)	3,178	4,131
Beyond Meat, Inc. (A)(B)	1,108	14,382
BRC, Inc., Class A (A)	641	3,308
Bunge, Ltd.	2,429	229,176
Calavo Growers, Inc.	340	9,867
Cal-Maine Foods, Inc.	745	33,525
Campbell Soup Company	4,829	220,734
Conagra Brands, Inc.	7,727	260,554
Darling Ingredients, Inc. (A)	2,635	168,087
Dole PLC	122	1,649
Farmer Brothers Company (A)	62	172
Flowers Foods, Inc.	3,522	87,627
Fresh Del Monte Produce, Inc.	851	21,879
Freshpet, Inc. (A)	763	50,213
General Mills, Inc.	9,489	727,806
Hormel Foods Corp.	8,848	355,867
Hostess Brands, Inc. (A)	2,320	58,742
Ingredion, Inc.	1,094	115,909
J&J Snack Foods Corp.	325	51,467

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
John B Sanfilippo & Son, Inc.	166	\$ 19,467
Kellogg Company	5,442	366,791
Lamb Weston Holdings, Inc.	2,349	270,018
Lancaster Colony Corp.	432	86,871
Lifecore Biomedical, Inc. (A)	729	7,049
Lifeway Foods, Inc. (A)	47	316
Limoneira Company	387	6,022
Local Bounti Corp. (A)	121	329
McCormick & Company, Inc.	4,065	354,590
Mission Produce, Inc. (A)	855	10,363
Mondelez International, Inc., Class A	21,972	1,602,638
Pilgrim's Pride Corp. (A)	3,970	85,315
Post Holdings, Inc. (A)	974	84,397
Seaboard Corp.	15	53,411
Seneca Foods Corp., Class A (A)	139	4,543
Sovos Brands, Inc. (A)	1,396	27,306
Tattooed Chef, Inc. (A)	1,232	673
The Hain Celestial Group, Inc. (A)	1,558	19,491
The Hershey Company	2,381	594,536
The J.M. Smucker Company	1,622	239,521
The Kraft Heinz Company	19,894	706,237
The Simply Good Foods Company (A)	1,663	60,849
Tootsie Roll Industries, Inc.	734	25,991
TreeHouse Foods, Inc. (A)	936	47,156
Tyson Foods, Inc., Class A	4,597	234,631
Utz Brands, Inc.	572	9,358
Vital Farms, Inc. (A)	532	6,379
		8,030,703
Household products – 1.1%		
Central Garden & Pet Company, Class A (A)	921	33,580
Church & Dwight Company, Inc.	3,933	394,205
Colgate-Palmolive Company	13,346	1,028,176
Energizer Holdings, Inc.	1,190	39,960
Kimberly-Clark Corp.	5,409	746,767
Oil-Dri Corp. of America	119	7,020
Reynolds Consumer Products, Inc.	3,053	86,247
Spectrum Brands Holdings, Inc.	679	52,996
The Clorox Company	1,998	317,762
The Procter & Gamble Company	38,069	5,776,590
WD-40 Company	231	43,578
		8,526,881
Personal care products – 0.3%		
BellRing Brands, Inc. (A)	2,087	76,384
Coty, Inc., Class A (A)	13,695	168,312
e.l.f. Beauty, Inc. (A)	873	99,723
Edgewell Personal Care Company	876	36,188
Herbalife, Ltd. (A)	1,740	23,038
Inter Parfums, Inc.	538	72,754
Kenvue, Inc. (A)(B)	29,115	769,218
Medifast, Inc.	188	17,326
Nature's Sunshine Products, Inc. (A)	585	7,985
Nu Skin Enterprises, Inc., Class A	854	28,353
Olaplex Holdings, Inc. (A)	10,758	40,020
The Beauty Health Company (A)	2,356	19,720
The Estee Lauder Companies, Inc., Class A	3,751	736,621
The Honest Company, Inc. (A)	1,180	1,982
Thorne HealthTech, Inc. (A)	552	2,594
Upexi, Inc. (A)	65	146
USANA Health Sciences, Inc. (A)	350	22,064

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Personal care products (continued)		
Veru, Inc. (A)(B)	1,270	\$ 1,511
		2,123,939
Tobacco – 0.5%		
Altria Group, Inc.	28,813	1,305,229
Philip Morris International, Inc.	24,985	2,439,036
Turning Point Brands, Inc.	333	7,995
Universal Corp.	426	21,274
Vector Group, Ltd.	2,598	33,280
		3,806,814
		49,710,165
Energy – 4.0%		
Energy equipment and services – 0.4%		
Archrock, Inc.	2,767	28,362
Baker Hughes Company	16,283	514,706
Bristow Group, Inc. (A)	346	9,941
Cactus, Inc., Class A	1,047	44,309
ChampionX Corp.	3,261	101,221
Diamond Offshore Drilling, Inc. (A)	64	911
DMC Global, Inc. (A)	314	5,577
Dril-Quip, Inc. (A)	654	15,219
Expro Group Holdings NV (A)	790	13,999
Forum Energy Technologies, Inc. (A)	38	972
Halliburton Company	14,705	485,118
Helix Energy Solutions Group, Inc. (A)	2,742	20,236
Helmerich & Payne, Inc.	1,763	62,498
KLX Energy Services Holdings, Inc. (A)	158	1,537
Liberty Energy, Inc.	2,877	38,465
Mammoth Energy Services, Inc. (A)	729	3,521
Nabors Industries, Ltd. (A)	160	14,885
National Energy Services Reunited Corp. (A)	1,511	4,457
Newpark Resources, Inc. (A)	1,689	8,833
NexTier Oilfield Solutions, Inc. (A)	4,140	37,012
Nine Energy Service, Inc. (A)	508	1,946
NOV, Inc.	6,541	104,918
Oceaneering International, Inc. (A)	1,715	32,071
Oil States International, Inc. (A)	1,266	9,457
Patterson-UTI Energy, Inc.	3,673	43,966
ProFrac Holding Corp., Class A (A)	530	5,915
ProPetro Holding Corp. (A)	1,461	12,039
Ranger Energy Services, Inc. (A)	169	1,731
RPC, Inc.	3,715	26,562
Schlumberger, Ltd.	22,973	1,128,434
SEACOR Marine Holdings, Inc. (A)	332	3,795
Select Water Solutions, Inc.	1,836	14,872
Smart Sand, Inc. (A)	446	731
Solaris Oilfield Infrastructure, Inc., Class A	160	1,333
TETRA Technologies, Inc. (A)	1,684	5,692
Tidewater, Inc. (A)	804	44,574
U.S. Silica Holdings, Inc. (A)	426	5,167
USA Compression Partners LP	534	10,541
Weatherford International PLC (A)	1,152	76,516
		2,942,039
Oil, gas and consumable fuels – 3.6%		
Aemetis, Inc. (A)	638	4,677
Alto Ingredients, Inc. (A)	1,053	3,043
Amplify Energy Corp. (A)	487	3,297
Antero Midstream Corp.	7,998	92,777
Antero Resources Corp. (A)	4,972	114,505
APA Corp.	5,127	175,190
Arch Resources, Inc.	283	31,911
Baytex Energy Corp. (A)	2,142	6,983
BP Prudhoe Bay Royalty Trust	205	935
California Resources Corp.	1,147	51,948

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Callon Petroleum Company (A)	964	\$ 33,807
Calumet Specialty Products Partners LP (A)	243	3,854
Centrus Energy Corp., Class A (A)	203	6,610
Cheniere Energy, Inc.	3,934	599,384
Chesapeake Energy Corp.	1,996	167,025
Chevron Corp.	30,835	4,851,887
Chord Energy Corp.	623	95,817
Civitas Resources, Inc.	1,313	91,083
Clean Energy Fuels Corp. (A)	3,925	19,468
CNX Resources Corp. (A)	3,211	56,899
Comstock Resources, Inc.	3,787	43,929
ConocoPhillips	19,774	2,048,784
CONSOL Energy, Inc.	572	38,787
Coterra Energy, Inc.	12,796	323,739
Crescent Energy Company, Class A	711	7,409
Crestwood Equity Partners LP	220	5,826
CrossAmerica Partners LP	406	7,998
CVR Energy, Inc.	1,544	46,258
Delek Logistics Partners LP	100	5,460
Delek US Holdings, Inc.	1,194	28,596
Denbury, Inc. (A)	828	71,423
Devon Energy Corp.	10,650	514,821
Diamondback Energy, Inc.	2,934	385,410
Dorchester Minerals LP	517	15,489
Dorian LPG, Ltd.	704	18,058
DT Midstream, Inc.	1,589	78,767
Earthstone Energy, Inc., Class A (A)	25	357
Empire Petroleum Corp. (A)	154	1,401
Enviva, Inc.	170	1,845
EOG Resources, Inc.	9,524	1,089,927
EQT Corp.	5,996	246,615
Equitrans Midstream Corp.	7,277	69,568
Evolution Petroleum Corp.	128	1,033
Excelerate Energy, Inc., Class A	304	6,180
Exxon Mobil Corp.	66,530	7,135,343
Genesis Energy LP	454	4,336
Gevo, Inc. (A)	3,981	6,051
Global Partners LP	158	4,855
Green Plains Partners LP	478	6,185
Green Plains, Inc. (A)	881	28,403
Gulfport Energy Corp. (A)	298	31,311
Hallador Energy Company (A)	431	3,694
Harvest Natural Resources, Inc. (A)(C)	270	0
Hess Corp.	5,030	683,829
Hess Midstream LP, Class A	142	4,357
HF Sinclair Corp.	3,153	140,655
HighPeak Energy, Inc. (B)	1,811	19,704
International Seaways, Inc.	693	26,500
Kimbell Royalty Partners LP	1,094	16,093
Kinder Morgan, Inc.	35,695	614,668
Kosmos Energy, Ltd. (A)	7,208	43,176
Magnolia Oil & Gas Corp., Class A	3,178	66,420
Marathon Oil Corp.	10,430	240,099
Marathon Petroleum Corp.	7,212	840,919
Matador Resources Company	1,968	102,966
Murphy Oil Corp.	2,467	94,486
NACCO Industries, Inc., Class A	132	4,575
Natural Resource Partners LP	105	5,538
New Fortress Energy, Inc.	3,437	92,043
Next Bridge Hydrocarbons, Inc. (A)(C)	2,456	7,110
NextDecade Corp. (A)	1,986	16,305
Northern Oil and Gas, Inc.	1,194	40,978
NuStar Energy LP	198	3,394
Occidental Petroleum Corp.	14,774	868,711

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
ONEOK, Inc.	7,213	\$ 445,186
OPAL Fuels, Inc., Class A (A)	311	2,320
Overseas Shipholding Group, Inc., Class A (A)	496	2,068
Ovintiv, Inc.	4,064	154,716
Par Pacific Holdings, Inc. (A)	524	13,944
PBF Energy, Inc., Class A	2,149	87,980
PDC Energy, Inc.	1,606	114,251
Peabody Energy Corp.	2,328	50,424
Permian Resources Corp.	4,698	51,490
Phillips 66	7,625	727,273
Pioneer Natural Resources Company	3,830	793,499
Range Resources Corp.	4,124	121,246
REX American Resources Corp. (A)	379	13,193
Riley Exploration Permian, Inc.	305	10,895
SandRidge Energy, Inc.	486	7,412
SFL Corp., Ltd.	2,278	21,254
SilverBow Resources, Inc. (A)	313	9,115
Sitio Royalties Corp., Class A	1,163	30,552
SM Energy Company	2,008	63,513
Southwestern Energy Company (A)	17,779	106,852
Talos Energy, Inc. (A)	1,236	17,143
Targa Resources Corp.	3,692	280,961
Teekay Corp. (A)	2,030	12,261
Tellurian, Inc. (A)	9,089	12,815
Texas Pacific Land Corp.	126	165,879
The Williams Companies, Inc.	19,539	637,558
Uranium Energy Corp. (A)	5,202	17,687
VAALCO Energy, Inc.	1,457	5,478
Valero Energy Corp.	5,987	702,275
Vertex Energy, Inc. (A)(B)	1,206	7,538
Viper Energy Partners LP	515	13,817
Vital Energy, Inc. (A)	259	11,694
Vitesse Energy, Inc.	455	10,192
W&T Offshore, Inc. (A)	2,049	7,930
World Kinect Corp.	1,088	22,500
		27,374,395
		30,316,434
Financials – 12.7%		
Banks – 3.1%		
1st Source Corp.	500	20,965
Amerant Bancorp, Inc.	649	11,156
American National Bankshares, Inc.	218	6,318
Ameris Bancorp	1,207	41,291
Ames National Corp.	260	4,688
Arrow Financial Corp.	398	8,016
Associated Banc-Corp.	2,550	41,387
Atlantic Union Bankshares Corp.	1,383	35,889
Axos Financial, Inc. (A)	1,046	41,254
Banc of California, Inc.	1,160	13,433
BancFirst Corp.	496	45,632
Bank of America Corp.	129,015	3,701,440
Bank of Hawaii Corp. (B)	678	27,954
Bank of Marin Bancorp	328	5,796
Bank OZK	1,946	78,151
BankFinancial Corp.	481	3,935
BankUnited, Inc.	1,357	29,243
Bankwell Financial Group, Inc.	211	5,144
Banner Corp.	610	26,639
Bar Harbor Bankshares	409	10,078
BayCom Corp.	336	5,604
BCB Bancorp, Inc.	437	5,130
Berkshire Hills Bancorp, Inc.	847	17,558
BOK Financial Corp.	1,118	90,312
Bridgewater Bancshares, Inc. (A)	655	6,452

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Brookline Bancorp, Inc.	2,130	\$ 18,616
Business First Bancshares, Inc.	293	4,416
Byline Bancorp, Inc.	787	14,237
Cadence Bank	3,163	62,121
Cambridge Bancorp	93	5,051
Camden National Corp.	332	10,282
Capital City Bank Group, Inc.	400	12,256
Capitol Federal Financial, Inc.	1,954	12,056
Capstar Financial Holdings, Inc.	374	4,589
Cathay General Bancorp	768	24,722
Central Pacific Financial Corp.	579	9,096
Central Valley Community Bancorp	295	4,558
Chemung Financial Corp.	36	1,383
Citigroup, Inc.	31,214	1,437,093
Citizens & Northern Corp.	324	6,253
Citizens Financial Group, Inc.	7,988	208,327
City Holding Company	280	25,197
Civista Bancshares, Inc.	342	5,951
CNB Financial Corp.	426	7,519
Codorus Valley Bancorp, Inc.	267	5,236
Columbia Banking System, Inc.	3,639	73,799
Columbia Financial, Inc. (A)	1,909	33,007
Comerica, Inc.	2,162	91,582
Commerce Bancshares, Inc.	1,812	88,244
Community Bank System, Inc.	769	36,051
Community Trust Bancorp, Inc.	310	11,027
ConnectOne Bancorp, Inc.	882	14,632
Cullen/Frost Bankers, Inc.	1,066	114,627
Customers Bancorp, Inc. (A)	374	11,317
CVB Financial Corp.	1,133	15,046
Dime Community Bancshares, Inc.	776	13,681
Eagle Bancorp, Inc.	547	11,575
East West Bancorp, Inc.	2,254	118,989
Eastern Bankshares, Inc.	1,922	23,583
Enterprise Bancorp, Inc.	293	8,479
Enterprise Financial Services Corp.	742	29,012
Equity Bancshares, Inc., Class A	331	7,540
Esquire Financial Holdings, Inc.	215	9,834
Farmers & Merchants Bancorp, Inc.	101	2,274
FB Financial Corp.	908	25,469
Fifth Third Bancorp	11,095	290,800
Financial Institutions, Inc.	396	6,233
First Bancorp (North Carolina)	684	20,349
First Bancorp (Puerto Rico)	3,172	38,762
First Busey Corp.	1,120	22,512
First Citizens BancShares, Inc., Class A	221	283,642
First Commonwealth Financial Corp.	1,842	23,301
First Community Bankshares, Inc.	247	7,343
First Financial Bancorp	1,737	35,504
First Financial Bankshares, Inc.	2,377	67,721
First Financial Corp.	283	9,189
First Hawaiian, Inc.	2,278	41,027
First Horizon Corp.	8,848	99,717
First Internet Bancorp	220	3,267
First Interstate BancSystem, Inc., Class A	1,855	44,223
First Merchants Corp.	955	26,960
Flushing Financial Corp.	465	5,715
FNB Corp.	5,943	67,988
Fulton Financial Corp.	2,254	26,868
FVCBankcorp, Inc. (A)	533	5,740
German American Bancorp, Inc.	635	17,259
Glacier Bancorp, Inc.	1,905	59,379
Great Southern Bancorp, Inc.	260	13,190
Guaranty Bancshares, Inc.	278	7,528
Hancock Whitney Corp.	1,414	54,269

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Hanmi Financial Corp.	645	\$ 9,630
HarborOne Bancorp, Inc.	1,175	10,199
Heartland Financial USA, Inc.	771	21,488
Heritage Commerce Corp.	1,034	8,562
Heritage Financial Corp.	708	11,448
Hilltop Holdings, Inc.	1,026	32,278
Home Bancorp, Inc.	185	6,144
Home BancShares, Inc.	3,102	70,726
HomeStreet, Inc.	395	2,338
Hope Bancorp, Inc.	2,344	19,736
Horizon Bancorp, Inc.	928	9,660
Huntington Bancshares, Inc.	23,877	257,394
Independent Bank Corp. (Massachusetts)	711	31,647
Independent Bank Corp. (Michigan)	491	8,327
Independent Bank Group, Inc.	753	26,001
International Bancshares Corp.	802	35,448
Investar Holding Corp.	319	3,863
JPMorgan Chase & Co.	47,491	6,907,091
Kearny Financial Corp.	1,435	10,117
KeyCorp	14,999	138,591
Lakeland Bancorp, Inc.	1,308	17,514
Lakeland Financial Corp.	456	22,125
Live Oak Bancshares, Inc.	804	21,153
Luther Burbank Corp.	1,133	10,106
M&T Bank Corp.	2,736	338,607
Macatawa Bank Corp.	926	8,593
Mercantile Bank Corp.	362	9,998
Metropolitan Bank Holding Corp. (A)	184	6,390
Midland States Bancorp, Inc.	539	10,731
MidWestOne Financial Group, Inc.	336	7,180
MVB Financial Corp.	285	6,008
National Bank Holdings Corp., Class A	697	20,241
National Bankshares, Inc.	168	4,904
NBT Bancorp, Inc.	501	15,957
New York Community Bancorp, Inc.	8,838	99,339
Nicolet Bankshares, Inc.	67	4,550
Northfield Bancorp, Inc.	1,000	10,980
Northrim BanCorp, Inc.	150	5,900
Northwest Bancshares, Inc.	2,105	22,313
Norwood Financial Corp.	211	6,231
NU Holdings, Ltd., Class A (A)	56,681	447,213
OceanFirst Financial Corp.	1,155	18,041
OFG Bancorp	931	24,280
Old National Bancorp	4,312	60,109
Old Second Bancorp, Inc.	816	10,657
Origin Bancorp, Inc.	516	15,119
Pacific Premier Bancorp, Inc.	1,278	26,429
PacWest Bancorp (B)	2,065	16,830
Park National Corp.	210	21,487
Pathward Financial, Inc.	521	24,154
Peapack-Gladstone Financial Corp.	397	10,751
Peoples Bancorp of North Carolina, Inc.	98	1,787
Peoples Bancorp, Inc.	711	18,877
Pinnacle Financial Partners, Inc.	1,285	72,795
Ponce Financial Group, Inc. (A)	702	6,100
Popular, Inc.	829	50,171
Preferred Bank	294	16,167
Premier Financial Corp.	804	12,880
Primis Financial Corp.	655	5,515
Princeton Bancorp, Inc.	226	6,174
Prosperity Bancshares, Inc.	1,071	60,490
Provident Bancorp, Inc.	54	447
Provident Financial Services, Inc.	1,019	16,650
QCR Holdings, Inc.	349	14,319
RBB Bancorp	407	4,860

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Red River Bancshares, Inc.	155	\$ 7,617
Regions Financial Corp.	15,240	271,577
Renasant Corp.	1,005	26,261
Republic Bancorp, Inc., Class A	350	14,875
Republic First Bancorp, Inc. (A)	1,584	1,426
S&T Bancorp, Inc.	768	20,882
Sandy Spring Bancorp, Inc.	750	17,010
Seacoast Banking Corp. of Florida	1,097	24,244
ServisFirst Bancshares, Inc.	848	34,700
Shore Bancshares, Inc.	488	5,641
Sierra Bancorp	373	6,330
Silvergate Capital Corp., Class A (A)	497	348
Simmons First National Corp., Class A	2,304	39,744
South Plains Financial, Inc.	415	9,342
Southern First Bancshares, Inc. (A)	207	5,123
Southern Missouri Bancorp, Inc.	206	7,921
Southside Bancshares, Inc.	667	17,449
SouthState Corp.	1,302	85,672
Stellar Bancorp, Inc.	998	22,844
Sterling Bancorp, Inc. (A)	1,248	6,827
Stock Yards Bancorp, Inc.	419	19,010
Summit Financial Group, Inc.	329	6,797
Synovus Financial Corp.	2,472	74,778
Territorial Bancorp, Inc.	238	2,923
Texas Capital Bancshares, Inc. (A)	863	44,445
The Bancorp, Inc. (A)	1,009	32,944
The First Bancorp, Inc.	302	7,351
The First of Long Island Corp.	570	6,851
The PNC Financial Services Group, Inc.	6,509	819,809
Timberland Bancorp, Inc.	79	2,021
Tompkins Financial Corp.	290	16,153
Towne Bank	1,355	31,490
TriCo Bancshares	622	20,650
Triumph Financial, Inc. (A)	443	26,899
Truist Financial Corp.	21,712	658,959
Trustmark Corp.	1,112	23,485
U.S. Bancorp	24,386	805,713
UMB Financial Corp.	475	28,928
United Bankshares, Inc.	2,146	63,672
United Community Banks, Inc.	1,695	42,358
Unity Bancorp, Inc.	266	6,275
Univest Financial Corp.	651	11,770
Valley National Bancorp	7,874	61,024
Veritex Holdings, Inc.	1,027	18,414
Washington Federal, Inc.	1,028	27,263
Washington Trust Bancorp, Inc.	335	8,981
Webster Financial Corp.	2,933	110,721
Wells Fargo & Company	61,321	2,617,180
WesBanco, Inc.	1,118	28,632
West Bancorp, Inc.	410	7,548
Western Alliance Bancorp	1,809	65,974
Western New England Bancorp, Inc.	652	3,808
Wintrust Financial Corp.	1,028	74,653
WSFS Financial Corp.	1,111	41,907
Zions Bancorp NA	2,266	60,865
		23,918,572
Capital markets – 2.9%		
Affiliated Managers Group, Inc.	573	85,887
AITi Global, Inc. (A)	341	2,612
Ameriprise Financial, Inc.	1,684	559,357
Ares Management Corp., Class A	2,810	270,744
Artisan Partners Asset Management, Inc., Class A	1,162	45,678
AssetMark Financial Holdings, Inc. (A)	1,278	37,905
Associated Capital Group, Inc., Class A	130	4,602

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Avantax, Inc. (A)	860	\$ 19,247
Bain Capital Specialty Finance, Inc.	569	7,687
Bakkt Holdings, Inc. (A)(B)	1,026	1,262
Barings BDC, Inc.	1,343	10,529
BGC Partners, Inc., Class A	5,719	25,335
BlackRock Capital Investment Corp.	2,031	6,662
BlackRock TCP Capital Corp.	538	5,870
BlackRock, Inc.	2,404	1,661,501
Blue Owl Capital, Inc.	6,668	77,682
Bridge Investment Group Holdings, Inc., Class A	617	7,003
BrightSphere Investment Group, Inc.	415	8,694
Capital Southwest Corp.	445	8,775
Carlyle Secured Lending, Inc.	398	5,795
Cboe Global Markets, Inc.	1,712	236,273
CME Group, Inc.	5,821	1,078,573
Cohen & Steers, Inc.	825	47,842
Coinbase Global, Inc., Class A (A)	2,915	208,568
Diamond Hill Investment Group, Inc.	65	11,135
Donnelley Financial Solutions, Inc. (A)	521	23,721
Ellington Financial, Inc.	880	12,144
Evercore, Inc., Class A	649	80,210
FactSet Research Systems, Inc.	614	245,999
Federated Hermes, Inc.	1,473	52,807
Fidus Investment Corp.	537	10,525
Focus Financial Partners, Inc., Class A (A)	1,139	59,809
Forge Global Holdings, Inc. (A)	2,536	6,162
Franklin Resources, Inc.	7,937	211,997
GCM Grosvenor, Inc., Class A	217	1,636
Gladstone Capital Corp.	801	7,818
Gladstone Investment Corp.	740	9,650
Golub Capital BDC, Inc.	297	4,010
Greenhill & Company, Inc.	96	1,406
Hamilton Lane, Inc., Class A	644	51,507
Houlihan Lokey, Inc.	832	81,794
Interactive Brokers Group, Inc., Class A	1,612	133,909
Intercontinental Exchange, Inc.	9,037	1,021,904
Invesco, Ltd.	7,229	121,519
Jefferies Financial Group, Inc.	3,593	119,180
KKR & Company, Inc.	14,008	784,448
Lazard, Ltd., Class A	1,833	58,656
LPL Financial Holdings, Inc.	1,273	276,788
MarketAxess Holdings, Inc.	613	160,250
MidCap Financial Investment Corp.	512	6,431
Moelis & Company, Class A	1,086	49,239
Monroe Capital Corp.	561	4,589
Moody's Corp.	2,946	1,024,383
Morgan Stanley	27,182	2,321,343
Morningstar, Inc.	696	136,465
MSCI, Inc.	1,292	606,323
Nasdaq, Inc.	7,919	394,762
Northern Trust Corp.	3,158	234,134
Open Lending Corp. (A)	2,053	21,577
Oppenheimer Holdings, Inc., Class A	169	6,790
Oxford Square Capital Corp.	1,411	3,739
P10, Inc., Class A	510	5,763
P10, Inc., Class B	665	7,515
PennantPark Floating Rate Capital, Ltd.	759	8,083
PennantPark Investment Corp.	1,644	9,683
Perella Weinberg Partners	815	6,789
Piper Sandler Companies	301	38,907
Portman Ridge Finance Corp.	262	5,201
Raymond James Financial, Inc.	3,491	362,261
Robinhood Markets, Inc., Class A (A)	12,450	124,251
S&P Global, Inc.	5,215	2,090,641

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Sculptor Capital Management, Inc.	537	\$ 4,742
SEI Investments Company	2,103	125,381
SLR Investment Corp.	420	5,993
State Street Corp.	5,517	403,734
Stellus Capital Investment Corp.	468	6,585
StepStone Group, Inc., Class A	1,110	27,539
Stifel Financial Corp.	1,702	101,558
StoneX Group, Inc. (A)	351	29,161
T. Rowe Price Group, Inc.	3,575	400,472
The Bank of New York Mellon Corp.	12,819	570,702
The Blackstone Group, Inc.	11,332	1,053,536
The Carlyle Group, Inc.	5,845	186,748
The Charles Schwab Corp.	28,936	1,640,092
The Goldman Sachs Group, Inc.	5,363	1,729,782
TPG, Inc.	1,243	36,370
Tradeweb Markets, Inc., Class A	1,792	122,716
TriplePoint Venture Growth BDC Corp.	568	6,691
Victory Capital Holdings, Inc., Class A	1,216	38,353
Virtu Financial, Inc., Class A	1,673	28,592
Virtus Investment Partners, Inc.	128	25,276
WhiteHorse Finance, Inc.	557	7,146
WisdomTree, Inc.	2,831	19,421
		22,012,526
Consumer finance – 0.6%		
Ally Financial, Inc.	4,836	130,620
American Express Company	12,016	2,093,187
Atlanticus Holdings Corp. (A)	234	9,830
Bread Financial Holdings, Inc.	803	25,206
Capital One Financial Corp.	6,118	669,126
Consumer Portfolio Services, Inc. (A)	225	2,626
Credit Acceptance Corp. (A)	209	106,157
Curo Group Holdings Corp.	544	734
Discover Financial Services	4,216	492,640
Encore Capital Group, Inc. (A)	412	20,031
Enova International, Inc. (A)	563	29,907
EZCORP, Inc., Class A (A)	1,126	9,436
FirstCash Holdings, Inc.	788	73,544
Green Dot Corp., Class A (A)	978	18,328
LendingClub Corp. (A)	511	4,982
LendingTree, Inc. (A)	258	5,704
Medallion Financial Corp.	113	894
MoneyLion, Inc. (A)	82	985
Navient Corp.	2,060	38,275
Nelnet, Inc., Class A	367	35,408
NerdWallet, Inc., Class A (A)	636	5,985
OneMain Holdings, Inc.	1,891	82,618
Oportun Financial Corp. (A)	464	2,770
PRA Group, Inc. (A)	701	16,018
PROG Holdings, Inc. (A)	872	28,009
Regional Management Corp.	205	6,253
SLM Corp.	3,985	65,035
SoFi Technologies, Inc. (A)	14,760	123,098
Sunlight Financial Holdings, Inc. (A)	1,462	424
Synchrony Financial	6,991	237,135
Upstart Holdings, Inc. (A)	1,379	49,382
World Acceptance Corp. (A)	124	16,617
		4,400,964
Financial services – 4.1%		
Acacia Research Corp. (A)	1,092	4,543
Affirm Holdings, Inc. (A)	3,833	58,760
Apollo Global Management, Inc.	9,299	714,256
AvidXchange Holdings, Inc. (A)	3,067	31,835
Berkshire Hathaway, Inc., Class A (A)	10	5,178,100
Berkshire Hathaway, Inc., Class B (A)	20,960	7,147,360
Block, Inc. (A)	8,691	578,560

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
BM Technologies, Inc. (A)	308	\$ 918
Cannae Holdings, Inc. (A)	1,126	22,756
Cass Information Systems, Inc.	256	9,928
Enact Holdings, Inc.	2,321	58,327
Equitable Holdings, Inc.	6,007	163,150
Euronet Worldwide, Inc. (A)	845	99,178
Federal Agricultural Mortgage Corp., Class C	173	24,867
Federal National Mortgage Association (A)	8,554	3,764
Fidelity National Information Services, Inc.	9,627	526,597
Fiserv, Inc. (A)	10,167	1,282,567
FleetCor Technologies, Inc. (A)	1,183	297,028
Flywire Corp. (A)	1,698	52,706
Global Payments, Inc.	4,246	418,316
i3 Verticals, Inc., Class A (A)	424	9,693
International Money Express, Inc. (A)	496	12,167
Jack Henry & Associates, Inc.	1,176	196,780
Jackson Financial, Inc., Class A	1,256	38,446
LoanDepot, Inc., Class A (A)	82	174
Marqeta, Inc., Class A (A)	7,428	36,174
Mastercard, Inc., Class A	15,293	6,014,737
Merchants Bancorp	829	21,206
MGIC Investment Corp.	4,668	73,708
Mr. Cooper Group, Inc. (A)	340	17,218
NewtekOne, Inc.	477	7,584
NMI Holdings, Inc., Class A (A)	1,463	37,775
Ocwen Financial Corp. (A)	165	4,945
PagSeguro Digital, Ltd., Class A (A)	2,248	21,221
Paymentus Holdings, Inc., Class A (A)	578	6,104
Payoneer Global, Inc. (A)	5,500	26,455
PayPal Holdings, Inc. (A)	18,268	1,219,024
Paysign, Inc. (A)	1,105	2,707
PennyMac Financial Services, Inc.	824	57,935
Priority Technology Holdings, Inc. (A)	1,154	4,177
Radian Group, Inc.	2,549	64,439
Remitly Global, Inc. (A)	2,668	50,212
Rocket Companies, Inc., Class A (A)	499	4,471
Shift4 Payments, Inc., Class A (A)	852	57,859
TFS Financial Corp.	3,937	49,488
The Western Union Company	5,964	69,958
Toast, Inc., Class A (A)	5,509	124,338
TrustCo Bank Corp. NY	400	11,444
Visa, Inc., Class A	26,338	6,254,748
Voya Financial, Inc.	1,552	111,294
Walker & Dunlop, Inc.	566	44,765
WEX, Inc. (A)	719	130,908
		31,455,670
Insurance – 1.9%		
Aflac, Inc.	9,884	689,903
American Equity Investment Life Holding Company	1,278	66,597
American Financial Group, Inc.	1,282	152,238
American International Group, Inc.	11,878	683,460
AMERISAFE, Inc.	412	21,968
Aon PLC, Class A	3,314	1,143,993
Arch Capital Group, Ltd. (A)	5,996	448,801
Argo Group International Holdings, Ltd.	686	20,312
Arthur J. Gallagher & Company	3,447	756,858
Assurant, Inc.	835	104,976
Assured Guaranty, Ltd.	997	55,633
Axis Capital Holdings, Ltd.	1,428	76,869
Bright Health Group, Inc. (A)	128	1,564
Brighthouse Financial, Inc. (A)	1,236	58,525
Brown & Brown, Inc.	4,623	318,247
BRP Group, Inc., Class A (A)	1,065	26,391

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Cincinnati Financial Corp.	2,553	\$ 248,458
CNA Financial Corp.	4,244	163,903
CNO Financial Group, Inc.	2,084	49,328
Crawford & Company, Class B	1,283	12,047
Donegal Group, Inc., Class A	786	11,342
eHealth, Inc. (A)	490	3,940
Employers Holdings, Inc.	594	22,222
Enstar Group, Ltd. (A)	223	54,466
Erie Indemnity Company, Class A	756	158,768
Everest Re Group, Ltd.	619	211,611
F&G Annuities & Life, Inc.	1,837	45,521
Fidelity National Financial, Inc.	4,470	160,920
First American Financial Corp.	1,651	94,140
Genworth Financial, Inc., Class A (A)	7,530	37,650
Globe Life, Inc.	1,471	161,251
GoHealth, Inc., Class A (A)	146	2,878
Goosehead Insurance, Inc., Class A (A)	367	23,081
Hagerty, Inc., Class A (A)	1,692	15,837
HCI Group, Inc.	170	10,503
Heritage Insurance Holdings, Inc. (A)	734	2,826
Hippo Holdings, Inc. (A)	362	5,984
Horace Mann Educators Corp.	841	24,944
Investors Title Company	50	7,300
Kemper Corp.	1,124	54,244
Kinsale Capital Group, Inc.	390	145,938
Lemonade, Inc. (A)(B)	1,150	19,378
Lincoln National Corp.	2,877	74,112
Loews Corp.	3,777	224,278
Maiden Holdings, Ltd. (A)	1,154	2,423
Markel Group, Inc. (A)	212	293,234
Marsh & McLennan Companies, Inc.	7,994	1,503,512
MBIA, Inc. (A)	1,050	9,072
Mercury General Corp.	1,013	30,664
MetLife, Inc.	12,451	703,855
Midwest Holding, Inc. (A)	14	375
National Western Life Group, Inc., Class A	35	14,545
NI Holdings, Inc. (A)	641	9,519
Old Republic International Corp.	4,621	116,311
Oscar Health, Inc., Class A (A)	3,277	26,413
Palomar Holdings, Inc. (A)	466	27,047
Primerica, Inc.	609	120,436
Principal Financial Group, Inc.	3,874	293,804
ProAssurance Corp.	1,099	16,584
Prudential Financial, Inc.	5,844	515,558
Reinsurance Group of America, Inc.	1,088	150,895
RenaissanceRe Holdings, Ltd.	725	135,227
RLI Corp.	774	105,628
Root, Inc., Class A (A)	229	2,047
Ryan Specialty Holdings, Inc. (A)	1,884	84,573
Safety Insurance Group, Inc.	323	23,166
Selective Insurance Group, Inc.	976	93,647
SelectQuote, Inc. (A)	2,185	4,261
Stewart Information Services Corp.	487	20,035
The Allstate Corp.	4,232	461,457
The Hanover Insurance Group, Inc.	568	64,201
The Hartford Financial Services Group, Inc.	4,860	350,017
The Progressive Corp.	9,455	1,251,558
The Travelers Companies, Inc.	3,701	642,716
Trupanion, Inc. (A)	706	13,894
United Fire Group, Inc.	546	12,372
United Insurance Holdings Corp. (A)	433	1,931
Universal Insurance Holdings, Inc.	656	10,122
Unum Group	3,145	150,017
W.R. Berkley Corp.	4,258	253,606

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
White Mountains Insurance Group, Ltd.	37	\$ 51,390
		14,239,317
Mortgage real estate investment trusts – 0.1%		
AG Mortgage Investment Trust, Inc.	80	490
AGNC Investment Corp.	7,978	80,817
Angel Oak Mortgage, Inc.	160	1,318
Annaly Capital Management, Inc.	6,736	134,787
Apollo Commercial Real Estate Finance, Inc.	2,544	28,798
Arbor Realty Trust, Inc.	2,539	37,628
Ares Commercial Real Estate Corp.	789	8,008
ARMOUR Residential REIT, Inc.	1,413	7,531
Blackstone Mortgage Trust, Inc., Class A	2,768	57,602
BrightSpire Capital, Inc.	2,589	17,424
Chicago Atlantic Real Estate Finance, Inc.	109	1,651
Chimera Investment Corp.	3,772	21,764
Claros Mortgage Trust, Inc.	1,986	22,521
Dynex Capital, Inc.	611	7,692
Ellington Residential Mortgage REIT	471	3,396
Franklin BSP Realty Trust, Inc.	891	12,617
Granite Point Mortgage Trust, Inc.	1,105	5,857
Great Ajax Corp.	553	3,390
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	1,402	35,050
Invesco Mortgage Capital, Inc.	352	4,037
KKR Real Estate Finance Trust, Inc.	1,084	13,192
Ladder Capital Corp.	2,439	26,463
MFA Financial, Inc.	1,816	20,412
New York Mortgage Trust, Inc.	1,306	12,956
Orchid Island Capital, Inc.	327	3,384
PennyMac Mortgage Investment Trust	1,708	23,024
Ready Capital Corp.	2,537	28,617
Redwood Trust, Inc.	2,127	13,549
Rithm Capital Corp.	7,947	74,304
Starwood Property Trust, Inc.	5,131	99,541
TPG RE Finance Trust, Inc.	1,656	12,271
Two Harbors Investment Corp.	1,453	20,168
		840,259
		96,867,308
Health care – 12.9%		
Biotechnology – 2.4%		
2seventy bio, Inc. (A)	648	6,558
4D Molecular Therapeutics, Inc. (A)	535	9,667
89bio, Inc. (A)	819	15,520
Aadi Bioscience, Inc. (A)	394	2,695
AbbVie, Inc.	28,609	3,854,491
Abeona Therapeutics, Inc. (A)	280	1,128
Absci Corp. (A)	1,544	2,347
ACADIA Pharmaceuticals, Inc. (A)	2,745	65,743
Achieve Life Sciences, Inc. (A)	170	882
Achillion Pharmaceuticals, Inc. (A)(C)	3,410	5,181
Actinium Pharmaceuticals, Inc. (A)	204	1,514
Acumen Pharmaceuticals, Inc. (A)	592	2,848
Acurx Pharmaceuticals, Inc. (A)	299	792
Adaptimmune Therapeutics PLC, ADR (A)	1,558	1,441
Adicet Bio, Inc. (A)	663	1,611
ADMA Biologics, Inc. (A)	1,384	5,107
Aduro Biotech, Inc. (A)(C)	312	764
Aerovate Therapeutics, Inc. (A)	391	6,706
Agenus, Inc. (A)	4,630	7,408
Agios Pharmaceuticals, Inc. (A)	969	27,442
Akero Therapeutics, Inc. (A)	754	35,204
Akouos, Inc. (A)(C)	504	912
Albireo Pharma, Inc. (A)(C)	301	647

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Aldeyra Therapeutics, Inc. (A)	1,138	\$ 9,548
Alector, Inc. (A)	1,508	9,063
Aligos Therapeutics, Inc. (A)	162	157
Alkermes PLC (A)	2,773	86,795
Allakos, Inc. (A)	1,352	5,895
Allogene Therapeutics, Inc. (A)	2,589	12,867
Allovir, Inc. (A)	1,480	5,032
Alnylam Pharmaceuticals, Inc. (A)	1,971	374,372
Alpine Immune Sciences, Inc. (A)	715	7,350
Altimmune, Inc. (A)	801	2,828
ALX Oncology Holdings, Inc. (A)	659	4,949
Ambit Biosciences Corp. (A)(C)	515	1,146
Ambrx Biopharma, Inc., ADR (A)	287	4,724
Amgen, Inc.	8,607	1,910,926
Amicus Therapeutics, Inc. (A)	4,686	58,856
AnaptysBio, Inc. (A)	530	10,780
Anavex Life Sciences Corp. (A)	431	3,504
Anika Therapeutics, Inc. (A)	288	7,482
Annexon, Inc. (A)	896	3,154
Annovis Bio, Inc. (A)	176	2,515
Apellis Pharmaceuticals, Inc. (A)	1,786	162,705
Applied Therapeutics, Inc. (A)	1,067	1,366
Aravive, Inc. (A)	893	1,125
Arbutus Biopharma Corp. (A)	1,653	3,802
ARCA biopharma, Inc. (A)	174	353
Arcellx, Inc. (A)	707	22,355
Arcturus Therapeutics Holdings, Inc. (A)	330	9,464
Arcus Biosciences, Inc. (A)	1,192	24,210
Arcutis Biotherapeutics, Inc. (A)	1,116	10,635
Ardelyx, Inc. (A)	3,046	10,326
Arrowhead Pharmaceuticals, Inc. (A)	1,775	63,297
ARS Pharmaceuticals, Inc. (A)	898	6,017
Assembly Biosciences, Inc. (A)	358	412
Astria Therapeutics, Inc. (A)	352	2,932
Atara Biotherapeutics, Inc. (A)	1,915	3,083
aTyr Pharma, Inc. (A)	237	512
Aura Biosciences, Inc. (A)	531	6,558
Avid Bioservices, Inc. (A)	992	13,858
Avidity Biosciences, Inc. (A)	920	10,203
Avita Medical, Inc. (A)	216	3,674
Beam Therapeutics, Inc. (A)	1,146	36,592
BioAtla, Inc. (A)	872	2,616
BioCryst Pharmaceuticals, Inc. (A)	2,966	20,881
Biogen, Inc. (A)	2,333	664,555
Biohaven, Ltd. (A)	1,091	26,097
BioMarin Pharmaceutical, Inc. (A)	3,057	264,981
Biomea Fusion, Inc. (A)	543	11,919
BioVie, Inc. (A)	667	2,875
Bioxcel Therapeutics, Inc. (A)	460	3,064
Black Diamond Therapeutics, Inc. (A)	960	4,848
Bluebird Bio, Inc. (A)	1,199	3,945
Blueprint Medicines Corp. (A)	1,002	63,326
Bolt Biotherapeutics, Inc. (A)	1,138	1,457
Bridgebio Pharma, Inc. (A)	2,543	43,740
C4 Therapeutics, Inc. (A)	755	2,076
Cabaletta Bio, Inc. (A)	570	7,359
Candel Therapeutics, Inc. (A)	599	755
Capricor Therapeutics, Inc. (A)	749	3,580
Cardiff Oncology, Inc. (A)	1,316	1,935
CareDx, Inc. (A)	890	7,565
Caribou Biosciences, Inc. (A)	936	3,978
Carisma Therapeutics, Inc.	96	842
Catalyst Pharmaceuticals, Inc. (A)	1,738	23,359
Celcuity, Inc. (A)	202	2,218
Celldex Therapeutics, Inc. (A)	768	26,058

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
CEL-SCI Corp. (A)(B)	784	\$ 1,889
Celularity, Inc. (A)	2,334	1,243
Century Therapeutics, Inc. (A)	839	2,651
Cerevel Therapeutics Holdings, Inc. (A)	2,518	80,047
Checkpoint Therapeutics, Inc. (A)	243	600
Chimerix, Inc. (A)	1,055	1,277
Chinook Therapeutics, Inc. (A)	965	37,075
Cidara Therapeutics, Inc. (A)	519	586
Cogent Biosciences, Inc. (A)	1,064	12,598
Coherus Biosciences, Inc. (A)	1,434	6,123
Compass Therapeutics, Inc. (A)	1,405	4,468
Contra Concert Pharmaceutical (A)(C)	1,064	394
Corvus Pharmaceuticals, Inc. (A)	153	350
Crinetics Pharmaceuticals, Inc. (A)	797	14,362
Cue Biopharma, Inc. (A)	664	2,424
Cullinan Oncology, Inc. (A)	632	6,800
Cyteir Therapeutics, Inc. (A)	402	1,045
Cytokinetics, Inc. (A)	1,511	49,289
CytomX Therapeutics, Inc. (A)	1,192	2,050
Day One Biopharmaceuticals, Inc. (A)	1,178	14,065
Decibel Therapeutics, Inc. (A)	543	2,091
Deciphera Pharmaceuticals, Inc. (A)	1,040	14,643
Denali Therapeutics, Inc. (A)	2,200	64,922
DermTech, Inc. (A)	483	1,256
Design Therapeutics, Inc. (A)	844	5,317
Diamedica Therapeutics, Inc. (A)	297	1,283
Disc Medicine, Inc. (A)	122	5,417
Dynavax Technologies Corp. (A)	1,983	25,620
Dyne Therapeutics, Inc. (A)	932	10,485
Eagle Pharmaceuticals, Inc. (A)	259	5,035
Editas Medicine, Inc. (A)	1,143	9,407
Eiger BioPharmaceuticals, Inc. (A)	622	438
Emergent BioSolutions, Inc. (A)	921	6,769
Enanta Pharmaceuticals, Inc. (A)	370	7,918
Entrada Therapeutics, Inc. (A)	489	7,403
EQRx, Inc. (A)	7,952	14,791
Erasca, Inc. (A)	2,011	5,550
Evelo Biosciences, Inc. (A)	129	420
Exact Sciences Corp. (A)	2,925	274,658
Exagen, Inc. (A)	252	731
Exelixis, Inc. (A)	5,369	102,602
Fate Therapeutics, Inc. (A)	1,608	7,654
Fennec Pharmaceuticals, Inc. (A)	279	2,464
FibroGen, Inc. (A)	1,640	4,428
Flexion Therapeutics, Inc. (A)(C)	867	484
Foghorn Therapeutics, Inc. (A)	709	4,991
Frequency Therapeutics, Inc. (A)	965	334
G1 Therapeutics, Inc. (A)	826	2,057
Gain Therapeutics, Inc. (A)	90	403
Galera Therapeutics, Inc. (A)	965	3,011
Gamida Cell Ltd. (A)	1,402	2,706
Gemini Therapeutics Sub, Inc. (A)(C)	246	0
Generation Bio Company (A)	1,161	6,386
Genprex, Inc. (A)	381	361
Geron Corp. (A)	5,962	19,138
Gilead Sciences, Inc.	20,177	1,555,041
GlycoMimetics, Inc. (A)	933	1,623
Gossamer Bio, Inc. (A)(B)	1,668	2,002
Graphite Bio, Inc. (A)	889	2,311
GreenLight Biosciences Holdings PBC (A)	2,453	731
Greenwich Lifesciences, Inc. (A)	209	2,016
Gritstone bio, Inc. (A)	1,336	2,605
GTX Corp. (A)(C)	38	0
Halozyme Therapeutics, Inc. (A)	2,283	82,348
Heron Therapeutics, Inc. (A)	1,826	2,118

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
HilleVax, Inc. (A)	527	\$ 9,059
Homology Medicines, Inc. (A)	999	884
Horizon Therapeutics PLC (A)	3,717	382,293
Humacyte, Inc. (A)	1,629	4,659
Icosavax, Inc. (A)	737	7,318
Ideaya Biosciences, Inc. (A)	764	17,954
IGM Biosciences, Inc. (A)	556	5,132
Immuneering Corp., Class A (A)	361	3,661
Immunic, Inc. (A)	884	2,219
ImmunityBio, Inc. (A)	1,369	3,806
ImmunoGen, Inc. (A)	3,506	66,158
Immunome, Inc. (A)	505	3,995
Immunovant, Inc. (A)	2,107	39,970
Incyte Corp. (A)	3,667	228,271
Inhibrx, Inc. (A)	704	18,276
Inmune Bio, Inc. (A)	459	4,168
Inovio Pharmaceuticals, Inc. (A)	3,920	1,750
Inozyme Pharma, Inc. (A)	748	4,166
Insmed, Inc. (A)	2,162	45,618
Instil Bio, Inc. (A)	2,107	1,161
Intellia Therapeutics, Inc. (A)	1,380	56,276
Intercept Pharmaceuticals, Inc. (A)	671	7,421
Invivyd, Inc. (A)	1,879	1,973
Ionis Pharmaceuticals, Inc. (A)	2,363	96,954
Iovance Biotherapeutics, Inc. (A)	2,904	20,444
Ironwood Pharmaceuticals, Inc. (A)	2,657	28,270
iTeos Therapeutics, Inc. (A)	554	7,335
IVERIC bio, Inc. (A)	2,178	85,683
Janux Therapeutics, Inc. (A)	645	7,656
Jasper Therapeutics, Inc. (A)	1,683	2,306
KalVista Pharmaceuticals, Inc. (A)	408	3,672
Karuna Therapeutics, Inc. (A)	545	118,183
Karyopharm Therapeutics, Inc. (A)	1,275	2,282
Keros Therapeutics, Inc. (A)	439	17,639
Kezar Life Sciences, Inc. (A)	994	2,435
Kiniksa Pharmaceuticals, Ltd., Class A (A)	636	8,955
Kinnate Biopharma, Inc. (A)	686	2,079
Kodiak Sciences, Inc. (A)	899	6,203
Kronos Bio, Inc. (A)	1,099	1,890
Krystal Biotech, Inc. (A)	395	46,373
Kura Oncology, Inc. (A)	1,043	11,035
Kymera Therapeutics, Inc. (A)	885	20,346
Lantern Pharma, Inc. (A)	174	981
Larimar Therapeutics, Inc. (A)	656	2,053
Legend Biotech Corp., ADR (A)	2,721	187,831
Lexicon Pharmaceuticals, Inc. (A)	2,952	6,760
Lineage Cell Therapeutics, Inc. (A)	2,770	3,906
Lyell Immunopharma, Inc. (A)	3,975	12,641
MacroGenics, Inc. (A)	1,201	6,425
Madrigal Pharmaceuticals, Inc. (A)	285	65,835
Magenta Therapeutics, Inc. (A)	2,418	1,833
MannKind Corp. (A)	4,112	16,736
MeiraGTX Holdings PLC (A)	698	4,691
Merrimack Pharmaceuticals, Inc. (A)	204	2,509
Mersana Therapeutics, Inc. (A)	1,566	5,152
MiMedx Group, Inc. (A)	706	4,667
Mineralys Therapeutics, Inc. (A)	370	6,309
Mirati Therapeutics, Inc. (A)	902	32,589
Mirum Pharmaceuticals, Inc. (A)	650	16,816
Moderna, Inc. (A)	6,223	756,095
Monte Rosa Therapeutics, Inc. (A)	877	6,007
Morphic Holding, Inc. (A)	687	39,386
Mustang Bio, Inc. (A)	108	671
Myriad Genetics, Inc. (A)	1,391	32,243
Natera, Inc. (A)	1,772	86,226

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Neurocrine Biosciences, Inc. (A)	1,582	\$ 149,183
NextCure, Inc. (A)	542	976
NightHawk Biosciences, Inc. (A)	122	82
Nkarta, Inc. (A)	741	1,623
Northwest Biotherapeutics, Inc. (A)	11,656	6,621
Novavax, Inc. (A)(B)	1,306	9,704
Nurix Therapeutics, Inc. (A)	762	7,612
Nuvalent, Inc., Class A (A)	831	35,043
Nuvectis Pharma, Inc. (A)	46	735
Ocean Biomedical, Inc. (A)	129	775
Ocugen, Inc. (A)	4,428	2,405
Olema Pharmaceuticals, Inc. (A)	673	6,077
Omega Therapeutics, Inc. (A)	866	4,850
Omthera Pharmaceuticals, Inc. (A)(C)	498	0
Organogenesis Holdings, Inc. (A)	2,172	7,211
ORIC Pharmaceuticals, Inc. (A)	743	5,766
Outlook Therapeutics, Inc. (A)	1,883	3,276
Palatin Technologies, Inc. (A)	107	225
Pardes Biosciences, Inc. (A)	703	1,272
PDL BioPharma, Inc. (A)(C)	1,734	572
PDS Biotechnology Corp. (A)	567	2,852
PepGen, Inc. (A)	376	3,361
PMV Pharmaceuticals, Inc. (A)	729	4,564
Point Biopharma Global, Inc. (A)	1,690	15,311
Poseida Therapeutics, Inc. (A)	1,586	2,791
Praxis Precision Medicines, Inc. (A)	1,320	1,518
Precigen, Inc. (A)	3,305	3,801
Precision BioSciences, Inc. (A)	1,970	1,036
Prelude Therapeutics, Inc. (A)	793	3,569
Prime Medicine, Inc. (A)(B)	1,235	18,093
ProKidney Corp. (A)	577	6,457
Protagonist Therapeutics, Inc. (A)	791	21,847
Protalix BioTherapeutics, Inc. (A)	510	1,020
Prothena Corp. PLC (A)	569	38,851
PTC Therapeutics, Inc. (A)	1,210	49,211
Puma Biotechnology, Inc. (A)	890	3,142
Pyxis Oncology, Inc. (A)	721	1,846
Quince Therapeutics, Inc. (A)	478	719
Rallybio Corp. (A)	561	3,175
RAPT Therapeutics, Inc. (A)	543	10,154
Recursion Pharmaceuticals, Inc., Class A (A)	2,871	21,446
Regeneron Pharmaceuticals, Inc. (A)	1,733	1,245,230
REGENXBIO, Inc. (A)	771	15,412
Relay Therapeutics, Inc. (A)	1,927	24,203
Reneo Pharmaceuticals, Inc. (A)	651	4,271
Replimune Group, Inc. (A)	778	18,065
REVOLUTION Medicines, Inc. (A)	1,395	37,316
Rhythm Pharmaceuticals, Inc. (A)	921	15,187
Rigel Pharmaceuticals, Inc. (A)	1,780	2,296
Rocket Pharmaceuticals, Inc. (A)	1,269	25,215
Sage Therapeutics, Inc. (A)	1,024	48,148
Sana Biotechnology, Inc. (A)	3,178	18,941
Sangamo Therapeutics, Inc. (A)	2,664	3,463
Sarepta Therapeutics, Inc. (A)	1,435	164,336
Savara, Inc. (A)	2,744	8,767
Scholar Rock Holding Corp. (A)	838	6,319
Seagen, Inc. (A)	3,030	583,154
Selecta Biosciences, Inc. (A)	2,132	2,388
SELLAS Life Sciences Group, Inc. (A)	418	656
Sensei Biotherapeutics, Inc. (A)	498	568
Senti Biosciences, Inc. (A)	532	332
Sera Prognostics, Inc., Class A (A)	414	1,364
Seres Therapeutics, Inc. (A)	2,022	9,685
Solid Biosciences, Inc. (A)	185	969

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Spectrum Pharmaceuticals, Inc. (A)	3,285	\$ 3,154
Spero Therapeutics, Inc. (A)	623	903
SpringWorks Therapeutics, Inc. (A)	998	26,168
Stoke Therapeutics, Inc. (A)	722	7,675
Summit Therapeutics, Inc. (A)	2,216	5,562
Sutro Biopharma, Inc. (A)	868	4,036
Syndax Pharmaceuticals, Inc. (A)	887	18,565
Synergy Pharmaceuticals, Inc. (A)(C)	6,230	18
Syros Pharmaceuticals, Inc. (A)	285	898
Talaris Therapeutics, Inc. (A)	937	2,848
Tango Therapeutics, Inc. (A)	1,408	4,675
Taysha Gene Therapies, Inc. (A)	1,015	671
Tenaya Therapeutics, Inc. (A)	1,121	6,580
TG Therapeutics, Inc. (A)	2,388	59,318
Tracoon Pharmaceuticals, Inc. (A)	1,275	371
Traverse Therapeutics, Inc. (A)	1,004	15,421
TScan Therapeutics, Inc. (A)	684	1,710
Twist Bioscience Corp. (A)	907	18,557
Tyra Biosciences, Inc. (A)	661	11,257
Ultragenyx Pharmaceutical, Inc. (A)	1,176	54,249
United Therapeutics Corp. (A)	746	164,680
UNITY Biotechnology, Inc. (A)	109	278
UroGen Pharma, Ltd. (A)	495	5,123
Vanda Pharmaceuticals, Inc. (A)	1,167	7,691
Vaxart, Inc. (A)	2,037	1,487
Vaxcyte, Inc. (A)	1,279	63,873
Vaxxinity, Inc., Class A (A)	2,459	6,197
Vera Therapeutics, Inc. (A)	551	8,844
Veracyte, Inc. (A)	1,160	29,545
Vericel Corp. (A)	832	31,258
Vertex Pharmaceuticals, Inc. (A)	4,168	1,466,761
Verve Therapeutics, Inc. (A)	968	18,150
Vigil Neuroscience, Inc. (A)	587	5,518
Viking Therapeutics, Inc. (A)	1,415	22,937
Vir Biotechnology, Inc. (A)	2,215	54,334
Viracta Therapeutics, Inc. (A)	1,210	1,706
Viridian Therapeutics, Inc. (A)	614	14,607
Vor BioPharma, Inc. (A)	854	2,639
Voyager Therapeutics, Inc. (A)	883	10,110
Werewolf Therapeutics, Inc. (A)	415	1,266
X4 Pharmaceuticals, Inc. (A)	2,053	3,983
XBiotech, Inc. (A)	761	4,520
Xencor, Inc. (A)	1,071	26,743
Xilio Therapeutics, Inc. (A)	1,088	2,851
XOMA Corp. (A)	228	4,307
Y-mAbs Therapeutics, Inc. (A)	853	5,792
Zentalis Pharmaceuticals, Inc. (A)	900	25,389
Zymeworks, Inc. (A)	272	2,350

Health care equipment and supplies – 2.7%

Abbott Laboratories	28,076	3,060,846
ABIOMED, Inc., CVR (A)(C)	788	12,230
Accuray, Inc. (A)	2,141	8,286
Align Technology, Inc. (A)	1,244	439,928
Alphatec Holdings, Inc. (A)	1,632	29,343
AngioDynamics, Inc. (A)	735	7,666
Apyx Medical Corp. (A)	740	3,722
Artivion, Inc. (A)	737	12,669
AtriCure, Inc. (A)	795	39,241
Atrion Corp.	32	18,102
Avanos Medical, Inc. (A)	804	20,550
Axogen, Inc. (A)	823	7,514
Axonics, Inc. (A)	764	38,559
Baxter International, Inc.	8,184	372,863
Becton, Dickinson and Company	4,552	1,201,774

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Beyond Air, Inc. (A)	409	\$ 1,742
BioSig Technologies, Inc. (A)	210	263
Bioventus, Inc., Class A (A)	978	2,826
Boston Scientific Corp. (A)	23,093	1,249,100
Butterfly Network, Inc. (A)(B)	2,633	6,056
Cerus Corp. (A)	3,177	7,815
ClearPoint Neuro, Inc. (A)	280	2,027
Co-Diagnostics, Inc. (A)	301	334
CONMED Corp.	512	69,576
Cue Health, Inc. (A)	2,236	825
Cutera, Inc. (A)	347	5,250
CVRx, Inc. (A)	285	4,400
CytoSorbents Corp. (A)	847	3,041
DarioHealth Corp. (A)	262	1,051
Delcath Systems, Inc. (A)	160	933
Dentsply Sirona, Inc.	3,486	139,510
DexCom, Inc. (A)	6,269	805,629
Eargo, Inc. (A)	77	380
Edwards Lifesciences Corp. (A)	9,857	929,811
Embecka Corp.	968	20,909
Enovis Corp. (A)	825	52,899
Envista Holdings Corp. (A)	2,659	89,981
Establishment Labs Holdings, Inc. (A)	425	29,159
Figs, Inc., Class A (A)	2,697	22,304
GE HealthCare Technologies, Inc.	7,338	596,139
Glaukos Corp. (A)	799	56,897
Globus Medical, Inc., Class A (A)	1,279	76,152
Haemonetics Corp. (A)	847	72,114
Hologic, Inc. (A)	3,975	321,856
ICU Medical, Inc. (A)	382	68,069
IDEXX Laboratories, Inc. (A)	1,341	673,490
Inari Medical, Inc. (A)	850	49,419
Inogen, Inc. (A)	441	5,094
Inspire Medical Systems, Inc. (A)	473	153,555
Insulet Corp. (A)	1,135	327,266
Integer Holdings Corp. (A)	553	49,001
Integra LifeSciences Holdings Corp. (A)	1,356	55,772
Intuitive Surgical, Inc. (A)	5,659	1,935,038
iRadimed Corp.	243	11,601
iRhythm Technologies, Inc. (A)	501	52,264
Lantheus Holdings, Inc. (A)	1,118	93,823
LeMaitre Vascular, Inc.	393	26,441
Masimo Corp. (A)	860	141,513
Medtronic PLC (B)	21,431	1,888,071
Merit Medical Systems, Inc. (A)	944	78,956
Neogen Corp. (A)	3,324	72,297
Neuronetics, Inc. (A)	550	1,183
NeuroPace, Inc. (A)	308	1,383
Nevro Corp. (A)	598	15,201
NuVasive, Inc. (A)	866	36,017
Omniceil, Inc. (A)	743	54,737
OraSure Technologies, Inc. (A)	1,347	6,748
Orchestra BioMed Holdings, Inc. (A)	265	1,855
Orthofix Medical, Inc. (A)	633	11,432
OrthoPediatrics Corp. (A)	364	15,961
Outset Medical, Inc. (A)	759	16,599
Paragon 28, Inc. (A)	1,105	19,603
Penumbra, Inc. (A)	619	212,973
Predictive Oncology, Inc. (A)	31	151
PROCEPT BioRobotics Corp. (A)	688	24,321
Pulmonx Corp. (A)	589	7,722
Pulse Biosciences, Inc. (A)	574	4,127
QuidelOrtho Corp. (A)	1,105	91,560
ResMed, Inc.	2,372	518,282
Retractable Technologies, Inc. (A)	238	274

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
RxSight, Inc. (A)	274	\$ 7,891
Sanara Medtech, Inc. (A)	43	1,724
Senseonics Holdings, Inc. (A)	7,349	5,608
Sensus Healthcare, Inc. (A)	133	419
Shockwave Medical, Inc. (A)	592	168,963
SI-BONE, Inc. (A)	650	17,537
Sight Sciences, Inc. (A)	750	6,210
Silk Road Medical, Inc. (A)	593	19,267
Sonendo, Inc. (A)	663	902
STAAR Surgical Company (A)	802	42,161
Stereotaxis, Inc. (A)	1,565	2,394
STERIS PLC	1,597	359,293
Stryker Corp.	6,115	1,865,625
Surmodics, Inc. (A)	278	8,704
Tactile Systems Technology, Inc. (A)	415	10,346
Tandem Diabetes Care, Inc. (A)	1,069	26,233
Tela Bio, Inc. (A)	217	2,198
Teleflex, Inc.	751	181,765
The Cooper Companies, Inc.	795	304,827
TransMedics Group, Inc. (A)	502	42,158
Treace Medical Concepts, Inc. (A)	822	21,027
UFP Technologies, Inc. (A)	86	16,671
Utah Medical Products, Inc.	74	6,897
Vapotherm, Inc. (A)	424	189
Varex Imaging Corp. (A)	707	16,664
Vicarious Surgical, Inc. (A)	1,697	3,106
ViewRay, Inc. (A)	2,694	949
Vivani Medical, Inc. (A)	781	945
VolitionRX, Ltd. (A)	126	175
Zimmer Biomet Holdings, Inc.	3,372	490,963
Zimvie, Inc. (A)	366	4,110
		20,199,992
Health care providers and services – 2.6%		
23andMe Holding Company, Class A (A)	2,887	5,052
Acadia Healthcare Company, Inc. (A)	1,502	119,619
Accolade, Inc. (A)	1,133	15,262
Aceto Corp. (A)(C)	853	0
AdaptHealth Corp. (A)	2,139	26,032
Addus HomeCare Corp. (A)	281	26,049
Agility, Inc. (A)	1,043	17,210
agilon health, Inc. (A)	6,679	115,814
AirSculpt Technologies, Inc. (B)	845	7,284
Alignment Healthcare, Inc. (A)	3,052	17,549
Amedisys, Inc. (A)	545	49,835
AmerisourceBergen Corp.	3,281	631,363
AMN Healthcare Services, Inc. (A)	695	75,838
Apollo Medical Holdings, Inc. (A)	958	30,273
Aveanna Healthcare Holdings, Inc. (A)	504	852
Biodesix, Inc. (A)	1,285	1,581
Brookdale Senior Living, Inc. (A)	3,457	14,589
Cano Health, Inc. (A)	2,329	3,237
Cardinal Health, Inc.	4,215	398,613
CareMax, Inc. (A)	1,340	4,167
Castle Biosciences, Inc. (A)	404	5,543
Centene Corp. (A)	8,930	602,329
Chemed Corp.	230	124,584
Clover Health Investments Corp. (A)	6,044	5,422
Community Health Systems, Inc. (A)	2,429	10,688
CorVel Corp. (A)	295	57,083
Cross Country Healthcare, Inc. (A)	655	18,392
CVS Health Corp.	20,644	1,427,120
DaVita, Inc. (A)	1,452	145,882
DocGo, Inc. (A)	1,512	14,167
Elevance Health, Inc.	3,824	1,698,965
Encompass Health Corp.	1,629	110,300

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Enhabit, Inc. (A)	900	\$ 10,350
Fulgent Genetics, Inc. (A)	470	17,404
Guardant Health, Inc. (A)	1,715	61,397
HCA Healthcare, Inc.	4,472	1,357,163
HealthEquity, Inc. (A)	1,395	88,080
Henry Schein, Inc. (A)	2,086	169,175
Hims & Hers Health, Inc. (A)	2,702	25,399
Humana, Inc.	2,020	903,203
InfuSystem Holdings, Inc. (A)	130	1,252
Innovage Holding Corp. (A)	1,986	14,895
Invitae Corp. (A)(B)	4,121	4,657
Laboratory Corp. of America Holdings	1,419	342,447
LifeStance Health Group, Inc. (A)	6,301	57,528
McKesson Corp.	2,210	944,355
ModivCare, Inc. (A)	241	10,896
Molina Healthcare, Inc. (A)	949	285,877
National HealthCare Corp.	278	17,186
National Research Corp.	430	18,709
NeoGenomics, Inc. (A)	2,205	35,434
Nutex Health, Inc. (A)	10,583	4,462
OPKO Health, Inc. (A)	12,549	27,231
Option Care Health, Inc. (A)	3,024	98,250
Owens & Minor, Inc. (A)	1,286	24,485
P3 Health Partners, Inc. (A)	434	1,298
Patterson Companies, Inc.	1,615	53,715
Pediatrix Medical Group, Inc. (A)	1,428	20,292
PetIQ, Inc. (A)	575	8,723
Premier, Inc., Class A	1,861	51,475
Privia Health Group, Inc. (A)	1,737	45,353
Progyny, Inc. (A)	1,553	61,095
Quest Diagnostics, Inc.	1,776	249,635
R1 RCM, Inc. (A)	6,807	125,589
RadNet, Inc. (A)	1,007	32,848
Select Medical Holdings Corp.	2,102	66,970
Surgery Partners, Inc. (A)	1,891	85,076
Tenet Healthcare Corp. (A)	1,675	136,312
The Cigna Group	4,792	1,344,635
The Ensign Group, Inc.	921	87,919
The Joint Corp. (A)	267	3,605
The Oncology Institute, Inc. (A)	1,147	631
The Pennant Group, Inc. (A)	570	7,000
UnitedHealth Group, Inc.	15,061	7,238,919
Universal Health Services, Inc., Class B	1,044	164,712
US Physical Therapy, Inc.	228	27,677
Viamed Healthcare, Inc. (A)	370	3,619
		20,117,627
Health care technology – 0.1%		
American Well Corp., Class A (A)	4,289	9,007
CareCloud, Inc. (A)	107	316
Certara, Inc. (A)	2,677	48,748
Computer Programs and Systems, Inc. (A)	291	7,185
Definitive Healthcare Corp. (A)	1,802	19,822
Doximity, Inc., Class A (A)	1,839	62,563
Evolent Health, Inc., Class A (A)	1,650	49,995
GoodRx Holdings, Inc., Class A (A)	945	5,216
Health Catalyst, Inc. (A)	805	10,063
HealthStream, Inc.	552	13,557
iCAD, Inc. (A)	132	215
MultiPlan Corp. (A)	10,977	23,161
NextGen Healthcare, Inc. (A)	1,192	19,334
Phreesia, Inc. (A)	831	25,769
Schrodinger, Inc. (A)	1,079	53,864
Sharecare, Inc. (A)	5,224	9,142
Simulations Plus, Inc.	363	15,729
Tabula Rasa HealthCare, Inc. (A)	474	3,911

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care technology (continued)		
Teladoc Health, Inc. (A)	2,711	\$ 68,643
Veeva Systems, Inc., Class A (A)	2,282	451,220
Veradigm, Inc. (A)	1,873	23,600
		921,060
Life sciences tools and services – 1.5%		
10X Genomics, Inc., Class A (A)	1,591	88,841
Adaptive Biotechnologies Corp. (A)	2,555	17,144
Agilent Technologies, Inc.	4,769	573,472
Akoya Biosciences, Inc. (A)	83	613
Alpha Teknova, Inc. (A)	360	961
Avantor, Inc. (A)	10,899	223,865
Azenta, Inc. (A)	1,203	56,156
BioLife Solutions, Inc. (A)	681	15,050
Bionano Genomics, Inc. (A)	5,115	3,120
Bio-Rad Laboratories, Inc., Class A (A)	399	151,269
Bio-Techne Corp.	2,559	208,891
Bruker Corp.	2,401	177,482
Charles River Laboratories International, Inc. (A)	839	176,400
Codexis, Inc. (A)	1,214	3,399
CryoPort, Inc. (A)	806	13,904
Cytek Biosciences, Inc. (A)	1,980	16,909
Danaher Corp.	11,771	2,825,040
Harvard Bioscience, Inc. (A)	430	2,361
ICON PLC (A)	1,327	332,015
Illumina, Inc. (A)	2,563	480,537
Inotiv, Inc. (A)	420	2,003
IQVIA Holdings, Inc. (A)	3,021	679,030
Maravai LifeSciences Holdings, Inc., Class A (A)	2,206	27,421
MaxCyte, Inc. (A)	54	248
Medpace Holdings, Inc. (A)	514	123,447
Mesa Laboratories, Inc.	96	12,336
Mettler-Toledo International, Inc. (A)	356	466,944
NanoString Technologies, Inc. (A)	769	3,114
Nautilus Biotechnology, Inc. (A)	1,576	6,099
OmniAb, Inc. (A)	1,514	7,615
OmniAb, Inc., \$12.50 Earnout Shares (A)(C)	117	0
OmniAb, Inc., \$15.00 Earnout Shares (A)(C)	117	0
Pacific Biosciences of California, Inc. (A)	3,737	49,702
Personalis, Inc. (A)	1,303	2,450
PhenomeX, Inc. (A)	1,103	540
Quanterix Corp. (A)	563	12,696
Quantum-Si, Inc. (A)	1,805	3,231
Repligen Corp. (A)	915	129,436
Revvity, Inc.	2,043	242,688
Seer, Inc. (A)	912	3,894
Singular Genomics Systems, Inc. (A)	1,117	927
SomaLogic, Inc. (A)	2,875	6,641
Sotera Health Company (A)	4,736	89,226
Standard BioTools, Inc. (A)	1,624	3,134
Syneos Health, Inc. (A)	1,709	72,017
Thermo Fisher Scientific, Inc.	6,214	3,242,155
Waters Corp. (A)	952	253,746
West Pharmaceutical Services, Inc.	1,201	459,346
		11,267,515
Pharmaceuticals – 3.6%		
9 Meters Biopharma, Inc. (A)	371	249
Acer Therapeutics, Inc. (A)	162	150
Aclaris Therapeutics, Inc. (A)	1,042	10,806
Alexza Pharmaceuticals, Inc. (A)(C)	2,067	72
Amneal Pharmaceuticals, Inc. (A)	3,150	9,765
Amphastar Pharmaceuticals, Inc. (A)	893	51,321

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Amylyx Pharmaceuticals, Inc. (A)	1,066	\$ 22,994
AN2 Therapeutics, Inc. (A)	304	2,584
ANI Pharmaceuticals, Inc. (A)	272	14,642
Aquestive Therapeutics, Inc. (A)	295	487
Arvinas, Inc. (A)	867	21,519
Assertio Holdings, Inc. (A)	507	2,748
Atea Pharmaceuticals, Inc. (A)	1,534	5,737
Athira Pharma, Inc. (A)	1,185	3,496
Axsome Therapeutics, Inc. (A)	668	48,002
Biote Corp., Class A (A)	50	338
Bright Green Corp. (A)	1,282	1,295
Bristol-Myers Squibb Company	33,944	2,170,719
Cara Therapeutics, Inc. (A)	906	2,564
Cassava Sciences, Inc. (A)(B)	678	16,625
Catalent, Inc. (A)	2,967	128,649
CinCor Pharma, Inc. (A)(C)	708	2,166
Citius Pharmaceuticals, Inc. (A)(B)	1,642	1,970
Cognition Therapeutics, Inc. (A)	866	1,585
Collegium Pharmaceutical, Inc. (A)	620	13,324
Corcept Therapeutics, Inc. (A)	1,839	40,918
CorMedix, Inc. (A)	487	1,931
CymaBay Therapeutics, Inc. (A)	1,028	11,257
DICE Therapeutics, Inc. (A)	238	11,057
Direct Corp. (A)	379	1,876
Edgewise Therapeutics, Inc. (A)	923	7,153
Elanco Animal Health, Inc. (A)	7,895	79,424
Eli Lilly & Company	15,350	7,198,843
Enliven Therapeutics, Inc. (A)	102	2,082
Esperion Therapeutics, Inc. (A)	1,411	1,961
Eton Pharmaceuticals, Inc. (A)	259	904
Evolus, Inc. (A)	1,113	8,092
Eyenovia, Inc. (A)	1,231	2,917
EyePoint Pharmaceuticals, Inc. (A)	585	5,090
Fulcrum Therapeutics, Inc. (A)	1,161	3,831
Harmony Biosciences Holdings, Inc. (A)	927	32,621
Harrow Health, Inc. (A)	535	10,186
Imara, Inc. (A)(C)	411	132
Innoviva, Inc. (A)	1,280	16,294
Intra-Cellular Therapies, Inc. (A)	1,529	96,816
Jazz Pharmaceuticals PLC (A)	1,023	126,821
Johnson & Johnson	41,946	6,942,902
Ligand Pharmaceuticals, Inc. (A)	308	22,207
Liquidia Corp. (A)	944	7,410
Longboard Pharmaceuticals, Inc. (A)	319	2,341
Lyra Therapeutics, Inc. (A)	554	2,277
Marinus Pharmaceuticals, Inc. (A)	749	8,134
Merck & Company, Inc.	41,030	4,734,452
Mind Medicine MindMed, Inc. (A)	624	2,228
MyMD Pharmaceuticals, Inc. (A)	848	1,272
Nektar Therapeutics (A)	3,478	2,001
NGM Biopharmaceuticals, Inc. (A)	1,448	3,750
Nuvation Bio, Inc. (A)	3,157	5,683
Ocular Therapeutix, Inc. (A)	1,256	6,481
Ocuphire Pharma, Inc. (A)	241	1,046
Omeros Corp. (A)	1,206	6,561
Opiant Pharmaceuticals, Inc. (A)(C)	87	57
Optinose, Inc. (A)	2,082	2,561
Oramed Pharmaceuticals, Inc. (A)	601	2,152
Organon & Company	3,979	82,803
Pacira BioSciences, Inc. (A)	796	31,896
Palisade Bio, Inc. (A)(C)	9,919	0
Paratek Pharmaceuticals, Inc. (A)	901	1,991
Perrigo Company PLC	2,188	74,283
Pfizer, Inc.	90,553	3,321,484
Phathom Pharmaceuticals, Inc. (A)	633	9,065

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Phibro Animal Health Corp., Class A	463	\$ 6,343
Pliant Therapeutics, Inc. (A)	781	14,152
Prestige Consumer Healthcare, Inc. (A)	755	44,870
Prevail Therapeutics, Inc. (A)(C)	788	1,516
ProPhase Labs, Inc. (A)	128	929
Rain Oncology, Inc. (A)	397	476
Rani Therapeutics Holdings, Inc., Class A (A)	594	2,447
Reata Pharmaceuticals, Inc., Class A (A)	543	55,364
Relmada Therapeutics, Inc. (A)	448	1,102
Revance Therapeutics, Inc. (A)	1,298	32,852
Reviva Pharmaceuticals Holdings, Inc. (A)	246	1,442
Royalty Pharma PLC, Class A	7,158	220,037
Scilex Holding Company (A)	1,615	8,996
scPharmaceuticals, Inc. (A)	492	5,013
SCYNEXIS, Inc. (A)	751	2,215
SIGA Technologies, Inc.	1,287	6,499
Structure Therapeutics, Inc., ADR (A)	160	6,651
Supernus Pharmaceuticals, Inc. (A)	932	28,016
Tarsus Pharmaceuticals, Inc. (A)	380	6,867
Terns Pharmaceuticals, Inc. (A)	585	5,119
TFF Pharmaceuticals, Inc. (A)	715	336
TherapeuticsMD, Inc. (A)	165	680
Theseus Pharmaceuticals, Inc. (A)	652	6,083
Third Harmonic Bio, Inc. (A)	270	1,299
Tilray Brands, Inc. (A)	9,449	14,740
Tobira Therapeutics, Inc. (A)(C)	609	0
Trevi Therapeutics, Inc. (A)	838	2,003
Ventyx Biosciences, Inc. (A)	911	29,881
Verrica Pharmaceuticals, Inc. (A)	866	4,997
Viatrix, Inc.	19,645	196,057
Xeris Biopharma Holdings, Inc. (A)	3,057	8,009
Zevra Therapeutics, Inc. (A)	290	1,479
Zoetis, Inc.	7,497	1,291,058
		<u>27,476,578</u>
		<u>98,295,057</u>
Industrials – 9.6%		
Aerospace and defense – 1.6%		
AAR Corp. (A)	646	37,313
Aerojet Rocketdyne Holdings, Inc. (A)	1,334	73,197
AeroVironment, Inc. (A)	442	45,208
AerSale Corp. (A)	752	11,054
Archer Aviation, Inc., Class A (A)	3,543	14,597
Astronics Corp. (A)	623	12,373
Axon Enterprise, Inc. (A)	1,177	229,656
BWX Technologies, Inc.	1,487	106,425
Byrna Technologies, Inc. (A)	79	396
Cadre Holdings, Inc.	486	10,595
Curtiss-Wright Corp.	627	115,155
Ducommun, Inc. (A)	264	11,502
General Dynamics Corp.	4,393	945,154
HEICO Corp.	886	156,769
HEICO Corp., Class A	1,335	187,701
Hexcel Corp.	1,407	106,960
Howmet Aerospace, Inc.	6,662	330,169
Huntington Ingalls Industries, Inc.	616	140,202
Kaman Corp.	551	13,406
Kratos Defense & Security Solutions, Inc. (A)	2,288	32,810
L3Harris Technologies, Inc.	3,063	599,644
Leonardo DRS, Inc. (A)	3,166	54,898
Lockheed Martin Corp.	4,098	1,886,637
Mercury Systems, Inc. (A)	964	33,345
Moog, Inc., Class A	507	54,974
National Presto Industries, Inc.	159	11,639

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Aerospace and defense (continued)		
Northrop Grumman Corp.	2,455	\$ 1,118,989
Park Aerospace Corp.	423	5,837
Parsons Corp. (A)	1,719	82,753
Raytheon Technologies Corp.	23,592	2,311,072
Redwire Corp. (A)	1,008	2,570
Rocket Lab USA, Inc. (A)	7,533	45,198
Spirit AeroSystems Holdings, Inc., Class A	1,758	51,316
Terran Orbital Corp. (A)	1,845	2,768
Textron, Inc.	3,303	223,382
The Boeing Company (A)	9,669	2,041,706
TransDigm Group, Inc.	881	787,764
Triumph Group, Inc. (A)	1,030	12,741
V2X, Inc. (A)	395	19,576
Virgin Galactic Holdings, Inc. (A)(B)	4,158	16,133
Woodward, Inc.	989	117,602
		<u>12,061,186</u>
Air freight and logistics – 0.5%		
Air T, Inc. (A)	8	201
Air Transport Services Group, Inc. (A)	1,275	24,059
CH Robinson Worldwide, Inc.	1,891	178,416
Expeditors International of Washington, Inc.	2,501	302,946
FedEx Corp.	4,072	1,009,449
Forward Air Corp.	458	48,598
GXO Logistics, Inc. (A)	1,949	122,436
Hub Group, Inc., Class A (A)	546	43,855
United Parcel Service, Inc., Class B	11,786	2,112,641
		<u>3,842,601</u>
Building products – 0.6%		
A.O. Smith Corp.	2,049	149,126
AAON, Inc.	910	86,277
Advanced Drainage Systems, Inc.	1,345	153,034
Allegion PLC	1,395	167,428
American Woodmark Corp. (A)	296	22,606
Apogee Enterprises, Inc.	449	21,314
Armstrong World Industries, Inc.	763	56,050
AZZ, Inc.	475	20,644
Builders FirstSource, Inc. (A)	2,269	308,584
Carlisle Companies, Inc.	805	206,507
Carrier Global Corp.	13,444	668,301
CSW Industrials, Inc.	278	46,201
Fortune Brands Innovations, Inc.	2,089	150,304
Gibraltar Industries, Inc. (A)	573	36,053
Griffon Corp.	992	39,978
Hayward Holdings, Inc. (A)	3,667	47,121
Insteel Industries, Inc.	385	11,981
Janus International Group, Inc. (A)	1,981	21,117
JELD-WEN Holding, Inc. (A)	1,496	26,240
Johnson Controls International PLC	11,057	753,424
Lennox International, Inc.	575	187,490
Masco Corp.	3,610	207,142
Masterbrand, Inc. (A)	2,215	25,760
Owens Corning	1,462	190,791
PGT Innovations, Inc. (A)	1,094	31,890
Quanex Building Products Corp.	554	14,875
Resideo Technologies, Inc. (A)	2,453	43,320
Simpson Manufacturing Company, Inc.	724	100,274
The AZEK Company, Inc. (A)	2,505	75,876
Trane Technologies PLC	3,675	702,881
Trex Company, Inc. (A)	1,837	120,434
UFP Industries, Inc.	1,020	98,991
View, Inc. (A)	3,390	411

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Building products (continued)		
Zurn Elkay Water Solutions Corp.	2,540	\$ 68,301
		4,860,726
Commercial services and supplies – 0.7%		
ABM Industries, Inc.	1,114	47,512
ACCO Brands Corp.	1,727	8,998
ACV Auctions, Inc., Class A (A)	1,990	34,367
Aris Water Solutions, Inc., Class A	321	3,313
Aurora Innovation, Inc. (A)	12,640	37,162
Brady Corp., Class A	813	38,674
BrightView Holdings, Inc. (A)	1,734	12,450
Casella Waste Systems, Inc., Class A (A)	868	78,511
CECO Environmental Corp. (A)	691	9,232
Cimpress PLC (A)	284	16,892
Cintas Corp.	1,641	815,708
Civeo Corp. (A)	151	2,941
Clean Harbors, Inc. (A)	897	147,494
Copart, Inc. (A)	7,686	701,040
CoreCivic, Inc. (A)	2,098	19,742
Deluxe Corp.	765	13,372
Driven Brands Holdings, Inc. (A)	2,702	73,116
Ennis, Inc.	447	9,110
Enviri Corp. (A)	1,442	14,233
Healthcare Services Group, Inc.	1,315	19,633
Heritage-Crystal Clean, Inc. (A)	453	17,119
HNI Corp.	821	23,136
Interface, Inc.	1,138	10,003
Liquidity Services, Inc. (A)	635	10,478
Matthews International Corp., Class A	551	23,484
MillerKnoll, Inc.	1,294	19,125
Montrose Environmental Group, Inc. (A)	455	19,165
MSA Safety, Inc.	647	112,552
NL Industries, Inc.	1,028	5,685
OPENLANE, Inc. (A)	1,993	30,333
Performant Financial Corp. (A)	662	1,787
Pitney Bowes, Inc.	3,034	10,740
Quad/Graphics, Inc. (A)	985	3,704
Quest Resource Holding Corp. (A)	138	900
Republic Services, Inc.	5,065	775,806
Rollins, Inc.	7,982	341,869
SP Plus Corp. (A)	371	14,510
Steelcase, Inc., Class A	1,640	12,644
Stericycle, Inc. (A)	1,551	72,028
Tetra Tech, Inc.	873	142,945
The Brink's Company	790	53,586
The GEO Group, Inc. (A)	2,079	14,886
UniFirst Corp.	249	38,597
Viad Corp. (A)	380	10,214
VSE Corp.	270	14,766
Waste Management, Inc.	6,550	1,135,901
		5,019,463
Construction and engineering – 0.3%		
AECOM	2,240	189,706
Ameresco, Inc., Class A (A)	584	28,400
API Group Corp. (A)	3,703	100,944
Arcosa, Inc.	836	63,344
Argan, Inc.	313	12,335
Bowman Consulting Group, Ltd. (A)	110	3,507
Comfort Systems USA, Inc.	610	100,162
Concrete Pumping Holdings, Inc. (A)	615	4,938
Construction Partners, Inc., Class A (A)	756	23,731
Dycom Industries, Inc. (A)	494	56,143
EMCOR Group, Inc.	780	144,128
Fluor Corp. (A)	2,369	70,122
Granite Construction, Inc.	774	30,790
Great Lakes Dredge & Dock Corp. (A)	1,412	11,522

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
IES Holdings, Inc. (A)	429	\$ 24,402
Innovate Corp. (A)	1,028	1,799
Limbach Holdings, Inc. (A)	117	2,893
MasTec, Inc. (A)	1,285	151,591
Matrix Service Company (A)	663	3,905
MDU Resources Group, Inc.	3,261	68,285
MYR Group, Inc. (A)	310	42,885
Northwest Pipe Company (A)	240	7,258
Primoris Services Corp.	1,003	30,561
Quanta Services, Inc.	2,344	460,479
Sterling Infrastructure, Inc. (A)	579	32,308
Tutor Perini Corp. (A)	1,033	7,386
Valmont Industries, Inc.	334	97,211
WillScot Mobile Mini Holdings Corp. (A)	3,453	165,019
		1,935,754
Electrical equipment – 0.7%		
Acuity Brands, Inc.	522	85,128
Allied Motion Technologies, Inc.	303	12,102
American Superconductor Corp. (A)	626	3,919
AMETEK, Inc.	3,696	598,308
Amprion Technologies, Inc. (A)	347	2,491
Array Technologies, Inc. (A)	2,420	54,692
Atkore, Inc. (A)	653	101,829
Babcock & Wilcox Enterprises, Inc. (A)	1,297	7,652
Beam Global (A)	31	321
Blink Charging Company (A)(B)	824	4,936
Bloom Energy Corp., Class A (A)	2,933	47,955
Capstone Green Energy Corp. (A)	503	604
ChargePoint Holdings, Inc. (A)(B)	5,450	47,906
Eaton Corp. PLC	6,401	1,287,241
Emerson Electric Company	9,192	830,865
Encore Wire Corp.	319	59,312
Energy Vault Holdings, Inc. (A)	2,063	5,632
EnerSys	698	75,747
Enovix Corp. (A)(B)	2,531	45,659
Eos Energy Enterprises, Inc. (A)	1,147	4,978
ESS Tech, Inc. (A)	2,241	3,294
Fluence Energy, Inc. (A)	1,920	51,149
Flux Power Holdings, Inc. (A)	105	453
FTC Solar, Inc. (A)	1,558	5,017
FuelCell Energy, Inc. (A)	6,492	14,023
Generac Holdings, Inc. (A)	1,029	153,455
GrafTech International, Ltd.	4,159	20,961
Hubbell, Inc.	867	287,463
Ideal Power, Inc. (A)	47	555
KULR Technology Group, Inc. (A)	1,492	955
LSI Industries, Inc.	323	4,057
NEXTracker, Inc., Class A (A)	413	16,442
NuScale Power Corp. (A)	825	5,610
nVent Electric PLC	2,720	140,542
Plug Power, Inc. (A)(B)	9,539	99,110
Powell Industries, Inc.	245	14,845
Preformed Line Products Company	95	14,830
Regal Rexnord Corp.	1,090	167,751
Rockwell Automation, Inc.	1,858	612,118
Sensata Technologies Holding PLC	2,476	111,395
SES AI Corp. (A)	4,593	11,207
Shoals Technologies Group, Inc., Class A (A)	1,878	48,002
SKYX Platforms Corp. (A)	662	1,761
Stem, Inc. (A)	2,447	13,997
SunPower Corp. (A)	2,885	28,273
Sunrun, Inc. (A)	3,514	62,760
Sunworks, Inc. (A)	718	811
Thermon Group Holdings, Inc. (A)	624	16,598

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
TPI Composites, Inc. (A)	773	\$ 8,016
Verviv Holdings Company	6,050	149,859
Vicor Corp. (A)	554	29,916
		5,372,502
Ground transportation – 1.0%		
ArcBest Corp.	422	41,694
Avis Budget Group, Inc. (A)	642	146,806
Covenant Logistics Group, Inc.	203	8,897
CSX Corp.	33,259	1,134,132
Daseke, Inc. (A)	1,184	8,442
FTAI Infrastructure, Inc.	1,753	6,469
Heartland Express, Inc.	1,446	23,729
Hertz Global Holdings, Inc. (A)	5,240	96,364
JB Hunt Transport Services, Inc.	1,682	304,492
Knight-Swift Transportation Holdings, Inc.	2,626	145,901
Landstar System, Inc.	521	100,313
Lyft, Inc., Class A (A)	5,711	54,768
Marten Transport, Ltd.	1,419	30,509
Norfolk Southern Corp.	3,657	829,261
Old Dominion Freight Line, Inc.	1,786	660,374
PAM Transportation Services, Inc. (A)	403	10,788
RXO, Inc. (A)	1,938	43,934
Ryder System, Inc.	742	62,914
Saia, Inc. (A)	439	150,318
Schneider National, Inc., Class B	1,620	46,526
TuSimple Holdings, Inc., Class A (A)	3,576	5,936
U.S. Xpress Enterprises, Inc., Class A (A)	172	1,056
Uber Technologies, Inc. (A)	32,269	1,393,053
U-Haul Holding Company	326	18,034
U-Haul Holding Company, Series N	2,763	140,001
Union Pacific Corp.	9,864	2,018,372
Universal Logistics Holdings, Inc.	464	13,368
Werner Enterprises, Inc.	858	37,906
XPO, Inc. (A)	1,907	112,513
Yellow Corp. (A)	875	603
		7,647,473
Industrial conglomerates – 0.7%		
3M Company	8,815	882,293
General Electric Company	17,617	1,935,227
Honeywell International, Inc.	10,761	2,232,908
		5,050,428
Machinery – 1.9%		
3D Systems Corp. (A)	2,231	22,154
AGCO Corp.	1,191	156,521
Alamo Group, Inc.	213	39,173
Albany International Corp., Class A	524	48,879
Allison Transmission Holdings, Inc.	1,320	74,527
Astec Industries, Inc.	412	18,721
Barnes Group, Inc.	889	37,507
Berkshire Grey, Inc. (A)	1,928	2,718
Blue Bird Corp. (A)	93	2,091
Caterpillar, Inc.	8,317	2,046,398
Chart Industries, Inc. (A)	609	97,312
CIRCOR International, Inc. (A)	400	22,580
Columbus McKinnon Corp.	532	21,626
Commercial Vehicle Group, Inc. (A)	752	8,347
Crane Company	950	84,664
Crane NXT Company	950	53,618
Cummins, Inc.	2,257	553,326
Deere & Company	4,772	1,933,567
Desktop Metal, Inc., Class A (A)(B)	4,586	8,117
Donaldson Company, Inc.	1,989	124,332
Douglas Dynamics, Inc.	425	12,699
Dover Corp.	2,207	325,864

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Energy Recovery, Inc. (A)	1,056	\$ 29,515
Enerpac Tool Group Corp.	1,011	27,297
EnPro Industries, Inc.	363	48,471
Esab Corp.	892	59,354
ESCO Technologies, Inc.	443	45,908
Federal Signal Corp.	1,034	66,207
Flowserve Corp.	2,207	81,990
Fortive Corp.	5,689	425,367
Franklin Electric Company, Inc.	783	80,571
Gates Industrial Corp. PLC (A)	4,677	63,046
Gencor Industries, Inc. (A)	339	5,282
Graco, Inc.	2,737	236,340
Graham Corp. (A)	310	4,117
Helios Technologies, Inc.	569	37,605
Hillenbrand, Inc.	1,194	61,228
Hillman Solutions Corp. (A)	2,839	25,579
Hurco Companies, Inc.	183	3,962
Hydrofarm Holdings Group, Inc. (A)	633	495
Hyllion Holdings Corp. (A)	2,439	4,073
Hyster-Yale Materials Handling, Inc.	272	15,188
Hyzon Motors, Inc. (A)	3,912	3,750
IDEX Corp.	1,112	239,369
Illinois Tool Works, Inc.	4,896	1,224,783
Ingersoll Rand, Inc.	6,659	435,232
ITT, Inc.	1,343	125,181
John Bean Technologies Corp.	542	65,745
Kadant, Inc.	210	46,641
Kennametal, Inc.	1,405	39,888
LB Foster Company, Class A (A)	298	4,255
Lincoln Electric Holdings, Inc.	847	168,240
Lindsay Corp.	190	22,675
Mayville Engineering Company, Inc. (A)	441	5,495
Microvast Holdings, Inc. (A)(B)	5,831	9,330
Miller Industries, Inc.	293	10,393
Mueller Industries, Inc.	832	72,617
Mueller Water Products, Inc., Class A	2,820	45,769
Nikola Corp. (A)(B)	7,765	10,716
NN, Inc. (A)	766	1,831
Nordson Corp.	841	208,719
Omega Flex, Inc.	199	20,652
Oshkosh Corp.	1,051	91,006
Otis Worldwide Corp.	6,715	597,702
PACCAR, Inc.	8,435	705,588
Parker-Hannifin Corp.	2,061	803,872
Park-Ohio Holdings Corp.	316	6,004
Proterra, Inc. (A)	2,867	3,440
Proto Labs, Inc. (A)	501	17,515
RBC Bearings, Inc. (A)	483	105,038
REV Group, Inc.	1,120	14,851
Snap-on, Inc.	835	240,639
SPX Technologies, Inc. (A)	785	66,701
Standex International Corp.	223	31,548
Stanley Black & Decker, Inc.	2,446	229,215
Symbotic, Inc. (A)(B)	872	37,330
Tennant Company	359	29,118
Terex Corp.	1,130	67,608
The Gorman-Rupp Company	562	16,202
The Greenbrier Companies, Inc.	566	24,395
The Manitowoc Company, Inc. (A)	748	14,085
The Middleby Corp. (A)	872	128,908
The Shyft Group, Inc.	664	14,648
The Timken Company	1,188	108,738
The Toro Company	1,675	170,264
Titan International, Inc. (A)	1,133	13,007
Trinity Industries, Inc.	1,368	35,171

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Twin Disc, Inc. (A)	63	\$ 709
Urban-Gro, Inc. (A)	326	385
Velo3D, Inc. (A)	2,999	6,478
Wabash National Corp.	849	21,768
Wabtec Corp.	2,952	323,746
Watts Water Technologies, Inc., Class A	461	84,700
Xylem, Inc.	3,864	435,164
		14,223,160
Marine transportation – 0.0%		
Eagle Bulk Shipping, Inc.	242	11,626
Kirby Corp. (A)	1,000	76,950
Matson, Inc.	621	48,270
		136,846
Passenger airlines – 0.2%		
Alaska Air Group, Inc. (A)	2,028	107,849
Allegiant Travel Company (A)	324	40,915
American Airlines Group, Inc. (A)	10,509	188,531
Blade Air Mobility, Inc. (A)	670	2,640
Delta Air Lines, Inc. (A)	10,329	491,041
Frontier Group Holdings, Inc. (A)	3,341	32,307
Hawaiian Holdings, Inc. (A)	993	10,695
JetBlue Airways Corp. (A)	5,595	49,572
Joby Aviation, Inc. (A)(B)	10,208	104,734
Mesa Air Group, Inc. (A)	734	1,872
SkyWest, Inc. (A)	997	40,598
Southwest Airlines Company	9,541	345,480
Spirit Airlines, Inc.	1,571	26,958
Sun Country Airlines Holdings, Inc. (A)	754	16,950
United Airlines Holdings, Inc. (A)	5,225	286,696
Wheels Up Experience, Inc. (A)	347	406
		1,747,244
Professional services – 1.0%		
Alight, Inc., Class A (A)	7,207	66,593
ASGN, Inc. (A)	823	62,243
Asure Software, Inc. (A)	122	1,484
Automatic Data Processing, Inc.	6,676	1,467,318
Barrett Business Services, Inc.	138	12,034
BlackSky Technology, Inc. (A)	1,620	3,596
Booz Allen Hamilton Holding Corp.	2,108	235,253
Broadridge Financial Solutions, Inc.	1,903	315,194
CACI International, Inc., Class A (A)	337	114,863
CBIZ, Inc. (A)	893	47,579
Ceridian HCM Holding, Inc. (A)	2,524	169,032
Concentrix Corp.	847	68,395
Conduent, Inc. (A)	3,930	13,362
CoStar Group, Inc. (A)	6,498	578,322
CRA International, Inc.	128	13,056
CSG Systems International, Inc.	542	28,585
DLH Holdings Corp. (A)	8	82
Dun & Bradstreet Holdings, Inc.	7,238	83,744
Equifax, Inc.	1,971	463,776
EXL Service Holdings, Inc. (A)	546	82,479
Exponent, Inc.	844	78,762
First Advantage Corp. (A)	2,298	35,412
FiscalNote Holdings, Inc. (A)	1,892	6,887
Forrester Research, Inc. (A)	350	10,182
Franklin Covey Company (A)	263	11,488
FTI Consulting, Inc. (A)	525	99,855
Genpact, Ltd.	2,921	109,742
Heidrick & Struggles International, Inc.	391	10,350
HireQuest, Inc.	58	1,510
HireRight Holdings Corp. (A)	1,195	13,515
Huron Consulting Group, Inc. (A)	355	30,143
IBEX Holdings, Ltd. (A)	196	4,161

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
ICF International, Inc.	314	\$ 39,058
Innodata, Inc. (A)	187	2,119
Insperty, Inc.	634	75,421
Jacobs Solutions, Inc.	2,056	244,438
KBR, Inc.	2,268	147,556
Kelly Services, Inc., Class A	696	12,257
Kforce, Inc.	374	23,435
Korn Ferry	900	44,586
Legalzoom.com, Inc. (A)	3,194	38,584
Leidos Holdings, Inc.	2,171	192,090
ManpowerGroup, Inc.	822	65,267
Maximus, Inc.	1,004	84,848
Mistras Group, Inc. (A)	754	5,821
Paychex, Inc.	5,770	645,490
Paycom Software, Inc.	984	316,100
Paycor HCM, Inc. (A)	2,922	69,164
Paylocity Holding Corp. (A)	910	167,922
Planet Labs PBC (A)	3,837	12,355
RCM Technologies, Inc. (A)	29	534
Red Violet, Inc. (A)	179	3,682
Resources Connection, Inc.	615	9,662
Robert Half International, Inc.	1,753	131,861
Science Applications International Corp.	855	96,170
Skillsoft Corp. (A)	2,271	2,816
Spire Global, Inc. (A)	2,065	1,063
SS&C Technologies Holdings, Inc.	4,051	245,491
StarTek, Inc. (A)	653	1,907
Sterling Check Corp. (A)	1,501	18,402
TaskUS, Inc., Class A (A)	505	5,717
TransUnion	3,144	246,270
TriNet Group, Inc. (A)	992	94,210
TrueBlue, Inc. (A)	614	10,874
TTEC Holdings, Inc.	804	27,207
Upwork, Inc. (A)	2,209	20,632
Verisk Analytics, Inc.	2,505	566,205
Verra Mobility Corp. (A)	2,598	51,233
Willdan Group, Inc. (A)	264	5,058
		7,964,502
Trading companies and distributors – 0.4%		
Air Lease Corp.	1,729	72,359
Alta Equipment Group, Inc.	306	5,303
Applied Industrial Technologies, Inc.	635	91,967
Beacon Roofing Supply, Inc. (A)	1,079	89,535
BlueLinX Holdings, Inc. (A)	113	10,597
Boise Cascade Company	662	59,812
Core & Main, Inc., Class A (A)	2,900	90,886
Custom Truck One Source, Inc. (A)	1,299	8,755
Distribution Solutions Group, Inc. (A)	270	14,056
DXP Enterprises, Inc. (A)	379	13,799
EVI Industries, Inc. (A)	239	5,258
Fastenal Company	9,163	540,525
FTAI Aviation, Ltd.	999	31,628
GATX Corp.	566	72,867
Global Industrial, Inc.	669	18,578
GMS, Inc. (A)	735	50,862
H&E Equipment Services, Inc.	629	28,777
Herc Holdings, Inc.	492	67,330
Hudson Technologies, Inc. (A)	536	5,156
Karat Packaging, Inc.	141	2,573
McGrath RentCorp	425	39,304
MRC Global, Inc. (A)	1,509	15,196
MSC Industrial Direct Company, Inc., Class A	705	67,172
NOW, Inc. (A)	1,992	20,637
Rush Enterprises, Inc., Class A	727	44,158

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
SiteOne Landscape Supply, Inc. (A)	749	\$ 125,353
Textainer Group Holdings, Ltd.	762	30,008
Titan Machinery, Inc. (A)	402	11,859
United Rentals, Inc.	1,120	498,814
Univar Solutions, Inc. (A)	2,636	94,474
Veritiv Corp.	241	30,272
W.W. Grainger, Inc.	814	641,912
Watsco, Inc.	541	206,375
WESCO International, Inc.	840	150,410
Willis Lease Finance Corp. (A)	25	978
Xometry, Inc., Class A (A)	675	14,297
		3,271,842
		73,133,727
Information technology – 25.7%		
Communications equipment – 0.8%		
ADTRAN Holdings, Inc.	1,059	11,151
Applied Optoelectronics, Inc. (A)	524	3,123
Arista Networks, Inc. (A)	4,965	804,628
Aviat Networks, Inc. (A)	36	1,201
CalAmp Corp. (A)	804	852
Calix, Inc. (A)	1,082	54,003
Cambium Networks Corp. (A)	513	7,808
Casa Systems, Inc. (A)	1,938	2,364
Ciena Corp. (A)	2,413	102,528
Cisco Systems, Inc.	66,225	3,426,482
Clearfield, Inc. (A)	239	11,317
CommScope Holding Company, Inc. (A)	3,501	19,711
Comtech Telecommunications Corp.	548	5,009
Digi International, Inc. (A)	613	24,146
DZS, Inc. (A)	566	2,247
Extreme Networks, Inc. (A)	2,202	57,362
F5, Inc. (A)	971	142,018
Harmonic, Inc. (A)	1,827	29,543
Infinera Corp. (A)	3,517	16,987
Inseego Corp. (A)	1,798	1,157
Juniper Networks, Inc.	5,200	162,916
KVH Industries, Inc. (A)	504	4,607
Lantronix, Inc. (A)	337	1,419
Lumentum Holdings, Inc. (A)	1,134	64,332
Motorola Solutions, Inc.	2,682	786,577
NETGEAR, Inc. (A)	540	7,646
NetScout Systems, Inc. (A)	1,205	37,295
Powerwave Technologies, Inc. (A)(C)	912	0
Ribbon Communications, Inc. (A)	2,627	7,329
Viasat, Inc. (A)	1,275	52,607
Viavi Solutions, Inc. (A)	3,860	43,734
		5,892,099
Electronic equipment, instruments and components – 0.7%		
908 Devices, Inc. (A)	445	3,053
Advanced Energy Industries, Inc.	629	70,102
Aeva Technologies, Inc. (A)	3,059	3,824
Akoustis Technologies, Inc. (A)	872	2,773
Amphenol Corp., Class A	9,579	813,736
Arlo Technologies, Inc. (A)	1,497	16,332
Arrow Electronics, Inc. (A)	937	134,207
Avnet, Inc.	1,539	77,643
Badger Meter, Inc.	491	72,452
Bel Fuse, Inc., Class B	224	12,860
Belden, Inc.	729	69,729
Benchmark Electronics, Inc.	648	16,738
CDW Corp.	2,192	402,232
Cepton, Inc. (A)	2,308	1,119
Cognex Corp.	2,845	159,377
Coherent Corp. (A)	2,173	110,780

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Corning, Inc.	13,632	\$ 477,665
CTS Corp.	560	23,873
Daktronics, Inc. (A)	1,227	7,853
ePlus, Inc. (A)	342	19,255
Evolv Technologies Holdings, Inc. (A)	2,210	13,260
FARO Technologies, Inc. (A)	367	5,945
Flex, Ltd. (A)	7,332	202,656
Identiv, Inc. (A)	146	1,228
Insight Enterprises, Inc. (A)	564	82,536
IPG Photonics Corp. (A)	774	105,125
Iteris, Inc. (A)	1,032	4,087
Itron, Inc. (A)	770	55,517
Jabil, Inc.	2,170	234,208
Keysight Technologies, Inc. (A)	2,880	482,256
Kimball Electronics, Inc. (A)	462	12,765
Knowles Corp. (A)	1,589	28,697
Lightwave Logic, Inc. (A)(B)	991	6,907
Littelfuse, Inc.	406	118,272
Luna Innovations, Inc. (A)	333	3,037
Methode Electronics, Inc.	649	21,754
MicroVision, Inc. (A)(B)	2,624	12,018
Mirion Technologies, Inc. (A)	2,986	25,232
Napco Security Technologies, Inc.	650	22,523
National Instruments Corp.	2,148	123,295
Netlist, Inc. (A)	656	2,342
nLight, Inc. (A)	848	13,076
Novanta, Inc. (A)	593	109,171
OSI Systems, Inc. (A)	287	33,817
Ouster, Inc. (A)	537	2,653
PAR Technology Corp. (A)	404	13,304
PC Connection, Inc.	492	22,189
Plexus Corp. (A)	440	43,226
Powerfleet, Inc. (A)	304	912
Presto Automation, Inc. (A)	414	2,161
Richardson Electronics, Ltd.	77	1,271
Rogers Corp. (A)	310	50,198
Sanmina Corp. (A)	855	51,531
ScanSource, Inc. (A)	460	13,598
SmartRent, Inc. (A)	2,850	10,916
TD SYNEX Corp.	1,563	146,922
Teledyne Technologies, Inc. (A)	767	315,321
Tingo Group, Inc. (A)	2,134	2,582
Trimble, Inc. (A)	4,027	213,189
TTM Technologies, Inc. (A)	1,778	24,714
Vishay Intertechnology, Inc.	2,027	59,594
Vishay Precision Group, Inc. (A)	247	9,176
Vontier Corp.	2,563	82,554
Wrap Technologies, Inc. (A)	210	307
Zebra Technologies Corp., Class A (A)	838	247,906
		5,529,551
IT services – 1.3%		
Accenture PLC, Class A	10,618	3,276,502
Akamai Technologies, Inc. (A)	2,531	227,461
Amdocs, Ltd.	1,900	187,815
Backblaze, Inc., Class A (A)	179	775
BigCommerce Holdings, Inc., Series 1 (A)	1,168	11,622
Brightcove, Inc. (A)	902	3,617
Cloudflare, Inc., Class A (A)	4,654	304,232
Cognizant Technology Solutions Corp., Class A	8,156	532,424
Cyxtera Technologies, Inc. (A)	2,849	81
DigitalOcean Holdings, Inc. (A)	1,622	65,107
DXC Technology Company (A)	3,794	101,376
Edgio, Inc. (A)	3,318	2,236

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
EPAM Systems, Inc. (A)	939	\$ 211,040
Fastly, Inc., Class A (A)	1,995	31,461
Gartner, Inc. (A)	1,276	446,996
GoDaddy, Inc., Class A (A)	2,506	188,276
Grid Dynamics Holdings, Inc. (A)	1,067	9,870
IBM Corp.	14,525	1,943,590
Information Services Group, Inc.	1,038	5,564
Kyndryl Holdings, Inc. (A)	3,641	48,352
MongoDB, Inc. (A)	1,119	459,898
Okta, Inc. (A)	2,498	173,236
Perficient, Inc. (A)	584	48,665
Rackspace Technology, Inc. (A)	3,379	9,191
Snowflake, Inc., Class A (A)	5,225	919,496
Squarespace, Inc., Class A (A)	1,525	48,099
The Glimpse Group, Inc. (A)	48	171
The Hackett Group, Inc.	589	13,164
Thoughtworks Holding, Inc. (A)	5,068	38,263
Twilio, Inc., Class A (A)	2,857	181,762
Unisys Corp. (A)	1,317	5,242
VeriSign, Inc. (A)	1,685	380,759
		9,876,343
Semiconductors and semiconductor equipment – 6.2%		
ACM Research, Inc., Class A (A)	1,003	13,119
Advanced Micro Devices, Inc. (A)	26,043	2,966,558
Aehr Test Systems (A)	421	17,366
Allegro MicroSystems, Inc. (A)	3,168	143,004
Alpha & Omega Semiconductor, Ltd. (A)	487	15,974
Ambarella, Inc. (A)	642	53,716
Amkor Technology, Inc.	4,019	119,565
Analog Devices, Inc.	8,176	1,592,767
Applied Materials, Inc.	13,605	1,966,467
Atomera, Inc. (A)	385	3,376
Axcelis Technologies, Inc. (A)	550	100,832
AXT, Inc. (A)	287	987
Broadcom, Inc.	6,741	5,847,346
CEVA, Inc. (A)	442	11,293
Cirrus Logic, Inc. (A)	781	63,269
Cohu, Inc. (A)	842	34,994
Credo Technology Group Holding, Ltd. (A)	1,437	24,918
Diodes, Inc. (A)	757	70,015
Enphase Energy, Inc. (A)	2,217	371,303
Entegris, Inc.	2,431	269,403
Everspin Technologies, Inc. (A)	78	718
First Solar, Inc. (A)	1,735	329,806
FormFactor, Inc. (A)	1,299	44,452
GlobalFoundries, Inc. (A)(B)	8,854	571,791
Ichor Holdings, Ltd. (A)	384	14,400
Impinj, Inc. (A)	423	37,922
Indie Semiconductor, Inc., Class A (A)	1,150	10,810
Intel Corp.	66,812	2,234,193
KLA Corp.	2,227	1,080,140
Kopin Corp. (A)	1,136	2,442
Kulicke & Soffa Industries, Inc.	961	57,131
Lam Research Corp.	2,177	1,399,506
Lattice Semiconductor Corp. (A)	2,248	215,965
MACOM Technology Solutions Holdings, Inc. (A)	1,158	75,884
Marvell Technology, Inc.	13,844	827,594
MaxLinear, Inc. (A)	1,322	41,722
Meta Materials, Inc. (A)	5,869	1,263
Microchip Technology, Inc.	8,843	792,244
Micron Technology, Inc.	17,604	1,110,988
MKS Instruments, Inc.	1,042	112,640
Monolithic Power Systems, Inc.	764	412,736
Navitas Semiconductor Corp. (A)	1,917	20,205

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
NVE Corp.	86	\$ 8,380
NVIDIA Corp.	39,725	16,804,470
ON Semiconductor Corp. (A)	7,001	662,155
Onto Innovation, Inc. (A)	832	96,903
PDF Solutions, Inc. (A)	654	29,495
Photronics, Inc. (A)	1,065	27,466
Pixelworks, Inc. (A)	598	1,035
Power Integrations, Inc.	950	89,937
Qorvo, Inc. (A)	1,616	164,880
Qualcomm, Inc.	18,058	2,149,624
Rambus, Inc. (A)	1,809	116,084
Semtech Corp. (A)	1,046	26,631
Silicon Laboratories, Inc. (A)	544	85,811
SiTime Corp. (A)	340	40,110
SkyWater Technology, Inc. (A)	651	6,132
Skyworks Solutions, Inc.	2,558	283,145
SMART Global Holdings, Inc. (A)	881	25,558
Synaptics, Inc. (A)	659	56,265
Teradyne, Inc.	2,542	283,001
Texas Instruments, Inc.	14,582	2,625,052
Ultra Clean Holdings, Inc. (A)	780	29,999
Universal Display Corp.	788	113,574
Veeco Instruments, Inc. (A)	900	23,112
Wolfspeed, Inc. (A)	2,039	113,348
		46,942,991
Software – 9.9%		
8x8, Inc. (A)	2,080	8,798
A10 Networks, Inc.	1,300	18,967
ACI Worldwide, Inc. (A)	1,879	43,536
Adeia, Inc.	1,869	20,578
Adobe, Inc. (A)	7,399	3,618,037
Agilysys, Inc. (A)	424	29,103
Alarm.com Holdings, Inc. (A)	836	43,204
Alkami Technology, Inc. (A)	1,353	22,176
Altair Engineering, Inc., Class A (A)	892	67,649
Alteryx, Inc., Class A (A)	1,007	45,718
American Software, Inc., Class A	618	6,495
Amplitude, Inc., Class A (A)	1,146	12,606
ANSYS, Inc. (A)	1,410	465,681
Appfolio, Inc., Class A (A)	342	58,872
Appian Corp., Class A (A)	703	33,463
Applied Digital Corp. (A)	1,358	12,697
AppLovin Corp., Class A (A)	4,863	125,125
Arteris, Inc. (A)	256	1,746
Asana, Inc., Class A (A)	2,165	47,717
Aspen Technology, Inc. (A)	1,065	178,505
Atlassian Corp., Class A (A)	2,440	409,456
Autodesk, Inc. (A)	3,501	716,340
AvePoint, Inc. (A)	2,600	14,976
Bentley Systems, Inc., Class B	4,577	248,211
BILL Holdings, Inc. (A)	1,708	199,580
Bit Digital, Inc. (A)(B)	1,535	6,232
Black Knight, Inc. (A)	2,534	151,356
Blackbaud, Inc. (A)	885	62,994
Blackline, Inc. (A)	994	53,497
Blend Labs, Inc., Class A (A)	3,398	3,219
Box, Inc., Class A (A)	2,356	69,219
Braze, Inc., Class A (A)	895	39,192
c3.ai, Inc., Class A (A)(B)	1,819	66,266
Cadence Design Systems, Inc. (A)	4,416	1,035,640
CCC Intelligent Solutions Holdings, Inc. (A)	9,972	111,786
Cerence, Inc. (A)	696	20,344
Cipher Mining, Inc. (A)(B)	3,422	9,787
CleanSpark, Inc. (A)	1,249	5,358

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Clear Secure, Inc., Class A	1,377	\$ 31,905
Clearwater Analytics Holdings, Inc., Class A (A)	1,001	15,886
CommVault Systems, Inc. (A)	745	54,102
Confluent, Inc., Class A (A)	2,348	82,908
Consensus Cloud Solutions, Inc. (A)	297	9,207
CoreCard Corp. (A)	182	4,616
Couchbase, Inc. (A)	674	10,663
CrowdStrike Holdings, Inc., Class A (A)	3,529	518,304
CS Disco, Inc. (A)	897	7,373
Datadog, Inc., Class A (A)	4,779	470,158
Digimarc Corp. (A)	294	8,655
Digital Turbine, Inc. (A)	1,591	14,764
DocuSign, Inc. (A)	3,306	168,904
Dolby Laboratories, Inc., Class A	965	80,751
Domo, Inc., Class B (A)	570	8,356
DoubleVerify Holdings, Inc. (A)	2,579	100,375
Dropbox, Inc., Class A (A)	4,530	120,815
Dynatrace, Inc. (A)	4,719	242,887
E2open Parent Holdings, Inc. (A)	4,487	25,127
Ebix, Inc.	450	11,340
eGain Corp. (A)	659	4,936
Elastic NV (A)	1,554	99,642
Embark Technology, Inc. (A)	485	1,387
Enfusion, Inc., Class A (A)	730	8,191
EngageSmart, Inc. (A)	2,600	49,634
Envestnet, Inc. (A)	921	54,661
Everbridge, Inc. (A)	671	18,050
EverCommerce, Inc. (A)	342	4,049
Expensify, Inc., Class A (A)	980	7,820
Fair Isaac Corp. (A)	407	329,348
Five9, Inc. (A)	1,163	95,889
ForgeRock, Inc., Class A (A)	808	16,596
Fortinet, Inc. (A)	12,669	957,650
Freshworks, Inc., Class A (A)	2,458	43,212
Gen Digital, Inc.	10,061	186,632
Gitlab, Inc., Class A (A)	1,439	73,547
Guidewire Software, Inc. (A)	1,368	104,077
HashiCorp, Inc., Class A (A)	1,258	32,934
HubSpot, Inc. (A)	790	420,351
Informatica, Inc., Class A (A)	3,953	73,131
Instructure Holdings, Inc. (A)	2,180	54,849
Intapp, Inc. (A)	971	40,695
InterDigital, Inc.	505	48,758
Intuit, Inc.	4,549	2,084,306
Jamf Holding Corp. (A)	1,836	35,839
JFrog, Ltd. (A)	1,675	46,398
Kaltura, Inc. (A)	1,498	3,176
LivePerson, Inc. (A)	1,279	5,781
LiveRamp Holdings, Inc. (A)	1,144	32,673
LiveVox Holdings, Inc. (A)	1,193	3,281
Manhattan Associates, Inc. (A)	1,030	205,876
Marathon Digital Holdings, Inc. (A)	1,897	26,292
Matterport, Inc. (A)	4,431	13,958
Mawson Infrastructure Group, Inc. (A)	254	480
MeridianLink, Inc. (A)	1,186	24,669
Microsoft Corp.	120,114	40,903,622
MicroStrategy, Inc., Class A (A)	157	53,760
Mitek Systems, Inc. (A)	858	9,301
Model N, Inc. (A)	632	22,348
N-able, Inc. (A)	3,105	44,743
nCino, Inc. (A)	1,764	53,132
NCR Corp. (A)	2,282	57,506
New Relic, Inc. (A)	1,119	73,227
NextNav, Inc. (A)	1,543	4,536

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Nutanix, Inc., Class A (A)	3,704	\$ 103,897
Olo, Inc., Class A (A)	1,803	11,647
ON24, Inc.	546	4,434
OneSpan, Inc. (A)	743	11,026
Oracle Corp.	43,512	5,181,844
PagerDuty, Inc. (A)	1,505	33,832
Palantir Technologies, Inc., Class A (A)	32,261	494,561
Palo Alto Networks, Inc. (A)	4,908	1,254,043
Pegasystems, Inc.	1,377	67,886
Porch Group, Inc. (A)	1,606	2,216
PowerSchool Holdings, Inc., Class A (A)	2,696	51,601
Procore Technologies, Inc. (A)	2,210	143,805
Progress Software Corp.	725	42,123
PROS Holdings, Inc. (A)	783	24,116
PTC, Inc. (A)	1,916	272,647
Q2 Holdings, Inc. (A)	981	30,313
Qualys, Inc. (A)	620	80,085
Quantum Computing, Inc. (A)	834	984
Rapid7, Inc. (A)	989	44,782
Rekor Systems, Inc. (A)	1,043	1,857
Rimini Street, Inc. (A)	1,519	7,276
RingCentral, Inc., Class A (A)	1,429	46,771
Riot Platforms, Inc. (A)	2,577	30,460
Roper Technologies, Inc.	1,704	819,283
Rubicon Technologies, Inc. (A)	541	200
Salesforce, Inc. (A)	16,157	3,413,328
Samsara, Inc., Class A (A)	1,922	53,259
SecureWorks Corp., Class A (A)	542	3,919
SEMrush Holdings, Inc., Class A (A)	848	8,115
SentinelOne, Inc., Class A (A)	3,431	51,808
ServiceNow, Inc. (A)	3,290	1,848,881
Smartsheet, Inc., Class A (A)	2,165	82,833
Smith Micro Software, Inc. (A)	417	463
SolarWinds Corp. (A)	2,802	28,749
SoundHound AI, Inc., Class A (A)	853	3,881
SoundThinking, Inc. (A)	239	5,225
Splunk, Inc. (A)	2,677	284,003
Sprinklr, Inc., Class A (A)	2,024	27,992
Sprout Social, Inc., Class A (A)	784	36,189
SPS Commerce, Inc. (A)	594	114,084
Synopsys, Inc. (A)	2,451	1,067,190
Telos Corp. (A)	1,050	2,688
Tenable Holdings, Inc. (A)	1,864	81,177
Teradata Corp. (A)	1,675	89,462
TeraWulf, Inc. (A)	2,656	4,648
Tyler Technologies, Inc. (A)	680	283,200
UiPath, Inc., Class A (A)	7,709	127,738
Unity Software, Inc. (A)	6,161	267,511
Upland Software, Inc. (A)	553	1,991
Varonis Systems, Inc. (A)	1,852	49,356
Verint Systems, Inc. (A)	1,108	38,846
Veritone, Inc. (A)	504	1,976
Vertex, Inc., Class A (A)	864	16,848
Viant Technology, Inc., Class A (A)	646	2,978
VirnetX Holding Corp.	1,593	741
VMware, Inc., Class A (A)	6,839	982,696
Weave Communications, Inc. (A)	969	10,766
Workday, Inc., Class A (A)	3,283	741,597
Workiva, Inc. (A)	808	82,141
Xperi, Inc. (A)	833	10,954
Yext, Inc. (A)	2,165	24,486
Zeta Global Holdings Corp., Class A (A)	2,922	24,954
Zoom Video Communications, Inc., Class A (A)	4,009	272,131
Zscaler, Inc. (A)	2,333	341,318

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Zuora, Inc., Class A (A)	2,245	\$ 24,628
		75,778,604
Technology hardware, storage and peripherals – 6.8%		
Apple, Inc.	255,096	49,480,970
Avid Technology, Inc. (A)	804	20,502
Corsair Gaming, Inc. (A)	1,483	26,308
CPI Card Group, Inc. (A)	153	3,557
Dell Technologies, Inc., Class C	3,929	212,598
Diebold Nixdorf, Inc. (A)	790	42
Eastman Kodak Company (A)	845	3,904
Hewlett Packard Enterprise Company	20,589	345,895
HP, Inc.	15,802	485,279
Immersion Corp. (A)	731	5,175
Intevac, Inc. (A)	711	2,666
IonQ, Inc. (A)	3,046	41,212
NetApp, Inc.	3,482	266,025
Pure Storage, Inc., Class A (A)	4,903	180,528
Seagate Technology Holdings PLC	3,331	206,089
Stratsys, Ltd. (A)	282	5,008
Super Micro Computer, Inc. (A)	872	217,346
Turtle Beach Corp. (A)	214	2,493
Western Digital Corp. (A)	5,196	197,084
Xerox Holdings Corp.	2,690	40,054
		51,742,735
		195,762,323
Materials – 2.7%		
Chemicals – 1.7%		
AdvanSix, Inc.	524	18,330
Air Products & Chemicals, Inc.	3,580	1,072,317
Albemarle Corp.	1,902	424,317
American Vanguard Corp.	632	11,294
Amyris, Inc. (A)	5,405	5,567
Ashland, Inc.	880	76,481
Aspen Aerogels, Inc. (A)	612	4,829
Avient Corp.	1,554	63,559
Axalta Coating Systems, Ltd. (A)	3,648	119,691
Balchem Corp.	457	61,608
Cabot Corp.	964	64,482
Celanese Corp.	1,702	197,092
CF Industries Holdings, Inc.	3,173	220,270
Chase Corp.	194	23,517
Core Molding Technologies, Inc. (A)	20	455
Corteva, Inc.	11,499	658,893
CVR Nitrogen LP (A)(C)	1,086	195
Danimer Scientific, Inc. (A)	1,518	3,613
Diversey Holdings, Ltd. (A)	4,875	40,901
Dow, Inc.	11,319	602,850
DuPont de Nemours, Inc.	7,979	570,020
Eastman Chemical Company	1,881	157,477
Ecolab, Inc.	4,568	852,800
Ecovyst, Inc. (A)	2,468	28,283
Element Solutions, Inc.	3,435	65,952
Flotek Industries, Inc. (A)	921	676
FMC Corp.	1,993	207,950
FutureFuel Corp.	986	8,726
Ginkgo Bioworks Holdings, Inc. (A)(B)	22,649	42,127
Hawkins, Inc.	415	19,791
HB Fuller Company	899	64,287
Huntsman Corp.	3,124	84,410
Ingevity Corp. (A)	659	38,327
Innospec, Inc.	397	39,875
International Flavors & Fragrances, Inc.	4,152	330,458
Intrepid Potash, Inc. (A)	154	3,494
Koppers Holdings, Inc.	390	13,299

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Kronos Worldwide, Inc.	722	\$ 6,303
Linde PLC	7,932	3,022,727
Livent Corp. (A)	2,960	81,193
LSB Industries, Inc. (A)	1,275	12,559
LyondellBasell Industries NV, Class A	5,182	475,863
Mativ Holdings, Inc.	986	14,908
Minerals Technologies, Inc.	469	27,057
NewMarket Corp.	118	47,450
Olin Corp.	2,166	111,311
Origin Materials, Inc. (A)	1,904	8,111
PPG Industries, Inc.	3,780	560,574
PureCycle Technologies, Inc. (A)(B)	2,459	26,287
Quaker Chemical Corp.	311	60,614
Rayonier Advanced Materials, Inc. (A)	1,194	5,110
RPM International, Inc.	2,026	181,793
Sensient Technologies Corp.	716	50,929
Stepan Company	227	21,692
The Chemours Company	2,430	89,643
The Mosaic Company	5,461	191,135
The Scotts Miracle-Gro Company	934	58,552
The Sherwin-Williams Company	4,156	1,103,501
Trinseo PLC	506	6,411
Tronox Holdings PLC	372	4,728
Valhi, Inc.	518	6,656
Westlake Chemical Partners LP	369	8,004
Westlake Corp.	2,073	247,661
		12,628,985
Construction materials – 0.2%		
Eagle Materials, Inc.	600	111,852
Knife River Corp. (A)	815	35,453
Martin Marietta Materials, Inc.	984	454,303
Summit Materials, Inc., Class A (A)	2,073	78,463
United States Lime & Minerals, Inc.	114	23,813
Vulcan Materials Company	2,081	469,141
		1,173,025
Containers and packaging – 0.2%		
AptarGroup, Inc.	916	106,128
Avery Dennison Corp.	1,287	221,107
Ball Corp.	5,036	293,146
Berry Global Group, Inc.	1,928	124,048
Crown Holdings, Inc.	1,952	169,570
Graphic Packaging Holding Company	4,990	119,910
Greif, Inc., Class A	508	34,996
International Paper Company	5,573	177,277
Myers Industries, Inc.	710	13,795
O-I Glass, Inc. (A)	2,563	54,669
Packaging Corp. of America	1,426	188,460
Pactiv Evergreen, Inc.	2,656	20,106
Ranpak Holdings Corp. (A)	1,215	5,492
Sealed Air Corp.	2,299	91,960
Silgan Holdings, Inc.	1,565	73,383
Sonoco Products Company	1,488	87,822
TriMas Corp.	806	22,157
Westrock Company	4,088	118,838
		1,922,864
Metals and mining – 0.6%		
5E Advanced Materials, Inc. (A)	637	2,089
Alcoa Corp.	2,938	99,686
Alpha Metallurgical Resources, Inc.	256	42,076
Arconic Corp. (A)	1,745	51,617
ATI, Inc. (A)	2,184	96,598
Atlas Lithium Corp. (A)	54	1,157
Carpenter Technology Corp.	853	47,879
Century Aluminum Company (A)	1,672	14,580

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Cleveland-Cliffs, Inc. (A)	8,469	\$ 141,940
Coeur Mining, Inc. (A)	4,942	14,035
Commercial Metals Company	1,876	98,790
Compass Minerals International, Inc.	664	22,576
Dakota Gold Corp. (A)	1,069	3,121
Freeport-McMoRan, Inc.	23,121	924,840
Gatos Silver, Inc. (A)	1,095	4,139
Haynes International, Inc.	261	13,264
Hecla Mining Company	9,827	50,609
Kaiser Aluminum Corp.	289	20,704
Materion Corp.	365	41,683
MP Materials Corp. (A)	2,977	68,114
Newmont Corp. (B)	12,880	549,461
Nucor Corp.	4,079	668,874
Olympic Steel, Inc.	262	12,838
Pan American Silver Corp., CVR (A)	7,232	3,689
Piedmont Lithium, Inc. (A)	286	16,505
Ramaco Resources, Inc. (A)	575	4,853
Ramaco Resources, Inc., Class B (A)	115	1,220
Reliance Steel & Aluminum Company	910	247,147
Royal Gold, Inc.	1,062	121,896
Ryerson Holding Corp.	653	28,327
Schmitzer Steel Industries, Inc., Class A	532	15,955
Southern Copper Corp.	12,462	894,024
Steel Dynamics, Inc.	2,774	302,172
SunCoke Energy, Inc.	1,558	12,261
TimkenSteel Corp. (A)	841	18,140
Tredegar Corp.	821	5,476
U.S. Steel Corp.	3,684	92,137
US Gold Corp. (A)	143	636
Warrior Met Coal, Inc.	849	33,069
Worthington Industries, Inc.	793	55,090
		4,843,267
Paper and forest products – 0.0%		
Clearwater Paper Corp. (A)	317	9,928
Glatfelter Corp. (A)	999	3,017
Louisiana-Pacific Corp.	1,181	88,551
Sylvamo Corp.	673	27,223
		128,719
		20,696,860
Real estate – 2.8%		
Diversified REITs – 0.1%		
Alexander & Baldwin, Inc.	1,411	26,216
American Assets Trust, Inc.	1,151	22,099
Armada Hoffer Properties, Inc.	1,229	14,355
Broadstone Net Lease, Inc.	2,365	36,516
Empire State Realty Trust, Inc., Class A	2,981	22,328
Essential Properties Realty Trust, Inc.	1,951	45,927
Gladstone Commercial Corp.	793	9,809
Global Net Lease, Inc.	1,926	19,799
One Liberty Properties, Inc.	547	11,115
Star Holdings (A)	189	2,773
WP Carey, Inc.	3,216	217,273
		428,210
Health care REITs – 0.2%		
CareTrust REIT, Inc.	1,737	34,497
Community Healthcare Trust, Inc.	472	15,585
Global Medical REIT, Inc.	854	7,797
Healthcare Realty Trust, Inc.	6,370	120,138
Healthpeak Properties, Inc.	9,008	181,061
LTC Properties, Inc.	749	24,732
Medical Properties Trust, Inc.	10,043	92,998
National Health Investors, Inc.	787	41,255
Omega Healthcare Investors, Inc.	3,924	120,428

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care REITs (continued)		
Physicians Realty Trust	3,981	\$ 55,694
Sabra Health Care REIT, Inc.	4,102	48,281
Universal Health Realty Income Trust	293	13,941
Ventas, Inc.	6,506	307,539
Welltower, Inc.	7,629	617,110
		1,681,056
Hotel and resort REITs – 0.1%		
Apple Hospitality REIT, Inc.	3,995	60,364
Ashford Hospitality Trust, Inc. (A)	444	1,656
Braemar Hotels & Resorts, Inc.	978	3,932
Chatham Lodging Trust	1,043	9,762
DiamondRock Hospitality Company	3,725	29,837
Hersha Hospitality Trust, Class A	852	5,189
Host Hotels & Resorts, Inc.	11,886	200,041
Park Hotels & Resorts, Inc.	3,834	49,152
Pebblebrook Hotel Trust	2,310	32,201
RLJ Lodging Trust	2,896	29,742
Ryman Hospitality Properties, Inc.	930	86,416
Service Properties Trust	3,030	26,331
Summit Hotel Properties, Inc.	2,173	14,146
Sunstone Hotel Investors, Inc.	3,688	37,323
Xenia Hotels & Resorts, Inc.	2,067	25,445
		611,537
Industrial REITs – 0.3%		
Americold Realty Trust, Inc.	4,289	138,535
EastGroup Properties, Inc.	741	128,638
First Industrial Realty Trust, Inc.	2,253	118,598
Industrial Logistics Properties Trust	1,490	4,917
Innovative Industrial Properties, Inc.	441	32,197
LXP Industrial Trust	4,958	48,341
Plymouth Industrial REIT, Inc.	458	10,543
Prologis, Inc.	15,060	1,846,808
Rexford Industrial Realty, Inc.	2,608	136,190
STAG Industrial, Inc.	2,912	104,483
Terreno Realty Corp.	1,329	79,873
		2,649,123
Office REITs – 0.1%		
Alexandria Real Estate Equities, Inc.	2,515	285,427
Boston Properties, Inc.	2,594	149,388
Brandywine Realty Trust	3,382	15,726
Corporate Office Properties Trust	2,009	47,714
Cousins Properties, Inc.	2,664	60,739
Douglas Emmett, Inc.	2,995	37,647
Easterly Government Properties, Inc.	1,561	22,635
Equity Commonwealth	885	17,930
Franklin Street Properties Corp.	2,261	3,278
Highwoods Properties, Inc.	1,854	44,329
Hudson Pacific Properties, Inc.	2,615	11,035
JBG SMITH Properties	2,054	30,892
Kilroy Realty Corp.	2,018	60,722
New York REIT Liquidating LLC (A)(C)	457	2,859
Office Properties Income Trust	1,104	8,501
Orion Office REIT, Inc.	983	6,498
Paramount Group, Inc.	4,071	18,035
Piedmont Office Realty Trust, Inc., Class A	2,477	18,008
SL Green Realty Corp.	769	23,108
Vornado Realty Trust	3,256	59,064
		923,535
Real estate management and development – 0.2%		
Anywhere Real Estate, Inc. (A)	1,533	10,240
CBRE Group, Inc., Class A (A)	5,011	404,438
Compass, Inc., Class A (A)	6,964	24,374
DigitalBridge Group, Inc.	2,569	37,790

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
Douglas Elliman, Inc.	1,475	\$ 3,275
eXp World Holdings, Inc. (B)	2,650	53,742
Fathom Holdings, Inc. (A)	284	2,028
Five Point Holdings LLC, Class A (A)	2,087	6,031
Forestar Group, Inc. (A)	999	22,527
FRP Holdings, Inc. (A)	226	13,011
Jones Lang LaSalle, Inc. (A)	813	126,665
Kennedy-Wilson Holdings, Inc.	2,252	36,775
Marcus & Millichap, Inc.	708	22,309
Newmark Group, Inc., Class A	2,923	18,181
Opendoor Technologies, Inc. (A)	10,757	43,243
Rafael Holdings, Inc., Class B (A)	347	725
RE/MAX Holdings, Inc., Class A	374	7,203
Redfin Corp. (A)	1,922	23,871
Seritage Growth Properties, Class A (A)	866	7,725
Tejon Ranch Company (A)	577	9,930
The Howard Hughes Corp. (A)	851	67,161
The RMR Group, Inc., Class A	311	7,206
The St. Joe Company	1,041	50,322
WeWork, Inc., Class A (A)(B)	11,121	2,840
Zillow Group, Inc., Class A (A)	45	2,214
Zillow Group, Inc., Class C (A)	3,624	182,142
		1,185,968
Residential REITs – 0.4%		
American Homes 4 Rent, Class A	5,853	207,489
Apartment Income REIT Corp.	2,626	94,772
Apartment Investment and Management Company, Class A	2,711	23,098
AvalonBay Communities, Inc.	2,283	432,103
Bluerock Homes Trust, Inc. (A)	85	1,372
BRT Apartments Corp.	385	7,623
Camden Property Trust	1,551	168,857
Centerspace	226	13,867
Elme Communities	1,645	27,044
Equity LifeStyle Properties, Inc.	2,967	198,463
Equity Residential	6,203	409,212
Essex Property Trust, Inc.	961	225,162
Independence Realty Trust, Inc.	3,277	59,707
Invitation Homes, Inc.	10,123	348,231
Mid-America Apartment Communities, Inc.	1,807	274,411
NexPoint Residential Trust, Inc.	480	21,830
Sun Communities, Inc.	1,906	248,657
UDR, Inc.	5,225	224,466
UMH Properties, Inc.	958	15,309
Veris Residential, Inc. (A)	1,641	26,338
		3,028,011
Retail REITs – 0.4%		
Acadia Realty Trust	1,812	26,075
Agree Realty Corp.	1,193	78,010
Alexander's, Inc.	105	19,305
Brixmor Property Group, Inc.	5,029	110,638
CBL & Associates Properties, Inc.	347	7,648
Federal Realty Investment Trust	1,354	131,027
Getty Realty Corp.	881	29,795
Kimco Realty Corp.	10,305	203,215
Kite Realty Group Trust	3,726	83,239
Necessity Retail REIT, Inc.	2,393	16,177
NETSTREIT Corp.	495	8,846
NNN REIT, Inc.	3,009	128,755
Phillips Edison & Company, Inc.	1,540	52,483
Realty Income Corp.	10,736	641,905
Regency Centers Corp.	2,885	178,206
Retail Opportunity Investments Corp.	2,320	31,343
RPT Realty	1,545	16,145
Saul Centers, Inc.	490	18,047

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Retail REITs (continued)		
Simon Property Group, Inc.	5,311	\$ 613,314
SITE Centers Corp.	3,696	48,861
Spirit Realty Capital, Inc.	2,024	79,705
Tanger Factory Outlet Centers, Inc.	1,832	40,432
The Macerich Company	3,280	36,966
Urban Edge Properties	2,162	33,360
Urstadt Biddle Properties, Inc., Class A	787	16,732
Whitestone REIT	991	9,613
		2,659,842
Specialized REITs – 1.0%		
American Tower Corp.	7,573	1,468,708
Crown Castle, Inc.	7,038	801,910
CubeSmart	3,744	167,207
Digital Realty Trust, Inc.	4,744	540,199
EPR Properties	1,307	61,168
Equinix, Inc.	1,499	1,175,126
Extra Space Storage, Inc.	2,193	326,428
Farmland Partners, Inc.	930	11,355
Four Corners Property Trust, Inc.	1,453	36,906
Gaming and Leisure Properties, Inc.	4,293	208,039
Gladstone Land Corp.	706	11,487
Iron Mountain, Inc.	4,801	272,793
Lamar Advertising Company, Class A	1,479	146,791
Life Storage, Inc.	1,345	178,831
National Storage Affiliates Trust	1,277	44,478
Outfront Media, Inc.	2,732	42,947
PotlatchDeltic Corp.	1,431	75,628
Public Storage	2,871	837,987
Rayonier, Inc.	2,536	79,630
Safehold, Inc.	1,263	29,971
SBA Communications Corp.	1,765	409,056
Uniti Group, Inc.	4,136	19,108
VICI Properties, Inc.	15,179	477,076
Weyerhaeuser Company	12,163	407,582
		7,830,411
		20,997,693
Utilities – 2.3%		
Electric utilities – 1.4%		
ALLETE, Inc.	971	56,289
Alliant Energy Corp.	3,580	187,878
American Electric Power Company, Inc.	8,274	696,671
Avangrid, Inc.	5,981	225,364
Constellation Energy Corp.	5,375	492,081
Duke Energy Corp.	12,388	1,111,699
Edison International	6,196	430,312
Energy Corp.	3,343	325,508
Eversource Energy	3,738	218,374
Exelon Corp.	15,981	651,066
FirstEnergy Corp.	9,240	359,251
Genie Energy, Ltd., B Shares	616	8,710
Hawaiian Electric Industries, Inc.	1,834	66,391
IDACORP, Inc.	843	86,492
MGE Energy, Inc.	651	51,501
NextEra Energy, Inc.	32,245	2,392,579
NRG Energy, Inc.	3,719	139,053
OGE Energy Corp.	3,263	117,174
Otter Tail Corp.	715	56,456
PG&E Corp. (A)	32,528	562,084
Pinnacle West Capital Corp.	1,796	146,302
PNM Resources, Inc.	1,428	64,403
Portland General Electric Company	1,498	70,151
PPL Corp.	12,047	318,764
The Southern Company	17,583	1,235,206

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
Via Renewables, Inc.	126	\$ 877
Xcel Energy, Inc.	8,814	547,966
		11,015,258
Gas utilities – 0.1%		
Atmos Energy Corp.	2,179	253,505
Chesapeake Utilities Corp.	310	36,890
National Fuel Gas Company	1,476	75,807
New Jersey Resources Corp.	1,632	77,030
Northwest Natural Holding Company	625	26,906
ONE Gas, Inc.	913	70,128
RGC Resources, Inc.	228	4,567
Southwest Gas Holdings, Inc.	848	53,975
Spire, Inc.	874	55,447
Star Group LP	919	12,554
UGI Corp.	3,247	87,572
		754,381
Independent power and renewable electricity producers – 0.1%		
Altus Power, Inc. (A)	2,340	12,636
Brookfield Renewable Corp., Class A	100	3,152
Clearway Energy, Inc., Class A	1,122	30,294
Clearway Energy, Inc., Class C	974	27,817
Montauk Renewables, Inc. (A)	2,220	16,517
Ormat Technologies, Inc.	934	75,150
Sunnova Energy International, Inc. (A)(B)	1,925	35,247
The AES Corp.	10,972	227,450
Vistra Corp.	6,402	168,053
		596,316
Multi-utilities – 0.6%		
Ameren Corp.	4,112	335,827
Avista Corp.	1,244	48,852
Black Hills Corp.	1,090	65,683
CenterPoint Energy, Inc.	10,277	299,575
CMS Energy Corp.	4,685	275,244
Consolidated Edison, Inc.	5,716	516,726
Dominion Energy, Inc.	13,417	694,866
DTE Energy Company	3,181	349,974
NiSource, Inc.	6,676	182,589
NorthWestern Corp.	961	54,546
Public Service Enterprise Group, Inc.	8,142	509,771
Sempra Energy	5,060	736,685
Unitil Corp.	316	16,024
WEC Energy Group, Inc.	5,060	446,494
		4,532,856
Water utilities – 0.1%		
American States Water Company	629	54,723
American Water Works Company, Inc.	2,908	415,117
Artesian Resources Corp., Class A	193	9,113
Cadiz, Inc. (A)	752	3,053
California Water Service Group	934	48,222
Essential Utilities, Inc.	3,844	153,414
Global Water Resources, Inc.	595	7,545
Middlesex Water Company	324	26,134
Pure Cycle Corp. (A)	615	6,765

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	21	Long	Sep 2023	\$1,993,534	\$1,998,885	\$5,351

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Water utilities (continued)		
SJW Group	527	\$ 36,948
The York Water Company	308	12,711
		773,745
		17,672,556
TOTAL COMMON STOCKS (Cost \$331,960,873)		\$ 746,285,944
PREFERRED SECURITIES – 0.0%		
Consumer discretionary – 0.0%		
Broadline retail – 0.0%		
Qurata Retail, Inc., 8.000%	260	9,755
Industrials – 0.0%		
Industrial conglomerates – 0.0%		
Steel Partners Holdings LP, 6.000%	510	11,883
TOTAL PREFERRED SECURITIES (Cost \$82,033)		\$ 21,638
WARRANTS – 0.0%		
Chord Energy Corp. (Expiration Date: 11-19-24; Strike Price: \$90.57) (A)		
	31	2,454
Denbury, Inc. (Expiration Date: 9-18-23; Strike Price: \$35.41) (A)		
	23	1,220
Nabors Industries, Ltd. (Expiration Date: 6-11-26; Strike Price: \$166.67) (A)		
	77	886
Tidewater, Inc., Class A (Expiration Date: 7-31-23; Strike Price: \$57.06) (A)		
	66	77
Tidewater, Inc., Class B (Expiration Date: 7-31-23; Strike Price: \$62.28) (A)		
	71	14
Triumph Group, Inc. (Expiration Date: 12-5-27; Strike Price: \$12.35) (A)		
	309	25
TOTAL WARRANTS (Cost \$120,153)		\$ 4,676
SHORT-TERM INVESTMENTS – 2.4%		
Short-term funds – 2.4%		
John Hancock Collateral Trust, 5.1773% (D)(E)		
	1,842,578	18,416,202
TOTAL SHORT-TERM INVESTMENTS (Cost \$18,419,969)		\$ 18,416,202
Total Investments (Total Stock Market Index Trust) (Cost \$350,583,028) – 100.5%		\$ 764,728,460
Other assets and liabilities, net – (0.5%)		(3,763,331)
TOTAL NET ASSETS – 100.0%		\$ 760,965,129

Security Abbreviations and Legend

ADR	American Depositary Receipt
CVR	Contingent Value Right
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(D)	The rate shown is the annualized seven-day yield as of 6-30-23.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$5,191,608.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2023 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

FUTURES (continued)

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P 500 E-Mini Index Futures	59	Long	Sep 2023	12,843,841	13,240,337	\$396,496
						\$401,847

[^] Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

See Notes to financial statements regarding investment transactions and other derivatives information.