

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

500 Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.4%		
Communication services – 8.4%		
Diversified telecommunication services – 0.7%		
AT&T, Inc.	1,501,923	\$ 25,202,268
Verizon Communications, Inc.	882,862	33,283,897
		58,486,165
Entertainment – 1.2%		
Electronic Arts, Inc.	51,664	7,068,152
Live Nation Entertainment, Inc. (A)	28,643	2,680,985
Netflix, Inc. (A)	91,947	44,767,155
Take-Two Interactive Software, Inc. (A)	33,229	5,348,208
The Walt Disney Company	384,593	34,724,902
Warner Brothers Discovery, Inc. (A)	468,020	5,326,068
		99,915,470
Interactive media and services – 5.6%		
Alphabet, Inc., Class A (A)	1,242,818	173,609,246
Alphabet, Inc., Class C (A)	1,046,155	147,434,624
Match Group, Inc. (A)	57,048	2,082,252
Meta Platforms, Inc., Class A (A)	466,174	165,006,949
		488,133,071
Media – 0.7%		
Charter Communications, Inc., Class A (A)	21,252	8,260,227
Comcast Corp., Class A	844,198	37,018,082
Fox Corp., Class A	49,917	1,481,037
Fox Corp., Class B	28,364	784,265
News Corp., Class A	77,739	1,908,492
News Corp., Class B	24,074	619,183
Omnicom Group, Inc.	42,313	3,660,498
Paramount Global, Class B	101,798	1,505,592
The Interpublic Group of Companies, Inc.	78,829	2,572,979
		57,810,355
Wireless telecommunication services – 0.2%		
T-Mobile US, Inc.	106,809	17,124,687
		721,469,748
Consumer discretionary – 10.6%		
Automobile components – 0.1%		
Aptiv PLC (A)	60,360	5,415,499
BorgWarner, Inc.	47,743	1,711,587
		7,127,086
Automobiles – 1.9%		
Ford Motor Company	825,999	10,068,928
General Motors Company	288,018	10,345,607
Tesla, Inc. (A)	580,844	144,328,117
		164,742,652
Broadline retail – 3.5%		
Amazon.com, Inc. (A)	1,909,882	290,187,471
eBay, Inc.	107,458	4,687,318
Etsy, Inc. (A)	25,524	2,068,720
		296,943,509
Distributors – 0.1%		
Genuine Parts Company	30,321	4,199,459
LKQ Corp.	57,961	2,769,956
Pool Corp.	7,981	3,182,105
		10,151,520
Hotels, restaurants and leisure – 2.1%		
Airbnb, Inc., Class A (A)	91,458	12,451,092
Booking Holdings, Inc. (A)	7,337	26,025,953
Caesars Entertainment, Inc. (A)	43,225	2,026,388
Carnival Corp. (A)	208,498	3,865,553
Chipotle Mexican Grill, Inc. (A)	5,769	13,193,472
Darden Restaurants, Inc.	24,711	4,060,017
Domino's Pizza, Inc.	7,234	2,982,072
Expedia Group, Inc. (A)	27,593	4,188,341

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Hilton Worldwide Holdings, Inc.	54,403	\$ 9,906,242
Las Vegas Sands Corp.	77,894	3,833,164
Marriott International, Inc., Class A	52,026	11,732,383
McDonald's Corp.	152,370	45,179,229
MGM Resorts International (A)	57,206	2,555,964
Norwegian Cruise Line Holdings, Ltd. (A)	84,949	1,702,378
Royal Caribbean Cruises, Ltd. (A)	49,856	6,455,853
Starbucks Corp.	240,112	23,053,153
Wynn Resorts, Ltd.	19,273	1,755,963
Yum! Brands, Inc.	59,319	7,750,621
		182,717,838
Household durables – 0.4%		
D.R. Horton, Inc.	63,630	9,670,487
Garmin, Ltd.	33,065	4,250,175
Lennar Corp., A Shares	53,119	7,916,856
Mohawk Industries, Inc. (A)	10,631	1,100,309
NVR, Inc. (A)	663	4,641,298
PulteGroup, Inc.	44,644	4,608,154
Whirlpool Corp.	10,989	1,338,131
		33,525,410
Leisure products – 0.0%		
Hasbro, Inc.	26,168	1,336,138
Specialty retail – 2.0%		
AutoZone, Inc. (A)	3,675	9,502,117
Bath & Body Works, Inc.	46,024	1,986,396
Best Buy Company, Inc.	40,399	3,162,434
CarMax, Inc. (A)	32,087	2,462,356
Lowe's Companies, Inc.	121,330	27,001,992
O'Reilly Automotive, Inc. (A)	12,465	11,842,747
Ross Stores, Inc.	71,129	9,843,542
The Home Depot, Inc.	210,089	72,806,343
The TJX Companies, Inc.	240,164	22,529,785
Tractor Supply Company	22,804	4,903,544
Ulta Beauty, Inc. (A)	10,617	5,202,224
		171,243,480
Textiles, apparel and luxury goods – 0.5%		
Lululemon Athletica, Inc. (A)	24,201	12,373,729
NIKE, Inc., Class B	257,180	27,922,033
Ralph Lauren Corp.	8,648	1,247,042
Tapestry, Inc.	47,507	1,748,733
VF Corp.	66,571	1,251,535
		44,543,072
		912,330,705
Consumer staples – 6.0%		
Beverages – 1.4%		
Brown-Forman Corp., Class B	36,859	2,104,649
Constellation Brands, Inc., Class A	34,078	8,238,357
Keurig Dr. Pepper, Inc.	211,854	7,058,975
Molson Coors Beverage Company, Class B	37,938	2,322,185
Monster Beverage Corp. (A)	155,586	8,963,309
PepsiCo, Inc.	288,814	49,052,170
The Coca-Cola Company	816,944	48,142,510
		125,882,155
Consumer staples distribution and retail – 1.8%		
Costco Wholesale Corp.	92,882	61,309,551
Dollar General Corp.	46,152	6,274,364
Dollar Tree, Inc. (A)	44,461	6,315,685
Sysco Corp.	106,012	7,752,658
Target Corp.	96,890	13,799,074
The Kroger Company	139,979	6,398,440
Walgreens Boots Alliance, Inc.	154,719	4,039,713

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500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer staples distribution and retail (continued)		
Walmart, Inc.	299,249	\$ 47,176,605
		153,066,090
Food products – 0.9%		
Archer-Daniels-Midland Company	112,105	8,096,223
Bunge Global SA	30,477	3,076,653
Campbell Soup Company	40,598	1,755,052
Conagra Brands, Inc.	104,963	3,008,240
General Mills, Inc.	122,144	7,956,460
Hormel Foods Corp.	58,343	1,873,394
Kellanova	53,996	3,018,916
Lamb Weston Holdings, Inc.	30,263	3,271,128
McCormick & Company, Inc.	54,062	3,698,922
Mondelez International, Inc., Class A	285,647	20,689,412
The Hershey Company	31,565	5,884,979
The J.M. Smucker Company	22,435	2,835,335
The Kraft Heinz Company	167,615	6,198,403
Tyson Foods, Inc., Class A	58,385	3,138,194
		74,501,311
Household products – 1.2%		
Church & Dwight Company, Inc.	50,553	4,780,292
Colgate-Palmolive Company	173,121	13,799,475
Kimberly-Clark Corp.	71,005	8,627,818
The Clorox Company	26,539	3,784,196
The Procter & Gamble Company	494,633	72,483,520
		103,475,301
Personal care products – 0.2%		
Kenvue, Inc.	363,186	7,819,395
The Estee Lauder Companies, Inc., Class A	49,028	7,170,345
		14,989,740
Tobacco – 0.5%		
Altria Group, Inc.	371,639	14,991,917
Philip Morris International, Inc.	326,105	30,679,958
		45,671,875
		517,586,472
Energy – 3.8%		
Energy equipment and services – 0.4%		
Baker Hughes Company	211,235	7,220,012
Halliburton Company	190,012	6,868,934
Schlumberger, Ltd.	299,662	15,594,410
		29,683,356
Oil, gas and consumable fuels – 3.4%		
APA Corp.	61,418	2,203,678
Chevron Corp.	368,793	55,009,164
ConocoPhillips	249,583	28,969,099
Coterra Energy, Inc.	154,272	3,937,021
Devon Energy Corp.	135,178	6,123,563
Diamondback Energy, Inc.	37,798	5,861,714
EOG Resources, Inc.	122,699	14,840,444
EQT Corp.	86,684	3,351,203
Exxon Mobil Corp.	841,341	84,117,273
Hess Corp.	58,291	8,403,231
Kinder Morgan, Inc.	407,700	7,191,828
Marathon Oil Corp.	122,835	2,967,694
Marathon Petroleum Corp.	79,426	11,783,641
Occidental Petroleum Corp.	138,973	8,298,078
ONEOK, Inc.	122,606	8,609,393
Phillips 66	92,644	12,334,622
Pioneer Natural Resources Company	49,047	11,029,689
Targa Resources Corp.	45,672	3,967,527
The Williams Companies, Inc.	255,987	8,916,027

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Valero Energy Corp.	71,592	\$ 9,306,960
		297,221,849
		326,905,205
Financials – 12.6%		
Banks – 3.2%		
Bank of America Corp.	1,445,975	48,685,978
Citigroup, Inc.	402,230	20,690,711
Citizens Financial Group, Inc.	94,395	3,128,250
Comerica, Inc.	26,372	1,471,821
Fifth Third Bancorp	146,028	5,036,506
Huntington Bancshares, Inc.	310,931	3,955,042
JPMorgan Chase & Co.	607,070	103,262,607
KeyCorp	205,855	2,964,312
M&T Bank Corp.	34,330	4,705,956
Regions Financial Corp.	188,368	3,650,572
The PNC Financial Services Group, Inc.	83,879	12,988,663
Truist Financial Corp.	280,763	10,365,770
U.S. Bancorp	327,467	14,172,772
Wells Fargo & Company	763,028	37,556,238
Zions Bancorp NA	30,334	1,330,753
		273,965,951
Capital markets – 2.9%		
Ameriprise Financial, Inc.	21,513	8,171,283
BlackRock, Inc.	29,335	23,814,153
Cboe Global Markets, Inc.	22,776	4,066,883
CME Group, Inc.	75,512	15,902,827
FactSet Research Systems, Inc.	8,198	3,910,856
Franklin Resources, Inc.	57,265	1,705,924
Intercontinental Exchange, Inc.	120,046	15,417,508
Invesco, Ltd.	91,704	1,635,999
MarketAxess Holdings, Inc.	7,588	2,222,146
Moody's Corp.	33,015	12,894,338
Morgan Stanley	265,279	24,737,267
MSCI, Inc.	16,610	9,395,447
Nasdaq, Inc.	72,745	4,229,394
Northern Trust Corp.	45,015	3,798,366
Raymond James Financial, Inc.	40,042	4,464,683
S&P Global, Inc.	67,985	29,948,752
State Street Corp.	64,676	5,009,803
T. Rowe Price Group, Inc.	47,911	5,159,536
The Bank of New York Mellon Corp.	163,100	8,489,355
The Blackstone Group, Inc.	149,166	19,528,813
The Charles Schwab Corp.	312,515	21,501,032
The Goldman Sachs Group, Inc.	68,456	26,408,271
		252,412,636
Consumer finance – 0.5%		
American Express Company	120,835	22,637,229
Capital One Financial Corp.	79,996	10,489,076
Discover Financial Services	52,523	5,903,585
Synchrony Financial	83,854	3,202,384
		42,232,274
Financial services – 4.0%		
Berkshire Hathaway, Inc., Class B (A)	381,952	136,227,000
Fidelity National Information Services, Inc.	124,533	7,480,697
Fiserv, Inc. (A)	125,921	16,727,346
FleetCor Technologies, Inc. (A)	15,122	4,273,628
Global Payments, Inc.	54,734	6,951,218
Jack Henry & Associates, Inc.	14,688	2,400,166
Mastercard, Inc., Class A	173,864	74,154,735
PayPal Holdings, Inc. (A)	226,518	13,910,470

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Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
Visa, Inc., Class A	334,615	\$ 87,117,015
		349,242,275
Insurance – 2.0%		
Aflac, Inc.	112,498	9,281,085
American International Group, Inc.	148,119	10,035,062
Aon PLC, Class A	42,062	12,240,883
Arch Capital Group, Ltd. (A)	78,397	5,822,545
Arthur J. Gallagher & Company	45,228	10,170,873
Assurant, Inc.	10,727	1,807,392
Brown & Brown, Inc.	50,547	3,594,397
Chubb, Ltd.	85,519	19,327,294
Cincinnati Financial Corp.	32,093	3,320,342
Everest Group, Ltd.	9,314	3,293,244
Globe Life, Inc.	18,268	2,223,581
Loews Corp.	37,763	2,627,927
Marsh & McLennan Companies, Inc.	103,283	19,569,030
MetLife, Inc.	131,357	8,686,638
Principal Financial Group, Inc.	44,721	3,518,201
Prudential Financial, Inc.	75,815	7,862,774
The Allstate Corp.	55,022	7,701,980
The Hartford Financial Services Group, Inc.	64,110	5,153,162
The Progressive Corp.	122,901	19,575,671
The Travelers Companies, Inc.	47,947	9,133,424
W.R. Berkley Corp.	41,177	2,912,037
Willis Towers Watson PLC	21,567	5,201,960
		173,059,502
		1,090,912,638
Health care – 12.3%		
Biotechnology – 2.0%		
AbbVie, Inc.	370,674	57,443,350
Amgen, Inc.	112,368	32,364,231
Biogen, Inc. (A)	30,493	7,890,674
Gilead Sciences, Inc.	261,639	21,195,375
Incyte Corp. (A)	41,097	2,580,481
Moderna, Inc. (A)	70,109	6,972,340
Regeneron Pharmaceuticals, Inc. (A)	22,499	19,760,647
Vertex Pharmaceuticals, Inc. (A)	54,124	22,022,514
		170,229,612
Health care equipment and supplies – 2.5%		
Abbott Laboratories	364,269	40,095,089
Align Technology, Inc. (A)	15,250	4,178,500
Baxter International, Inc.	108,142	4,180,770
Becton, Dickinson and Company	60,888	14,846,321
Boston Scientific Corp. (A)	307,210	17,759,810
Dentsply Sirona, Inc.	43,433	1,545,780
DexCom, Inc. (A)	81,185	10,074,247
Edwards Lifesciences Corp. (A)	127,558	9,726,298
GE HealthCare Technologies, Inc.	82,530	6,381,220
Hologic, Inc. (A)	50,328	3,595,936
IDEXX Laboratories, Inc. (A)	17,471	9,697,279
Insulet Corp. (A)	14,119	3,063,541
Intuitive Surgical, Inc. (A)	73,941	24,944,736
Medtronic PLC	279,244	23,004,121
ResMed, Inc.	31,600	5,435,832
STERIS PLC	21,366	4,697,315
Stryker Corp.	70,971	21,252,976
Teleflex, Inc.	9,456	2,357,759
The Cooper Companies, Inc.	10,646	4,028,872
Zimmer Biomet Holdings, Inc.	44,410	5,404,697
		216,271,099
Health care providers and services – 2.8%		
Cardinal Health, Inc.	50,724	5,112,979

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Cencora, Inc.	34,911	\$ 7,170,021
Centene Corp. (A)	112,842	8,374,005
CVS Health Corp.	269,797	21,303,171
DaVita, Inc. (A)	11,227	1,176,141
Elevance Health, Inc.	49,301	23,248,380
HCA Healthcare, Inc.	41,657	11,275,717
Henry Schein, Inc. (A)	27,440	2,077,482
Humana, Inc.	25,857	11,837,593
Laboratory Corp. of America Holdings	18,224	4,142,133
McKesson Corp.	27,935	12,933,346
Molina Healthcare, Inc. (A)	12,364	4,467,237
Quest Diagnostics, Inc.	24,278	3,347,451
The Cigna Group	61,435	18,396,711
UnitedHealth Group, Inc.	194,123	102,199,936
Universal Health Services, Inc., Class B	12,049	1,836,750
		238,899,053
Life sciences tools and services – 1.4%		
Agilent Technologies, Inc.	62,080	8,630,982
Bio-Rad Laboratories, Inc., Class A (A)	4,320	1,394,885
Bio-Techne Corp.	31,636	2,441,034
Charles River Laboratories International, Inc. (A)	10,254	2,424,046
Danaher Corp.	138,090	31,945,741
Illumina, Inc. (A)	34,215	4,764,097
IQVIA Holdings, Inc. (A)	38,481	8,903,734
Mettler-Toledo International, Inc. (A)	4,637	5,624,496
Revvity, Inc.	25,446	2,781,502
Thermo Fisher Scientific, Inc.	81,131	43,063,523
Waters Corp. (A)	12,071	3,974,135
West Pharmaceutical Services, Inc.	15,620	5,500,114
		121,448,289
Pharmaceuticals – 3.6%		
Bristol-Myers Squibb Company	428,064	21,963,964
Catalent, Inc. (A)	36,128	1,623,231
Eli Lilly & Company	167,481	97,628,025
Johnson & Johnson	505,371	79,211,851
Merck & Company, Inc.	532,091	58,008,561
Pfizer, Inc.	1,186,028	34,145,746
Viatis, Inc.	244,448	2,647,372
Zoetis, Inc.	96,505	19,047,192
		314,275,942
		1,061,123,995
Industrials – 8.6%		
Aerospace and defense – 1.6%		
Axon Enterprise, Inc. (A)	14,374	3,713,235
General Dynamics Corp.	47,541	12,344,971
Howmet Aerospace, Inc.	84,493	4,572,761
Huntington Ingalls Industries, Inc.	8,053	2,090,881
L3Harris Technologies, Inc.	39,951	8,414,480
Lockheed Martin Corp.	46,422	21,040,307
Northrop Grumman Corp.	29,811	13,955,722
RTX Corp.	302,280	25,433,839
Textron, Inc.	40,372	3,246,716
The Boeing Company (A)	119,477	31,142,875
TransDigm Group, Inc.	11,646	11,781,094
		137,736,881
Air freight and logistics – 0.5%		
CH Robinson Worldwide, Inc.	23,622	2,040,705
Expeditors International of Washington, Inc.	30,470	3,875,784
FedEx Corp.	48,693	12,317,868

John Hancock Variable Insurance Trust

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500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Air freight and logistics (continued)		
United Parcel Service, Inc., Class B	152,194	\$ 23,929,463
		42,163,820
Building products – 0.5%		
A.O. Smith Corp.	25,900	2,135,196
Allegion PLC	17,708	2,243,427
Builders FirstSource, Inc. (A)	26,054	4,349,455
Carrier Global Corp.	176,417	10,135,157
Johnson Controls International PLC	143,532	8,273,184
Masco Corp.	45,463	3,045,112
Trane Technologies PLC	48,051	11,719,639
		41,901,170
Commercial services and supplies – 0.5%		
Cintas Corp.	18,158	10,943,100
Copart, Inc. (A)	183,486	8,990,814
Republic Services, Inc.	42,889	7,072,825
Rollins, Inc.	59,060	2,579,150
Veralto Corp.	47,544	3,910,969
Waste Management, Inc.	76,775	13,750,403
		47,247,261
Construction and engineering – 0.1%		
Quanta Services, Inc.	30,834	6,653,977
Electrical equipment – 0.6%		
AMETEK, Inc.	48,455	7,989,745
Eaton Corp. PLC	83,831	20,188,181
Emerson Electric Company	119,684	11,648,844
Generac Holdings, Inc. (A)	12,868	1,663,060
Hubbell, Inc.	11,189	3,680,398
Rockwell Automation, Inc.	24,127	7,490,951
		52,661,179
Ground transportation – 1.1%		
CSX Corp.	415,663	14,411,036
JB Hunt Transport Services, Inc.	16,742	3,344,047
Norfolk Southern Corp.	47,581	11,247,197
Old Dominion Freight Line, Inc.	18,859	7,644,118
Uber Technologies, Inc. (A)	432,339	26,619,112
Union Pacific Corp.	128,055	31,452,869
		94,718,379
Industrial conglomerates – 0.8%		
3M Company	116,013	12,682,541
General Electric Company	228,533	29,167,667
Honeywell International, Inc.	138,292	29,001,215
		70,851,423
Machinery – 1.7%		
Caterpillar, Inc.	107,175	31,688,432
Cummins, Inc.	29,858	7,153,081
Deere & Company	56,293	22,509,882
Dover Corp.	29,688	4,566,311
Fortive Corp.	75,204	5,537,271
IDEX Corp.	16,407	3,562,124
Illinois Tool Works, Inc.	57,365	15,026,188
Ingersoll Rand, Inc.	84,938	6,569,105
Nordson Corp.	10,898	2,878,816
Otis Worldwide Corp.	85,763	7,673,216
PACCAR, Inc.	110,078	10,749,117
Parker-Hannifin Corp.	26,965	12,422,776
Pentair PLC	36,781	2,674,347
Snap-on, Inc.	10,738	3,101,564
Stanley Black & Decker, Inc.	31,464	3,086,618
Wabtec Corp.	36,665	4,652,789

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Xylem, Inc.	50,953	\$ 5,826,985
		149,678,622
Passenger airlines – 0.2%		
American Airlines Group, Inc. (A)	131,005	1,800,009
Delta Air Lines, Inc.	132,778	5,341,659
Southwest Airlines Company	128,158	3,701,203
United Airlines Holdings, Inc. (A)	71,858	2,964,861
		13,807,732
Professional services – 0.7%		
Automatic Data Processing, Inc.	86,298	20,104,845
Broadridge Financial Solutions, Inc.	24,920	5,127,290
Ceridian HCM Holding, Inc. (A)	34,443	2,311,814
Equifax, Inc.	25,896	6,403,822
Jacobs Solutions, Inc.	25,725	3,339,105
Leidos Holdings, Inc.	29,786	3,224,037
Paychex, Inc.	67,471	8,036,471
Paycom Software, Inc.	9,799	2,025,649
Robert Half, Inc.	22,088	1,941,977
Verisk Analytics, Inc.	30,448	7,272,809
		59,787,819
Trading companies and distributors – 0.3%		
Fastenal Company	120,060	7,776,286
United Rentals, Inc.	14,253	8,172,955
W.W. Grainger, Inc.	9,284	7,693,558
		23,642,799
		740,851,062
Information technology – 28.1%		
Communications equipment – 0.8%		
Arista Networks, Inc. (A)	52,969	12,474,729
Cisco Systems, Inc.	850,789	42,981,860
F5, Inc. (A)	12,007	2,149,013
Juniper Networks, Inc.	65,036	1,917,261
Motorola Solutions, Inc.	34,886	10,922,458
		70,445,321
Electronic equipment, instruments and components – 0.6%		
Amphenol Corp., Class A	125,259	12,416,925
CDW Corp.	28,406	6,457,252
Corning, Inc.	158,219	4,817,769
Jabil, Inc.	26,885	3,425,149
Keysight Technologies, Inc. (A)	37,911	6,031,261
TE Connectivity, Ltd.	65,111	9,148,096
Teledyne Technologies, Inc. (A)	10,038	4,479,859
Trimble, Inc. (A)	49,926	2,656,063
Zebra Technologies Corp., Class A (A)	10,441	2,853,839
		52,286,213
IT services – 1.2%		
Accenture PLC, Class A	131,742	46,229,585
Akamai Technologies, Inc. (A)	32,551	3,852,411
Cognizant Technology Solutions Corp., Class A	105,641	7,979,065
EPAM Systems, Inc. (A)	12,456	3,703,667
Gartner, Inc. (A)	16,479	7,433,842
IBM Corp.	191,599	31,336,016
VeriSign, Inc. (A)	18,144	3,736,938
		104,271,524
Semiconductors and semiconductor equipment – 7.9%		
Advanced Micro Devices, Inc. (A)	339,306	50,017,097
Analog Devices, Inc.	104,594	20,768,185
Applied Materials, Inc.	175,752	28,484,127
Broadcom, Inc.	92,180	102,895,925
Enphase Energy, Inc. (A)	28,135	3,717,759
First Solar, Inc. (A)	21,612	3,723,315

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Intel Corp.	885,532	\$ 44,497,983
KLA Corp.	28,561	16,602,509
Lam Research Corp.	27,686	21,685,336
Microchip Technology, Inc.	113,684	10,252,023
Micron Technology, Inc.	230,635	19,682,391
Monolithic Power Systems, Inc.	10,072	6,353,216
NVIDIA Corp.	518,760	256,900,327
NXP Semiconductors NV	54,135	12,433,727
ON Semiconductor Corp. (A)	90,555	7,564,059
Qorvo, Inc. (A)	21,497	2,420,777
Qualcomm, Inc.	233,709	33,801,333
Skyworks Solutions, Inc.	34,630	3,893,105
Teradyne, Inc.	31,606	3,429,883
Texas Instruments, Inc.	190,623	32,493,597
		681,616,674
Software – 10.5%		
Adobe, Inc. (A)	95,621	57,047,489
ANSYS, Inc. (A)	18,391	6,673,726
Autodesk, Inc. (A)	44,916	10,936,148
Cadence Design Systems, Inc. (A)	57,132	15,561,043
Fair Isaac Corp. (A)	5,113	5,951,583
Fortinet, Inc. (A)	131,937	7,722,273
Gen Digital, Inc.	119,359	2,723,772
Intuit, Inc.	58,845	36,779,890
Microsoft Corp.	1,560,913	586,965,725
Oracle Corp.	333,654	35,177,141
Palo Alto Networks, Inc. (A)	65,284	19,250,946
PTC, Inc. (A)	25,535	4,467,604
Roper Technologies, Inc.	22,396	12,209,627
Salesforce, Inc. (A)	204,331	53,767,659
ServiceNow, Inc. (A)	43,044	30,410,156
Synopsys, Inc. (A)	31,922	16,436,957
Tyler Technologies, Inc. (A)	8,986	3,757,226
		905,838,965
Technology hardware, storage and peripherals – 7.1%		
Apple, Inc.	3,070,315	591,127,742
Hewlett Packard Enterprise Company	276,954	4,702,679
HP, Inc.	183,648	5,525,968
NetApp, Inc.	45,134	3,979,013
Seagate Technology Holdings PLC	42,286	3,609,956
Western Digital Corp. (A)	68,228	3,573,100
		612,518,458
		2,426,977,155
Materials – 2.3%		
Chemicals – 1.6%		
Air Products & Chemicals, Inc.	46,605	12,760,449
Albemarle Corp.	25,390	3,668,347
Celanese Corp.	21,812	3,388,930
CF Industries Holdings, Inc.	41,562	3,304,179
Corteva, Inc.	150,333	7,203,957
Dow, Inc.	146,860	8,053,802
DuPont de Nemours, Inc.	89,589	6,892,082
Eastman Chemical Company	24,757	2,223,674
Ecolab, Inc.	53,101	10,532,583
FMC Corp.	25,392	1,600,966
International Flavors & Fragrances, Inc.	54,559	4,417,642
Linde PLC	101,701	41,769,618
LyondellBasell Industries NV, Class A	53,969	5,131,373
PPG Industries, Inc.	49,272	7,368,628
The Mosaic Company	65,528	2,341,315

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
The Sherwin-Williams Company	49,396	\$ 15,406,612
		136,064,157
Construction materials – 0.1%		
Martin Marietta Materials, Inc.	13,084	6,527,738
Vulcan Materials Company	27,905	6,334,714
		12,862,452
Containers and packaging – 0.2%		
Amcor PLC	302,948	2,920,419
Avery Dennison Corp.	16,381	3,311,583
Ball Corp.	67,586	3,887,547
International Paper Company	75,243	2,720,034
Packaging Corp. of America	18,795	3,061,893
Westrock Company	51,264	2,128,481
		18,029,957
Metals and mining – 0.4%		
Freeport-McMoRan, Inc.	301,706	12,843,624
Newmont Corp.	242,400	10,032,936
Nucor Corp.	51,842	9,022,582
Steel Dynamics, Inc.	31,056	3,667,714
		35,566,856
		202,523,422
Real estate – 2.4%		
Health care REITs – 0.2%		
Healthpeak Properties, Inc.	120,249	2,380,930
Ventas, Inc.	85,724	4,272,484
Welltower, Inc.	116,234	10,480,820
		17,134,234
Hotel and resort REITs – 0.0%		
Host Hotels & Resorts, Inc.	144,118	2,805,977
Industrial REITs – 0.3%		
Prologis, Inc.	194,097	25,873,130
Office REITs – 0.1%		
Alexandria Real Estate Equities, Inc.	32,031	4,060,570
Boston Properties, Inc.	32,410	2,274,210
		6,334,780
Real estate management and development – 0.1%		
CBRE Group, Inc., Class A (A)	62,854	5,851,079
CoStar Group, Inc. (A)	85,811	7,499,023
		13,350,102
Residential REITs – 0.3%		
AvalonBay Communities, Inc.	30,322	5,676,885
Camden Property Trust	21,380	2,122,820
Equity Residential	74,527	4,558,071
Essex Property Trust, Inc.	13,129	3,255,204
Invitation Homes, Inc.	124,037	4,230,902
Mid-America Apartment Communities, Inc.	24,239	3,259,176
UDR, Inc.	60,860	2,330,329
		25,433,387
Retail REITs – 0.3%		
Federal Realty Investment Trust	14,679	1,512,671
Kimco Realty Corp.	136,279	2,904,105
Realty Income Corp.	152,095	8,733,295
Regency Centers Corp.	33,451	2,241,217
Simon Property Group, Inc.	68,578	9,781,966
		25,173,254
Specialized REITs – 1.1%		
American Tower Corp.	97,917	21,138,322
Crown Castle, Inc.	91,188	10,503,946
Digital Realty Trust, Inc.	63,658	8,567,094
Equinix, Inc.	19,714	15,877,458
Extra Space Storage, Inc.	44,495	7,133,883

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialized REITs (continued)		
Iron Mountain, Inc.	62,270	\$ 4,357,655
Public Storage	33,227	10,134,235
SBA Communications Corp.	22,683	5,754,450
VICI Properties, Inc.	217,429	6,931,637
Weyerhaeuser Company	149,243	5,189,179
		<u>95,587,859</u>
		211,692,723
Utilities – 2.3%		
Electric utilities – 1.5%		
Alliant Energy Corp.	55,250	2,834,325
American Electric Power Company, Inc.	110,110	8,943,134
Constellation Energy Corp.	67,069	7,839,695
Duke Energy Corp.	161,336	15,656,045
Edison International	80,489	5,754,159
Entergy Corp.	43,225	4,373,938
Evergy, Inc.	46,270	2,415,294
Eversource Energy	75,506	4,660,230
Exelon Corp.	208,811	7,496,315
FirstEnergy Corp.	111,704	4,095,069
NextEra Energy, Inc.	430,692	26,160,232
NRG Energy, Inc.	47,404	2,450,787
PG&E Corp.	448,540	8,087,176
Pinnacle West Capital Corp.	22,789	1,637,162
PPL Corp.	157,541	4,269,361
The Southern Company	228,249	16,004,820
Xcel Energy, Inc.	116,163	7,191,651
		<u>129,869,393</u>
Gas utilities – 0.1%		
Atmos Energy Corp.	30,676	3,555,348
Independent power and renewable electricity producers – 0.0%		
The AES Corp.	147,532	2,839,991
Multi-utilities – 0.6%		
Ameren Corp.	53,877	3,897,462

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P 500 E-Mini Index Futures	930	Long	Mar 2024	\$217,335,102	\$224,130,000	\$6,794,898
						<u>\$6,794,898</u>

[^] 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	48,377,059	\$ 1,154,276,618
TOTAL INVESTMENT COMPANIES (Cost \$1,074,299,800)		\$ 1,154,276,618
Total Investments (American Asset Allocation Trust) (Cost \$1,074,299,800) - 100.0%		\$ 1,154,276,618
Other assets and liabilities, net - 0.0%		38,053
TOTAL NET ASSETS - 100.0%		\$ 1,154,314,671

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multi-utilities (continued)		
CenterPoint Energy, Inc.	135,148	\$ 3,861,178
CMS Energy Corp.	62,658	3,638,550
Consolidated Edison, Inc.	72,524	6,597,508
Dominion Energy, Inc.	175,464	8,246,808
DTE Energy Company	42,108	4,642,828
NiSource, Inc.	90,981	2,415,546
Public Service Enterprise Group, Inc.	104,426	6,385,650
Sempra	131,422	9,821,166
WEC Energy Group, Inc.	66,452	5,593,265
		<u>55,099,961</u>
Water utilities – 0.1%		
American Water Works Company, Inc.	41,050	5,418,190
		<u>196,782,883</u>
TOTAL COMMON STOCKS (Cost \$3,252,634,117)		\$ 8,409,156,008
SHORT-TERM INVESTMENTS – 2.7%		
Short-term funds – 2.7%		
John Hancock Collateral Trust, 5.3645% (B)(C)	22,822,570	228,230,262
TOTAL SHORT-TERM INVESTMENTS (Cost \$228,210,085)		\$ 228,230,262
Total Investments (500 Index Trust) (Cost \$3,480,844,202) – 100.1%		\$ 8,637,386,270
Other assets and liabilities, net – (0.1%)		(5,189,009)
TOTAL NET ASSETS – 100.0%		\$ 8,632,197,261

Security Abbreviations and Legend

- (A) Non-income producing security.
- (B) The rate shown is the annualized seven-day yield as of 12-31-23.
- (C) Investment is an affiliate of the fund, the advisor and/or subadvisor.

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	5,768,293	\$ 195,660,511
TOTAL INVESTMENT COMPANIES (Cost \$175,886,665)		\$ 195,660,511
Total Investments (American Global Growth Trust) (Cost \$175,886,665) - 100.0%		\$ 195,660,511
Other assets and liabilities, net - (0.0%)		(3,064)
TOTAL NET ASSETS - 100.0%		\$ 195,657,447

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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	9,068,784	\$ 901,799,873
TOTAL INVESTMENT COMPANIES (Cost \$756,262,593)		\$ 901,799,873
Total Investments (American Growth Trust) (Cost \$756,262,593) - 100.0%		\$ 901,799,873
Other assets and liabilities, net - 0.0%		20,920
TOTAL NET ASSETS - 100.0%		\$ 901,820,793

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	15,198,124	\$ 900,640,825
TOTAL INVESTMENT COMPANIES (Cost \$727,474,020)		\$ 900,640,825
Total Investments (American Growth-Income Trust) (Cost \$727,474,020) - 100.0%		\$ 900,640,825
Other assets and liabilities, net - 0.0%		18,323
TOTAL NET ASSETS - 100.0%		\$ 900,659,148

American International Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American International Fund - Class 1	20,712,326	\$ 362,465,700
TOTAL INVESTMENT COMPANIES (Cost \$395,442,061)		\$ 362,465,700
Total Investments (American International Trust) (Cost \$395,442,061) - 100.0%		\$ 362,465,700
Other assets and liabilities, net - 0.0%		3,975
TOTAL NET ASSETS - 100.0%		\$ 362,469,675

Blue Chip Growth Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 99.0%		
Communication services - 15.6%		
Entertainment - 1.7%		
Netflix, Inc. (A)	54,392	\$ 26,482,377
Sea, Ltd., ADR (A)	84,613	3,426,827
		29,909,204
Interactive media and services - 12.9%		
Alphabet, Inc., Class A (A)	186,341	26,029,974
Alphabet, Inc., Class C (A)	826,187	116,434,534
Meta Platforms, Inc., Class A (A)	249,435	88,290,013
		230,754,521
Wireless telecommunication services - 1.0%		
T-Mobile US, Inc.	112,610	18,054,761
		278,718,486

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer discretionary - 14.9%		
Automobiles - 2.5%		
Tesla, Inc. (A)	178,664	\$ 44,394,431
Broadline retail - 8.1%		
Amazon.com, Inc. (A)	952,809	144,769,799
Hotels, restaurants and leisure - 2.1%		
Booking Holdings, Inc. (A)	4,707	16,696,765
Chipotle Mexican Grill, Inc. (A)	7,331	16,765,704
DoorDash, Inc., Class A (A)	48,662	4,812,185
		38,274,654
Specialty retail - 1.4%		
Carvana Company (A)(B)	91,900	4,865,186
Ross Stores, Inc.	83,518	11,558,056
The TJX Companies, Inc.	85,725	8,041,862
		24,465,104
Textiles, apparel and luxury goods - 0.8%		
Lululemon Athletica, Inc. (A)	18,162	9,286,049
NIKE, Inc., Class B	48,984	5,318,193
		14,604,242
		266,508,230
Consumer staples - 1.4%		
Consumer staples distribution and retail - 0.6%		
Dollar General Corp.	85,345	11,602,653
Food products - 0.3%		
Mondelez International, Inc., Class A	70,200	5,084,586
Household products - 0.5%		
Colgate-Palmolive Company	56,200	4,479,702
The Procter & Gamble Company	29,000	4,249,660
		8,729,362
		25,416,601
Energy - 0.3%		
Energy equipment and services - 0.3%		
Schlumberger, Ltd.	112,200	5,838,888
Financials - 9.7%		
Capital markets - 1.8%		
Morgan Stanley	91,472	8,529,764
MSCI, Inc.	3,475	1,965,634
S&P Global, Inc.	22,361	9,850,468
The Charles Schwab Corp.	96,694	6,652,547
The Goldman Sachs Group, Inc.	12,854	4,958,688
		31,957,101
Financial services - 6.3%		
Adyen NV (A)(C)	3,164	4,084,538
Fiserv, Inc. (A)	29,986	3,983,340
Mastercard, Inc., Class A	108,708	46,365,049
Visa, Inc., Class A	221,166	57,580,568
		112,013,495
Insurance - 1.6%		
Chubb, Ltd.	80,655	18,228,030
Marsh & McLennan Companies, Inc.	57,148	10,827,832
		29,055,862
		173,026,458
Health care - 12.3%		
Health care equipment and supplies - 2.3%		
Align Technology, Inc. (A)	4,261	1,167,514
Intuitive Surgical, Inc. (A)	78,352	26,432,831
Stryker Corp.	34,187	10,237,639

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Teleflex, Inc.	10,431	\$ 2,600,866
		40,438,850
Health care providers and services – 4.2%		
Elevance Health, Inc.	16,221	7,649,175
Humana, Inc.	23,651	10,827,664
UnitedHealth Group, Inc.	109,134	57,455,777
		75,932,616
Health care technology – 0.2%		
Veeva Systems, Inc., Class A (A)	20,623	3,970,340
Life sciences tools and services – 1.8%		
Danaher Corp.	48,151	11,139,252
Thermo Fisher Scientific, Inc.	39,714	21,079,794
		32,219,046
Pharmaceuticals – 3.8%		
AstraZeneca PLC, ADR	62,856	4,233,352
Eli Lilly & Company	90,647	52,839,949
Zoetis, Inc.	53,081	10,476,597
		67,549,898
		220,110,750
Industrials – 1.5%		
Aerospace and defense – 0.3%		
TransDigm Group, Inc.	4,686	4,740,358
Commercial services and supplies – 0.3%		
Cintas Corp.	5,976	3,601,496
Veralto Corp.	16,486	1,356,138
		4,957,634
Ground transportation – 0.4%		
Old Dominion Freight Line, Inc.	17,166	6,957,895
Industrial conglomerates – 0.5%		
General Electric Company	73,230	9,346,345
		26,002,232
Information technology – 41.9%		
Electronic equipment, instruments and components – 0.2%		
TE Connectivity, Ltd.	22,911	3,218,996
IT services – 1.5%		
MongoDB, Inc. (A)	25,465	10,411,365
Shopify, Inc., Class A (A)	151,199	11,778,402
Snowflake, Inc., Class A (A)	20,042	3,988,358
		26,178,125
Semiconductors and semiconductor equipment – 9.4%		
Advanced Micro Devices, Inc. (A)	84,414	12,443,468
ASML Holding NV, NYRS	27,221	20,604,119
Lam Research Corp.	3,909	3,061,763
Monolithic Power Systems, Inc.	17,196	10,846,893
NVIDIA Corp.	224,996	111,422,518
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	57,563	5,986,552
Texas Instruments, Inc.	23,326	3,976,150
		168,341,463
Software – 20.7%		
Atlassian Corp., Class A (A)	28,774	6,844,184
BILL Holdings, Inc. (A)	45,423	3,706,063
Confluent, Inc., Class A (A)	89,031	2,083,325
CrowdStrike Holdings, Inc., Class A (A)	16,318	4,166,312
Datadog, Inc., Class A (A)	29,799	3,617,003
Fortinet, Inc. (A)	22,298	1,305,102
Intuit, Inc.	34,006	21,254,770
Microsoft Corp.	663,068	249,340,088
Roper Technologies, Inc.	24,585	13,403,004
ServiceNow, Inc. (A)	61,208	43,242,840

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Synopsys, Inc. (A)	41,843	\$ 21,545,379
		370,508,070
Technology hardware, storage and peripherals – 10.1%		
Apple, Inc.	933,034	179,637,036
		747,883,690
Materials – 0.9%		
Chemicals – 0.9%		
Linde PLC	20,500	8,419,555
The Sherwin-Williams Company	27,110	8,455,609
		16,875,164
Utilities – 0.5%		
Electric utilities – 0.5%		
Constellation Energy Corp.	75,326	8,804,856
TOTAL COMMON STOCKS (Cost \$1,146,441,324)		\$ 1,769,185,355
CORPORATE BONDS - 0.2%		
Consumer discretionary - 0.2%		
Carvana Company		
12.000%, (9.000% Cash or 12.000% PIK), 12/01/2028 (C)	\$ 807,000	684,897
13.000%, (9.000% Cash or 13.000% PIK), 06/01/2030 (C)	1,211,000	1,018,554
14.000%, (9.000% Cash or 14.000% PIK), 06/01/2031 (C)	1,433,000	1,224,019
		2,927,470
TOTAL CORPORATE BONDS (Cost \$3,862,342)		\$ 2,927,470
SHORT-TERM INVESTMENTS – 0.5%		
Short-term funds – 0.5%		
John Hancock Collateral Trust, 5.3645% (D)(E)	511,277	5,112,872
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (D)	504,918	504,918
T. Rowe Price Government Reserve Fund, 5.3873% (D)	3,743,649	3,743,649
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,361,704)		\$ 9,361,439
Total Investments (Blue Chip Growth Trust) (Cost \$1,159,665,370) – 99.7%		\$ 1,781,474,264
Other assets and liabilities, net – 0.3%		4,826,256
TOTAL NET ASSETS – 100.0%		\$ 1,786,300,520

Security Abbreviations and Legend

ADR	American Depositary Receipt
NYRS	New York Registry Shares
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-23.
(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 12-31-23.
(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.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Capital Appreciation Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.3%		
Communication services – 11.4%		
Entertainment – 2.3%		
Netflix, Inc. (A)	27,037	\$ 13,163,775
Interactive media and services – 8.4%		
Alphabet, Inc., Class A (A)	95,928	13,400,182
Alphabet, Inc., Class C (A)	94,979	13,385,390
Meta Platforms, Inc., Class A (A)	62,799	22,228,334
		49,013,906
Media – 0.7%		
The Trade Desk, Inc., Class A (A)	60,195	4,331,632
		66,509,313
Consumer discretionary – 22.8%		
Automobile components – 0.3%		
Mobileye Global, Inc., Class A (A)(B)	36,454	1,579,187
Automobiles – 3.4%		
Tesla, Inc. (A)	79,989	19,875,667
Broadline retail – 9.5%		
Amazon.com, Inc. (A)	293,314	44,566,130
MercadoLibre, Inc. (A)	6,854	10,771,335
		55,337,465
Hotels, restaurants and leisure – 2.2%		
Airbnb, Inc., Class A (A)	27,814	3,786,598
Chipotle Mexican Grill, Inc. (A)	1,502	3,435,014
Marriott International, Inc., Class A	26,500	5,976,015
		13,197,627
Specialty retail – 3.5%		
O'Reilly Automotive, Inc. (A)	6,682	6,348,435
The Home Depot, Inc.	22,926	7,945,005
The TJX Companies, Inc.	63,060	5,915,659
		20,209,099
Textiles, apparel and luxury goods – 3.9%		
Lululemon Athletica, Inc. (A)	19,888	10,168,536
LVMH Moët Hennessy Louis Vuitton SE	10,672	8,671,393
NIKE, Inc., Class B	34,155	3,708,208
		22,548,137
		132,747,182
Consumer staples – 3.2%		
Consumer staples distribution and retail – 2.1%		
Costco Wholesale Corp.	18,688	12,335,575
Personal care products – 1.1%		
L'Oreal SA	12,157	6,060,271
		18,395,846
Financials – 7.9%		
Banks – 0.3%		
NU Holdings, Ltd., Class A (A)	211,314	1,760,246
Capital markets – 1.9%		
Moody's Corp.	15,858	6,193,500
The Goldman Sachs Group, Inc.	11,973	4,618,824
		10,812,324
Financial services – 5.7%		
Mastercard, Inc., Class A	37,832	16,135,726
Visa, Inc., Class A	65,977	17,177,112
		33,312,838
		45,885,408

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care – 11.3%		
Biotechnology – 1.3%		
Vertex Pharmaceuticals, Inc. (A)	19,067	\$ 7,758,172
Health care equipment and supplies – 1.3%		
Intuitive Surgical, Inc. (A)	22,292	7,520,429
Health care providers and services – 1.7%		
UnitedHealth Group, Inc.	18,765	9,879,210
Pharmaceuticals – 7.0%		
AstraZeneca PLC, ADR	103,599	6,977,393
Eli Lilly & Company	34,906	20,347,406
Novo Nordisk A/S, ADR	128,262	13,268,704
		40,593,503
		65,751,314
Industrials – 2.8%		
Aerospace and defense – 1.0%		
The Boeing Company (A)	22,484	5,860,679
Ground transportation – 1.8%		
Uber Technologies, Inc. (A)	175,138	10,783,247
		16,643,926
Information technology – 38.7%		
Electronic equipment, instruments and components – 0.5%		
Keysight Technologies, Inc. (A)	18,477	2,939,506
IT services – 2.4%		
MongoDB, Inc. (A)	16,259	6,647,492
Snowflake, Inc., Class A (A)	38,077	7,577,323
		14,224,815
Semiconductors and semiconductor equipment – 14.3%		
Advanced Micro Devices, Inc. (A)	153,631	22,646,746
ARM Holdings PLC, ADR (A)(B)	41,380	3,109,500
ASML Holding NV, NYRS	7,744	5,861,588
Broadcom, Inc.	14,821	16,543,941
NVIDIA Corp.	71,032	35,176,466
		83,338,241
Software – 17.0%		
Adobe, Inc. (A)	17,268	10,302,089
Cadence Design Systems, Inc. (A)	26,470	7,209,634
CrowdStrike Holdings, Inc., Class A (A)	29,110	7,432,365
HubSpot, Inc. (A)	5,349	3,105,308
Microsoft Corp.	125,317	47,124,205
Palo Alto Networks, Inc. (A)	5,689	1,677,572
Salesforce, Inc. (A)	43,083	11,336,861
ServiceNow, Inc. (A)	14,717	10,397,413
		98,585,447
Technology hardware, storage and peripherals – 4.5%		
Apple, Inc.	134,824	25,957,665
		225,045,674
Real estate – 1.2%		
Specialized REITs – 1.2%		
American Tower Corp.	32,396	6,993,648
TOTAL COMMON STOCKS (Cost \$409,805,628)		\$ 577,972,311
PREFERRED SECURITIES – 0.5%		
Consumer discretionary – 0.5%		
Automobiles – 0.5%		
Dr. Ing. h.c. F. Porsche AG (C)	33,147	2,919,492
TOTAL PREFERRED SECURITIES (Cost \$3,116,817)		\$ 2,919,492

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 1.0%		
Short-term funds – 1.0%		
John Hancock Collateral Trust, 5.3645% (D)(E)	484,578	\$ 4,845,876
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (D)	733,380	733,380
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,578,153)		\$ 5,579,256
Total Investments (Capital Appreciation Trust) (Cost \$418,500,598) – 100.8%		\$ 586,471,059
Other assets and liabilities, net – (0.8%)		(4,684,113)
TOTAL NET ASSETS – 100.0%		\$ 581,786,946

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 12-31-23.
(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 12-31-23.
(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 Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 61.6%		
Communication services – 4.1%		
Interactive media and services – 4.1%		
Alphabet, Inc., Class A (A)	100,185	\$ 13,994,843
Meta Platforms, Inc., Class A (A)	14,625	5,176,665
		19,171,508
Consumer discretionary – 4.9%		
Automobile components – 0.4%		
Mobileye Global, Inc., Class A (A)(B)	38,226	1,655,950
Broadline retail – 2.3%		
Amazon.com, Inc. (A)(C)	72,074	10,950,924
Hotels, restaurants and leisure – 2.2%		
Hilton Worldwide Holdings, Inc.	15,127	2,754,475
Yum! Brands, Inc.	57,020	7,450,233
		10,204,708
		22,811,582
Consumer staples – 0.5%		
Beverages – 0.5%		
Keurig Dr. Pepper, Inc.	74,464	2,481,140
Energy – 1.8%		
Oil, gas and consumable fuels – 1.8%		
Canadian Natural Resources, Ltd.	79,749	5,225,154
Chesapeake Energy Corp.	34,200	2,631,348
EOG Resources, Inc.	4,785	578,746
		8,435,248
Financials – 6.7%		
Banks – 0.6%		
The PNC Financial Services Group, Inc.	19,488	3,017,717
Capital markets – 3.2%		
Intercontinental Exchange, Inc.	35,297	4,533,194

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
KKR & Company, Inc.	45,577	\$ 3,776,054
Morgan Stanley	17,200	1,603,900
S&P Global, Inc. (C)	2,325	1,024,209
The Goldman Sachs Group, Inc.	9,800	3,780,546
		14,171,903
Financial services – 2.4%		
Mastercard, Inc., Class A	13,187	5,624,387
Visa, Inc., Class A	21,588	5,620,436
		11,244,823
Insurance – 0.5%		
Marsh & McLennan Companies, Inc. (C)	12,444	2,357,765
		31,338,208
Health care – 12.3%		
Biotechnology – 2.1%		
AbbVie, Inc.	25,820	4,001,325
Biogen, Inc. (A)	18,606	4,814,675
Karuna Therapeutics, Inc. (A)	2,495	789,692
		9,605,692
Health care equipment and supplies – 3.5%		
Becton, Dickinson and Company	39,973	9,746,617
GE HealthCare Technologies, Inc.	38,233	2,956,176
Stryker Corp. (C)	4,750	1,422,435
Teleflex, Inc.	9,333	2,327,090
		16,452,318
Health care providers and services – 2.6%		
Humana, Inc.	800	366,248
UnitedHealth Group, Inc.	22,582	11,888,746
		12,254,994
Life sciences tools and services – 3.4%		
Avantor, Inc. (A)	62,946	1,437,057
Danaher Corp.	23,299	5,389,991
Revvity, Inc.	82,892	9,060,925
		15,887,973
Pharmaceuticals – 0.7%		
Eli Lilly & Company	5,900	3,439,228
		57,640,205
Industrials – 9.1%		
Aerospace and defense – 1.0%		
RTX Corp.	53,600	4,509,904
Commercial services and supplies – 3.4%		
Republic Services, Inc.	5,271	869,241
Veralto Corp.	77,294	6,358,204
Waste Connections, Inc.	57,121	8,526,452
		15,753,897
Electrical equipment – 0.7%		
AMETEK, Inc.	21,461	3,538,704
Industrial conglomerates – 0.2%		
General Electric Company	7,009	894,559
Machinery – 3.5%		
Fortive Corp.	133,297	9,814,658
Ingersoll Rand, Inc.	82,884	6,410,249
		16,224,907
Professional services – 0.3%		
Equifax, Inc.	5,644	1,395,705
		42,317,676

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Information technology – 15.7%		
Electronic equipment, instruments and components – 1.1%		
Teledyne Technologies, Inc. (A)	11,879	\$ 5,301,479
Semiconductors and semiconductor equipment – 2.7%		
Analog Devices, Inc.	14,618	2,902,550
NVIDIA Corp.	14,250	7,056,885
NXP Semiconductors NV	11,590	2,661,991
		12,621,426
Software – 10.0%		
Aurora Innovation, Inc. (A)(B)	639,982	2,796,721
Intuit, Inc.	9,167	5,729,650
Microsoft Corp.	62,050	23,333,279
PTC, Inc. (A)	21,981	3,845,796
Roper Technologies, Inc.	10,287	5,608,164
Salesforce, Inc. (A)	19,607	5,159,386
		46,472,996
Technology hardware, storage and peripherals – 1.9%		
Apple, Inc.	45,053	8,674,054
		73,069,955
Materials – 0.9%		
Chemicals – 0.9%		
Linde PLC	10,451	4,292,330
Real estate – 0.3%		
Specialized REITs – 0.3%		
SBA Communications Corp.	4,948	1,255,258
Utilities – 5.3%		
Electric utilities – 2.3%		
Exelon Corp.	150,381	5,398,678
Xcel Energy, Inc.	89,697	5,553,141
		10,951,819
Multi-utilities – 2.8%		
Ameren Corp.	78,585	5,684,839
CenterPoint Energy, Inc.	134,662	3,847,293
DTE Energy Company	32,304	3,561,839
		13,093,971
Water utilities – 0.2%		
Essential Utilities, Inc.	18,271	682,422
		24,728,212
TOTAL COMMON STOCKS (Cost \$241,606,087)		\$ 287,541,322
PREFERRED SECURITIES – 0.2%		
Financials – 0.0%		
Capital markets – 0.0%		
The Charles Schwab Corp., 5.950%	832	20,883
Utilities – 0.2%		
Electric utilities – 0.0%		
SCE Trust IV, 5.375% (5.375% to 9-15-25, then 3 month CME Term SOFR + 3.394%)	11,157	245,454
Multi-utilities – 0.2%		
CMS Energy Corp., 5.875%	17,890	442,778
CMS Energy Corp., 5.875%	11,773	293,972
NiSource, Inc., 6.500% (6.500% to 3-15-24, then 5 Year CMT + 3.632% to 3-15-44, then 5 Year CMT + 4.632%)	3,896	97,244
		833,994
		1,079,448
TOTAL PREFERRED SECURITIES (Cost \$1,138,700)		\$ 1,100,331

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 11.3%		
U.S. Government – 11.3%		
U.S. Treasury Notes		
3.375%, 05/15/2033	\$ 21,750,000	\$ 20,873,203
3.500%, 02/15/2033	5,721,200	5,548,000
3.875%, 08/15/2033	14,876,900	14,858,304
4.500%, 11/15/2033	11,109,000	11,662,714
		52,942,221
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$51,465,875)		\$ 52,942,221
CORPORATE BONDS - 10.0%		
Communication services - 1.1%		
CCO Holdings LLC		
5.000%, 02/01/2028 (D)	2,258,000	2,160,415
5.125%, 05/01/2027 (D)	2,724,000	2,631,846
5.500%, 05/01/2026 (D)	138,000	137,081
Lamar Media Corp.		
3.625%, 01/15/2031	50,000	44,425
3.750%, 02/15/2028	100,000	93,802
4.875%, 01/15/2029	50,000	48,266
Live Nation Entertainment, Inc.		
4.875%, 11/01/2024 (D)	35,000	34,685
		5,150,520
Consumer discretionary - 2.6%		
Cedar Fair LP		
5.250%, 07/15/2029	659,000	621,678
5.375%, 04/15/2027	676,000	661,398
5.500%, 05/01/2025 (D)	410,000	407,939
6.500%, 10/01/2028	560,000	555,754
Clarios Global LP		
6.250%, 05/15/2026 (D)	222,000	222,288
6.750%, 05/15/2025 (D)	147,000	148,294
8.500%, 05/15/2027 (D)	650,000	652,266
Hilton Domestic Operating Company, Inc.		
3.625%, 02/15/2032 (D)	523,000	456,427
3.750%, 05/01/2029 (D)	448,000	415,353
4.000%, 05/01/2031 (D)	688,000	630,157
4.875%, 01/15/2030	425,000	411,892
5.375%, 05/01/2025 (D)	99,000	98,713
5.750%, 05/01/2028 (D)	415,000	415,157
Hilton Worldwide Finance LLC		
4.875%, 04/01/2027	50,000	49,254
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
4.750%, 06/01/2027 (D)	1,270,000	1,250,696
Life Time, Inc.		
5.750%, 01/15/2026 (D)	365,000	362,376
Marriott International, Inc.		
3.125%, 06/15/2026	7,000	6,726
Service Corp. International		
3.375%, 08/15/2030	100,000	87,210
4.625%, 12/15/2027	44,000	42,570
Six Flags Entertainment Corp.		
5.500%, 04/15/2027 (D)	1,061,000	1,037,186
Six Flags Theme Parks, Inc.		
7.000%, 07/01/2025 (D)	249,000	250,078
Vail Resorts, Inc.		
6.250%, 05/15/2025 (D)	50,000	49,750
Yum! Brands, Inc.		
3.625%, 03/15/2031	276,000	248,895
4.625%, 01/31/2032	847,000	792,029
4.750%, 01/15/2030 (D)	347,000	336,354
5.350%, 11/01/2043	579,000	563,078
5.375%, 04/01/2032	1,019,000	1,001,165

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Yum! Brands, Inc. (continued)		
6.875%, 11/15/2037	\$ 382,000	\$ 419,467
		12,194,150
Energy - 0.0%		
Pioneer Natural Resources Company		
1.125%, 01/15/2026	39,000	36,201
2.150%, 01/15/2031	98,000	83,256
5.100%, 03/29/2026	81,000	81,590
		201,047
Financials - 3.3%		
Alliant Holdings Intermediate LLC		
4.250%, 10/15/2027 (D)	75,000	72,079
5.875%, 11/01/2029 (D)	75,000	71,062
6.750%, 10/15/2027 to 04/15/2028 (D)	2,144,000	2,175,233
7.000%, 01/15/2031 (D)	1,355,000	1,429,342
AmWINS Group, Inc.		
4.875%, 06/30/2029 (D)	135,000	123,287
BroadStreet Partners, Inc.		
5.875%, 04/15/2029 (D)	300,000	280,035
HUB International, Ltd.		
5.625%, 12/01/2029 (D)	165,000	157,405
7.000%, 05/01/2026 (D)	2,785,000	2,795,764
7.250%, 06/15/2030 (D)	4,676,000	4,938,931
Intercontinental Exchange, Inc.		
4.000%, 09/15/2027	59,000	58,010
MSCI, Inc.		
3.250%, 08/15/2033 (D)	270,000	225,662
3.625%, 09/01/2030 to 11/01/2031 (D)	1,059,000	947,033
3.875%, 02/15/2031 (D)	657,000	600,288
4.000%, 11/15/2029 (D)	414,000	389,109
Ryan Specialty LLC		
4.375%, 02/01/2030 (D)	135,000	125,213
USI, Inc.		
7.500%, 01/15/2032 (D)	1,079,000	1,104,680
		15,493,133
Health care - 1.2%		
Avantor Funding, Inc.		
3.875%, 11/01/2029 (D)	700,000	635,682
4.625%, 07/15/2028 (D)	1,143,000	1,104,688
Becton, Dickinson and Company		
3.700%, 06/06/2027	118,000	114,347
Biogen, Inc.		
3.150%, 05/01/2050	309,000	216,968
Charles River Laboratories International, Inc.		
3.750%, 03/15/2029 (D)	413,000	378,193
4.000%, 03/15/2031 (D)	342,000	308,957
4.250%, 05/01/2028 (D)	110,000	104,705
Heartland Dental LLC		
8.500%, 05/01/2026 (D)	572,000	563,420
10.500%, 04/30/2028 (D)	431,000	447,180
Hologic, Inc.		
3.250%, 02/15/2029 (D)	93,000	84,316
IQVIA, Inc.		
5.000%, 05/15/2027 (D)	200,000	196,289
5.700%, 05/15/2028 (D)	577,000	587,709
6.500%, 05/15/2030 (D)	200,000	205,022
PRA Health Sciences, Inc.		
2.875%, 07/15/2026 (D)	200,000	186,887
Surgery Center Holdings, Inc.		
10.000%, 04/15/2027 (D)	241,000	243,410
Teleflex, Inc.		
4.250%, 06/01/2028 (D)	50,000	47,389

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Teleflex, Inc. (continued)		
4.625%, 11/15/2027	\$ 285,000	\$ 277,036
		5,702,198
Industrials - 1.2%		
Booz Allen Hamilton, Inc.		
3.875%, 09/01/2028 (D)	386,000	363,611
4.000%, 07/01/2029 (D)	147,000	137,761
5.950%, 08/04/2033	138,000	145,783
Delta Air Lines, Inc.		
4.750%, 10/20/2028 (D)	475,048	467,204
GFL Environmental, Inc.		
4.000%, 08/01/2028 (D)	229,000	211,686
4.375%, 08/15/2029 (D)	43,000	39,684
4.750%, 06/15/2029 (D)	463,000	436,127
6.750%, 01/15/2031 (D)	136,000	140,118
Howmet Aerospace, Inc.		
3.000%, 01/15/2029	192,000	175,440
5.900%, 02/01/2027	29,000	29,744
Korn Ferry		
4.625%, 12/15/2027 (D)	198,000	190,809
Mileage Plus Holdings LLC		
6.500%, 06/20/2027 (D)	564,767	566,370
Sensata Technologies BV		
4.000%, 04/15/2029 (D)	200,000	185,863
5.000%, 10/01/2025 (D)	325,000	325,393
5.875%, 09/01/2030 (D)	200,000	198,703
Sensata Technologies, Inc.		
3.750%, 02/15/2031 (D)	100,000	88,073
4.375%, 02/15/2030 (D)	50,000	46,373
TransDigm, Inc.		
5.500%, 11/15/2027	370,000	362,499
6.250%, 03/15/2026 (D)	872,000	870,493
7.125%, 12/01/2031 (D)	218,000	228,445
United Airlines 2012-1 Class A Pass Through Trust		
4.150%, 10/11/2025	120,801	120,249
US Airways 2012-2 Class A Pass Through Trust		
4.625%, 06/03/2025	9,658	9,389
US Airways 2013-1 Class A Pass Through Trust		
3.950%, 05/15/2027	94,798	90,569
		5,430,386
Information technology - 0.2%		
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (D)	50,000	47,313
Clarivate Science Holdings Corp.		
3.875%, 07/01/2028 (D)	102,000	96,175
4.875%, 07/01/2029 (D)	80,000	75,067
CrowdStrike Holdings, Inc.		
3.000%, 02/15/2029	24,000	21,689
Gartner, Inc.		
3.625%, 06/15/2029 (D)	227,000	204,886
3.750%, 10/01/2030 (D)	50,000	44,199
4.500%, 07/01/2028 (D)	147,000	139,404
PTC, Inc.		
4.000%, 02/15/2028 (D)	50,000	47,385
		676,118
Materials - 0.1%		
Ball Corp.		
6.000%, 06/15/2029	495,000	505,481
Real estate - 0.3%		
SBA Communications Corp.		
3.125%, 02/01/2029	602,000	540,895

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
SBA Communications Corp. (continued) 3.875%, 02/15/2027	\$ 625,000	\$ 600,196
		1,141,091
TOTAL CORPORATE BONDS (Cost \$45,765,473)		\$ 46,494,124
TERM LOANS (E) – 10.5%		
Communication services – 0.1%		
Charter Communications Operating LLC, 2019 Term Loan B2 (3 month CME Term SOFR + 1.750%) 7.133%, 02/01/2027	407,234	406,981
Consumer discretionary – 0.6%		
Hilton Domestic Operating Company, Inc., 2023 Term Loan B3 (1 month CME Term SOFR + 1.750%) 7.207%, 06/21/2028	1,101,266	1,102,874
IRB Holding Corp., 2022 Term Loan B (1 month CME Term SOFR + 3.000%) 8.456%, 12/15/2027	1,401,788	1,402,783
New Red Finance, Inc., 2023 Term Loan B5 (1 month CME Term SOFR + 2.250%) 7.606%, 09/20/2030	255,892	255,800
		2,761,457
Consumer staples – 0.3%		
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month CME Term SOFR + 3.500%) 8.948%, 10/01/2026	1,287,868	1,293,393
Financials – 4.0%		
Alliant Holdings Intermediate LLC, 2023 Term Loan B6 (3 month CME Term SOFR + 3.500%) 8.865%, 11/06/2030	2,328,394	2,335,962
AssuredPartners, Inc., 2020 Term Loan B (1 month CME Term SOFR + 3.500%) 8.970%, 02/12/2027	104,945	105,116
AssuredPartners, Inc., 2021 Term Loan B (1 month CME Term SOFR + 3.500%) 8.970%, 02/12/2027	37,910	37,957
AssuredPartners, Inc., 2022 Term Loan (1 month CME Term SOFR + 3.500%) 8.856%, 02/12/2027	542,790	543,604
AssuredPartners, Inc., 2023 Term Loan B4 (1 month CME Term SOFR + 3.750%) 9.220%, 02/12/2027	824,960	826,437
BroadStreet Partners, Inc., 2020 Term Loan B (1 month CME Term SOFR + 3.000%) 8.470%, 01/27/2027	182,838	182,831
BroadStreet Partners, Inc., 2023 Term Loan B3 (1 month CME Term SOFR + 4.000%) 9.106%, 01/27/2029	925,939	927,384
Howden Group Holdings, Ltd., 2021 Term Loan B (1 month LIBOR + 3.250%) 8.750%, 11/12/2027	1,418,662	1,419,953
HUB International, Ltd., 2022 Term Loan B (3 month CME Term SOFR + 4.000%) 9.369%, 11/10/2029	757,191	759,591
HUB International, Ltd., 2023 Term Loan B (3 month CME Term SOFR + 4.250%) 9.662%, 06/20/2030	6,998,459	7,024,844
Ryan Specialty LLC, Term Loan (1 month CME Term SOFR + 3.000%) 8.456%, 09/01/2027	543,053	541,695
USI, Inc., 2022 Incremental Term Loan (3 month CME Term SOFR + 3.750%) 9.110%, 11/22/2029	1,492,214	1,493,378

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (E)(continued)		
Financials (continued)		
USI, Inc., 2023 Acquisition Term Loan (3 month CME Term SOFR + 3.250%) 8.598%, 09/27/2030	\$ 2,325,864	2,326,585
		18,525,337
Health care – 1.4%		
ADMI Corp., 2021 Incremental Term Loan B3 (3 month CME Term SOFR + 3.750%) 9.220%, 12/23/2027	1,041,038	986,383
ADMI Corp., 2021 Term Loan B2 (3 month CME Term SOFR + 3.375%) 8.845%, 12/23/2027	575,250	541,598
athenahealth, Inc., 2022 Term Loan B (1 month CME Term SOFR + 3.250%) 8.606%, 02/15/2029	1,851,203	1,841,022
Avantor Funding, Inc., 2021 Term Loan B5 (1 month CME Term SOFR + 2.250%) 7.706%, 11/08/2027	58,853	58,935
Heartland Dental LLC, 2023 Term Loan B (1 month CME Term SOFR + 5.000%) 10.358%, 04/28/2028	1,475,187	1,469,891
Loire Finco Luxembourg Sarl, 2021 USD Term Loan B2 (1 month CME Term SOFR + 3.750%) 9.106%, 04/21/2027	99,501	96,864
Loire Finco Luxembourg Sarl, USD Term Loan B (1 month CME Term SOFR + 3.500%) 8.856%, 04/21/2027	1,431,747	1,393,563
		6,388,256
Industrials – 1.5%		
Filtration Group Corp., 2021 Incremental Term Loan (1 month CME Term SOFR + 3.500%) 8.970%, 10/21/2028	718,878	719,122
Filtration Group Corp., 2023 EUR Term Loan (1 month EURIBOR + 4.250%) 8.093%, 10/21/2028	EUR 682,917	751,080
Filtration Group Corp., 2023 USD Term Loan (1 month CME Term SOFR + 4.250%) 9.720%, 10/21/2028	\$ 1,247,402	1,251,556
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month CME Term SOFR + 5.250%) 10.770%, 06/21/2027	2,648,502	2,735,531
SkyMiles IP, Ltd., 2020 Skymiles Term Loan B (3 month CME Term SOFR + 3.750%) 9.166%, 10/20/2027	1,129,979	1,155,754
TransDigm, Inc., 2022 Term Loan H (3 month CME Term SOFR + 3.250%) 8.598%, 02/22/2027	27,081	27,175
TransUnion LLC, 2019 Term Loan B5 (1 month CME Term SOFR + 1.750%) 7.206%, 11/16/2026	602,657	603,061
		7,243,279
Information technology – 2.5%		
Applied Systems, Inc., 2021 2nd Lien Term Loan (3 month CME Term SOFR + 6.750%) 12.098%, 09/17/2027	522,609	524,851
Applied Systems, Inc., 2022 Extended 1st Lien Term Loan (3 month CME Term SOFR + 4.500%) 9.848%, 09/18/2026	2,647,662	2,656,981
Azalea TopCo, Inc., 2021 Term Loan B (1 month CME Term SOFR + 3.750%) 9.220%, 07/24/2026	494,000	486,590
Azalea TopCo, Inc., 2022 Incremental Term Loan (1 month CME Term SOFR + 3.750%) 9.206%, 07/24/2026	135,931	134,062

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (E)(continued)		
Information technology (continued)		
Azalea TopCo, Inc., Term Loan (1 month CME Term SOFR + 3.500%) 8.970%, 07/24/2026	\$ 1,451,637	1,434,217
Epicor Software Corp., 2020 Term Loan (1 month CME Term SOFR + 3.250%) 8.720%, 07/30/2027	82,090	82,302
Epicor Software Corp., 2023 Incremental Term Loan (1 month CME Term SOFR + 3.750%) 9.106%, 07/30/2027	55,977	56,425
Quartz Acquireco LLC, Term Loan B (1 month CME Term SOFR + 3.500%) 8.856%, 06/28/2030	52,047	52,177
RealPage, Inc., 1st Lien Term Loan (1 month CME Term SOFR + 3.000%) 8.470%, 04/24/2028	1,456,276	1,442,995
RealPage, Inc., 2nd Lien Term Loan (1 month CME Term SOFR + 6.500%) 11.970%, 04/23/2029	75,000	74,813
Sophia LP, 2021 Term Loan B (1 month CME Term SOFR + 3.500%) 8.956%, 10/07/2027	624,555	625,142
Sophia LP, 2022 Incremental Term Loan B (1 month CME Term SOFR + 4.250%) 9.606%, 10/07/2027	99,244	99,017
Storable, Inc., Term Loan B (1 and 3 month CME Term SOFR + 3.500%) 8.800%, 04/17/2028	744,027	741,705
UKG, Inc., 2021 Term Loan (3 month CME Term SOFR + 3.250%) 8.764%, 05/04/2026	3,530,287	3,536,042
		11,947,319
Real estate – 0.1%		
SBA Senior Finance II LLC, 2018 Term Loan B (1 month CME Term SOFR + 1.750%) 7.210%, 04/11/2025	540,838	541,270
TOTAL TERM LOANS (Cost \$48,944,555)		\$ 49,107,292
ASSET BACKED SECURITIES - 0.1%		
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (D)	327,048	\$ 311,928
Domino's Pizza Master Issuer LLC Series 2019-1A, Class A2 3.668%, 10/25/2049 (D)	206,938	188,797
TOTAL ASSET BACKED SECURITIES (Cost \$531,110)		\$ 500,725

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 6.7%		
Short-term funds – 6.2%		
John Hancock Collateral Trust, 5.3645% (F)(G)	367,750	\$ 3,677,578
T. Rowe Price Government Reserve Fund, 5.3873% (F)	25,505,985	25,505,985
		29,183,563
Repurchase agreement – 0.5%		
Repurchase Agreement with State Street Corp. dated 12-29-23 at 1.600% to be repurchased at \$2,242,399 on 1-2-24, collateralized by \$2,305,400 U.S. Treasury Notes, 3.875% due 1-15-26 (valued at \$2,286,849)	\$ 2,242,000	2,242,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$31,425,440)		\$ 31,425,563
Total Investments (Capital Appreciation Value Trust) (Cost \$420,877,240) – 100.4%		\$ 469,111,578
Other assets and liabilities, net – (0.4%)		(2,068,215)
TOTAL NET ASSETS – 100.0%		\$ 467,043,363

Currency Abbreviations

EUR Euro

Security Abbreviations and Legend

CME	CME Group Published Rates
CMT	Constant Maturity Treasury
EURIBOR	Euro Interbank Offered Rate
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-23.
(C)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
(D)	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.
(E)	Term loans are variable rate obligations. The rate shown represents the rate at period end.
(F)	The rate shown is the annualized seven-day yield as of 12-31-23.
(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

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	175.00	Jan 2024	23	2,300	\$ 11,655	\$ (6)
JPM	AbbVie, Inc.	USD	180.00	Jan 2024	11	1,100	10,948	—
JPM	AbbVie, Inc.	USD	180.00	Jan 2024	23	2,300	11,036	(1)
JPM	AbbVie, Inc.	USD	185.00	Jan 2024	11	1,100	9,136	—
JPM	AbbVie, Inc.	USD	195.00	Jan 2024	11	1,100	6,168	—
JPM	AbbVie, Inc.	USD	200.00	Jan 2024	11	1,100	5,016	—
CITI	AbbVie, Inc.	USD	160.00	Jan 2025	37	3,700	44,659	(39,836)
CITI	AbbVie, Inc.	USD	165.00	Jan 2025	37	3,700	37,259	(31,998)
JPM	AbbVie, Inc.	USD	165.00	Jan 2025	24	2,400	17,214	(20,756)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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	AbbVie, Inc.	USD	170.00	Jan 2025	24	2,400	\$ 13,150	\$ (16,411)
CITI	AbbVie, Inc.	USD	175.00	Jan 2025	46	4,600	30,912	(24,515)
CITI	Alphabet, Inc., Class A	USD	142.00	Jan 2024	58	5,800	37,305	(10,920)
WFB	Amazon.com, Inc.	USD	135.00	Jan 2024	59	5,900	55,134	(103,442)
UBS	Analog Devices, Inc.	USD	200.00	Jan 2024	10	1,000	7,997	(3,230)
UBS	Analog Devices, Inc.	USD	200.00	Jan 2024	2	200	2,309	(646)
UBS	Analog Devices, Inc.	USD	210.00	Jan 2024	2	200	1,557	(92)
UBS	Analog Devices, Inc.	USD	210.00	Jun 2024	2	200	2,771	(1,992)
UBS	Analog Devices, Inc.	USD	220.00	Jun 2024	2	200	2,075	(1,294)
JPM	Apple, Inc.	USD	195.00	Jan 2024	28	2,800	20,170	(5,549)
JPM	Apple, Inc.	USD	195.00	Jan 2024	5	500	4,925	(991)
JPM	Apple, Inc.	USD	200.00	Jan 2024	28	2,800	15,277	(1,651)
JPM	Apple, Inc.	USD	205.00	Jan 2024	5	500	2,892	(78)
GSI	Becton, Dickinson and Company	USD	270.00	Jan 2024	17	1,700	25,279	(17)
GSI	Becton, Dickinson and Company	USD	280.00	Jan 2024	18	1,800	20,106	—
GSI	Becton, Dickinson and Company	USD	290.00	Jan 2024	6	600	8,834	—
GSI	Becton, Dickinson and Company	USD	290.00	Jan 2024	5	500	3,232	—
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2024	6	600	7,040	—
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2024	5	500	2,310	—
JPM	Danaher Corp.	USD	290.00	Jan 2024	6	600	15,652	(2)
JPM	Danaher Corp.	USD	290.00	Jan 2024	23	2,300	37,410	(8)
JPM	Danaher Corp.	USD	300.00	Jan 2024	6	600	13,245	(1)
JPM	Danaher Corp.	USD	310.00	Jan 2024	6	600	11,079	—
JPM	Danaher Corp.	USD	320.00	Jan 2024	6	600	9,332	—
CITI	Equifax, Inc.	USD	230.00	Jan 2024	2	200	2,605	(3,729)
CITI	Equifax, Inc.	USD	240.00	Jan 2024	2	200	1,895	(2,029)
JPM	Exelon Corp.	USD	45.00	Jan 2024	40	4,000	8,880	—
JPM	Exelon Corp.	USD	45.00	Jan 2024	78	7,800	14,430	—
JPM	Exelon Corp.	USD	45.00	Jan 2024	43	4,300	7,181	—
JPM	Exelon Corp.	USD	45.00	Jan 2024	5	500	520	—
JPM	Exelon Corp.	USD	47.00	Jan 2024	40	4,000	6,080	—
JPM	Exelon Corp.	USD	50.00	Jan 2024	45	4,500	8,759	—
JPM	Exelon Corp.	USD	47.00	Jun 2024	5	500	670	(21)
WFB	GE HealthCare Technologies, Inc.	USD	85.00	Jan 2024	11	1,100	5,209	(71)
WFB	GE HealthCare Technologies, Inc.	USD	90.00	Jan 2024	24	2,400	7,834	(16)
WFB	GE HealthCare Technologies, Inc.	USD	90.00	Jan 2024	11	1,100	3,158	(7)
WFB	Hilton Worldwide Holdings, Inc.	USD	160.00	Jan 2024	12	1,200	6,489	(27,219)
CITI	Intercontinental Exchange, Inc.	USD	115.00	Jan 2024	29	2,900	17,106	(40,120)
CITI	Intercontinental Exchange, Inc.	USD	115.00	Jan 2024	5	500	1,742	(6,917)
CITI	Intercontinental Exchange, Inc.	USD	125.00	Jan 2025	21	2,100	13,040	(32,211)
CITI	Intercontinental Exchange, Inc.	USD	125.00	Jan 2025	16	1,600	11,918	(24,541)
CITI	Intercontinental Exchange, Inc.	USD	130.00	Jan 2025	21	2,100	9,264	(26,030)
CITI	Intercontinental Exchange, Inc.	USD	130.00	Jan 2025	16	1,600	8,573	(19,833)
CITI	Keurig Dr. Pepper, Inc.	USD	37.00	Jan 2024	31	3,100	5,487	—
CITI	Keurig Dr. Pepper, Inc.	USD	40.00	Jan 2024	31	3,100	2,449	—
CITI	Keurig Dr. Pepper, Inc.	USD	35.00	Jan 2025	76	7,600	15,031	(17,716)
CITI	Keurig Dr. Pepper, Inc.	USD	37.00	Jan 2025	76	7,600	9,498	(11,660)
UBS	KKR & Company, Inc.	USD	65.00	Jan 2024	5	500	1,468	(9,030)
WFB	Linde PLC	USD	390.00	Jan 2024	5	500	8,486	(11,393)
WFB	Linde PLC	USD	390.00	Jan 2024	5	500	9,180	(11,393)
WFB	Linde PLC	USD	395.00	Jan 2024	2	200	2,410	(3,650)
WFB	Linde PLC	USD	410.00	Jan 2024	2	200	1,559	(1,341)
WFB	Linde PLC	USD	460.00	Jan 2025	5	500	10,307	(9,585)
WFB	Linde PLC	USD	460.00	Jan 2025	6	600	15,653	(11,502)
WFB	Linde PLC	USD	480.00	Jan 2025	5	500	7,126	(6,544)
WFB	Linde PLC	USD	480.00	Jan 2025	6	600	10,975	(7,852)
GSI	Marsh & McLennan Companies, Inc.	USD	200.00	Jan 2024	2	200	591	(17)
GSI	Marsh & McLennan Companies, Inc.	USD	210.00	Jul 2024	12	1,200	9,507	(3,789)
GSI	Marsh & McLennan Companies, Inc.	USD	220.00	Jul 2024	12	1,200	4,847	(1,688)
GSI	Mastercard, Inc., Class A	USD	410.00	Jan 2024	18	1,800	33,448	(33,181)
GSI	Mastercard, Inc., Class A	USD	420.00	Jan 2024	5	500	10,973	(5,098)
GSI	Mastercard, Inc., Class A	USD	420.00	Jan 2024	5	500	14,386	(5,098)
GSI	Mastercard, Inc., Class A	USD	420.00	Jan 2024	2	200	2,905	(2,039)
GSI	Mastercard, Inc., Class A	USD	425.00	Jan 2024	2	200	2,300	(1,369)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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	430.00	Jan 2024	5	500	\$ 9,644	\$ (2,112)
GSI	Mastercard, Inc., Class A	USD	430.00	Jan 2024	5	500	12,514	(2,112)
UBS	Microsoft Corp.	USD	360.00	Jan 2024	11	1,100	21,684	(20,454)
UBS	Microsoft Corp.	USD	365.00	Jan 2024	4	400	8,694	(5,774)
UBS	Microsoft Corp.	USD	375.00	Jan 2024	11	1,100	15,618	(8,212)
UBS	Microsoft Corp.	USD	385.00	Jan 2024	4	400	5,633	(1,211)
WFB	NXP Semiconductors NV	USD	210.00	Jan 2024	5	500	7,703	(10,481)
WFB	NXP Semiconductors NV	USD	220.00	Jan 2024	5	500	5,845	(6,170)
WFB	NXP Semiconductors NV	USD	220.00	Jun 2024	4	400	7,461	(10,941)
WFB	Republic Services, Inc.	USD	170.00	Jul 2024	5	500	2,500	(3,283)
WFB	Republic Services, Inc.	USD	175.00	Jul 2024	5	500	1,603	(2,200)
CITI	Roper Technologies, Inc.	USD	510.00	Feb 2024	2	200	2,329	(8,301)
CITI	Roper Technologies, Inc.	USD	580.00	Dec 2024	3	300	7,190	(8,894)
CITI	Roper Technologies, Inc.	USD	580.00	Dec 2024	2	200	4,987	(5,929)
CITI	Roper Technologies, Inc.	USD	580.00	Dec 2024	5	500	14,340	(14,823)
CITI	Roper Technologies, Inc.	USD	600.00	Dec 2024	3	300	5,190	(6,560)
CITI	Roper Technologies, Inc.	USD	600.00	Dec 2024	2	200	3,618	(4,373)
CITI	Roper Technologies, Inc.	USD	600.00	Dec 2024	5	500	10,047	(10,933)
BOA	S&P Global, Inc.	USD	400.00	Jan 2024	1	100	2,019	(4,197)
BOA	S&P Global, Inc.	USD	400.00	Jan 2024	1	100	2,182	(4,197)
BOA	S&P Global, Inc.	USD	400.00	Jan 2024	1	100	2,800	(4,197)
UBS	S&P Global, Inc.	USD	400.00	Jan 2024	2	200	3,109	(8,394)
BOA	S&P Global, Inc.	USD	410.00	Jan 2024	2	200	4,759	(6,449)
UBS	S&P Global, Inc.	USD	410.00	Jan 2024	2	200	2,446	(6,449)
BOA	S&P Global, Inc.	USD	420.00	Jan 2024	1	100	1,474	(2,287)
BOA	S&P Global, Inc.	USD	420.00	Jan 2024	1	100	1,623	(2,287)
BOA	S&P Global, Inc.	USD	420.00	Jan 2024	1	100	2,019	(2,287)
BOA	S&P Global, Inc.	USD	430.00	Jan 2024	2	200	3,481	(2,861)
BOA	S&P Global, Inc.	USD	450.00	Jan 2024	2	200	2,509	(559)
BOA	S&P Global, Inc.	USD	470.00	Jan 2024	2	200	1,711	(32)
GSI	Salesforce, Inc.	USD	230.00	Jan 2024	5	500	9,761	(17,021)
GSI	Salesforce, Inc.	USD	230.00	Jan 2024	2	200	3,021	(6,808)
GSI	Salesforce, Inc.	USD	240.00	Jan 2024	5	500	7,718	(12,133)
GSI	Salesforce, Inc.	USD	240.00	Jan 2024	2	200	2,314	(4,853)
GSI	Salesforce, Inc.	USD	230.00	Jun 2024	2	200	4,800	(9,165)
GSI	Salesforce, Inc.	USD	240.00	Jun 2024	2	200	3,991	(7,677)
WFB	Stryker Corp.	USD	290.00	Jan 2024	3	300	4,684	(3,657)
WFB	Stryker Corp.	USD	290.00	Jan 2024	2	200	3,656	(2,438)
WFB	Stryker Corp.	USD	290.00	Jan 2024	5	500	9,781	(6,094)
WFB	Stryker Corp.	USD	300.00	Jan 2024	3	300	3,842	(1,580)
WFB	Stryker Corp.	USD	300.00	Jan 2024	2	200	3,044	(1,053)
WFB	Stryker Corp.	USD	300.00	Jan 2024	5	500	8,025	(2,633)
WFB	Stryker Corp.	USD	310.00	Jan 2024	8	800	11,100	(1,199)
WFB	Stryker Corp.	USD	320.00	Jan 2024	13	1,300	17,375	(391)
WFB	Stryker Corp.	USD	330.00	Jan 2025	3	300	5,442	(6,064)
WFB	Stryker Corp.	USD	340.00	Jan 2025	3	300	4,476	(4,972)
JPM	The PNC Financial Services Group, Inc.	USD	170.00	Jan 2024	7	700	6,451	(238)
JPM	The PNC Financial Services Group, Inc.	USD	170.00	Jan 2024	8	800	7,365	(272)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	5	500	6,348	(67)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	4	400	4,544	(53)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	7	700	5,275	(93)
JPM	The PNC Financial Services Group, Inc.	USD	175.00	Jan 2024	8	800	6,152	(107)
JPM	The PNC Financial Services Group, Inc.	USD	185.00	Jan 2024	6	600	5,654	(8)
JPM	The PNC Financial Services Group, Inc.	USD	185.00	Jan 2024	4	400	3,365	(6)
JPM	The PNC Financial Services Group, Inc.	USD	190.00	Jan 2024	4	400	2,816	(2)
JPM	The PNC Financial Services Group, Inc.	USD	190.00	Jan 2024	6	600	4,820	(2)
JPM	The PNC Financial Services Group, Inc.	USD	200.00	Jan 2024	6	600	3,344	—
JPM	The PNC Financial Services Group, Inc.	USD	200.00	Jan 2024	4	400	1,924	—
JPM	Thermo Fisher Scientific, Inc.	USD	660.00	Jan 2024	1	100	3,452	—
JPM	Thermo Fisher Scientific, Inc.	USD	660.00	Jan 2024	1	100	4,842	—
JPM	Thermo Fisher Scientific, Inc.	USD	690.00	Jan 2024	1	100	2,598	—
JPM	UnitedHealth Group, Inc.	USD	550.00	Jan 2024	5	500	5,625	(1,251)
CITI	UnitedHealth Group, Inc.	USD	580.00	Jan 2025	18	1,800	76,672	(55,129)
JPM	UnitedHealth Group, Inc.	USD	600.00	Jan 2025	20	2,000	63,697	(47,019)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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	Visa, Inc., Class A	USD	240.00	Jan 2024	8	800	\$ 12,083	\$ (17,014)
GSI	Visa, Inc., Class A	USD	240.00	Jan 2024	8	800	14,938	(17,014)
GSI	Visa, Inc., Class A	USD	240.00	Jan 2024	2	200	2,334	(4,253)
GSI	Visa, Inc., Class A	USD	245.00	Jan 2024	8	800	7,975	(13,137)
GSI	Visa, Inc., Class A	USD	250.00	Jan 2024	8	800	9,264	(9,399)
GSI	Visa, Inc., Class A	USD	250.00	Jan 2024	8	800	11,578	(9,399)
GSI	Visa, Inc., Class A	USD	260.00	Jan 2024	8	800	7,086	(3,165)
GSI	Visa, Inc., Class A	USD	260.00	Jan 2024	8	800	8,778	(3,165)
GSI	Visa, Inc., Class A	USD	260.00	Jan 2024	2	200	884	(791)
GSI	Visa, Inc., Class A	USD	250.00	Jun 2024	1	100	1,447	(2,362)
GSI	Visa, Inc., Class A	USD	260.00	Jun 2024	1	100	1,067	(1,714)
WFB	Yum! Brands, Inc.	USD	140.00	Jan 2024	41	4,100	40,881	(127)
WFB	Yum! Brands, Inc.	USD	140.00	Jan 2024	41	4,100	40,217	(127)
CITI	Yum! Brands, Inc.	USD	145.00	Jan 2024	20	2,000	11,242	(6)
CITI	Yum! Brands, Inc.	USD	150.00	Jan 2024	20	2,000	10,042	(1)
WFB	Yum! Brands, Inc.	USD	145.00	Jan 2025	21	2,100	9,439	(11,883)
WFB	Yum! Brands, Inc.	USD	145.00	Jan 2025	15	1,500	7,838	(8,488)
WFB	Yum! Brands, Inc.	USD	145.00	Jan 2025	6	600	3,252	(3,395)
WFB	Yum! Brands, Inc.	USD	150.00	Jan 2025	21	2,100	6,594	(8,616)
WFB	Yum! Brands, Inc.	USD	150.00	Jan 2025	15	1,500	5,502	(6,154)
WFB	Yum! Brands, Inc.	USD	150.00	Jan 2025	6	600	2,292	(2,462)
							\$1,526,462	\$(1,091,741)

Derivatives Currency Abbreviations

USD U.S. Dollar

Derivatives Abbreviations

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.

Disciplined Value International Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 97.3%		
Austria - 1.1%		
ANDRITZ AG	50,193	\$ 3,122,649
Belgium - 0.6%		
Azelis Group NV	72,158	1,771,596
Bermuda - 2.3%		
Everest Group, Ltd.	12,148	4,295,290
Hiscox, Ltd.	162,275	2,180,448
		6,475,738
Brazil - 0.8%		
Banco do Brasil SA	195,400	2,227,450
Canada - 7.9%		
Allied Gold Corp. (A)	234,958	622,394
Cenovus Energy, Inc.	450,594	7,508,483
Kinross Gold Corp.	944,859	5,718,855
Suncor Energy, Inc.	77,781	2,491,833
Teck Resources, Ltd., Class B	143,457	6,063,942
		22,405,507

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China - 0.9%		
Alibaba Group Holding, Ltd.	251,600	\$ 2,423,548
Finland - 2.0%		
Fortum OYJ	256,025	3,698,055
Nordea Bank ABP (Nasdaq Stockholm Exchange)	147,957	1,836,797
		5,534,852
France - 8.9%		
Airbus SE	16,660	2,573,771
AXA SA	107,307	3,504,259
Capgemini SE	7,836	1,637,655
Cie de Saint-Gobain SA	24,905	1,836,673
Imerys SA	38,006	1,198,395
Kering SA	2,032	899,968
Rexel SA	91,631	2,514,921
Sanofi SA	51,527	5,120,370
SPIE SA	115,442	3,613,534
STMicroelectronics NV	22,218	1,114,430

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Technip Energies NV	49,670	\$ 1,159,407
		25,173,383
Germany - 6.7%		
Allianz SE	10,688	2,856,269
Commerzbank AG	418,136	4,969,869
Daimler Truck Holding AG	68,984	2,591,314
Infineon Technologies AG	48,961	2,044,735
Siemens AG	34,301	6,435,174
		18,897,361
India - 1.4%		
HDFC Bank, Ltd., ADR	57,089	3,831,243
Ireland - 5.7%		
AIB Group PLC	390,760	1,673,528
CRH PLC (London Stock Exchange)	115,043	7,917,167
Ryanair Holdings PLC, ADR (A)	48,653	6,488,364
		16,079,059
Italy - 0.5%		
Iveco Group NV (A)	149,931	1,351,810
Japan - 19.2%		
Asahi Group Holdings, Ltd. (B)	108,800	4,051,319
Honda Motor Company, Ltd.	190,400	1,964,017
Kansai Paint Company, Ltd.	212,200	3,618,317
KDDI Corp.	151,300	4,799,010
Mitsubishi Chemical Group Corp.	357,700	2,186,663
Mitsubishi Electric Corp.	107,600	1,521,904
Mitsubishi Heavy Industries, Ltd.	84,800	4,937,407
Panasonic Holdings Corp.	216,400	2,131,016
Renesas Electronics Corp. (A)	287,100	5,133,625
Resona Holdings, Inc.	654,700	3,318,894
Ryohin Keikaku Company, Ltd.	327,500	5,470,107
Sony Group Corp.	69,400	6,567,524
Subaru Corp.	107,900	1,968,033
Sumitomo Mitsui Financial Group, Inc.	77,000	3,746,808
Suzuki Motor Corp.	64,600	2,753,030
		54,167,674
Jordan - 0.4%		
Hikma Pharmaceuticals PLC	44,515	1,014,366
Netherlands - 4.9%		
Aalberts NV	51,716	2,247,954
ING Groep NV	280,019	4,198,749
Koninklijke Ahold Delhaize NV	125,153	3,600,826
Stellantis NV	159,214	3,728,652
		13,776,181
Singapore - 1.8%		
Genting Singapore, Ltd.	3,962,400	3,001,346
United Overseas Bank, Ltd.	102,400	2,210,120
		5,211,466
South Korea - 4.1%		
Hana Financial Group, Inc.	72,812	2,442,449
Samsung Electronics Company, Ltd.	152,373	9,248,560
		11,691,009
Spain - 0.8%		
Bankinter SA	341,921	2,192,954
Sweden - 0.5%		
Svenska Handelsbanken AB, A Shares	135,069	1,467,854
Switzerland - 4.4%		
Glencore PLC	559,563	3,363,555
Novartis AG	90,940	9,185,895
		12,549,450
United Kingdom - 21.6%		
AstraZeneca PLC	24,166	3,259,746

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
BAE Systems PLC	197,774	\$ 2,799,329
Barratt Developments PLC	224,473	1,608,013
Beazley PLC	750,235	4,985,767
BP PLC	911,119	5,401,173
Coca-Cola Europacific Partners PLC	38,566	2,573,895
CVS Group PLC	49,035	1,051,636
Endeavour Mining PLC (B)	77,213	1,734,750
Future PLC (B)	152,831	1,550,255
IMI PLC	154,588	3,312,425
Inchcape PLC	202,553	1,844,264
Informa PLC	208,525	2,074,072
JD Sports Fashion PLC	1,571,029	3,315,397
NatWest Group PLC	1,214,579	3,383,090
Nomad Foods, Ltd. (A)	110,672	1,875,890
Reckitt Benckiser Group PLC	61,404	4,237,080
Shell PLC	118,494	3,878,789
SSE PLC	240,653	5,680,847
Tesco PLC	973,494	3,606,525
WH Smith PLC	174,749	2,967,413
		61,140,356
United States - 0.8%		
Peabody Energy Corp.	95,270	2,316,966
TOTAL COMMON STOCKS (Cost \$251,749,509)		\$ 274,822,472
PREFERRED SECURITIES - 0.8%		
South Korea - 0.8%		
Samsung Electronics Company, Ltd.	46,247	2,228,481
TOTAL PREFERRED SECURITIES (Cost \$2,064,580)		\$ 2,228,481
SHORT-TERM INVESTMENTS - 3.3%		
Short-term funds - 3.3%		
Fidelity Government Portfolio, Institutional Class, 5.2842% (C)	3,349,561	3,349,561
John Hancock Collateral Trust, 5.3645% (C)(D)	610,919	6,109,309
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,459,241)		\$ 9,458,870
Total Investments (Disciplined Value International Trust)		
		\$ 286,509,823
Other assets and liabilities, net - (1.4%)		
		(4,083,965)
TOTAL NET ASSETS - 100.0%		
		\$ 282,425,858

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 12-31-23.
(C)	The rate shown is the annualized seven-day yield as of 12-31-23.
(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.

Emerging Markets Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.7%		
Australia - 0.0%		
MMG, Ltd. (A)	184,000	\$ 54,408
Belgium - 0.0%		
Titan Cement International SA	2,489	58,919
Brazil - 3.2%		
Anima Holding SA (A)	24,800	22,687
Atacadao SA	28,713	73,579

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Brazil (continued)		
Banco Bradesco SA	77,625	\$ 244,389
Banco do Brasil SA	57,415	654,499
Banco Santander Brasil SA	21,018	138,997
BrasilAgro - Company Brasileira de Propriedades Agricolas	4,600	24,674
BRF SA (A)	47,511	132,730
Brisanet Participacoes SA	16,300	12,465
C&A MODAS SA (A)	14,300	22,996
Camil Alimentos SA	10,600	18,409
Cia Brasileira de Alumínio	14,963	15,726
Cia Brasileira de Alumínio, Subscription Receipts (A)	1,387	1,428
Cia Brasileira de Distribuicao (A)	15,747	13,453
Cia Siderurgica Nacional SA	42,185	168,352
Cia Siderurgica Nacional SA, ADR	9,153	35,971
Cielo SA	54,274	52,308
Cogna Educacao SA (A)	86,874	62,296
Construtora Tenda SA (A)	4,718	14,420
Cruzeiro do Sul Educacional SA	10,800	11,776
Cyrela Brazil Realty SA Empreendimentos e Participacoes	34,623	170,753
Dexco SA	27,870	46,332
Diagnosticos da America SA (A)	4,693	9,306
Embraer SA (A)	54,496	249,207
Empreendimentos Pague Menos S/A	17,964	14,649
Enauta Participacoes SA	16,860	69,782
Eternit SA	4,300	7,534
Even Construtora e Incorporadora SA	19,800	33,321
Ez Tec Empreendimentos e Participacoes SA	8,609	32,997
Gerdaul SA, ADR	21,735	105,415
Grupo Casas Bahia SA (A)	7,706	18,044
Grupo de Moda Soma SA	25,800	39,522
Grupo SBF SA	7,700	18,611
Guararapes Confeccoes SA (A)	10,200	13,710
Hapvida Participacoes e Investimentos SA (A)(B)	282,026	258,167
International Meal Company Alimentacao SA (A)	26,670	10,830
Iochpe Maxion SA	11,411	30,264
IRB Brasil Resseguros SA (A)	3,263	29,792
Jalles Machado SA	8,150	13,175
JBS SA	60,990	309,649
JHSF Participacoes SA	28,427	32,348
Lavvi Empreendimentos Imobiliarios SA	21,300	38,410
Locaweb Servicos de Internet SA (B)	30,684	37,999
Lojas Renner SA	26,110	93,689
MRV Engenharia e Participacoes SA (A)	22,963	53,002
Multilaser Industrial SA (A)	20,600	8,860
Natura & Company Holding SA (A)	63,132	216,469
Petroleo Brasileiro SA	380,053	3,034,796
Petroreconcavo SA	4,753	21,226
Positivo Tecnologia SA	9,000	12,884
Romi SA	6,244	17,207
Sao Carlos Empreendimentos e Participacoes SA (A)	5,205	29,421
TIM SA	41,033	151,110
Trisul SA	13,137	15,587
Tupy SA	9,951	59,531
Usinas Siderurgicas de Minas Gerais SA	14,738	27,842
Valid Solucoes e Servicos de Seguranca em Meios de Pagamento e Identificacao SA	7,000	29,554
YDUQS Participacoes SA	5,575	25,708

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Brazil (continued)		
Zamp SA (A)	11,800	\$ 13,848
		7,121,706
Canada - 0.0%		
China Gold International Resources Corp., Ltd.	15,600	66,607
Chile - 0.5%		
Banco de Credito e Inversiones SA	1,049	28,386
Camanchaca SA	214,992	10,977
CAP SA	5,458	44,573
Cementos BIO BIO SA	16,447	12,320
Cencosud SA	66,504	124,985
Cia Sud Americana de Vapores SA	687,612	42,201
Cristalerias de Chile SA	3,626	11,689
Empresa Nacional de Telecomunicaciones SA	15,564	57,087
Empresas CMPC SA	77,741	149,936
Empresas COPEC SA	25,772	187,556
Empresas Hites SA	46,731	4,239
Enel Americas SA (A)	922,076	101,974
Falabella SA (A)	34,807	86,926
Grupo Security SA	77,638	22,733
Inversiones Aguas Metropolitanas SA	29,150	24,348
Masisa SA (A)	321,066	6,480
PAZ Corp. SA	16,523	9,074
Ripley Corp. SA	137,631	27,399
Salfacorp SA	67,149	34,888
Sigdo Koppers SA	50,989	73,148
SMU SA	245,031	45,034
Sociedad Matriz SAAM SA	476,922	59,051
Socovesa SA	113,429	12,750
SONDA SA	24,563	10,755
		1,188,509
China - 20.7%		
360 Security Technology, Inc., Class A (A)	16,800	21,327
361 Degrees International, Ltd.	119,000	52,899
3SBio, Inc. (A)(B)	146,500	141,274
AAC Technologies Holdings, Inc.	79,500	236,255
Addsino Company, Ltd., Class A	9,800	11,568
Agile Group Holdings, Ltd. (A)	157,000	17,109
Agricultural Bank of China, Ltd., H Shares	1,798,000	693,555
Alibaba Group Holding, Ltd.	328,300	3,162,364
A-Living Smart City Services Company, Ltd. (B)	58,250	26,727
Allmed Medical Products Company, Ltd., Class A	6,100	8,155
Aluminum Corp. of China, Ltd., H Shares	220,000	109,986
Angang Steel Company, Ltd., H Shares	167,800	33,101
Anhui Conch Cement Company, Ltd., H Shares	103,000	237,843
Anhui Construction Engineering Group Company, Ltd., Class A	14,900	9,761
Anhui Guangxin Agrochemical Company, Ltd., Class A	6,272	12,827
Anhui Hengyuan Coal Industry and Electricity Power Company, Ltd., Class A	15,800	24,831
Anhui Jinhe Industrial Company, Ltd., Class A	10,200	31,523
Anhui Truchum Advanced Materials & Technology Company, Ltd., Class A	12,200	12,863
Anhui Zhongding Sealing Parts Company, Ltd., Class A	9,200	16,049
Anton Oilfield Services Group (A)	284,000	14,727

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Aoshikang Technology Company, Ltd., Class A	4,600	\$ 19,858
Asia - Potash International Investment Guangzhou Company, Ltd., Class A (A)	5,200	19,239
Asia Cement China Holdings Corp.	65,000	20,344
AsiaInfo Technologies, Ltd. (B)	18,800	20,751
Avary Holding Shenzhen Company, Ltd., Class A	8,600	27,055
AVIC Industry-Finance Holdings Company, Ltd., Class A	40,100	17,589
AviChina Industry & Technology Company, Ltd., H Shares	230,000	98,608
BAIC Motor Corp., Ltd., H Shares (B)	207,000	60,481
Baidu, Inc., ADR (A)	11,954	1,423,602
Baidu, Inc., Class A (A)	3,350	49,868
BAIOO Family Interactive, Ltd. (B)	126,000	4,113
Bank of Beijing Company, Ltd., Class A	90,000	57,477
Bank of Changsha Company, Ltd., Class A	41,600	40,010
Bank of Chengdu Company, Ltd., Class A	28,200	44,771
Bank of China, Ltd., H Shares	5,394,694	2,049,886
Bank of Chongqing Company, Ltd., H Shares	69,500	35,254
Bank of Communications Company, Ltd., H Shares	485,876	303,296
Bank of Guiyang Company, Ltd., Class A	19,600	14,206
Bank of Hangzhou Company, Ltd., Class A	38,900	54,903
Bank of Jiangsu Company, Ltd., Class A	99,100	93,479
Bank of Nanjing Company, Ltd., Class A	67,500	70,235
Bank of Ningbo Company, Ltd., Class A	36,960	104,889
Bank of Shanghai Company, Ltd., Class A	57,000	47,978
Bank of Suzhou Company, Ltd., Class A	21,010	19,136
Bank of Tianjin Company, Ltd., H Shares (A)	15,000	3,461
Baoshan Iron & Steel Company, Ltd., Class A	116,100	97,102
Baoye Group Company, Ltd., H Shares (A)	22,000	13,347
Baozun, Inc., Class A (A)	1,300	1,164
BBMG Corp., H Shares	220,000	20,568
Beijing Capital Eco-Environment Protection Group Company, Ltd., Class A	50,000	18,967
Beijing Capital International Airport Company, Ltd., H Shares (A)	142,000	41,662
Beijing Dabeinong Technology Group Company, Ltd., Class A	18,200	15,292
Beijing Easpring Material Technology Company, Ltd., Class A	2,900	15,612
Beijing Enlight Media Company, Ltd., Class A	14,200	16,327
Beijing GeoEnviron Engineering & Technology, Inc., Class A	7,200	6,639
Beijing Jetsen Technology Company, Ltd., Class A (A)	27,000	19,327
Beijing Jingyuntong Technology Company, Ltd., Class A (A)	11,700	7,537
Beijing New Building Materials PLC, Class A	12,300	40,526
Beijing North Star Company, Ltd., H Shares (A)	132,000	12,177
Beijing Orient National Communication Science & Technology Company, Ltd., Class A (A)	10,200	13,506
Beijing Originwater Technology Company, Ltd., Class A	3,551	2,499

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Beijing Shougang Company, Ltd., Class A (A)	20,200	\$ 9,854
Beijing Sinnet Technology Company, Ltd., Class A (A)	10,500	14,385
Beijing Urban Construction Design & Development Group Company, Ltd., H Shares (B)	35,000	8,880
Beijing Yanjing Brewery Company, Ltd., Class A	18,000	21,914
Beijing-Shanghai High Speed Railway Company, Ltd., Class A	158,600	110,005
BGI Genomics Company, Ltd., Class A	2,400	16,239
Blue Sail Medical Company, Ltd., Class A	7,100	6,688
BOC International China Company, Ltd., Class A	8,800	12,772
BOE Technology Group Company, Ltd., Class A	205,200	112,842
Bohai Leasing Company, Ltd., Class A (A)	50,900	15,356
Bright Dairy & Food Company, Ltd., Class A	9,600	11,818
BTG Hotels Group Company, Ltd., Class A (A)	4,500	9,915
Cabbeen Fashion, Ltd.	40,000	4,907
Caitong Securities Company, Ltd., Class A	33,670	36,836
Cangzhou Mingzhu Plastic Company, Ltd., Class A	15,000	8,693
Canmax Technologies Company, Ltd., Class A	4,900	17,505
CECEP Solar Energy Company, Ltd., Class A	34,200	26,912
CECEP Wind-Power Corp., Class A	25,480	10,777
Central China Management Company, Ltd.	113,732	4,445
Central China Real Estate, Ltd. (A)	118,093	1,184
Changjiang Securities Company, Ltd., Class A	20,700	15,705
Changsha Broad Homes Industrial Group Company, Ltd., H Shares (A)(B)	9,000	3,169
Chaoju Eye Care Holdings, Ltd.	29,500	16,713
Chaowei Power Holdings, Ltd.	88,000	16,232
Chengdu Kanghong Pharmaceutical Group Company, Ltd., Class A	6,600	17,157
Chengdu Wintrue Holding Company, Ltd., Class A	15,700	18,267
Chengtun Mining Group Company, Ltd., Class A (A)	12,000	7,341
Chengxin Lithium Group Company, Ltd., Class A	11,100	35,604
Chengzhi Company, Ltd., Class A	5,100	5,902
China BlueChemical, Ltd., H Shares	200,000	50,463
China Bohai Bank Company, Ltd., H Shares (A)(B)	291,000	42,123
China Cinda Asset Management Company, Ltd., H Shares	588,000	58,745
China CITIC Bank Corp., Ltd., H Shares	670,775	316,356
China Coal Energy Company, Ltd., H Shares	178,000	162,021
China Communications Services Corp., Ltd., H Shares	217,200	90,069
China Conch Environment Protection Holdings, Ltd. (A)	50,000	9,988
China Conch Venture Holdings, Ltd.	109,000	90,489
China Construction Bank Corp., H Shares	7,593,000	4,516,701
China CSSC Holdings, Ltd., Class A	8,500	35,288
China Development Bank Financial Leasing Company, Ltd., H Shares (B)	122,000	21,729

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Dili Group (A)(C)	190,600	\$ 11,277
China Dongxiang Group Company, Ltd.	361,000	13,177
China Electronics Optics Valley Union Holding Company, Ltd.	308,000	16,582
China Energy Engineering Corp., Ltd., H Shares	162,000	16,182
China Everbright Bank Company, Ltd., H Shares	248,000	73,694
China Feihe, Ltd. (B)	217,000	118,729
China Galaxy Securities Company, Ltd., H Shares	272,500	144,160
China Great Wall Securities Company, Ltd., Class A	11,800	13,318
China Greatwall Technology Group Company, Ltd., Class A	14,300	20,392
China Green Electricity Investment of Tianjin Company, Ltd., Class A	7,500	10,182
China Hanking Holdings, Ltd.	61,000	6,253
China Harmony Auto Holding, Ltd. (A)	105,500	7,840
China Hongqiao Group, Ltd.	207,500	169,905
China Huiyuan Juice Group, Ltd. (A)(C)	212,500	13,743
China International Marine Containers Group Company, Ltd., H Shares	97,050	62,101
China Jushi Company, Ltd., Class A	30,900	42,829
China Kepei Education Group, Ltd.	68,000	11,850
China Lesso Group Holdings, Ltd.	133,000	69,583
China Lilang, Ltd.	72,000	39,022
China Maple Leaf Educational Systems, Ltd. (A)	222,000	7,818
China Meheco Company, Ltd., Class A	6,160	9,702
China Meidong Auto Holdings, Ltd.	36,000	21,926
China Merchants Bank Company, Ltd., H Shares	308,500	1,073,126
China Merchants Energy Shipping Company, Ltd., Class A	49,800	41,261
China Merchants Expressway Network & Technology Holdings Company, Ltd., Class A	18,500	25,479
China Merchants Property Operation & Service Company, Ltd., Class A	4,300	7,257
China Merchants Securities Company, Ltd., H Shares (B)	29,480	24,129
China Merchants Shekou Industrial Zone Holdings Company, Ltd., Class A	19,600	26,371
China Minsheng Banking Corp., Ltd., H Shares	371,400	126,084
China Modern Dairy Holdings, Ltd.	171,000	16,202
China National Accord Medicines Corp., Ltd., Class A	2,730	11,161
China National Building Material Company, Ltd., H Shares	391,450	167,632
China National Chemical Engineering Company, Ltd., Class A	40,100	35,968
China National Medicines Corp., Ltd., Class A	3,200	12,909
China National Nuclear Power Company, Ltd., Class A	132,300	139,906
China New Higher Education Group, Ltd. (B)	88,000	24,020
China Nonferrous Mining Corp., Ltd.	42,000	27,605
China Oilfield Services, Ltd., H Shares	106,000	108,342
China Oriental Group Company, Ltd.	164,000	27,300
China Pacific Insurance Group Company, Ltd., H Shares	139,800	282,802

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Petroleum & Chemical Corp., H Shares	1,878,000	\$ 984,173
China Railway Group, Ltd., H Shares	313,000	139,564
China Railway Signal & Communication Corp., Ltd., H Shares (B)	111,000	36,975
China Reinsurance Group Corp., H Shares	554,000	32,273
China Renaissance Holdings, Ltd. (A)(B)(C)	12,000	5,028
China Resources Double Crane Pharmaceutical Company, Ltd., Class A	6,300	16,521
China Resources Medical Holdings Company, Ltd.	103,000	63,561
China Resources Pharmaceutical Group, Ltd. (B)	166,500	109,449
China Risun Group, Ltd.	72,000	30,355
China Sanjiang Fine Chemicals Company, Ltd. (A)	105,000	15,595
China SCE Group Holdings, Ltd. (A)	229,200	5,084
China Shanshui Cement Group, Ltd. (A)	117,000	8,394
China Shenhua Energy Company, Ltd., H Shares	172,500	591,576
China Shineway Pharmaceutical Group, Ltd.	32,000	29,796
China Silver Group, Ltd. (A)	94,000	1,723
China South Publishing & Media Group Company, Ltd., Class A	14,900	21,374
China State Construction Engineering Corp., Ltd., Class A	265,600	180,197
China Sunshine Paper Holdings Company, Ltd. (A)	31,500	10,980
China Taifeng Beddings Holdings, Ltd. (A)(C)	204,000	12,697
China Tower Corp., Ltd., H Shares (B)	3,970,000	417,277
China TransInfo Technology Company, Ltd., Class A (A)	9,500	15,014
China Tungsten And Hightech Materials Company, Ltd., Class A	11,180	13,417
China Vanke Company, Ltd., H Shares	148,292	137,247
China XLX Fertiliser, Ltd.	58,000	25,921
China Yongda Automobiles Services Holdings, Ltd.	101,000	37,906
China Yuhua Education Corp., Ltd. (A)(B)	162,000	11,420
China Zheshang Bank Company, Ltd., H Shares	209,600	54,239
China Zhongwang Holdings, Ltd. (A)(C)	196,800	0
Chinese Universe Publishing and Media Group Company, Ltd., Class A	6,200	11,518
Chongqing Changan Automobile Company, Ltd., Class A	25,590	60,735
Chongqing Rural Commercial Bank Company, Ltd., H Shares	156,000	60,537
Chow Tai Seng Jewellery Company, Ltd., Class A	3,700	7,920
CITIC Securities Company, Ltd., H Shares	62,025	126,725
CITIC, Ltd.	350,130	350,079
CMGE Technology Group, Ltd. (A)	30,000	5,032
CMST Development Company, Ltd., Class A	21,400	15,385
CNGR Advanced Material Company, Ltd., Class A	2,600	18,006
CNOOC Energy Technology & Services, Ltd., Class A	33,000	13,257
CNSIG Inner Mongolia Chemical Industry Company, Ltd., Class A	20,800	22,931

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
COFCO Biotechnology Company, Ltd., Class A	15,200	\$ 14,232
COFCO Joycome Foods, Ltd. (A)	202,000	48,644
COFCO Sugar Holding Company, Ltd., Class A	19,500	22,637
Consun Pharmaceutical Group, Ltd.	19,000	11,606
COSCO SHIPPING Development Company, Ltd., H Shares	434,000	44,488
COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	72,000	67,937
COSCO SHIPPING Holdings Company, Ltd., H Shares	252,500	253,880
CPMC Holdings, Ltd.	76,000	65,487
CRRC Corp., Ltd., H Shares	45,000	19,837
CSG Holding Company, Ltd., Class A	13,900	10,922
CT Environmental Group, Ltd. (A)(C)	164,000	2,499
CTS International Logistics Corp., Ltd., Class A	8,000	8,333
Daan Gene Company, Ltd., Class A	10,300	14,050
Daqin Railway Company, Ltd., Class A	35,700	36,287
DHC Software Company, Ltd., Class A	33,500	29,132
Dian Diagnostics Group Company, Ltd., Class A	2,300	7,719
Digital China Information Service Group Company, Ltd., Class A	7,800	12,416
Do-Fluoride New Materials Company, Ltd., Class A	12,400	26,601
Dong-E-E-Jiao Company, Ltd., Class A	2,100	14,597
Dongfang Electric Corp., Ltd., H Shares	18,600	17,015
Dongfeng Motor Group Company, Ltd., H Shares	76,000	37,872
Dongxing Securities Company, Ltd., Class A	12,000	13,926
Dongyue Group, Ltd.	91,000	65,893
Dynagreen Environmental Protection Group Company, Ltd., H Shares	75,000	22,589
E-Commodities Holdings, Ltd.	200,000	39,715
Edvantage Group Holdings, Ltd.	39,378	12,773
Everbright Securities Company, Ltd., H Shares (B)	25,600	16,956
Fangda Carbon New Material Company, Ltd., Class A (A)	13,200	9,752
Fangda Special Steel Technology Company, Ltd., Class A (A)	8,800	5,720
FAW Jiefang Group Company, Ltd., Class A (A)	9,300	11,149
Fiberhome Telecommunication Technologies Company, Ltd., Class A	5,000	11,726
FIH Mobile, Ltd. (A)	306,000	23,914
FinVolution Group, ADR	6,795	33,296
First Capital Securities Company, Ltd., Class A	18,600	15,243
Fosun International, Ltd.	195,460	114,905
Founder Securities Company, Ltd., Class A	31,500	35,777
Foxconn Industrial Internet Company, Ltd., Class A	39,600	84,360
Fu Shou Yuan International Group, Ltd.	8,000	5,430
Fufeng Group, Ltd.	182,200	101,063
Fujian Funeng Company, Ltd., Class A	16,900	19,697
Fujian Sunner Development Company, Ltd., Class A	6,700	16,240
Gansu Energy Chemical Company, Ltd., Class A	26,100	11,220
Gansu Shangfeng Cement Company, Ltd., Class A	10,080	11,448

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
GCL Energy Technology Company, Ltd., Class A	11,700	\$ 20,416
GDS Holdings, Ltd., Class A (A)	69,700	78,877
GEM Company, Ltd., Class A	25,800	19,859
Gemdale Corp., Class A	16,600	10,214
Genertec Universal Medical Group Company, Ltd. (B)	99,000	56,930
GF Securities Company, Ltd., H Shares	50,000	59,875
Giant Network Group Company, Ltd., Class A	4,400	6,909
Glory Health Industry, Ltd. (A)	84,000	345
GoerTek, Inc., Class A	24,400	72,238
Goldwind Science & Technology Company, Ltd., H Shares	47,000	21,122
Gotion High-tech Company, Ltd., Class A (A)	5,500	16,662
Grand Baoxin Auto Group, Ltd. (A)	219,500	7,737
Grandjoy Holdings Group Company, Ltd., Class A (A)	22,500	9,428
Greatview Aseptic Packaging Company, Ltd. (A)	44,000	10,471
Gree Electric Appliances, Inc. of Zhuhai, Class A	20,300	92,151
Greenland Hong Kong Holdings, Ltd. (A)	88,000	3,496
Greentown China Holdings, Ltd.	102,500	104,528
Greentown Service Group Company, Ltd.	64,000	23,868
GRG Banking Equipment Company, Ltd., Class A	15,700	27,125
Guangdong Dowstone Technology Company, Ltd., Class A	6,000	9,424
Guangdong HEC Technology Holding Company, Ltd., Class A (A)	10,900	11,265
Guangdong Tapai Group Company, Ltd., Class A	13,200	13,175
Guangdong Xinbao Electrical Appliances Holdings Company, Ltd., Class A	5,400	11,100
Guanghui Energy Company, Ltd., Class A	59,500	59,869
Guangshen Railway Company, Ltd., H Shares (A)	211,600	41,225
Guangxi Liugong Machinery Company, Ltd., Class A	12,000	11,399
Guangzhou Automobile Group Company, Ltd., H Shares	154,000	71,611
Guangzhou Baiyun International Airport Company, Ltd., Class A (A)	7,600	10,477
Guangzhou Baiyunshan Pharmaceutical Holdings Company, Ltd., H Shares	16,000	44,548
Guangzhou Haige Communications Group, Inc. Company, Class A	17,800	32,217
Guangzhou Yuexiu Capital Holdings Group Company, Ltd., Class A	22,950	19,477
Guizhou Panjiang Refined Coal Company, Ltd., Class A	18,700	16,267
Guizhou Xinbang Pharmaceutical Company, Ltd., Class A	10,700	6,698
Guosen Securities Company, Ltd., Class A	35,700	42,999
Guotai Junan Securities Company, Ltd., H Shares (B)	34,600	38,959
Guoyuan Securities Company, Ltd., Class A	17,400	16,756
Hainan Meilan International Airport Company, Ltd., H Shares (A)	16,000	14,224
Haitian International Holdings, Ltd.	40,000	99,016
Haitong Securities Company, Ltd., H Shares	188,000	100,435

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Hang Zhou Great Star Industrial Company, Ltd., Class A	4,300	\$ 13,652
Hangcha Group Company, Ltd., Class A	5,800	20,353
Hangzhou Binjiang Real Estate Group Company, Ltd., Class A	20,300	20,826
Hangzhou Robam Appliances Company, Ltd., Class A	4,400	13,521
Han's Laser Technology Industry Group Company, Ltd., Class A	8,000	23,367
Harbin Bank Company, Ltd., H Shares (A)(B)	74,000	2,264
Harbin Electric Company, Ltd., H Shares	84,000	22,296
HBIS Resources Company, Ltd., Class A	4,700	11,134
Heilongjiang Agriculture Company, Ltd., Class A	9,100	15,365
Henan Shenhua Coal & Power Company, Ltd., Class A	15,800	37,453
Hengan International Group Company, Ltd.	47,000	174,954
Hengli Petrochemical Company, Ltd., Class A (A)	35,401	65,705
Hengtong Optic-electric Company, Ltd., Class A	13,900	23,403
Hengyi Petrochemical Company, Ltd., Class A (A)	23,800	22,551
Hesteel Company, Ltd., Class A	54,700	16,429
Hiroca Holdings, Ltd.	8,000	11,181
Hongda Xingye Company, Ltd., Class A (A)	28,900	3,540
Honghua Group, Ltd. (A)	367,000	5,131
Hope Education Group Company, Ltd. (A)(B)	352,000	16,223
Horizon Construction Development, Ltd. (A)	6,259	3,685
Hoyuan Green Energy Company, Ltd., Class A	3,400	15,944
Hua Hong Semiconductor, Ltd. (A)(B)	46,000	111,167
Huafon Chemical Company, Ltd., Class A	46,600	44,079
Huaiabei Mining Holdings Company, Ltd., Class A	10,300	24,162
Huapont Life Sciences Company, Ltd., Class A	10,700	7,027
Huatai Securities Company, Ltd., H Shares (B)	78,200	98,813
Huaxi Securities Company, Ltd., Class A	7,000	7,661
Huaxia Bank Company, Ltd., Class A	79,200	62,755
Huaxin Cement Company, Ltd., Class A	7,100	12,444
Huaxin Cement Company, Ltd., H Shares	22,800	19,738
Huayu Automotive Systems Company, Ltd., Class A	22,700	52,097
Hubei Biocause Pharmaceutical Company, Ltd., Class A	20,900	8,373
Hubei Jumpcan Pharmaceutical Company, Ltd., Class A	7,400	32,781
Hubei Xingfa Chemicals Group Company, Ltd., Class A	7,900	20,332
Huishang Bank Corp., Ltd., H Shares	63,300	19,213
Humanwell Healthcare Group Company, Ltd., Class A	12,500	43,804
Hunan Valin Steel Company, Ltd., Class A	44,000	31,955
Hytera Communications Corp., Ltd., Class A (A)	14,800	12,421
Industrial & Commercial Bank of China, Ltd., H Shares	4,582,000	2,233,007
Industrial Bank Company, Ltd., Class A	131,700	301,045

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Industrial Securities Company, Ltd., Class A	37,960	\$ 31,423
Ingdan, Inc. (B)	74,000	11,683
Inkeverse Group, Ltd. (A)	75,000	7,966
Inner Mongolia BaoTou Steel Union Company, Ltd., Class A (A)	166,200	34,202
Inner Mongolia Dian Tou Energy Corp., Ltd., Class A	8,600	17,304
Inner Mongolia ERDOS Resources Company, Ltd., Class A	8,820	12,060
Inner Mongolia Junzheng Energy & Chemical Industry Group Company, Ltd., Class A	43,700	23,038
Inner Mongolia Yuan Xing Energy Company, Ltd., Class A	18,500	15,317
Intco Medical Technology Company, Ltd., Class A	3,840	12,646
JA Solar Technology Company, Ltd., Class A	18,600	54,365
JCET Group Company, Ltd., Class A	10,100	42,492
JD Logistics, Inc. (A)(B)	34,400	43,137
JD.com, Inc., Class A	45,750	660,771
Jiangsu Azure Corp., Class A	9,700	11,649
Jiangsu Changshu Rural Commercial Bank Company, Ltd., Class A	18,200	16,400
Jiangsu Eastern Shenghong Company, Ltd., Class A	27,100	36,671
Jiangsu Guotai International Group Company, Ltd., Class A	7,600	8,389
Jiangsu Jiangyin Rural Commercial Bank Company, Ltd., Class A	17,900	8,961
Jiangsu Lihua Animal Husbandry Stock Company, Ltd., Class A	4,860	14,375
Jiangsu Linyang Energy Company, Ltd., Class A	13,300	11,982
Jiangsu Provincial Agricultural Reclamation and Development Corp., Class A	11,200	16,170
Jiangsu Shagang Company, Ltd., Class A	27,000	14,543
Jiangsu Shuangxing Color Plastic New Materials Company, Ltd., Class A	5,200	5,946
Jiangsu Zhangjiagang Rural Commercial Bank Company, Ltd., Class A	16,680	9,128
Jiangsu Zhongtian Technology Company, Ltd., Class A	21,300	37,492
Jiangxi Copper Company, Ltd., H Shares	68,000	96,186
Jilin Aodong Pharmaceutical Group Company, Ltd., Class A	4,700	10,032
Jinmao Property Services Company, Ltd.	7,552	1,743
Jinneng Science&Technology Company, Ltd., Class A	8,700	9,899
Jinxin Fertility Group, Ltd. (A)(B)	87,500	37,551
Jizhong Energy Resources Company, Ltd., Class A	18,200	18,320
Joincare Pharmaceutical Group Industry Company, Ltd., Class A	11,400	19,979
Joynn Laboratories China Company, Ltd., Class A	5,180	17,301
Jointown Pharmaceutical Group Company, Ltd., Class A	16,062	15,877
Kangda International Environmental Company, Ltd. (A)(B)	140,000	4,928
Kasen International Holdings, Ltd. (A)	119,000	4,491
Keshun Waterproof Technologies Company, Ltd., Class A	10,700	9,265

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Kingfa Sci & Tech Company, Ltd., Class A	12,500	\$ 14,078
KWG Group Holdings, Ltd. (A)	154,013	11,057
KWG Living Group Holdings, Ltd. (A)	88,506	5,333
Laobaixing Pharmacy Chain JSC, Class A	5,300	22,331
LB Group Company, Ltd., Class A	13,400	32,384
Legend Holdings Corp., H Shares (B)	66,200	62,415
Lens Technology Company, Ltd., Class A	21,100	39,246
Leo Group Company, Ltd., Class A (A)	58,700	18,870
Lepu Medical Technology Beijing Company, Ltd., Class A	11,400	25,979
LexinFintech Holdings, Ltd., ADR	14,967	27,539
Leyard Optoelectronic Company, Ltd., Class A	9,800	8,291
Liaoning Cheng Da Company, Ltd., Class A	7,000	11,629
Liaoning Port Company, Ltd., H Shares	204,000	16,212
Lier Chemical Company, Ltd., Class A	5,460	9,215
Lingyi iTech Guangdong Company, Class A	42,900	40,835
Longfor Group Holdings, Ltd. (B)	157,500	252,770
Lonking Holdings, Ltd.	217,000	33,947
Luenmei Quantum Company, Ltd., Class A	23,100	18,461
Luxi Chemical Group Company, Ltd., Class A	14,600	20,647
Luye Pharma Group, Ltd. (A)(B)	189,500	90,543
Maanshan Iron & Steel Company, Ltd., H Shares	108,000	17,024
Maccura Biotechnology Company, Ltd., Class A	6,800	14,448
Mango Excellent Media Company, Ltd., Class A	8,000	28,433
Maoyan Entertainment (A)(B)	19,400	22,332
Mayinglong Pharmaceutical Group Company, Ltd., Class A	5,200	17,725
Medlive Technology Company, Ltd. (B)	7,500	8,145
Metallurgical Corp. of China, Ltd., H Shares	185,000	36,017
Midea Real Estate Holding, Ltd. (B)	9,600	6,606
Ming Yang Smart Energy Group, Ltd., Class A	14,400	25,448
Minth Group, Ltd.	64,000	129,448
MLS Company, Ltd., Class A	9,700	11,840
Nanjing Iron & Steel Company, Ltd., Class A	38,000	19,821
NavInfo Company, Ltd., Class A (A)	11,700	14,679
NetDragon Websoft Holdings, Ltd.	17,000	26,944
New China Life Insurance Company, Ltd., H Shares	55,300	107,894
New Hope Liuhe Company, Ltd., Class A (A)	16,500	21,696
Ningbo Huaxiang Electronic Company, Ltd., Class A	6,500	11,921
Ningbo Joyson Electronic Corp., Class A	8,100	20,507
Ningbo Ronbay New Energy Technology Company, Ltd., Class A	4,688	26,293
Ningbo Sanxing Medical Electric Company, Ltd., Class A	4,500	13,006
Ningbo Zhoushan Port Company, Ltd., Class A	17,900	8,985
Ningxia Baofeng Energy Group Company, Ltd., Class A	15,500	32,283
Noah Holdings, Ltd., ADR	1,849	25,535
North Industries Group Red Arrow Company, Ltd., Class A	6,800	13,465

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Northeast Securities Company, Ltd., Class A	10,520	\$ 10,537
Offshore Oil Engineering Company, Ltd., Class A	30,700	25,707
Orient Securities Company, Ltd., H Shares (B)	42,000	18,567
Oriental Energy Company, Ltd., Class A (A)	17,400	25,268
PetroChina Company, Ltd., H Shares	1,912,000	1,263,431
PICC Property & Casualty Company, Ltd., H Shares	436,000	518,848
Ping An Bank Company, Ltd., Class A	116,600	154,395
Ping An Insurance Group Company of China, Ltd., H Shares	510,000	2,308,923
Pingdingshan Tianan Coal Mining Company, Ltd., Class A	15,000	24,449
Postal Savings Bank of China Company, Ltd., H Shares (B)	536,000	256,277
Power Construction Corp. of China, Ltd., Class A	93,400	64,391
Q Technology Group Company, Ltd. (A)	37,000	21,052
Qifu Technology, Inc., ADR	6,557	103,732
Qingdao Port International Company, Ltd., H Shares (B)	19,000	10,297
Qingdao Rural Commercial Bank Corp., Class A (A)	34,400	12,706
Qingling Motors Company, Ltd., H Shares (A)	128,000	8,351
Qunxing Paper Holdings Company, Ltd. (A)(C)	634,371	0
Radiance Holdings Group Company, Ltd. (A)	23,000	11,131
Red Star Macalline Group Corp., Ltd., H Shares (B)	62,480	17,290
Redco Properties Group, Ltd. (A)(B)(C)	96,000	10,628
Renhe Pharmacy Company, Ltd., Class A	14,800	13,828
Risen Energy Company, Ltd., Class A	11,800	29,381
RiseSun Real Estate Development Company, Ltd., Class A (A)	16,000	3,854
Riyue Heavy Industry Company, Ltd., Class A	8,200	14,294
Rongsheng Petrochemical Company, Ltd., Class A	48,400	70,642
SAIC Motor Corp., Ltd., Class A	22,200	42,352
Sailun Group Company, Ltd., Class A	14,200	23,533
Sanan Optoelectronics Company, Ltd., Class A	13,700	26,744
Sansteel Minguang Company, Ltd., Class A	16,900	9,650
Sansure Biotech, Inc., Class A	3,136	8,644
Sany Heavy Industry Company, Ltd., Class A	23,200	45,048
Satellite Chemical Company, Ltd., Class A (A)	20,300	42,241
SDIC Capital Company, Ltd., Class A	14,700	13,968
Sealand Securities Company, Ltd., Class A	25,200	12,576
Seazen Group, Ltd. (A)	251,428	40,954
Seazen Holdings Company, Ltd., Class A (A)	14,800	23,842
SF Holding Company, Ltd., Class A	11,900	67,865
Shaanxi Coal Industry Company, Ltd., Class A	54,000	159,125
Shan Xi Hua Yang Group New Energy Company, Ltd., Class A	27,150	37,369

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Shandong Bohui Paper Industrial Company, Ltd., Class A	7,000	\$ 6,129
Shandong Buchang Pharmaceuticals Company, Ltd., Class A	3,600	8,634
Shandong Chenming Paper Holdings, Ltd., H Shares (A)	41,000	10,494
Shandong Hi-Speed Road & Bridge Company, Ltd., Class A	25,300	20,123
Shandong Hualu Hengsheng Chemical Company, Ltd., Class A	9,500	36,957
Shandong Jincheng Pharmaceutical Group Company, Ltd., Class A	7,300	17,144
Shandong Linglong Tyre Company, Ltd., Class A	8,600	23,309
Shandong Nanshan Aluminum Company, Ltd., Class A	48,800	20,221
Shandong Sun Paper Industry JSC, Ltd., Class A	13,600	23,334
Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	150,400	146,579
Shanghai AJ Group Company, Ltd., Class A	21,300	15,313
Shanghai Bailian Group Company, Ltd., Class A	13,400	17,939
Shanghai Construction Group Company, Ltd., Class A	41,000	13,527
Shanghai Electric Group Company, Ltd., H Shares (A)	158,000	33,000
Shanghai Environment Group Company, Ltd., Class A	11,800	14,959
Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares	23,500	51,185
Shanghai International Airport Company, Ltd., Class A (A)	5,600	25,883
Shanghai Jinjiang International Hotels Company, Ltd., Class A	7,900	33,317
Shanghai Lingang Holdings Corp., Ltd., Class A	7,000	9,919
Shanghai Lujiazui Finance & Trade Zone Development Company, Ltd., Class A	6,500	8,020
Shanghai Mechanical and Electrical Industry Company, Ltd., Class A	4,400	7,363
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	60,000	87,782
Shanghai Pudong Development Bank Company, Ltd., Class A	121,600	113,537
Shanghai RAAS Blood Products Company, Ltd., Class A	29,400	33,160
Shanghai Tunnel Engineering Company, Ltd., Class A	24,000	19,492
Shanghai Yuyuan Tourist Mart Group Company, Ltd., Class A	28,200	24,698
Shanghai Zhangjiang High-Tech Park Development Company, Ltd., Class A	13,300	36,129
Shanxi Coking Coal Energy Group Company, Ltd., Class A	36,200	50,425
Shanxi Coking Company, Ltd., Class A	16,400	11,652
Shanxi Lanhua Sci-Tech Venture Company, Ltd., Class A	8,200	12,767
Shanxi Lu'an Environmental Energy Development Company, Ltd., Class A	21,300	65,803
Shanxi Meijin Energy Company, Ltd., Class A (A)	18,400	17,271
Shanxi Taigang Stainless Steel Company, Ltd., Class A	40,100	21,091

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	\$ 10,967
Shengjing Bank Company, Ltd., H Shares (A)(B)	17,500	1,746
Shenguan Holdings Group, Ltd.	90,000	3,175
Shengyi Technology Company, Ltd., Class A	15,400	39,771
Shenwan Hongyuan Group Company, Ltd., H Shares (B)	143,200	26,042
Shenzhen Agricultural Products Group Company, Ltd., Class A	22,100	20,159
Shenzhen Airport Company, Ltd., Class A (A)	12,200	11,064
Shenzhen Aisidi Company, Ltd., Class A	13,100	17,157
Shenzhen Everwin Precision Technology Company, Ltd., Class A (A)	6,000	11,214
Shenzhen Gas Corp., Ltd., Class A	17,200	16,702
Shenzhen Huaqiang Industry Company, Ltd., Class A	4,300	6,831
Shenzhen Jinjia Group Company, Ltd., Class A	11,500	8,706
Shenzhen Kaifa Technology Company, Ltd., Class A	8,800	20,090
Shenzhen Kinwong Electronic Company, Ltd., Class A	9,700	30,823
Shenzhen MTC Company, Ltd., Class A	26,800	21,083
Shenzhen Overseas Chinese Town Company, Ltd., Class A (A)	44,000	19,317
Shenzhen Senior Technology Material Company, Ltd., Class A	9,000	19,575
Shenzhen Sunkat Circuit Technology Company, Ltd., Class A	8,500	11,474
Shenzhen YUTO Packaging Technology Company, Ltd., Class A	2,400	9,302
Shenzhen Zhongjin Lingnan Nonfemet Company, Ltd., Class A	16,500	10,047
Shui On Land, Ltd.	390,961	36,086
Sichuan Development Lomon Company, Ltd., Class A	12,700	12,800
Sichuan Hebang Biotechnology Company, Ltd., Class A	69,000	22,963
Sichuan Kelun Pharmaceutical Company, Ltd., Class A	11,400	46,699
Sichuan Road and Bridge Group Company, Ltd., Class A	43,400	45,848
Sichuan Yahua Industrial Group Company, Ltd., Class A	2,900	5,351
Sihuan Pharmaceutical Holdings Group, Ltd.	343,000	28,570
Sinoma International Engineering Company, Class A	21,600	28,480
Sinoma Science & Technology Company, Ltd., Class A	7,900	17,728
Sinopec Engineering Group Company, Ltd., H Shares	129,000	66,091
Sinopec Shanghai Petrochemical Company, Ltd., H Shares (A)	300,000	43,432
Sinopharm Group Company, Ltd., H Shares	138,800	363,767
Sinotrans, Ltd., H Shares	242,000	101,326
Sinotruk Hong Kong, Ltd.	72,500	142,319
Sinotruk Jinan Truck Company, Ltd., Class A	6,000	11,305
SOHO China, Ltd. (A)	247,000	23,730

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
SooChow Securities Company, Ltd., Class A	19,110	\$ 19,700
Southwest Securities Company, Ltd., Class A	28,700	16,554
STO Express Company, Ltd., Class A (A)	13,600	14,945
Suning Universal Company, Ltd., Class A	15,000	5,479
Suning.com Company, Ltd., Class A (A)	26,300	6,564
Sunshine 100 China Holdings, Ltd. (A)(B)	77,000	852
Sunwoda Electronic Company, Ltd., Class A	9,000	18,734
Suzhou Anjie Technology Company, Ltd., Class A	7,300	16,805
Suzhou Dongshan Precision Manufacturing Company, Ltd., Class A	11,700	29,964
Suzhou Gold Mantis Construction Decoration Company, Ltd., Class A	21,200	11,242
Tangshan Jidong Cement Company, Ltd., Class A	11,000	9,908
Tangshan Port Group Company, Ltd., Class A	52,100	25,709
Tangshan Sanyou Chemical Industries Company, Ltd., Class A	14,700	11,379
TBEA Company, Ltd., Class A	29,380	57,157
TCL Technology Group Corp., Class A (A)	108,790	65,947
TCL Zhonghuan Renewable Energy Technology Company, Ltd., Class A	23,900	52,674
Ten Pao Group Holdings, Ltd.	80,000	10,448
Tencent Music Entertainment Group, ADR (A)	31,851	286,978
Tenwow International Holdings, Ltd. (A)(C)	121,000	4,416
The People's Insurance Company Group of China, Ltd., H Shares	463,000	142,413
Tian Di Science & Technology Company, Ltd., Class A	33,600	25,774
Tiande Chemical Holdings, Ltd.	24,000	4,523
Tiangong International Company, Ltd.	108,000	29,044
Tianjin Capital Environmental Protection Group Company, Ltd., H Shares	24,000	8,215
Tianjin Chase Sun Pharmaceutical Company, Ltd., Class A	20,700	12,369
Tianma Microelectronics Company, Ltd., Class A (A)	28,385	42,596
Tianneng Power International, Ltd.	78,000	65,848
Tianshan Aluminum Group Company, Ltd., Class A	25,100	21,270
Tianshui Huatian Technology Company, Ltd., Class A	26,300	31,591
Titan Wind Energy Suzhou Company, Ltd., Class A (A)	12,700	20,764
Tofflon Science & Technology Group Company, Ltd., Class A	9,400	23,856
Tong Ren Tang Technologies Company, Ltd., H Shares	42,000	35,248
Tongdao Liepin Group (A)	16,800	12,415
TongFu Microelectronics Company, Ltd., Class A	6,800	22,132
Tongkun Group Company, Ltd., Class A (A)	12,900	27,524
Tongling Nonferrous Metals Group Company, Ltd., Class A	72,500	33,521
Tongwei Company, Ltd., Class A	26,700	94,193
Topsec Technologies Group, Inc., Class A (A)	7,000	9,646
Transfar Zhilian Company, Ltd., Class A	16,500	10,748

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Trigiant Group, Ltd. (A)	158,000	\$ 6,463
Trina Solar Company, Ltd., Class A	13,475	54,222
Trip.com Group, Ltd. (A)	750	26,924
Trip.com Group, Ltd., ADR (A)	27,752	999,350
Uni-President China Holdings, Ltd.	104,000	73,999
Unisplendour Corp., Ltd., Class A (A)	11,600	31,630
Universal Scientific Industrial Shanghai Company, Ltd., Class A	10,400	22,152
Valiant Company, Ltd., Class A	3,500	8,186
Victory Giant Technology Huizhou Company, Ltd., Class A	9,400	24,416
Vipshop Holdings, Ltd., ADR (A)	18,038	320,355
Viva Biotech Holdings (A)(B)	74,000	9,937
VNET Group, Inc., ADR (A)	7,345	21,080
Wangsu Science & Technology Company, Ltd., Class A	23,700	26,213
Wanxiang Qianchao Company, Ltd., Class A	23,700	17,339
Wasu Media Holding Company, Ltd., Class A	8,900	9,241
Weibo Corp., ADR	2,144	23,477
Weichai Power Company, Ltd., H Shares	98,000	163,723
Weifu High-Technology Group Company, Ltd., Class A	4,400	9,354
Weiqiao Textile Company, H Shares (A)	73,500	31,347
West China Cement, Ltd.	298,000	25,948
Western Securities Company, Ltd., Class A	28,800	25,874
Wingtech Technology Company, Ltd., Class A (A)	6,200	36,981
Winner Medical Company, Ltd., Class A	1,800	9,454
Wolong Electric Group Company, Ltd., Class A	10,400	17,199
Wuchan Zhongda Group Company, Ltd., Class A	41,000	25,610
Wuhu Token Science Company, Ltd., Class A	20,000	18,861
Wuxi Taiji Industry Company, Ltd., Class A (A)	16,400	16,248
XCMG Construction Machinery Company, Ltd., Class A	52,700	40,576
Xiamen Bank Company, Ltd., Class A	15,000	10,722
Xiamen C & D, Inc., Class A	9,700	13,185
Xiamen ITG Group Corp., Ltd., Class A	18,100	17,788
Xiamen Tungsten Company, Ltd., Class A	6,100	14,777
Xiamen Xiangyu Company, Ltd., Class A	17,400	16,458
Xianhe Company, Ltd., Class A	3,700	8,418
Xiaomi Corp., Class B (A)(B)	347,800	696,450
Xinfengming Group Company, Ltd., Class A (A)	8,700	17,417
Xingda International Holdings, Ltd.	126,473	23,477
Xingfa Aluminium Holdings, Ltd.	29,000	22,867
Xinhua Winshare Publishing and Media Company, Ltd., H Shares	51,000	45,402
Xinjiang Tianshan Cement Company, Ltd., Class A	15,900	14,970
Xinjiang Zhongtai Chemical Company, Ltd., Class A	8,100	6,967
Xinte Energy Company, Ltd., H Shares (A)	28,400	39,809
Xinxing Ductile Iron Pipes Company, Ltd., Class A	33,500	18,034
Xinyi Energy Holdings, Ltd.	180,927	33,141
Xinyi Solar Holdings, Ltd.	36,000	21,047
Xinyu Iron & Steel Company, Ltd., Class A	24,700	12,156
Xtep International Holdings, Ltd.	90,500	51,159

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Xuji Electric Company, Ltd., Class A	5,200	\$ 16,086
Yankuang Energy Group Company, Ltd., H Shares	126,000	239,661
Yantai Jereh Oilfield Services Group Company, Ltd., Class A	6,300	24,941
YiChang HEC ChangJiang Pharmaceutical Company, Ltd., H Shares (A)(B)	33,400	40,623
Yifan Pharmaceutical Company, Ltd., Class A (A)	5,200	10,836
Yiren Digital, Ltd., ADR (A)	5,014	15,644
Yixin Group, Ltd. (B)	153,000	11,953
Yixintang Pharmaceutical Group Company, Ltd., Class A	2,200	7,187
Yonfer Agricultural Technology Company, Ltd., Class A	5,900	9,475
YongXing Special Materials Technology Company, Ltd., Class A	2,800	20,591
Youngor Fashion Company, Ltd.	10,400	9,604
YTO Express Group Company, Ltd., Class A	19,800	34,311
Yunda Holding Company, Ltd., Class A	22,200	23,344
Yunnan Aluminium Company, Ltd., Class A	18,600	32,051
Yunnan Baiyao Group Company, Ltd., Class A	6,160	42,698
Yunnan Copper Company, Ltd., Class A	10,000	15,345
Yunnan Energy New Material Company, Ltd., Class A	6,300	50,453
Yunnan Tin Company, Ltd., Class A	5,500	11,100
Zhefu Holding Group Company, Ltd., Class A	14,800	7,097
Zhejiang Century Huatong Group Company, Ltd., Class A (A)	30,600	22,245
Zhejiang China Commodities City Group Company, Ltd., Class A	28,122	29,023
Zhejiang Chint Electrics Company, Ltd., Class A	15,300	46,404
Zhejiang Crystal-Optech Company, Ltd., Class A	20,200	38,565
Zhejiang Dahua Technology Company, Ltd., Class A	13,200	34,336
Zhejiang Glass Company, Ltd., H Shares (A)(C)	162,000	0
Zhejiang Hailiang Company, Ltd., Class A	6,500	10,214
Zhejiang Huace Film & Television Company, Ltd., Class A	11,400	9,435
Zhejiang Huayou Cobalt Company, Ltd., Class A	7,300	33,886
Zhejiang Jiahua Energy Chemical Industry Company, Ltd., Class A	8,500	10,299
Zhejiang JIULI Hi-tech Metals Company, Ltd., Class A	6,300	17,656
Zhejiang Juhua Company, Ltd., Class A	8,900	20,695
Zhejiang Longsheng Group Company, Ltd., Class A	17,400	20,603
Zhejiang NHU Company, Ltd., Class A	21,800	52,131
Zhejiang Orient Gene Biotech Company, Ltd., Class A	2,685	13,526
Zhejiang Semir Garment Company, Ltd., Class A	15,300	12,443
Zhejiang Wanfeng Auto Wheel Company, Ltd., Class A	22,500	15,670
Zhejiang Wanliyang Company, Ltd., Class A (A)	6,300	6,617

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Zhejiang Xianju Pharmaceutical Company, Ltd., Class A	10,900	\$ 19,618
Zhejiang Xinan Chemical Industrial Group Company, Ltd., Class A	6,860	8,820
Zhengzhou Coal Mining Machinery Group Company, Ltd., H Shares	25,400	27,859
Zheshang Securities Company, Ltd., Class A	10,800	15,883
Zhong An Group, Ltd. (A)	409,000	5,832
Zhongjin Gold Corp., Ltd., Class A	31,200	43,770
Zhongsan Broad Ocean Motor Company, Ltd., Class A	20,000	14,017
Zhongsheng Group Holdings, Ltd.	55,000	131,738
Zhou Hei Ya International Holdings Company, Ltd. (A)(B)	118,500	33,843
Zhuhai Huafa Properties Company, Ltd., Class A	26,900	27,353
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	24,300	69,412
Zhuzhou Kibing Group Company, Ltd., Class A	18,700	18,038
Zoomlion Heavy Industry Science and Technology Company, Ltd., H Shares	90,800	50,018
		45,860,642
Colombia - 0.1%		
Almacenes Exito SA, BDR (A)	13,280	46,698
Bancolombia SA	4,172	35,752
Cementos Argos SA	24,726	38,979
Grupo Argos SA	10,071	32,279
		153,708
Cyprus - 0.0%		
ASBISc Enterprises PLC	1,433	10,379
Czech Republic - 0.1%		
CEZ AS	580	24,861
Komerční banka AS	5,968	193,255
Moneta Money Bank AS (B)	22,384	93,656
		311,772
Greece - 0.5%		
Alpha Services and Holdings SA (A)	115,077	195,475
Bank of Greece	667	10,866
ElvalHalcor SA	5,799	11,836
Eurobank Ergasias Services and Holdings SA (A)	120,763	214,562
Fourlis Holdings SA	3,756	16,585
HELLENiQ ENERGY Holdings SA	4,654	37,431
Intracom Holdings SA (A)	7,112	26,737
Motor Oil Hellas Corinth Refineries SA	3,657	96,019
Mytilineos SA	1,367	55,385
National Bank of Greece SA (A)	28,975	201,310
Piraeus Financial Holdings SA (A)	40,745	143,982
		1,010,188
Hong Kong - 3.2%		
Ajisen China Holdings, Ltd.	147,000	18,479
Alibaba Pictures Group, Ltd. (A)	970,000	59,716
Anxin-China Holdings, Ltd. (A)(C)	1,648,000	0
APT Satellite Holdings, Ltd.	28,000	7,809
Beijing Energy International Holding Company, Ltd.	814,000	13,861
Beijing Enterprises Holdings, Ltd.	54,000	187,790
Beijing Enterprises Water Group, Ltd.	438,000	97,626
BOE Varitronix, Ltd.	34,000	30,783
Brilliance China Automotive Holdings, Ltd.	216,000	120,310

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
C C Land Holdings, Ltd.	125,126	\$ 23,085
C&D International Investment Group, Ltd.	38,730	82,352
CECEP COSTIN New Materials Group, Ltd. (A)(C)	348,000	0
CGN New Energy Holdings Company, Ltd.	150,000	38,630
China Aerospace International Holdings, Ltd.	190,000	7,671
China Aircraft Leasing Group Holdings, Ltd.	23,000	10,667
China Boton Group Company, Ltd. (A)	20,000	2,978
China Education Group Holdings, Ltd.	36,000	22,591
China Everbright Greentech, Ltd. (B)	114,000	18,981
China Everbright, Ltd.	76,000	44,968
China Fiber Optic Network System Group, Ltd. (A)(C)	150,800	0
China Foods, Ltd.	74,000	27,879
China Gas Holdings, Ltd.	254,000	250,957
China High Speed Transmission Equipment Group Company, Ltd. (A)	45,000	9,398
China Jinmao Holdings Group, Ltd.	550,021	52,928
China Longevity Group Company, Ltd. (A)(C)	93,000	4,895
China Lumena New Materials Corp. (A)(C)	50,900	0
China Medical System Holdings, Ltd.	76,000	134,682
China Merchants Land, Ltd.	260,000	9,826
China Merchants Port Holdings Company, Ltd.	93,427	127,318
China Oil & Gas Group, Ltd. (A)	600,000	18,589
China Overseas Grand Oceans Group, Ltd.	205,920	67,984
China Overseas Land & Investment, Ltd.	282,500	498,410
China Resources Building Materials Technology Holdings, Ltd.	282,000	61,456
China Resources Gas Group, Ltd.	56,400	185,112
China Resources Land, Ltd.	274,000	983,118
China South City Holdings, Ltd.	498,000	19,129
China State Construction International Holdings, Ltd.	44,000	50,917
China Taiping Insurance Holdings Company, Ltd.	146,800	126,593
China Traditional Chinese Medicine Holdings Company, Ltd.	286,000	143,905
China Travel International Investment Hong Kong, Ltd.	260,000	44,628
Chu Kong Shipping Enterprises Group Company, Ltd.	26,000	2,729
CIMC Enric Holdings, Ltd.	70,000	63,331
CITIC Resources Holdings, Ltd.	488,000	21,867
Concord New Energy Group, Ltd.	690,000	56,580
COSCO SHIPPING International Hong Kong Company, Ltd.	59,625	23,213
COSCO SHIPPING Ports, Ltd.	167,235	120,894
CSSC Hong Kong Shipping Company, Ltd.	116,000	21,984
Dawnrays Pharmaceutical Holdings, Ltd.	117,000	15,715
Digital China Holdings, Ltd.	73,000	21,699
EVA Precision Industrial Holdings, Ltd.	96,000	9,722
Far East Horizon, Ltd.	169,000	133,013
GCL Technology Holdings, Ltd.	523,000	83,052
Geely Automobile Holdings, Ltd.	443,000	488,014
Gemdale Properties & Investment Corp., Ltd.	778,000	27,911
Glorious Property Holdings, Ltd. (A)	88,000	113
Goldlion Holdings, Ltd.	36,000	4,975

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Goldpac Group, Ltd.	46,000	\$ 8,956
Grand Pharmaceutical Group, Ltd.	86,000	45,088
Health & Happiness H&H International Holdings, Ltd.	24,500	37,919
Hi Sun Technology China, Ltd. (A)	240,000	15,981
Hopson Development Holdings, Ltd. (A)	132,502	68,942
Hua Han Health Industry Holdings, Ltd. (A)(C)	880,000	0
IMAX China Holding, Inc. (B)	7,000	6,004
Jinchuan Group International Resources Company, Ltd.	127,000	10,572
Joy City Property, Ltd.	328,000	9,041
Ju Teng International Holdings, Ltd.	130,000	19,506
Kingboard Holdings, Ltd.	73,630	176,092
Kunlun Energy Company, Ltd.	380,000	342,937
Lee & Man Chemical Company, Ltd.	12,000	4,569
Lee & Man Paper Manufacturing, Ltd.	129,000	37,843
Lee's Pharmaceutical Holdings, Ltd.	54,000	10,575
Lifestyle China Group, Ltd. (A)	42,000	4,414
LVGEM China Real Estate Investment Company, Ltd. (A)	60,000	6,006
Min Xin Holdings, Ltd.	24,000	8,878
Mingyuan Medicare Development Company, Ltd. (A)(C)	1,300,000	0
Minmetals Land, Ltd. (A)	118,000	4,552
New World Department Store China, Ltd. (A)	34,000	1,742
Nine Dragons Paper Holdings, Ltd. (A)	185,000	91,146
Orient Overseas International, Ltd.	7,500	104,745
Overseas Chinese Town Asia Holdings, Ltd. (A)	52,000	1,736
PAX Global Technology, Ltd.	84,000	65,071
Poly Property Group Company, Ltd.	162,126	33,045
Pou Sheng International Holdings, Ltd.	223,000	19,434
Prinx Chengshan Holdings, Ltd.	18,000	14,730
Shandong Hi-Speed New Energy Group, Ltd. (A)	12,000	3,315
Shanghai Industrial Holdings, Ltd.	37,000	45,931
Shanghai Industrial Urban Development Group, Ltd. (A)	359,400	17,262
Shenzhen International Holdings, Ltd.	135,199	113,876
Shenzhen Investment, Ltd.	307,271	45,251
Shoucheng Holdings, Ltd.	64,000	12,866
Shougang Fushan Resources Group, Ltd.	164,565	60,697
Silver Grant International Holdings Group, Ltd. (A)	160,000	2,825
Sino Biopharmaceutical, Ltd.	72,000	32,029
Sinofert Holdings, Ltd. (A)	300,000	34,984
Sinopec Kantons Holdings, Ltd.	124,000	53,374
Skyworth Group, Ltd.	149,794	57,224
Sun Art Retail Group, Ltd.	171,500	30,773
Symphony Holdings, Ltd.	20,000	2,178
TCL Electronics Holdings, Ltd. (A)	114,600	37,435
The Wharf Holdings, Ltd.	59,000	190,065
Tian An China Investment Company, Ltd.	54,000	24,360
Tianjin Port Development Holdings, Ltd.	478,000	28,464
Tomson Group, Ltd.	48,142	10,111
Truly International Holdings, Ltd.	136,000	13,924
United Energy Group, Ltd.	464,000	50,529
Vinda International Holdings, Ltd.	20,000	58,316
Wasion Holdings, Ltd.	90,000	45,194
Yuexiu Property Company, Ltd.	165,908	135,290
		6,956,630
Hungary - 0.2%		
MOL Hungarian Oil & Gas PLC	44,734	364,565

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hungary (continued)		
OTP Bank NYRT	1,021	\$ 46,509
		411,074
India - 18.1%		
ACC, Ltd.	5,847	155,042
Aditya Birla Capital, Ltd. (A)	55,560	110,773
Alembic Pharmaceuticals, Ltd.	4,559	41,351
Allcargo Logistics, Ltd.	8,212	31,861
Allcargo Terminals, Ltd.	8,212	5,151
Amara Raja Energy & Mobility, Ltd.	4,664	45,648
Ambuja Cements, Ltd.	38,172	238,167
Andhra Sugars, Ltd.	6,880	9,240
Apar Industries, Ltd.	955	68,793
Apollo Tyres, Ltd.	28,578	155,849
Arvind, Ltd.	12,009	37,530
Ashoka Buildcon, Ltd. (A)	22,051	36,767
Aster DM Healthcare, Ltd. (A)(B)	8,448	41,498
Aurobindo Pharma, Ltd.	29,950	390,487
Avanti Feeds, Ltd.	1,998	10,102
Axis Bank, Ltd.	188,618	2,491,259
Axis Bank, Ltd., GDR	310	20,413
Bajaj Consumer Care, Ltd.	6,744	17,824
Bajaj Holdings & Investment, Ltd.	2,095	193,722
Balmer Lawrie & Company, Ltd.	11,041	28,985
Balrampur Chini Mills, Ltd.	17,968	88,502
Bandhan Bank, Ltd. (B)	32,073	92,830
Bank of Baroda	78,610	217,877
Bank of India	19,819	26,797
Bharat Electronics, Ltd.	610	1,344
Bharat Heavy Electricals, Ltd.	72,839	168,881
Birla Corp., Ltd.	2,709	47,272
Birlasoft, Ltd.	4,416	38,162
Bombay Burmah Trading Company	1,557	29,446
BSE, Ltd.	1,561	41,705
Can Fin Homes, Ltd.	2,623	24,452
Canara Bank	30,693	161,002
Ceat, Ltd.	2,623	76,234
Century Enka, Ltd.	1,383	7,192
Century Textiles & Industries, Ltd.	2,062	30,350
Chambal Fertilizers & Chemicals, Ltd.	19,376	86,949
Chennai Super Kings Cricket, Ltd. (A)(C)	207,315	5,606
Cholamandalam Financial Holdings, Ltd.	7,288	90,887
CIE Automotive India, Ltd.	17,673	100,160
Cipla, Ltd.	30,679	460,658
City Union Bank, Ltd.	27,005	48,256
Cochin Shipyard, Ltd. (B)	2,163	35,203
Container Corp. of India, Ltd.	14,589	150,373
Cosmo First, Ltd.	1,525	11,174
CSB Bank, Ltd. (A)	2,395	12,028
Cyient, Ltd.	4,087	111,942
Dalmia Bharat, Ltd.	4,987	136,583
DB Corp., Ltd.	6,129	19,812
DCB Bank, Ltd.	23,624	37,572
DCM Shriram, Ltd.	3,740	46,114
Deepak Fertilisers & Petrochemicals Corp., Ltd.	3,614	29,472
Delta Corp., Ltd.	4,521	7,922
Dhampur Sugar Mills, Ltd.	2,503	7,619
Dilip Buildcon, Ltd. (B)	1,316	6,077
Dish TV India, Ltd. (A)	48,852	10,701
Dishman Carbogen Amcis, Ltd. (A)	5,361	10,972
DLF, Ltd.	23,119	200,951
Edelweiss Financial Services, Ltd.	46,814	43,715
EID Parry India, Ltd.	9,392	62,805
Electrosteel Castings, Ltd.	35,427	47,468
EPL, Ltd.	5,477	13,227

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Equitas Small Finance Bank, Ltd. (B)	13,945	\$ 17,624
Exide Industries, Ltd.	26,285	100,169
FDC, Ltd. (A)	2,601	12,373
Federal Bank, Ltd.	191,615	359,959
Filatex India, Ltd.	25,766	15,186
Finolex Industries, Ltd.	25,360	63,981
Firstsource Solutions, Ltd.	16,189	35,907
Gabriel India, Ltd.	6,164	29,209
GAIL India, Ltd.	213,935	416,764
GHCL Textiles, Ltd. (A)	6,390	5,350
GHCL, Ltd.	6,390	45,056
Glenmark Pharmaceuticals, Ltd.	13,855	141,778
Godawari Power & Ispat, Ltd.	4,744	43,184
Godfrey Phillips India, Ltd.	2,008	50,852
Godrej Industries, Ltd. (A)	2,755	24,803
Granules India, Ltd.	18,305	88,937
Graphite India, Ltd.	3,611	23,809
Grasim Industries, Ltd.	20,596	527,464
Gujarat Alkalies & Chemicals, Ltd.	3,130	29,113
Gujarat Ambuja Exports, Ltd.	10,728	47,365
Gujarat Narmada Valley Fertilizers & Chemicals, Ltd.	10,255	92,637
Gujarat Pipavav Port, Ltd.	15,449	28,330
Gujarat State Fertilizers & Chemicals, Ltd.	6,962	20,216
Gujarat State Petronet, Ltd.	26,721	98,197
Hathway Cable & Datacom, Ltd. (A)	35,580	9,059
HDFC Bank, Ltd.	103,999	2,128,738
HEG, Ltd.	765	17,458
Heritage Foods, Ltd.	5,330	19,452
Hero MotoCorp, Ltd.	6,879	342,471
HFCL, Ltd.	15,595	15,753
HIL, Ltd.	308	10,394
Himadri Speciality Chemical, Ltd.	24,869	92,369
Hindalco Industries, Ltd.	144,887	1,067,647
Hinduja Global Solutions, Ltd.	372	4,418
Hindustan Aeronautics, Ltd.	3,756	126,566
ICICI Bank, Ltd.	196,478	2,352,113
ICICI Bank, Ltd., ADR	3,737	89,090
IDFC First Bank, Ltd. (A)	171,714	183,036
IDFC, Ltd.	92,305	140,211
IIFL Finance, Ltd.	6,254	44,705
IIFL Securities, Ltd.	28,932	50,377
Indiabulls Housing Finance, Ltd.	33,338	86,548
Indiabulls Real Estate, Ltd. (A)	28,092	29,305
Indian Bank	13,953	70,619
Indian Railway Finance Corp., Ltd. (B)	56,808	67,579
Indo Count Industries, Ltd.	3,259	11,972
Indus Towers, Ltd. (A)	55,200	131,236
IndusInd Bank, Ltd.	26,682	511,190
Infibeam Avenues, Ltd.	35,348	9,123
Info Edge India, Ltd.	2,402	147,992
IOL Chemicals and Pharmaceuticals, Ltd.	1,292	7,167
IRCON International, Ltd. (B)	17,211	35,418
Jagran Prakashan, Ltd. (A)	12,700	14,327
Jindal Poly Films, Ltd.	1,066	8,097
Jindal Saw, Ltd.	26,589	131,812
Jindal Stainless, Ltd.	23,284	159,394
Jindal Steel & Power, Ltd.	46,062	412,970
Jio Financial Services, Ltd. (A)	60,548	169,278
JK Lakshmi Cement, Ltd.	2,089	22,625
JK Paper, Ltd.	7,330	35,784
JK Tyre & Industries, Ltd.	8,887	42,458
JM Financial, Ltd.	33,116	39,090
JSW Energy, Ltd.	33,566	164,803
JSW Steel, Ltd.	79,922	842,460

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Jubilant Pharmova, Ltd.	9,201	\$ 60,207
Kalpataru Projects International, Ltd.	9,196	77,321
Kalyani Steels, Ltd.	2,643	15,409
Kaveri Seed Company, Ltd.	1,661	12,189
Kirloskar Ferrous Industries, Ltd.	4,164	27,287
Kirloskar Oil Engines, Ltd.	3,612	28,370
KNR Constructions, Ltd.	5,559	17,203
Kolte-Patil Developers, Ltd.	3,028	18,588
KRBL, Ltd.	4,567	20,586
L&T Finance Holdings, Ltd.	74,021	146,666
Larsen & Toubro, Ltd.	38,183	1,614,217
LG Balakrishnan & Bros, Ltd.	1,757	26,511
LIC Housing Finance, Ltd.	39,247	252,804
LT Foods, Ltd.	11,217	27,269
Lupin, Ltd.	11,997	190,923
Maharashtra Seamless, Ltd.	8,424	93,137
Mahindra & Mahindra Financial Services, Ltd.	48,327	160,734
Mahindra & Mahindra, Ltd.	59,462	1,231,800
Maithan Alloys, Ltd.	902	12,897
Manappuram Finance, Ltd.	43,917	90,686
Marksans Pharma, Ltd.	15,357	29,755
MAS Financial Services, Ltd. (B)	1,978	20,699
Mazagon Dock Shipbuilders, Ltd.	1,867	51,097
Meghmani Organics, Ltd.	9,521	8,862
Mishra Dhatu Nigam, Ltd. (B)	4,126	20,756
MOIL, Ltd.	12,580	46,795
Motilal Oswal Financial Services, Ltd.	2,458	36,628
MRF, Ltd.	130	201,931
Muthoot Finance, Ltd.	7,383	130,346
Natco Pharma, Ltd.	1,385	13,500
National Aluminium Company, Ltd.	84,797	134,683
Nava, Ltd.	8,719	45,635
Navneet Education, Ltd.	6,921	12,700
NCC, Ltd.	25,675	51,426
NESCO, Ltd.	1,859	19,703
Neuland Laboratories, Ltd.	358	22,743
NIIT Learning Systems, Ltd.	6,437	33,668
NIIT, Ltd.	6,437	8,868
Nilkamal, Ltd.	695	18,787
NMDC Steel, Ltd. (A)	47,542	29,214
NMDC, Ltd.	61,234	153,820
NOCIL, Ltd.	7,663	25,218
Nuvama Wealth Management, Ltd. (A)	522	22,376
Oberoi Realty, Ltd.	7,842	134,393
Orient Cement, Ltd.	11,282	33,978
Paisalo Digital, Ltd.	15,039	16,647
PC Jeweller, Ltd. (A)	10,118	5,651
PCBL, Ltd.	15,470	46,710
Petronet LNG, Ltd.	68,687	183,834
Piramal Enterprises, Ltd.	7,074	79,014
Piramal Pharma, Ltd. (A)	34,799	57,984
PNB Housing Finance, Ltd. (A)(B)	5,239	49,073
PNC Infratech, Ltd.	5,394	22,805
Polyplex Corp., Ltd.	2,563	32,277
Power Finance Corp., Ltd.	113,383	520,691
Prestige Estates Projects, Ltd.	13,348	185,888
PTC India, Ltd.	31,315	71,448
Punjab National Bank	97,317	111,820
Quess Corp., Ltd. (A)(B)	1,882	11,777
Rain Industries, Ltd.	22,684	41,894
Rajesh Exports, Ltd.	6,037	26,621
Rallis India, Ltd.	6,940	20,769
Ramco Industries, Ltd.	4,270	11,233
Ramkrishna Forgings, Ltd.	5,365	46,892

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Rashtriya Chemicals & Fertilizers, Ltd.	10,276	\$ 19,619
Raymond, Ltd.	2,380	49,244
RBL Bank, Ltd. (B)	21,550	72,253
REC, Ltd.	118,880	587,420
Redington, Ltd.	76,545	162,512
Reliance Industries, Ltd.	21,228	659,396
Reliance Industries, Ltd., GDR (B)	87,194	5,445,220
Reliance Power, Ltd. (A)	176,129	49,256
Repcos Home Finance, Ltd.	7,034	33,039
RITES, Ltd.	3,302	19,924
Sagar Cements, Ltd.	2,218	6,778
Samvardhana Motherson International, Ltd.	141,250	172,349
Sarda Energy & Minerals, Ltd.	2,970	9,025
Sharda Cropchem, Ltd.	2,311	12,554
Shilpa Medicare, Ltd. (A)	3,711	14,663
Shipping Corp. of India Land & Assets, Ltd. (A)(C)	14,077	4,576
Shipping Corp. of India, Ltd.	14,077	27,501
Shriram Finance, Ltd.	19,342	477,669
Siyaram Silk Mills, Ltd.	1,656	10,602
Sobha, Ltd.	4,273	50,729
State Bank of India	114,368	881,144
State Bank of India, GDR	3,185	245,716
Steel Authority of India, Ltd.	106,244	157,295
Strides Pharma Science, Ltd.	2,675	20,892
Sun Pharmaceutical Industries, Ltd.	21,745	329,112
Sun TV Network, Ltd.	7,964	68,098
Sunteck Realty, Ltd.	1,942	10,400
Surya Roshni, Ltd.	7,864	73,756
Tamil Nadu Newsprint & Papers, Ltd.	7,174	25,714
Tata Chemicals, Ltd.	12,388	164,876
Tata Coffee, Ltd.	3,872	14,925
Tata Consumer Products, Ltd.	7,562	98,912
Tata Steel, Ltd.	583,100	975,256
Techno Electric & Engineering Company, Ltd.	7,028	67,413
The Great Eastern Shipping Company, Ltd.	12,279	143,902
The India Cements, Ltd. (A)	11,167	34,711
The Jammu & Kashmir Bank, Ltd.	20,576	30,373
The Karnataka Bank, Ltd.	29,158	81,864
The Karur Vysya Bank, Ltd.	52,341	105,789
The Ramco Cements, Ltd.	1,613	19,665
The South Indian Bank, Ltd.	134,442	43,186
Thirumalai Chemicals, Ltd.	3,185	8,382
Time Technoplast, Ltd.	13,461	28,494
TransIndia Real Estate, Ltd. (A)	8,212	4,473
Transport Corp. of India, Ltd.	3,182	31,342
Triveni Engineering & Industries, Ltd.	5,107	21,125
TV Today Network, Ltd.	1,470	3,772
TVS Holdings Pvt. Ltd. (A)(C)	444	5,449
TVS Holdings, Ltd.	444	41,464
Uflex, Ltd.	5,261	30,551
Unichem Laboratories, Ltd. (A)	3,296	16,189
Union Bank of India, Ltd.	81,362	116,228
UPL, Ltd.	42,377	299,103
Usha Martin, Ltd.	9,317	33,213
UTI Asset Management Company, Ltd.	1,155	12,025
VA Tech Wabag, Ltd. (A)	3,621	27,321
Vardhman Textiles, Ltd.	16,115	74,923
Varroc Engineering, Ltd. (A)(B)	2,965	19,655
Vedanta, Ltd.	43,705	135,400
Venky's India, Ltd.	433	10,165
Vodafone Idea, Ltd. (A)	275,824	52,959
Voltamp Transformers, Ltd.	332	25,986
Welspun Corp., Ltd.	14,025	92,294

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Welspun Enterprises, Ltd.	8,780	\$ 34,282
Welspun Living, Ltd.	26,791	46,655
West Coast Paper Mills, Ltd.	3,023	26,547
Wipro, Ltd.	87,340	494,913
Wockhardt, Ltd. (A)	5,480	27,841
Yes Bank, Ltd. (A)	372,455	95,724
Zee Entertainment Enterprises, Ltd. (A)	63,894	210,898
Zee Media Corp., Ltd. (A)	54,429	9,870
Zensar Technologies, Ltd.	8,726	63,910
Zomato, Ltd. (A)	87,379	129,695
Zydus Lifesciences, Ltd.	14,741	121,956
Zydus Wellnes, Ltd.	386	7,762
		<hr/> 39,953,428
Indonesia - 1.5%		
Ace Hardware Indonesia Tbk PT	539,700	25,240
Adaro Energy Indonesia Tbk PT	1,626,200	251,164
Adhi Karya Persero Tbk PT (A)	235,600	4,773
Alam Sutera Realty Tbk PT (A)	1,741,800	18,558
Aneka Tambang Tbk	671,800	74,395
Astra Agro Lestari Tbk PT	49,555	22,625
Astra International Tbk PT	1,511,000	554,116
Bakrie Telecom Tbk PT (A)(C)	17,557,300	28,508
Bank Capital Indonesia Tbk PT (A)	638,900	5,478
Bank Mandiri Persero Tbk PT	198,480	77,970
Bank Negara Indonesia Persero Tbk PT	596,862	208,269
Bank Pan Indonesia Tbk PT (A)	465,597	36,574
Bank Pembangunan Daerah Jawa Barat Dan Banten Tbk PT	303,812	22,688
Bank Pembangunan Daerah Jawa Timur Tbk PT	625,600	25,393
Bank Tabungan Negara Persero Tbk PT	498,774	40,488
Bekasi Fajar Industrial Estate Tbk PT (A)	817,800	7,278
BISI International Tbk PT	290,800	30,220
Blue Bird Tbk PT	5,500	640
Buana Lintas Lautan Tbk PT (A)	1,186,800	11,873
Bukalapak.com PT Tbk (A)	2,769,900	38,827
Bukit Asam Tbk PT	380,100	60,254
Bumi Resources Minerals Tbk PT (A)	1,794,600	19,819
Bumi Resources Tbk PT (A)	4,160,100	22,937
Bumi Serpong Damai Tbk PT (A)	148,600	10,426
Ciputra Development Tbk PT	1,127,244	85,716
Dayamitra Telekomunikasi PT	698,700	31,982
Delta Dunia Makmur Tbk PT	610,700	13,955
Elang Mahkota Teknologi Tbk PT	1,493,800	57,206
Elnusa Tbk PT	742,600	18,701
Erajaya Swasembada Tbk PT	1,113,500	30,800
Gudang Garam Tbk PT	42,600	56,226
Harum Energy Tbk PT (A)	116,500	10,096
Indah Kiat Pulp & Paper Tbk PT	279,700	151,175
Indika Energy Tbk PT	225,300	20,990
Indo Tambangraya Megah Tbk PT	34,600	57,638
Indocement Tunggul Prakarsa Tbk PT	10,100	6,165
Indofood Sukses Makmur Tbk PT	445,800	186,765
Japfa Comfeed Indonesia Tbk PT	499,770	38,303
Jaya Real Property Tbk PT	215,500	9,794
Kawasan Industri Jababeka Tbk PT (A)	2,384,099	20,752
Krakatau Steel Persero Tbk PT (A)	733,900	6,771
Lippo Karawaci Tbk PT (A)	4,020,148	25,309
Malindo Feedmill Tbk PT (A)	128,500	4,295
Medco Energi Internasional Tbk PT	877,026	65,761
Media Nusantara Citra Tbk PT	718,600	18,013
Metrodata Electronics Tbk PT	347,700	12,082
Multipolar Tbk PT (A)	1,981,400	9,391
Pabrik Kertas Tjiwi Kimia Tbk PT	101,200	47,973
Pakuwon Jati Tbk PT	372,300	10,974

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Indonesia (continued)		
Panin Financial Tbk PT (A)	949,400	\$ 16,274
Paninvest Tbk PT (A)	116,800	7,473
Perusahaan Perkebunan London Sumatra Indonesia Tbk PT	318,000	18,377
PP Persero Tbk PT (A)	292,600	8,133
Puradelta Lestari Tbk PT	1,584,700	16,770
Ramayana Lestari Sentosa Tbk PT	463,200	15,488
Salim Ivomas Pratama Tbk PT	670,100	16,371
Samudera Indonesia Tbk PT	784,800	16,310
Semen Indonesia Persero Tbk PT	296,292	123,140
Sri Rejeki Isman Tbk PT (A)(C)	1,260,900	11,956
Summarecon Agung Tbk PT	627,000	23,414
Surya Citra Media Tbk PT	1,429,000	15,772
Surya Esa Perkasa Tbk PT	400,900	13,801
Suryainti Permata Tbk PT (A)(C)	1,446,000	0
Timah Tbk PT	210,500	8,817
Truba Alam Manunggal Engineering PT (A)(C)	11,991,500	0
Tunas Baru Lampung Tbk PT	554,057	24,999
United Tractors Tbk PT	169,300	248,764
Vale Indonesia Tbk PT	188,500	52,766
Waskita Karya Persero Tbk PT (A)(C)	596,656	4,697
Wijaya Karya Persero Tbk PT (A)(C)	349,400	5,445
XL Axiata Tbk PT	494,171	64,158
		<hr/> 3,308,271
Kuwait - 0.5%		
A'ayan Leasing & Investment Company KSCP	25,736	14,564
Agility Public Warehousing Company KSC (A)	108,006	178,783
Ahli United Bank KSCP	5,491	4,681
Al Ahli Bank of Kuwait KSCP	55,712	42,220
Alimtiq Investment Group KSC (A)	14,768	2,714
Arzan Financial Group for Financing & Investment KPSC	30,910	21,111
Boubyan Petrochemicals Company KSCP	37,467	71,344
Burgan Bank SAK	86,167	48,221
Commercial Facilities Company SAKP	19,089	9,879
Gulf Bank KSCP	178,125	162,842
Gulf Cables & Electrical Industries Group Company KSCP	9,328	39,752
Integrated Holding Company KCSC	11,650	19,333
Kuwait Financial Centre SAK	34,781	11,427
Kuwait International Bank KSCP	105,646	51,561
Mezzan Holding Company KSCP	7,110	13,285
Mobile Telecommunications Company KSCP	192,134	317,039
National Industries Group Holding SAK	134,465	89,216
National Investments Company KSCP	29,338	22,810
Warba Bank KSCP	102,943	62,295
		<hr/> 1,183,077
Malaysia - 1.5%		
Aeon Company M BHD	28,600	6,780
AFFIN Bank BHD	87,281	39,500
Alliance Bank Malaysia BHD	102,300	75,452
AMMB Holdings BHD	142,862	124,608
Axiata Group BHD	89,700	46,438
Bank Islam Malaysia BHD	52,500	25,241
Batu Kawan BHD	3,100	13,894
Berjaya Assets BHD (A)	77,400	4,963
Berjaya Corp. BHD (A)	439,496	27,720
Berjaya Land BHD (A)	244,400	14,891
Bumi Armada BHD (A)	163,800	17,624
Cahaya Mata Sarawak BHD	52,100	12,237
CIMB Group Holdings BHD	473,164	602,425

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Malaysia (continued)		
Dayang Enterprise Holdings BHD	83,900	\$ 29,179
DRB-Hicom BHD	93,400	28,228
Eco World Development Group BHD	84,300	19,255
Ekovest BHD (A)	146,600	15,611
FGV Holdings BHD	33,400	10,034
Gamuda BHD	120,988	120,834
Genting BHD	138,000	138,703
Genting Malaysia BHD	199,000	116,448
Genting Plantations BHD	22,400	27,695
Hengyuan Refining Company BHD (A)	16,800	11,220
Hiap Teck Venture BHD	118,300	10,928
Hibiscus Petroleum BHD	68,760	37,976
Hong Leong Financial Group BHD	18,299	65,479
IJM Corp. BHD	211,160	86,331
IOI Properties Group BHD	127,700	27,680
JAKS Resources BHD (A)	177,060	7,131
Jaya Tiasa Holdings BHD	58,826	11,646
Keck Seng Malaysia BHD	11,300	11,752
KNM Group BHD (A)	571,500	11,207
Kossan Rubber Industries BHD	85,200	34,295
Land & General BHD	437,820	11,428
Lotte Chemical Titan Holding BHD (A)(B)	30,231	8,882
Magnum BHD	110,314	26,166
Mah Sing Group BHD	192,300	34,709
Malayan Banking BHD	40,337	78,022
Malaysia Building Society BHD	190,704	29,436
Malaysian Resources Corp. BHD	207,000	20,026
Matrix Concepts Holdings BHD	26,100	9,374
MBM Resources BHD	11,400	10,513
Mega First Corp. BHD	12,600	10,118
MISC BHD	75,300	119,420
MKH BHD	49,230	15,315
MNRB Holdings BHD	36,891	9,786
Muhibbah Engineering M BHD (A)	103,950	17,524
Oriental Holdings BHD	35,720	49,196
OSK Holdings BHD	111,397	30,068
Pos Malaysia BHD (A)	30,900	3,327
PPB Group BHD	30,500	96,079
RHB Bank BHD	142,596	169,095
Sapura Energy BHD (A)	655,500	6,416
Sarawak Oil Palms BHD	11,700	6,596
Sime Darby BHD	255,000	130,390
Sime Darby Property BHD	271,300	36,877
SP Setia BHD Group	173,900	30,233
Sunway BHD	142,407	63,830
Supermax Corp. BHD	40,500	8,283
Tan Chong Motor Holdings BHD	6,300	1,330
Top Glove Corp. BHD (A)	277,600	54,355
Tropicana Corp. BHD (A)	161,380	45,663
TSH Resources BHD	114,900	24,374
UEM Edgenta BHD	32,900	7,087
UEM Sunrise BHD	248,800	44,129
UMW Holdings BHD	48,800	52,903
United Malacca BHD	11,900	13,104
UOA Development BHD	152,100	57,585
Velesto Energy BHD (A)	428,800	21,444
WCT Holdings BHD	194,483	20,926
Yinson Holdings BHD	74,200	40,375
YNH Property BHD (A)	6,819	6,305
YTL Corp. BHD	254,837	104,724
		3,358,818
Mexico - 3.0%		
Alfa SAB de CV, Class A	370,181	296,258
Alpek SAB de CV	31,500	23,522
Banco del Bajío SA (B)	47,395	158,253

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mexico (continued)		
Cemex SAB de CV, Series CPO (A)	730,985	\$ 568,654
Consorcio ARA SAB de CV	25,993	5,587
Controladora AXTEL SAB DE CV (A)	370,181	3,902
Corp. Actinver SAB de CV	16,024	14,438
El Puerto de Liverpool SAB de CV, Series C1	11,379	77,846
Fomento Economico Mexicano SAB de CV	40,053	522,357
Genomma Lab Internacional SAB de CV, Class B	42,701	35,557
Genera SAB de CV	114,051	158,977
Grupo Carso SAB de CV, Series A1	21,678	241,559
Grupo Comercial Chedraui SA de CV	18,476	111,818
Grupo Financiero Banorte SAB de CV, Series O	116,635	1,175,210
Grupo Financiero Inbursa SAB de CV, Series O (A)	97,071	265,872
Grupo KUO SAB de CV, Series B (A)	42,698	111,139
Grupo Mexico SAB de CV, Series B	190,885	1,060,934
Grupo Pochteca SAB de CV (A)	9,600	4,065
Grupo Televisa SAB, Series CPO	151,286	101,475
Industrias CH SAB de CV, Series B (A)	18,800	214,770
Industrias Penoles SAB de CV (A)	8,071	117,736
La Comer SAB de CV	31,984	82,498
Megacable Holdings SAB de CV, Series CPO	56,817	126,643
Minera Frisco SAB de CV, Series A1 (A)	166,263	22,715
Nemak SAB de CV (A)(B)	196,961	47,903
Orbia Advance Corp. SAB de CV	73,770	163,301
Organizacion Cultiva SAB de CV (A)	17,095	12,564
Organizacion Soriana SAB de CV, Series B	190,849	408,874
Promotora y Operadora de Infraestructura SAB de CV	15,780	170,299
Promotora y Operadora de Infraestructura SAB de CV, L Shares	3,141	21,272
Regional SAB de CV	14,634	139,946
Vista Energy SAB de CV, ADR (A)	1,887	55,685
Vitro SAB de CV, Series A	6,357	8,797
		6,530,426
Panama - 0.0%		
BAC Holding International Corp.	12,573	691
Philippines - 0.7%		
ACEN Corp.	22,837	1,805
Alliance Global Group, Inc.	232,800	47,431
Ayala Corp.	10,150	124,800
Ayala Land, Inc.	44,200	27,475
BDO Unibank, Inc.	117,082	275,836
China Banking Corp.	75,528	42,080
Cosco Capital, Inc.	388,900	32,452
DMCI Holdings, Inc.	207,300	36,570
East West Banking Corp.	74,300	11,435
Filinvest Development Corp.	119,475	11,531
Filinvest Land, Inc.	937,500	9,981
First Philippine Holdings Corp.	29,660	33,474
Global Ferronickel Holdings, Inc.	283,424	10,542
GT Capital Holdings, Inc.	5,819	62,013
JG Summit Holdings, Inc.	157,922	108,775
LT Group, Inc.	159,800	25,913
Megaworld Corp.	839,700	29,866
Metropolitan Bank & Trust Company	130,973	121,316
Petron Corp.	289,400	18,539
Philex Mining Corp.	161,300	9,342
Philippine National Bank (A)	65,310	21,827
Philtown Properties, Inc. (A)(C)	3,844	107

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Philippines (continued)		
Phoenix Petroleum Philippines, Inc. (A)	22,200	\$ 1,962
PNB Holdings Corp. (A)(C)	10,246	59
Premium Leisure Corp.	815,000	9,270
Puregold Price Club, Inc.	79,400	38,563
RFM Corp.	133,500	7,233
Rizal Commercial Banking Corp.	62,703	26,041
Robinsons Land Corp.	172,268	49,575
Robinsons Retail Holdings, Inc.	16,680	11,945
San Miguel Corp.	46,220	85,214
Security Bank Corp.	27,730	35,807
Top Frontier Investment Holdings, Inc. (A)	18,024	33,120
Union Bank of the Philippines	88,428	80,399
Vista Land & Lifescapes, Inc.	569,000	17,262
		1,459,560
Poland - 1.0%		
Alior Bank SA (A)	7,988	155,075
Asseco Poland SA	3,955	73,463
Bank Polska Kasa Opieki SA	6,223	240,601
Cognor Holding SA	7,020	14,880
Cyfrowy Polsat SA (A)	12,426	38,942
Develia SA	22,340	25,771
Enea SA (A)	23,802	55,473
Grupa Azoty SA (A)	4,728	29,687
Jastrzebska Spolka Weglowa SA (A)	4,702	50,242
KGHM Polska Miedz SA	8,799	274,474
Lubelski Wegiel Bogdanka SA	2,164	18,717
ORLEN SA	50,338	838,129
PGE Polska Grupa Energetyczna SA (A)	66,331	146,330
PKP Cargo SA (A)	5,709	21,159
Polimex-Mostostal SA (A)	8,593	9,087
Stalexport Autostrady SA	15,820	12,787
Tauron Polska Energia SA (A)	90,488	85,876
		2,090,693
Qatar - 0.8%		
Aamal Company	210,501	48,548
Aljjarah Holding Company QPSC	77,548	15,398
Baladna (A)	72,138	23,794
Barwa Real Estate Company	159,302	125,940
Commercial Bank PSQC	196,768	321,473
Doha Bank QPSC	182,415	91,418
Doha Insurance Company QSC	25,407	16,608
Gulf International Services QSC	102,379	76,764
Gulf Warehousing Company	19,525	16,654
Masraf Al Rayan QSC	352,036	250,521
Mazaya Real Estate Development QPSC (A)	59,396	11,805
Medicare Group	14,403	21,553
Mesaieed Petrochemical Holding Company	223,749	108,730
Ooredoo QPSC	80,019	239,464
Qatar Aluminum Manufacturing Company	84,909	32,628
Qatar Gas Transport Company, Ltd.	58,127	55,217
Qatar Insurance Company SAQ (A)	108,628	77,442
Qatar National Cement Company QSC	23,781	25,773
Qatar Navigation QSC	41,293	108,795
Salam International Investment, Ltd., QSC (A)	94,802	17,668
United Development Company QSC	177,150	50,408
Vodafone Qatar QSC	116,169	59,961
		1,796,562
Russia - 0.0%		
Gazprom PJSC, ADR (A)(C)	196,506	21,616
LUKOIL PJSC, ADR (A)(C)	16,379	32,103
Rosneft Oil Company PJSC, GDR (London Stock Exchange) (A)(C)	1,686	1,686

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Russia (continued)		
RusHydro PJSC, ADR (A)(C)	52,278	\$ 1,568
VTB Bank PJSC, GDR (A)(C)	86,297	1,726
		58,699
Saudi Arabia - 3.8%		
Al Babtain Power & Telecommunication Company	3,997	29,613
Al Jouf Cement Company (A)	5,694	18,645
AlAbdullatif Industrial Investment Company (A)	1,743	7,589
AlJazira Takaful Ta'awuni Company (A)	2,630	11,845
Allianz Saudi Fransi Cooperative Insurance Company (A)	3,894	17,791
Alujain Corp. (A)	2,675	28,280
Arab National Bank	60,610	409,566
Arabian Cement Company	4,196	38,585
Arabian Shield Cooperative Insurance Company (A)	4,765	23,068
Arriyadh Development Company	5,359	30,020
Bank Al-Jazira (A)	36,964	184,217
Banque Saudi Fransi	43,109	459,637
City Cement Company	6,807	38,172
Dar Al Arkan Real Estate Development Company (A)	49,101	182,133
Eastern Province Cement Company	3,671	37,149
Emaar Economic City (A)	21,759	45,964
Ethiad Etisalat Company	24,879	327,781
Hail Cement Company	4,570	14,746
Jazan Energy and Development Company (A)	2,068	8,297
L'Azurde Company for Jewelry	2,204	8,359
Methanol Chemicals Company (A)	2,886	15,460
Mobile Telecommunications Company Saudi Arabia	47,765	179,928
Najran Cement Company	7,837	23,643
National Industrialization Company (A)	27,624	90,574
Nayifat Finance Company (A)	2,655	10,403
Northern Region Cement Company	10,351	29,078
Rabigh Refining & Petrochemical Company (A)	27,500	76,356
Riyad Bank	19,428	147,819
Sahara International Petrochemical Company	33,187	301,016
Saudi Awwal Bank	66,223	663,583
Saudi Basic Industries Corp.	68,764	1,526,453
Saudi Ceramic Company	4,758	34,567
Saudi Chemical Company Holding	32,830	37,442
Saudi Industrial Investment Group	19,890	117,618
Saudi Kayan Petrochemical Company (A)	70,876	205,150
Saudi Marketing Company	2,495	14,930
Seera Group Holding (A)	16,962	120,288
SHL Finance Company	4,742	22,878
Sinad Holding Company (A)	4,643	16,190
Southern Province Cement Company	3,125	35,578
Sustained Infrastructure Holding Company	2,229	17,796
Tabuk Cement Company (A)	4,675	16,901
Taiba Investments Company (A)	4,428	31,465
The National Company for Glass Industries	912	9,432
The Saudi Investment Bank	43,032	182,370
The Saudi National Bank	206,612	2,130,832
The Savola Group	7,399	73,697
Umm Al-Qura Cement Company (A)	2,316	10,493
Walaa Cooperative Insurance Company (A)	2,050	10,292
Yamaha Cement Company	11,422	104,621

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Saudi Arabia (continued)		
Yanbu National Petrochemical Company	10,119	\$ 102,450
		8,280,760
Singapore - 0.0%		
BOC Aviation, Ltd. (B)	8,100	61,997
South Africa - 2.8%		
Absa Group, Ltd.	60,222	537,461
AECI, Ltd.	11,686	70,145
African Rainbow Minerals, Ltd.	7,608	83,133
Aspen Pharmacare Holdings, Ltd.	23,325	260,194
Astral Foods, Ltd.	2,733	21,901
Balwin Properties, Ltd.	6,271	743
Barloworld, Ltd.	21,853	94,366
Blue Label Telecoms, Ltd. (A)	44,582	9,444
Caxton & CTP Publishers & Printers, Ltd.	19,879	11,608
DataTec, Ltd.	21,618	47,629
Exxaro Resources, Ltd.	20,960	235,317
Grindrod, Ltd.	45,556	28,573
Harmony Gold Mining Company, Ltd.	4,173	27,180
Harmony Gold Mining Company, Ltd., ADR	27,692	170,306
Hudaco Industries, Ltd.	5,065	44,656
Impala Platinum Holdings, Ltd.	78,568	390,167
Investec, Ltd.	9,367	64,276
KAP, Ltd. (A)	257,249	36,982
Lewis Group, Ltd.	14,408	33,896
Life Healthcare Group Holdings, Ltd.	82,813	83,417
Metair Investments, Ltd. (A)	23,633	22,912
Momentum Metropolitan Holdings	107,651	129,103
Motus Holdings, Ltd.	14,065	78,072
Mpact, Ltd.	23,460	38,059
MTN Group, Ltd.	84,986	536,070
Nedbank Group, Ltd.	30,206	356,569
Oceana Group, Ltd.	5,108	19,740
Old Mutual, Ltd.	351,536	250,169
Omnia Holdings, Ltd.	19,012	68,331
Pepkor Holdings, Ltd. (B)	136,329	146,256
PPC, Ltd. (A)	168,790	36,977
Raubex Group, Ltd.	20,799	31,452
RCL Foods, Ltd. (A)	35,643	16,456
Reunert, Ltd.	9,501	31,043
Sappi, Ltd.	61,862	149,767
Sasol, Ltd.	48,409	487,851
Sibanye Stillwater, Ltd.	166,515	223,251
Sibanye Stillwater, Ltd., ADR (D)	12,243	66,479
Standard Bank Group, Ltd.	61,423	700,272
Super Group, Ltd.	42,421	68,969
Telkom SA SOC, Ltd. (A)	37,622	61,025
The Foschini Group, Ltd.	29,021	177,307
Thungela Resources, Ltd.	9,946	83,639
Trencor, Ltd. (A)	40,666	15,104
Wilson Bayly Holmes-Ovcon, Ltd. (A)	2,315	16,415
Zeda, Ltd. (A)	21,853	15,183
		6,077,865
South Korea - 12.5%		
Advanced Process Systems Corp. (A)	893	15,416
Ajin Industrial Company, Ltd.	8,098	27,617
AK Holdings, Inc. (A)	743	9,844
AMOREPACIFIC Group (A)	1,900	42,996
Ananti, Inc. (A)	1,993	10,067
Asia Cement Company, Ltd.	320	2,601
ASIA Holdings Company, Ltd.	241	34,953
Asia Paper Manufacturing Company, Ltd.	565	18,077
BH Company, Ltd.	1,348	22,027
Binggrae Company, Ltd. (A)	522	22,129

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
BNK Financial Group, Inc.	20,556	\$ 113,687
Bookook Securities Company, Ltd. (A)	501	8,443
Chongkundang Holdings Corp. (A)	288	13,227
Chorokbaem Media Company, Ltd. (A)(C)	1,145	4,801
Chosun Refractories Company, Ltd. (A)	1,001	16,334
CJ CGV Company, Ltd. (A)	4,835	21,651
CJ CheilJedang Corp.	819	205,557
CJ Corp. (A)	1,674	122,238
CJ ENM Company, Ltd. (A)	847	47,326
CJ Freshway Corp. (A)	868	16,048
CJ Logistics Corp. (A)	826	81,358
Com2uS Corp.	399	15,199
CR Holdings Company, Ltd. (A)	2,378	11,918
Cuckoo Homesys Company, Ltd. (A)	560	9,315
Dae Won Kang Up Company, Ltd. (A)	4,385	18,407
Daedong Corp. (A)	860	11,313
Daehan Flour Mills Company, Ltd. (A)	232	23,005
Daesang Corp. (A)	2,028	32,593
Daesang Holdings Company, Ltd. (A)	2,310	23,909
Daewoo Engineering & Construction Company, Ltd. (A)	20,805	66,767
Daewoong Company, Ltd. (A)	1,698	27,112
Dahaam E-Tec Company, Ltd. (A)(C)	2,630	71,269
Daihan Pharmaceutical Company, Ltd. (A)	563	12,121
Daishin Securities Company, Ltd. (A)	3,901	43,277
Daol Investment & Securities Company, Ltd. (A)	4,729	14,294
Daou Technology, Inc. (A)	2,309	32,017
DB Financial Investment Company, Ltd. (A)	3,849	11,497
DB Insurance Company, Ltd. (A)	3,452	223,562
Deutsch Motors, Inc.	3,903	15,075
DGB Financial Group, Inc. (A)	19,003	124,951
DL E&C Company, Ltd. (A)	4,034	112,503
DL Holdings Company, Ltd. (A)	1,609	63,925
DMS Company, Ltd.	3,275	17,196
DN Automotive Corp.	198	11,216
Dong-A Socio Holdings Company, Ltd.	153	11,995
Dong-A ST Company, Ltd.	339	18,150
Dongkuk CM Company, Ltd. (A)	2,006	11,040
Dongkuk Holdings Company, Ltd. (A)	1,068	7,252
Dongkuk Steel Mill Company, Ltd. (A)	3,328	31,046
Dongwha Pharm Company, Ltd. (A)	1,912	15,235
Dongwon Development Company, Ltd. (A)	5,212	12,774
Dongwon F&B Company, Ltd. (A)	610	15,483
Doosan Bobcat, Inc.	4,079	158,891
Doosan Company, Ltd. (A)	554	40,216
DoubleUGames Company, Ltd. (A)	512	18,850
Easy Holdings Company, Ltd.	3,872	9,556
EBEST Investment & Securities Company, Ltd. (A)	2,321	6,977
E-MART, Inc. (A)	1,480	87,787
Eugene Corp. (A)	6,888	18,395
Eugene Investment & Securities Company, Ltd. (A)	11,471	31,415
Eusu Holdings Company, Ltd.	1,407	6,317
Farmsco (A)	2,687	6,774
Green Cross Corp. (A)	133	12,914
Green Cross Holdings Corp. (A)	1,608	20,360
GS Engineering & Construction Corp. (A)	4,548	52,917
GS Global Corp. (A)	7,813	15,445
GS Holdings Corp.	5,061	160,229
GS Retail Company, Ltd. (A)	3,309	59,037
Gwangju Shinsegae Company, Ltd.	760	17,719
Haesung Industrial Company, Ltd. (A)	1,128	7,053

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Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Hana Financial Group, Inc.	21,723	\$ 728,689
Handok, Inc. (A)	729	8,093
Handsome Company, Ltd. (A)	1,545	22,888
Hanil Cement Company, Ltd.	1,450	14,369
Hanil Holdings Company, Ltd.	3,183	27,581
Hanjin Transportation Company, Ltd. (A)	1,052	20,277
Hankook Tire & Technology Company, Ltd. (A)	5,360	188,387
Hanshin Construction Company, Ltd. (A)	1,844	10,321
Hansol Holdings Company, Ltd. (A)	5,241	11,668
Hansol Paper Company, Ltd.	2,920	24,089
Hansol Technics Company, Ltd. (A)	3,325	17,869
Hanwha Corp. (A)	2,757	54,970
Hanwha Galleria Corp. (A)	5,420	5,703
Hanwha Investment & Securities Company, Ltd. (A)	15,071	40,680
Hanwha Life Insurance Company, Ltd. (A)	34,108	74,767
Hanwha Solutions Corp. (A)	6,382	193,974
Hanyang Eng Company, Ltd. (A)	1,654	19,854
Harim Holdings Company, Ltd. (A)	1,443	8,695
HD Hyundai Company, Ltd.	3,580	175,474
HD Hyundai Construction Equipment Company, Ltd.	1,613	64,533
HD Korea Shipbuilding & Offshore Engineering Company, Ltd.	2,512	234,947
HDC Holdings Company, Ltd. (A)	2,737	14,618
HDC Hyundai Development Co-Engineering & Construction, Series E (A)	3,037	34,365
Hitejinro Holdings Company, Ltd. (A)	995	6,727
HL Holdings Corp. (A)	837	21,665
HL Mando Company, Ltd. (A)	2,213	67,323
HMM Company, Ltd. (A)	21,976	333,403
HS Industries Company, Ltd. (A)	4,056	10,878
Huons Global Company, Ltd.	581	10,663
Huvis Corp. (A)	3,715	11,878
Hwa Shin Company, Ltd. (A)	2,283	24,125
Hyosung Corp. (A)	540	26,467
Hyundai Corp. (A)	1,339	19,593
Hyundai Corp. Holdings, Inc. (A)	1,811	15,084
Hyundai Department Store Company, Ltd. (A)	1,243	49,819
Hyundai Engineering & Construction Company, Ltd. (A)	5,407	145,954
Hyundai Futurenet Company, Ltd. (A)	8,894	21,912
Hyundai GF Holdings (A)	3,419	9,653
Hyundai Glovis Company, Ltd. (A)	1,260	186,699
Hyundai Green Food (A)	1,814	16,150
Hyundai Home Shopping Network Corp. (A)	652	21,737
Hyundai Livart Furniture Company, Ltd. (A)	1,327	7,985
Hyundai Marine & Fire Insurance Company, Ltd. (A)	4,678	112,239
Hyundai Mobis Company, Ltd.	3,299	604,420
Hyundai Motor Company	10,087	1,586,736
Hyundai Motor Securities Company, Ltd. (A)	3,480	23,183
Hyundai Steel Company (A)	6,801	191,665
Hyundai Wia Corp. (A)	1,286	64,714
Iijin Holdings Company, Ltd.	4,669	14,155
iMarketKorea, Inc.	1,985	13,222
Industrial Bank of Korea (A)	18,712	171,991
Innocean Worldwide, Inc.	938	15,584
INTOPS Company, Ltd.	1,374	28,682

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Inzi Controls Company, Ltd. (A)	1,760	\$ 11,055
IS Dongseo Company, Ltd. (A)	860	19,241
JB Financial Group Company, Ltd.	11,451	100,953
Jeil Savings Bank (A)(C)	1,820	0
Kangwon Land, Inc. (A)	3,386	41,960
KAON Group Company, Ltd. (A)	3,123	12,155
KB Financial Group, Inc.	550	22,947
KB Financial Group, Inc., ADR (D)	25,595	1,058,865
KC Company, Ltd. (A)	1,496	21,333
KCC Corp.	347	61,282
KCC Glass Corp.	939	29,910
KCTC (A)	4,403	13,304
KG Chemical Corp. (A)	3,995	21,170
KG Eco Technology Service Company, Ltd.	1,161	10,117
Kginicis Company, Ltd.	1,190	11,068
KGMobilians Company, Ltd.	2,700	11,417
Kia Corp. (A)	21,250	1,643,333
KISCO Corp.	4,131	21,075
KISCO Holdings Company, Ltd.	1,536	28,334
KISWIRE, Ltd. (A)	1,688	26,592
KIWOOOM Securities Company, Ltd. (A)	1,432	110,187
Kolmar Korea Holdings Company, Ltd.	2,646	16,204
Kolon Corp. (A)	898	12,118
Kolon Industries, Inc. (A)	1,911	65,773
Korea Asset In Trust Company, Ltd.	9,060	22,222
Korea Circuit Company, Ltd. (A)	1,415	21,840
Korea Electric Terminal Company, Ltd.	561	32,619
Korea Investment Holdings Company, Ltd. (A)	3,247	153,789
Korea Line Corp. (A)	23,137	38,638
Korea Petrochemical Industrial Company, Ltd. (A)	441	52,216
Korea Real Estate Investment & Trust Company, Ltd.	14,635	13,345
Korea United Pharm, Inc. (A)	287	6,002
Korea Zinc Company, Ltd.	187	71,982
Korean Air Lines Company, Ltd. (A)	7,073	130,674
Korean Reinsurance Company (A)	13,636	75,721
Kortek Corp. (A)	1,806	9,173
KPX Chemical Company, Ltd.	660	22,285
KSS LINE, Ltd. (A)	3,562	25,558
KT Skylife Company, Ltd. (A)	1,768	8,113
Kukdo Chemical Company, Ltd. (A)	194	6,159
Kumho HT, Inc. (A)	19,985	9,913
Kumho Petrochemical Company, Ltd. (A)	1,206	123,846
Kumho Tire Company, Inc. (A)	5,333	22,228
KUMHOE&C Company, Ltd. (A)	2,357	9,491
Kwang Dong Pharmaceutical Company, Ltd. (A)	3,313	19,086
Kyeryong Construction Industrial Company, Ltd.	844	9,461
Kyung-In Synthetic Corp. (A)	4,181	12,491
LB Semicon, Inc. (A)	1,051	6,286
LF Corp. (A)	2,312	23,816
LG Chem, Ltd. (A)	919	353,469
LG Corp. (A)	6,087	404,507
LG Display Company, Ltd., ADR (D)	38,635	186,221
LG Electronics, Inc.	9,906	778,988
LG H&H Company, Ltd. (A)	349	95,865
LG HelloVision Company, Ltd. (A)	3,836	10,179
LG Upluss Corp.	18,651	147,917
Lotte Chemical Corp. (A)	1,213	143,719
Lotte Chilsung Beverage Company, Ltd. (A)	253	28,742

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Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Lotte Corp. (A)	2,012	\$ 42,131
LOTTE Fine Chemical Company, Ltd. (A)	1,504	67,524
LOTTE Himart Company, Ltd. (A)	1,006	8,003
Lotte Shopping Company, Ltd. (A)	881	51,154
Lotte Wellfood Company, Ltd. (A)	95	9,114
LS Corp. (A)	1,347	96,980
LX Hausys, Ltd. (A)	659	22,264
LX Holdings Corp. (A)	2,952	16,153
LX International Corp. (A)	2,902	66,052
Mirae Asset Life Insurance Company, Ltd. (A)	8,582	31,735
Mirae Asset Securities Company, Ltd. (A)	22,352	131,993
MK Electron Company, Ltd.	1,860	17,583
Motonic Corp. (A)	2,259	14,502
Muhak Company, Ltd. (A)	2,080	8,653
Namyang Dairy Products Company, Ltd. (A)	58	27,340
Netmarble Corp. (A)(B)	1,149	51,557
Nexen Corp. (A)	3,733	12,032
Nexen Tire Corp. (A)	6,465	40,238
NH Investment & Securities Company, Ltd. (A)	12,340	98,696
NHN Corp. (A)	1,882	33,996
Nice Information & Telecommunication, Inc. (A)	705	11,781
Nong Shim Holdings Company, Ltd. (A)	402	20,204
NongShim Company, Ltd. (A)	133	41,962
NOVAREX Company, Ltd. (A)	1,637	15,401
OCI Company, Ltd.	500	43,003
OCI Holdings Company, Ltd.	1,105	90,695
Orion Holdings Corp. (A)	2,756	31,182
Ottogi Corp. (A)	84	26,051
Pan Ocean Company, Ltd. (A)	26,446	76,469
Paradise Company, Ltd. (A)	1,963	20,224
Partron Company, Ltd.	3,579	22,576
PHA Company, Ltd. (A)	2,626	20,250
Poongsan Corp. (A)	2,423	73,410
Poongsan Holdings Corp. (A)	1,129	32,342
POSCO Holdings, Inc.	4,797	1,844,402
RFTech Company, Ltd. (A)	4,033	12,245
Sam Young Electronics Company, Ltd. (A)	938	6,238
Samho Development Company, Ltd. (A)	4,213	11,104
SAMPYO Cement Company, Ltd. (A)	4,134	10,031
Samsung C&T Corp. (A)	4,114	412,669
Samsung Card Company, Ltd. (A)	2,454	61,556
Samsung Electronics Company, Ltd.	73,567	4,465,285
Samsung Fire & Marine Insurance Company, Ltd. (A)	1,647	335,554
Samsung Life Insurance Company, Ltd.	4,195	224,429
Samsung Securities Company, Ltd.	4,810	143,291
Samyang Corp. (A)	258	8,924
Samyang Holdings Corp. (A)	535	28,638
Sangsangin Company, Ltd. (A)	3,653	10,582
SeAH Besteel Holdings Corp. (A)	1,017	19,575
Sebang Company, Ltd. (A)	1,153	10,935
Sebang Global Battery Company, Ltd. (A)	601	26,987
Seegene, Inc.	2,081	36,890
Sejong Industrial Company, Ltd. (A)	1,547	7,111
Sejong Telecom, Inc.	16,079	9,413
Seohee Construction Company, Ltd.	13,592	14,436
Seoul Semiconductor Company, Ltd. (A)	3,322	26,110
Seoyon Company, Ltd. (A)	2,508	16,660
SGC Energy Company, Ltd. (A)	744	15,747
SGC eTec E&C Company, Ltd. (A)	231	3,455
Shindaeyang Paper Company, Ltd. (A)	2,670	11,631

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Shinhan Financial Group Company, Ltd.	2,494	\$ 77,323
Shinhan Financial Group Company, Ltd., ADR (D)	32,928	1,013,524
Shinsegae Food Company, Ltd. (A)	268	8,190
Shinsegae International, Inc.	1,033	14,636
Shinsegae, Inc.	668	90,590
Shinyoung Securities Company, Ltd.	580	26,786
SIMMTECH HOLDINGS Company, Ltd.	3,917	9,974
SK Chemicals Company, Ltd.	288	15,000
SK Discovery Company, Ltd.	1,496	45,450
SK Gas, Ltd.	304	34,908
SK Hynix, Inc.	797	86,983
SK Innovation Company, Ltd. (A)	4,643	502,455
SK Networks Company, Ltd. (A)	16,268	72,398
SK Securities Company, Ltd.	27,076	13,450
SK, Inc.	2,806	386,243
SL Corp. (A)	1,341	37,051
SNT Holdings Company, Ltd.	1,460	19,570
SNT Motiv Company, Ltd.	882	29,500
S-Oil Corp.	3,185	171,506
Songwon Industrial Company, Ltd. (A)	1,547	19,613
Spigen Korea Company, Ltd.	525	13,443
Sugentech, Inc. (A)	1,378	8,285
Suheung Company, Ltd. (A)	502	11,177
Sungshin Cement Company, Ltd. (A)	2,022	13,308
Sungwoo Hitech Company, Ltd. (A)	2,984	21,754
Sunjin Company, Ltd. (A)	2,276	11,687
Taekwang Industrial Company, Ltd. (A)	48	22,683
Taeyoung Engineering & Construction Company, Ltd. (A)	2,234	4,005
Tongyang Life Insurance Company, Ltd. (A)	7,644	26,833
TS Corp. (A)	12,730	31,404
TY Holdings Company, Ltd. (A)	2,153	7,049
Uju Electronics Company, Ltd. (A)	672	8,048
Unid Btplus Company, Ltd. (A)	637	3,509
Unid Company, Ltd.	406	21,320
Webzen, Inc. (A)	1,480	18,736
WiSoL Company, Ltd. (A)	2,256	13,596
Wonik Holdings Company, Ltd. (A)	5,948	15,531
Wonik Materials Company, Ltd. (A)	880	20,446
Woori Financial Group, Inc.	41,842	421,141
Young Poong Corp. (A)	51	20,356
Youngone Corp. (A)	2,509	88,558
Youngone Holdings Company, Ltd.	920	55,654
Yuanta Securities Korea Company, Ltd. (A)	11,703	23,109
Zinus, Inc. (A)	797	10,052
		27,694,718
Taiwan - 17.6%		
Abico Avy Company, Ltd.	24,990	19,605
Ability Enterprise Company, Ltd.	31,000	26,637
Acer, Inc.	256,452	448,730
ACES Electronic Company, Ltd.	19,323	20,296
Acter Group Corp., Ltd.	8,000	46,218
Advanced International Multitech Company, Ltd.	13,000	30,809
AGV Products Corp.	11,716	4,594
Altek Corp.	16,000	19,439
AmTRAN Technology Company, Ltd. (A)	49,581	20,978
Apacer Technology, Inc.	11,000	22,156
APCB, Inc.	37,000	25,779
Apex International Company, Ltd.	7,000	11,490
Arcadyan Technology Corp.	8,000	44,363
Ardentec Corp.	45,000	108,284
Argosy Research, Inc.	7,000	39,030

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
ASE Technology Holding Company, Ltd.	256,000	\$ 1,121,853
Asia Cement Corp.	137,805	186,100
Asia Optical Company, Inc.	14,000	31,972
Asia Polymer Corp.	50,607	38,562
Asia Tech Image, Inc.	12,000	26,023
Asustek Computer, Inc.	49,000	779,844
Audix Corp.	21,000	43,223
AUO Corp. (A)	411,200	242,822
AVerMedia Technologies, Inc.	19,000	22,248
Bank of Kaohsiung Company, Ltd. (A)	84,670	33,783
Basso Industry Corp.	8,000	10,762
BenQ Materials Corp.	13,000	14,661
BES Engineering Corp.	163,700	70,880
Bizlink Holding, Inc.	2,000	17,375
Brighton-Best International Taiwan, Inc.	19,000	21,903
Capital Securities Corp.	183,403	97,592
Career Technology MFG. Company, Ltd.	34,200	24,709
Catcher Technology Company, Ltd.	43,000	271,523
Cathay Financial Holding Company, Ltd. (A)	406,775	606,017
Cathay Real Estate Development Company, Ltd.	46,400	27,429
Celxpert Energy Corp.	12,896	12,343
Center Laboratories, Inc.	37,371	53,908
Central Reinsurance Company, Ltd. (A)	40,463	30,364
Chang Hwa Commercial Bank, Ltd.	326,994	190,611
CHC Healthcare Group	8,000	15,911
Chen Full International Company, Ltd.	15,000	18,615
Cheng Loong Corp.	68,320	66,183
Cheng Mei Materials Technology Corp. (A)	39,090	16,988
Cheng Shin Rubber Industry Company, Ltd.	155,000	226,508
Cheng Uei Precision Industry Company, Ltd.	37,629	59,129
Chia Hsin Cement Corp.	15,300	9,492
Chicony Electronics Company, Ltd.	28,000	159,552
China Airlines, Ltd.	264,910	186,525
China Bills Finance Corp.	95,000	46,735
China Chemical & Pharmaceutical Company, Ltd.	34,000	26,957
China Development Financial Holding Corp. (A)	1,167,535	477,139
China General Plastics Corp.	22,000	15,975
China Man-Made Fiber Corp. (A)	139,414	37,094
China Metal Products Company, Ltd.	26,513	36,208
China Motor Corp.	30,250	111,222
China Petrochemical Development Corp. (A)	238,245	75,796
China Steel Corp.	1,010,180	888,349
Chin-Poon Industrial Company, Ltd.	43,571	71,299
Chipbond Technology Corp.	70,000	164,779
ChipMOS Technologies, Inc.	66,938	92,032
Chong Hong Construction Company, Ltd.	19,000	48,461
Chun Yuan Steel Industry Company, Ltd.	50,874	30,961
Chung Hwa Pulp Corp.	41,000	31,414
Chunghwa Chemical Synthesis & Biotech Company, Ltd.	7,000	13,083
Clevo Company	27,000	35,801
CMC Magnetics Corp. (A)	68,121	25,487
Compal Electronics, Inc.	325,000	420,975
Compeq Manufacturing Company, Ltd.	77,000	177,125
Concord Securities Company, Ltd. (A)	26,000	11,762
Continental Holdings Corp.	49,050	45,052
Coremax Corp.	9,823	24,990

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Coretronic Corp.	40,000	\$ 93,040
Co-Tech Development Corp.	3,000	5,908
CTBC Financial Holding Company, Ltd.	1,395,348	1,287,634
CTCI Corp.	20,000	27,458
DA CIN Construction Company, Ltd.	16,000	22,982
Da-Li Development Company, Ltd.	17,850	20,259
Darfon Electronics Corp.	16,000	28,231
Darwin Precisions Corp.	37,000	16,125
Depo Auto Parts Industrial Company, Ltd.	12,000	57,382
Dimerco Express Corp.	7,000	18,874
D-Link Corp.	50,600	32,838
Dyaco International, Inc.	5,795	6,574
Dynapack International Technology Corp.	10,000	29,278
E.Sun Financial Holding Company, Ltd.	51,722	43,453
Eastern Media International Corp. (A)	16,000	11,801
Edom Technology Company, Ltd.	18,400	14,823
Elite Advanced Laser Corp.	7,000	14,191
Elitegroup Computer Systems Company, Ltd.	42,104	43,197
Ennostar, Inc. (A)	42,656	64,251
EnTie Commercial Bank Company, Ltd.	58,000	27,973
Eson Precision Ind Company, Ltd.	7,000	13,941
Eternal Materials Company, Ltd.	57,400	54,380
Eva Airways Corp.	218,725	223,833
Everest Textile Company, Ltd. (A)	64,835	15,708
Evergreen International Storage & Transport Corp.	44,600	46,003
Evergreen Marine Corp. Taiwan, Ltd.	83,662	390,562
Evergreen Steel Corp.	10,000	33,856
Everlight Chemical Industrial Corp.	49,250	31,431
Everlight Electronics Company, Ltd.	46,000	74,870
Excelsior Medical Company, Ltd.	18,271	52,591
Far Eastern Department Stores, Ltd.	77,720	62,644
Far Eastern International Bank	253,756	104,498
Far Eastern New Century Corp.	252,249	256,316
Farglory Land Development Company, Ltd.	28,530	52,783
Feng Hsin Steel Company, Ltd.	16,000	36,012
First Financial Holding Company, Ltd.	634,473	566,135
First Steamship Company, Ltd. (A)	84,809	24,436
Fitipower Integrated Technology, Inc.	5,200	43,541
Fitech Company, Ltd.	9,000	19,539
FLEXium Interconnect, Inc.	27,000	77,632
Formosa Advanced Technologies Company, Ltd.	25,000	31,767
Formosa Chemicals & Fibre Corp.	184,000	373,315
Formosa Laboratories, Inc.	9,543	31,670
Formosa Petrochemical Corp.	4,000	10,512
Formosa Plastics Corp.	188,000	484,940
Formosa Taffeta Company, Ltd.	67,000	54,998
Formosan Rubber Group, Inc.	29,718	23,573
Formosan Union Chemical	48,812	33,232
Foxconn Technology Company, Ltd.	64,626	111,648
Foxsemicon Integrated Technology, Inc.	4,000	27,395
FSP Technology, Inc.	10,000	16,700
Fu Hua Innovation Company, Ltd.	23,970	23,025
Fubon Financial Holding Company, Ltd.	463,895	978,621
Fulgent Sun International Holding Company, Ltd.	11,000	47,798
Fulltech Fiber Glass Corp.	47,275	24,067
Fwusow Industry Company, Ltd.	41,200	25,898
G Shank Enterprise Company, Ltd.	15,535	36,530
Gamania Digital Entertainment Company, Ltd.	9,000	21,688
Gemtek Technology Corp.	32,000	35,926

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
General Interface Solution Holding, Ltd.	29,000	\$ 62,325
Getac Holdings Corp.	14,000	50,526
Giant Manufacturing Company, Ltd.	16,000	95,804
Giantplus Technology Company, Ltd.	31,000	13,566
Global Brands Manufacture, Ltd.	37,541	78,759
Global Lighting Technologies, Inc.	6,000	10,195
Global PMX Company, Ltd.	3,000	12,549
Globe Union Industrial Corp. (A)	27,525	13,848
Gloria Material Technology Corp.	39,684	63,085
Goldsun Building Materials Company, Ltd.	93,540	85,750
Gourmet Master Company, Ltd.	6,000	19,829
Grand Pacific Petrochemical	90,295	44,698
Great China Metal Industry	33,000	26,019
Great Wall Enterprise Company, Ltd.	45,724	87,042
Greatek Electronics, Inc.	12,000	23,908
Hannstar Board Corp.	39,750	71,495
HannStar Display Corp. (A)	176,842	68,150
HannsTouch Holdings Company (A)	64,000	20,105
Hey Song Corp.	40,000	52,775
Highwealth Construction Corp.	64,357	84,056
Hiwin Technologies Corp.	14,000	107,007
Ho Tung Chemical Corp.	88,399	26,291
Holy Stone Enterprise Company, Ltd.	10,500	33,169
Hon Hai Precision Industry Company, Ltd.	815,448	2,774,347
Hong Pu Real Estate Development Company, Ltd.	27,000	26,390
Hong TAI Electric Industrial	20,000	18,419
Horizon Securities Company, Ltd. (A)	19,080	6,921
Hota Industrial Manufacturing Company, Ltd.	21,000	40,809
Hsin Kuang Steel Company, Ltd.	10,000	18,781
Hsing TA Cement Company, Ltd.	38,000	22,589
Hua Nan Financial Holdings Company, Ltd.	504,096	366,847
Huang Hsiang Construction Corp.	18,000	25,244
Hung Ching Development & Construction Company, Ltd.	14,000	12,651
Hung Sheng Construction, Ltd.	42,240	27,860
IBF Financial Holdings Company, Ltd. (A)	268,707	107,236
Ichia Technologies, Inc.	25,000	29,028
IEI Integration Corp.	12,000	32,811
Innolux Corp. (A)	565,337	262,895
Inpaq Technology Company, Ltd.	12,602	34,217
Integrated Service Technology, Inc.	9,000	27,082
International CSRC Investment Holdings Company	81,383	51,693
Intevac Corp.	125,000	214,056
Iron Force Industrial Company, Ltd.	6,000	17,863
ITEQ Corp.	11,000	30,334
Jarlllytec Company, Ltd.	9,000	55,488
Jess-Link Products Company, Ltd.	13,000	35,541
Kaimei Electronic Corp.	10,640	24,399
Kedge Construction Company, Ltd.	6,831	17,779
Kenda Rubber Industrial Company, Ltd.	41,496	41,749
Kerry TJ Logistics Company, Ltd.	16,000	20,016
Kindom Development Company, Ltd.	24,000	30,366
King Yuan Electronics Company, Ltd.	71,796	198,168
King's Town Bank Company, Ltd.	83,000	108,014
King's Town Construction Company, Ltd. (A)	7,300	7,529
Kinko Optical Company, Ltd.	15,758	14,157
Kinpo Electronics, Inc.	108,269	57,233
Kinsus Interconnect Technology Corp.	22,000	71,299
KS Terminals, Inc.	9,000	21,053
Kuo Toong International Company, Ltd.	18,248	27,148

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Kuo Yang Construction Company, Ltd. (A)	12,000	\$ 9,187
Kwong Lung Enterprise Company, Ltd.	7,000	12,972
L&K Engineering Company, Ltd.	12,000	66,290
Largan Precision Company, Ltd.	8,000	747,221
Lealea Enterprise Company, Ltd. (A)	93,728	31,592
Lonon Electronics Corp.	8,000	18,767
Li Peng Enterprise Company, Ltd. (A)	62,000	16,010
Lida Holdings, Ltd.	4,640	4,774
Lien Hwa Industrial Holdings Corp.	42,198	91,625
Lingsen Precision Industries, Ltd.	49,481	36,885
Lite-On Technology Corp.	112,000	425,284
Longchen Paper & Packaging Company, Ltd.	66,189	31,896
Longwell Company	7,000	14,782
Lumax International Corp., Ltd.	3,600	10,457
Lung Yen Life Service Corp. (A)	9,000	11,787
Macauto Industrial Company, Ltd.	8,000	19,718
Macronix International Company, Ltd.	156,000	159,183
Mega Financial Holding Company, Ltd.	364,479	465,076
Mercuries & Associates Holding, Ltd. (A)	56,669	25,284
Mercuries Life Insurance Company, Ltd. (A)	87,212	14,453
Merry Electronics Company, Ltd.	4,000	14,252
Mitac Holdings Corp.	58,316	84,476
MOSA Industrial Corp.	9,738	7,528
MPI Corp.	7,000	49,484
Namchow Holdings Company, Ltd.	9,000	14,899
Nan Pao Resins Chemical Company, Ltd.	3,000	27,446
Nan Ya Plastics Corp.	302,000	653,967
Nantex Industry Company, Ltd.	28,000	34,285
Nanya Technology Corp.	95,000	241,097
Nishoku Technology, Inc.	7,800	26,414
O-Bank Company, Ltd.	52,538	17,070
Orient Semiconductor Electronics, Ltd.	26,000	46,048
Oriental Union Chemical Corp.	28,000	18,368
O-TA Precision Industry Company, Ltd.	4,000	11,749
Pacific Construction Company	38,289	12,721
Paiho Shih Holdings Corp.	11,550	7,450
Pan-International Industrial Corp.	44,481	51,298
PChome Online, Inc. (A)	6,612	9,513
PCL Technologies, Inc.	5,000	12,570
Pegatron Corp.	162,660	462,189
Phison Electronics Corp.	8,000	135,223
Pou Chen Corp.	164,348	165,379
Powerchip Semiconductor Manufacturing Corp.	240,000	229,949
Powertech Technology, Inc.	39,000	179,031
President Securities Corp.	99,549	63,684
Primax Electronics, Ltd.	26,000	57,275
Prince Housing & Development Corp.	142,555	51,552
Prodisc Technology, Inc. (A)(C)	762,000	0
Promate Electronic Company, Ltd.	8,000	15,136
Prosperity Dielectrics Company, Ltd.	6,000	9,516
Qisda Corp.	126,280	197,123
Quang Viet Enterprise Company, Ltd.	4,000	14,653
Quanta Storage, Inc.	23,000	61,257
Radiant Opto-Electronics Corp.	34,000	147,229
Radium Life Tech Company, Ltd. (A)	102,621	32,773
Rechi Precision Company, Ltd.	20,000	13,902
Rich Development Company, Ltd. (A)	51,000	16,156
Ritek Corp. (A)	57,799	15,430
Roo Hsing Company, Ltd. (A)	67,000	7,860
Ruentex Development Company, Ltd. (A)	85,500	104,991
Ruentex Industries, Ltd. (A)	39,424	82,509
Sampo Corp.	43,470	41,208

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
San Far Property, Ltd.	28,964	\$ 19,246
Sanyang Motor Company, Ltd.	37,000	85,894
Savior Lifetec Corp.	33,000	24,127
Sercomm Corp.	16,000	69,965
Sesoda Corp.	13,064	13,934
Shan-Loong Transportation Company, Ltd.	23,000	22,485
Sheng Yu Steel Company, Ltd.	22,000	20,945
ShenMao Technology, Inc.	8,000	18,623
Shih Wei Navigation Company, Ltd.	26,332	17,591
Shihlin Electric & Engineering Corp.	21,000	80,972
Shin Kong Financial Holding Company, Ltd. (A)	870,344	250,785
Shin Zu Shing Company, Ltd.	8,000	32,163
Shining Building Business Company, Ltd. (A)	55,118	19,193
Shinkong Insurance Company, Ltd.	27,000	59,882
Shinkong Synthetic Fibers Corp.	132,239	66,977
Shuttle, Inc. (A)	25,000	14,766
Sigurd Microelectronics Corp.	47,773	101,331
Simplo Technology Company, Ltd.	8,000	109,326
Sincere Navigation Corp.	24,000	19,773
Sinher Technology, Inc.	8,000	9,252
Sinon Corp.	25,650	32,111
SinoPac Financial Holdings Company, Ltd.	760,461	487,817
Sinyi Realty, Inc.	13,000	12,680
Sirtec International Company, Ltd.	23,800	23,295
Siward Crystal Technology Company, Ltd.	20,000	21,509
Soft-World International Corp.	4,000	19,591
Solar Applied Materials Technology Corp.	11,000	13,904
Sports Gear Company, Ltd.	8,000	17,437
St. Shine Optical Company, Ltd.	4,000	24,744
Sunrex Technology Corp.	11,678	22,573
Swancor Holding Company, Ltd.	4,000	12,798
Symtek Automation Asia Company, Ltd.	3,000	10,206
Syncnold Enterprise Corp.	6,000	15,614
Synnex Technology International Corp.	87,000	198,885
T3EX Global Holdings Corp.	3,000	8,465
TA Chen Stainless Pipe TA-I Technology Company, Ltd.	120,579	155,437
Taichung Commercial Bank Company, Ltd.	8,000	12,464
TaiDoc Technology Corp.	220,885	114,390
TaiFlex Scientific Company, Ltd.	4,000	21,497
Tainan Spinning Company, Ltd.	24,100	38,502
Taishin Financial Holding Company, Ltd.	95,638	49,220
Taita Chemical Company, Ltd.	825,464	486,430
TAI-TECH Advanced Electronics Company, Ltd.	27,818	14,903
Taiwan Business Bank	5,000	18,558
Taiwan Cement Corp.	482,470	215,156
Taiwan Chinsan Electronic Industrial Company, Ltd.	363,325	412,404
Taiwan Cooperative Financial Holding Company, Ltd.	14,852	18,951
Taiwan Fertilizer Company, Ltd.	485,422	422,183
Taiwan Fire & Marine Insurance Company, Ltd.	52,000	114,426
Taiwan FU Hsing Industrial Company, Ltd.	41,000	35,519
Taiwan Glass Industry Corp. (A)	21,000	32,734
Taiwan Hon Chuan Enterprise Company, Ltd.	80,319	49,548
Taiwan Hopax Chemicals Manufacturing Company, Ltd.	29,000	118,003
Taiwan Kolin Company, Ltd. (A)(C)	10,000	12,727
Taiwan Navigation Company, Ltd.	327,000	0
Taiwan Paiho, Ltd.	19,000	20,399
	14,000	26,262

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Taiwan PCB Techvest Company, Ltd.	36,000	\$ 50,770
Taiwan Shin Kong Security Company, Ltd.	8,000	10,518
Taiwan Styrene Monomer Technology Corp.	38,000	19,364
Taiwan Surface Mounting Technology Corp.	26,225	81,893
Taiwan Union Technology Corp.	14,000	57,300
Taiyen Biotech Company, Ltd.	26,137	29,116
Tatung Company, Ltd. (A)	94,000	128,445
TBI Motion Technology Company, Ltd.	12,000	12,618
TCI Company, Ltd.	3,000	16,696
Teco Electric & Machinery Company, Ltd.	109,000	165,959
Test Research, Inc.	13,000	26,544
The Ambassador Hotel The Shanghai Commercial & Savings Bank, Ltd.	29,000	46,693
Thinking Electronic Industrial Company, Ltd.	205,823	313,661
Thye Ming Industrial Company, Ltd.	4,000	21,869
Ton Yi Industrial Corp.	24,800	56,886
Tong Hsing Electronic Industries, Ltd.	97,000	51,009
Tong Yang Industry Company, Ltd.	13,260	67,946
Tong-Tai Machine & Tool Company, Ltd.	40,627	100,567
TOPBI International Holdings, Ltd. (A)	26,588	16,152
Topkey Corp.	8,077	3,233
Topoint Technology Company, Ltd.	6,000	34,962
TPK Holding Company, Ltd.	29,190	26,607
Transcend Information, Inc.	41,000	48,318
Tripod Technology Corp.	9,000	23,616
Tsann Kuen Enterprise Company, Ltd.	20,000	126,819
TSRC Corp.	4,911	6,244
Tung Ho Steel Enterprise Corp.	50,000	39,240
TURVO International Company, Ltd.	61,640	141,851
TXC Corp.	4,000	18,089
TYC Brother Industrial Company, Ltd.	23,000	73,838
Tycoons Group Enterprise (A)	15,511	20,415
Tyntek Corp. (A)	26,706	11,085
U-Ming Marine Transport Corp.	36,000	21,788
Union Bank of Taiwan	38,000	64,429
Unitech Printed Circuit Board Corp.	154,915	72,670
United Microelectronics Corp.	78,985	51,383
United Renewable Energy Company, Ltd.	831,794	1,417,234
Universal Cement Corp.	30,000	14,356
UPC Technology Corp.	28,307	27,364
USI Corp.	89,751	44,394
Wafer Works Corp.	80,996	52,080
Wah Lee Industrial Corp.	41,000	57,760
Walsin Lihwa Corp.	20,520	65,886
Walsin Technology Corp.	177,589	223,201
Walton Advanced Engineering, Inc.	25,000	99,965
Wan Hai Lines, Ltd.	39,584	19,643
Wei Chuan Foods Corp.	58,800	105,195
Weikeng Industrial Company, Ltd.	33,000	20,472
Well Shin Technology Company, Ltd.	25,000	23,533
Win Semiconductors Corp.	15,000	25,256
Winbond Electronics Corp.	19,000	98,171
Wintek Corp. (A)(C)	329,528	326,158
Wisdom Marine Lines Company, Ltd.	543,000	0
Wistron Corp.	36,343	61,464
Wistron NeWeb Corp.	142,291	455,203
WPG Holdings, Ltd.	12,858	65,236
WT Microelectronics Company, Ltd.	149,400	396,915
Xxentria Technology Materials Corp.	45,174	165,438
Yageo Corp.	8,800	20,691
Yang Ming Marine Transport Corp.	20,946	406,718
YC INOX Company, Ltd.	152,000	253,704
	40,104	35,732

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Yea Shin International Development Company, Ltd.	26,458	\$ 30,466
Yem Chio Company, Ltd.	42,717	24,628
Yeong Guan Energy Technology Group Company, Ltd. (A)	13,553	23,836
YFY, Inc.	117,202	124,385
Yieh Phui Enterprise Company, Ltd.	72,343	42,035
Youngtek Electronics Corp.	17,000	34,599
Yuanta Financial Holding Company, Ltd.	733,159	658,676
Yulon Motor Company, Ltd.	59,632	145,089
YungShin Global Holding Corp.	8,000	12,116
Zeng Hsing Industrial Company, Ltd.	4,297	14,911
Zenitron Corp.	28,000	31,186
Zhen Ding Technology Holding, Ltd.	48,000	170,166
Zig Sheng Industrial Company, Ltd. (A)	38,908	13,876
Zykel Group Corp.	30,540	50,455
		38,945,024
Thailand - 1.9%		
AAPICO Hitech PCL	35,352	28,989
AP Thailand PCL	223,670	73,988
Bangchak Corp. PCL	91,600	116,475
Bangkok Bank PCL	48,200	220,803
Bangkok Bank PCL, NVDR	14,500	66,424
Bangkok Commercial Asset Management PCL	46,300	11,036
Bangkok Insurance PCL	3,050	27,249
Bangkok Land PCL (A)	1,059,200	22,026
Bangkok Life Assurance PCL, NVDR	18,200	10,664
Bangkok Ranch PCL (A)	92,300	7,081
Banpu PCL	535,067	106,360
Berli Jucker PCL	86,900	63,570
Cal-Comp Electronics Thailand PCL	145,292	8,851
Charoen Pokphand Foods PCL	377,100	216,104
GFPT PCL	43,900	14,785
Indorama Ventures PCL	130,000	103,646
IRPC PCL	943,100	55,690
Italian-Thai Development PCL (A)	477,400	12,011
Kasikornbank PCL, NVDR	28,200	111,403
Khon Kaen Sugar Industry PCL	192,600	14,893
Kiatnakin Phatra Bank PCL	19,400	28,533
Krung Thai Bank PCL	207,700	111,839
LPN Development PCL	52,900	6,165
Millcon Steel PCL (A)	167,887	1,867
Polyplex Thailand PCL	14,000	4,140
Precious Shipping PCL	66,500	16,825
Pruksa Holding PCL	78,800	27,916
PTT Exploration & Production PCL	90,800	395,524
PTT Global Chemical PCL	115,500	129,986
PTT PCL	861,000	900,112
Quality Houses PCL	377,100	24,741
Regional Container Lines PCL	30,000	21,254
Rojana Industrial Park PCL	113,100	19,358
Saha-Union PCL	16,100	15,203
Sansiri PCL	1,026,866	53,189
SC Asset Corp. PCL	238,196	22,861
SCB X PCL	42,400	131,543
Siam City Cement PCL	4,900	19,453
Sino-Thai Engineering & Construction PCL	94,900	23,323
Somboon Advance Technology PCL	51,300	27,196
SPCG PCL	58,900	21,397
Sri Trang Agro-Industry PCL	84,800	39,963
Srithai Superware PCL	283,000	9,444
Star Petroleum Refining PCL	100,000	24,068
STP & I PCL (A)	21,600	2,037

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thailand (continued)		
Supalai PCL	123,100	\$ 67,026
Super Energy Corp. PCL (A)	743,000	8,916
Syntec Construction PCL	156,500	7,283
Thai Oil PCL	92,873	145,569
Thai Stanley Electric PCL	700	3,808
Thai Union Group PCL	225,600	99,001
Thanachart Capital PCL	27,300	39,573
The Lanna Resources PCL	44,200	19,806
The Siam Cement PCL	36,600	327,757
Thoresen Thai Agencies PCL	75,500	14,143
TMBThanachart Bank PCL	1,347,695	65,872
TPI Polene PCL	559,900	22,958
TPI Polene Power PCL	283,200	28,204
True Corp. PCL	406,502	60,049
		4,279,950
Turkey - 1.0%		
Akbank TAS	273,631	338,415
Aksa Enerji Uretim AS	17,327	17,500
Albaraka Turk Katilim Bankasi AS (A)	184,260	23,854
Anadolu Efes Biracilik Ve Malt Sanayii AS	14,921	69,618
Bera Holding AS	48,358	18,825
Dogan Sirketler Grubu Holding AS	104,285	39,093
Eczacibasi Yatirim Holding Ortakligi AS	1	4
EIS Eczacibasi Ilac ve Sinai ve Finansal Yatirimlar Sanayi ve Ticaret AS	12,278	18,318
Enka Insaat ve Sanayi AS	76,018	87,653
Eregli Demir ve Celik Fabrikalari TAS (A)	76,335	106,115
Goldas Kuyumculuk Sanayi Ithalat Ve Bagli Ortakliklari (A)(C)	54,846	176
Gozde Girisim Sermayesi Yatirim Ortakligi AS (A)	28,775	20,340
GSD Holding AS	173,611	21,060
KOC Holding AS	65,109	312,624
Sekerbank Turk AS	78,958	11,481
TAV Havalimanlari Holding AS (A)	11,684	42,593
Tekfen Holding AS	15,803	19,751
Turk Hava Yollari AO (A)	48,082	372,524
Turkiye Garanti Bankasi AS	43,442	85,822
Turkiye Is Bankasi AS, Class C	209,300	165,376
Turkiye Sinai Kalkinma Bankasi AS (A)	141,027	31,252
Turkiye Sise ve Cam Fabrikalari AS	68,317	106,034
Turkiye Vakiflar Bankasi TAO, Class D (A)	50,235	21,831
Uzel Makina Sanayii AS (A)(C)	22,930	0
Vestel Elektronik Sanayi ve Ticaret AS (A)	6,172	9,666
Yapi ve Kredi Bankasi AS	294,890	194,915
		2,134,840
United Arab Emirates - 1.4%		
Abu Dhabi Commercial Bank PJSC	236,700	591,861
Agthia Group PJSC	24,213	32,125
Aldar Properties PJSC	188,124	273,860
Amanat Holdings PJSC	77,820	25,428
Amlak Finance PJSC (A)	70,121	15,368
Dana Gas PJSC	410,711	88,595
Deyaar Development PJSC (A)	121,075	22,691
Dubai Investments PJSC	195,034	123,951
Dubai Islamic Bank PJSC	125,205	195,037
Emaar Development PJSC	70,301	136,925
Emaar Properties PJSC	414,904	894,749
Emirates NBD Bank PJSC	124,752	587,470
EMSTEEL Building Materials PJSC (A)	47,949	18,268
Eshraq Investments PJSC (A)	138,023	16,445
Islamic Arab Insurance Company (A)	45,511	6,843
RAK Properties PJSC (A)	77,735	24,722
Ras Al Khaimah Ceramics	24,868	18,070

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Arab Emirates (continued)		
SHUAA Capital PSC (A)	76,875	\$ 4,344
		3,076,752
United Kingdom - 0.1%		
AngloGold Ashanti PLC (D)	11,461	214,206
United States - 0.0%		
Nexteer Automotive Group, Ltd.	95,000	60,024
TOTAL COMMON STOCKS (Cost \$218,153,652)		\$ 213,770,903
PREFERRED SECURITIES - 2.5%		
Brazil - 2.4%		
Banco ABC Brasil SA	10,353	53,303
Banco Bradesco SA	249,976	871,714
Banco do Estado do Rio Grande do Sul SA, B Shares	22,600	62,122
Banco Pan SA	27,545	48,980
Eucatex SA Industria e Comercio	4,200	13,726
Gerdau SA	86,494	418,544
Marcopolo SA	34,200	49,719
Petroleo Brasileiro SA	486,306	3,710,423
Randon SA Implementos e Participacoes	21,672	57,146
Usinas Siderurgicas de Minas Gerais SA, A Shares	31,168	59,453
		5,345,130
Colombia - 0.1%		
Bancolumbia SA	2,754	21,210
Grupo Argos SA	23,975	52,327
Grupo de Inversiones Suramericana SA	9,424	32,821
		106,358
India - 0.0%		
TVS Holdings Pvt, Ltd. (A)(C)	51	12
TVS Holdings, Ltd. (A)	51,504	6,590
		6,602
Philippines - 0.0%		
Cebu Air, Inc., 6.000%	15,189	8,904
TOTAL PREFERRED SECURITIES (Cost \$4,556,795)		\$ 5,466,994
RIGHTS - 0.0%		
Career Technology MFG. Company Ltd. (Expiration Date: 1-30-24; Strike Price: TWD 18.00) (A)	1,974	270
Mega Financial Holding Company, Ltd. (Expiration Date: 1-22-24; Strike Price: TWD 33.00) (A)	7,591	1,534

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P 500 E-Mini Index Futures	9	Long	Mar 2024	\$2,104,451	\$2,169,000	\$64,549
						\$64,549

[^] 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.

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
RIGHTS (continued)		
Paiho Shih Holdings Corp. (Expiration Date: 1-17-24; Strike Price: TWD 18.00) (A)	1,926	\$ 113
WT Microelectronics Company, Ltd. (Expiration Date: 1-3-24; Strike Price: TWD 95.00) (A)	4,472	2,550
TOTAL RIGHTS (Cost \$0)		\$ 4,467
WARRANTS - 0.0%		
Millcon Steel PCL (Expiration Date: 12-13-24; Strike Price: THB 0.40) (A)	41,971	61
TOTAL WARRANTS (Cost \$0)		\$ 61
SHORT-TERM INVESTMENTS - 0.5%		
Short-term funds - 0.5%		
John Hancock Collateral Trust, 5.3645% (E)(F)	113,933	1,139,355
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,139,418)		\$ 1,139,355
Total Investments (Emerging Markets Value Trust) (Cost \$223,849,865) - 99.7%		\$ 220,381,780
Other assets and liabilities, net - 0.3%		747,969
TOTAL NET ASSETS - 100.0%		\$ 221,129,749

Currency Abbreviations

THB Thai Bhat

TWD New Taiwan Dollar

Security Abbreviations and Legend

ADR American Depositary Receipt

BDR Brazilian 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 12-31-23.

(E) The rate shown is the annualized seven-day yield as of 12-31-23.

(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.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Equity Income Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.7%		
Communication services – 4.7%		
Diversified telecommunication services – 0.8%		
AT&T, Inc.	120,337	\$ 2,019,255
Verizon Communications, Inc.	243,249	9,170,487
		11,189,742
Entertainment – 1.1%		
The Walt Disney Company	172,242	15,551,730
Interactive media and services – 0.2%		
Meta Platforms, Inc., Class A (A)	6,170	2,183,933
Media – 2.6%		
Comcast Corp., Class A	102,818	4,508,569
News Corp., Class A	1,159,660	28,469,653
News Corp., Class B	109,782	2,823,593
		35,801,815
		64,727,220
Consumer discretionary – 2.7%		
Broadline retail – 0.5%		
Kohl's Corp.	238,056	6,827,446
Hotels, restaurants and leisure – 1.0%		
Las Vegas Sands Corp.	286,132	14,080,556
Leisure products – 0.5%		
Mattel, Inc. (A)	372,417	7,031,233
Specialty retail – 0.7%		
Best Buy Company, Inc.	61,578	4,820,326
The TJX Companies, Inc.	46,792	4,389,558
		9,209,884
		37,149,119
Consumer staples – 8.1%		
Beverages – 0.3%		
Constellation Brands, Inc., Class A	15,569	3,763,806
Consumer staples distribution and retail – 1.3%		
Dollar General Corp.	25,300	3,439,535
Walmart, Inc.	93,328	14,713,159
		18,152,694
Food products – 2.2%		
Conagra Brands, Inc.	581,412	16,663,268
Mondelez International, Inc., Class A	26,265	1,902,374
Tyson Foods, Inc., Class A	221,206	11,889,823
		30,455,465
Household products – 1.6%		
Colgate-Palmolive Company	112,800	8,991,288
Kimberly-Clark Corp.	115,813	14,072,438
		23,063,726
Personal care products – 1.0%		
Kenvue, Inc.	620,371	13,356,588
Tobacco – 1.7%		
Philip Morris International, Inc.	247,297	23,265,702
		112,057,981
Energy – 8.6%		
Oil, gas and consumable fuels – 8.6%		
Chevron Corp.	18,027	2,688,907
ConocoPhillips	28,900	3,354,423
Enbridge, Inc.	227,606	8,198,368
EOG Resources, Inc.	92,931	11,240,004
EQT Corp.	147,400	5,698,484
Exxon Mobil Corp.	188,220	18,818,236
Hess Corp.	81,181	11,703,053
Suncor Energy, Inc.	201,100	6,443,244
TC Energy Corp.	149,770	5,854,509
The Williams Companies, Inc.	132,800	4,625,424

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
TotalEnergies SE	502,038	\$ 34,138,070
TotalEnergies SE, ADR	98,578	6,642,186
		119,404,908
Financials – 22.9%		
Banks – 8.9%		
Bank of America Corp.	202,356	6,813,327
Citigroup, Inc.	152,384	7,838,633
Fifth Third Bancorp	536,340	18,498,367
Huntington Bancshares, Inc.	1,102,840	14,028,125
JPMorgan Chase & Co.	94,025	15,993,653
U.S. Bancorp	430,578	18,635,416
Wells Fargo & Company	841,063	41,397,122
		123,204,643
Capital markets – 2.6%		
Morgan Stanley	64,445	6,009,496
The Bank of New York Mellon Corp.	45,500	2,368,275
The Carlyle Group, Inc.	28,560	1,162,106
The Charles Schwab Corp.	325,515	22,395,432
The Goldman Sachs Group, Inc.	12,271	4,733,784
		36,669,093
Financial services – 3.1%		
Apollo Global Management, Inc.	39,600	3,690,324
Equitable Holdings, Inc.	697,310	23,220,423
Fiserv, Inc. (A)	117,144	15,561,409
		42,472,156
Insurance – 8.3%		
American International Group, Inc.	519,300	35,182,575
Chubb, Ltd.	135,385	30,597,010
Loews Corp.	206,546	14,373,536
MetLife, Inc.	316,336	20,919,300
The Hartford Financial Services Group, Inc.	182,166	14,642,503
		115,714,924
		318,060,816
Health care – 15.7%		
Biotechnology – 1.0%		
AbbVie, Inc.	60,709	9,408,074
Biogen, Inc. (A)	19,294	4,992,708
		14,400,782
Health care equipment and supplies – 4.5%		
Becton, Dickinson and Company	102,386	24,964,778
GE HealthCare Technologies, Inc.	90,250	6,978,130
Medtronic PLC	143,088	11,787,589
Zimmer Biomet Holdings, Inc.	154,839	18,843,906
		62,574,403
Health care providers and services – 5.1%		
Cardinal Health, Inc.	20,971	2,113,877
Centene Corp. (A)	37,252	2,764,471
CVS Health Corp.	209,993	16,581,047
Elevance Health, Inc.	68,394	32,251,875
Humana, Inc.	3,100	1,419,211
The Cigna Group	50,443	15,105,156
		70,235,637
Pharmaceuticals – 5.1%		
AstraZeneca PLC, ADR	133,127	8,966,103
Johnson & Johnson	99,750	15,634,815
Merck & Company, Inc.	113,353	12,357,744
Pfizer, Inc.	488,432	14,061,957
Sanofi SA	84,164	8,363,610
Sanofi SA, ADR	22,628	1,125,290

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Viatriis, Inc.	911,968	\$ 9,876,613
		70,386,132
		217,596,954
Industrials – 12.8%		
Aerospace and defense – 3.5%		
L3Harris Technologies, Inc.	119,721	25,215,637
The Boeing Company (A)	92,034	23,989,582
		49,205,219
Air freight and logistics – 1.0%		
United Parcel Service, Inc., Class B	86,534	13,605,741
Commercial services and supplies – 0.5%		
Stericycle, Inc. (A)	135,349	6,707,896
Ground transportation – 1.2%		
Norfolk Southern Corp.	43,900	10,377,082
Union Pacific Corp.	28,300	6,951,046
		17,328,128
Industrial conglomerates – 4.0%		
3M Company	27,500	3,006,300
General Electric Company	255,120	32,560,966
Honeywell International, Inc.	8,700	1,824,477
Siemens AG, ADR	187,337	17,523,503
		54,915,246
Machinery – 1.7%		
Cummins, Inc.	18,195	4,358,976
Flowserve Corp.	34,687	1,429,798
Stanley Black & Decker, Inc.	179,465	17,605,517
		23,394,291
Passenger airlines – 0.9%		
Southwest Airlines Company	419,833	12,124,777
		177,281,298
Information technology – 8.9%		
Communications equipment – 0.2%		
Cisco Systems, Inc.	50,069	2,529,486
Electronic equipment, instruments and components – 0.5%		
TE Connectivity, Ltd.	51,753	7,271,297
IT services – 0.5%		
Accenture PLC, Class A	22,100	7,755,111
Semiconductors and semiconductor equipment – 5.1%		
Advanced Micro Devices, Inc. (A)	6,100	899,201
Applied Materials, Inc.	99,332	16,098,737
Intel Corp.	30,000	1,507,500
Qualcomm, Inc.	277,816	40,180,528
Texas Instruments, Inc.	71,155	12,129,081
		70,815,047
Software – 1.7%		
Microsoft Corp.	61,966	23,301,695
Technology hardware, storage and peripherals – 0.9%		
Samsung Electronics Company, Ltd.	198,119	12,025,188
		123,697,824
Materials – 3.1%		
Chemicals – 2.0%		
CF Industries Holdings, Inc.	315,668	25,095,606
International Flavors & Fragrances, Inc.	39,028	3,160,097
		28,255,703
Containers and packaging – 1.1%		
International Paper Company	428,573	15,492,914
		43,748,617

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate – 4.1%		
Health care REITs – 0.2%		
Welltower, Inc.	26,273	\$ 2,369,036
Office REITs – 0.0%		
Vornado Realty Trust	19,204	542,513
Residential REITs – 1.4%		
Equity Residential	313,032	19,145,037
Specialized REITs – 2.5%		
Rayonier, Inc.	353,961	11,825,837
Weyerhaeuser Company	681,172	23,684,350
		35,510,187
		57,566,773
Utilities – 6.1%		
Electric utilities – 3.5%		
NextEra Energy, Inc.	163,537	9,933,237
PG&E Corp.	114,800	2,069,844
The Southern Company	516,707	36,231,495
		48,234,576
Multi-utilities – 2.6%		
Ameren Corp.	77,813	5,628,992
Dominion Energy, Inc.	386,209	18,151,823
NiSource, Inc.	88,131	2,339,878
Sempra	144,538	10,801,325
		36,922,018
		85,156,594
TOTAL COMMON STOCKS (Cost \$1,066,179,476)		\$ 1,356,448,104
PREFERRED SECURITIES – 1.4%		
Consumer discretionary – 1.2%		
Automobiles – 1.2%		
Dr. Ing. h.c. F. Porsche AG (B)	94,071	8,285,501
Volkswagen AG, ADR	712,939	8,747,762
		17,033,263
Utilities – 0.2%		
Electric utilities – 0.2%		
NextEra Energy, Inc., 6.926% (C)	56,812	2,165,673
TOTAL PREFERRED SECURITIES (Cost \$20,820,977)		\$ 19,198,936
SHORT-TERM INVESTMENTS – 1.0%		
Short-term funds – 1.0%		
John Hancock Collateral Trust, 5.3645% (D)(E)	221,003	2,210,073
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (D)	3,206,670	3,206,670
T. Rowe Price Government Reserve Fund, 5.3873% (D)	7,973,444	7,973,444
TOTAL SHORT-TERM INVESTMENTS (Cost \$13,390,114)		\$ 13,390,187
Total Investments (Equity Income Trust) (Cost \$1,100,390,567) – 100.1%		\$ 1,389,037,227
Other assets and liabilities, net – (0.1%)		(1,174,071)
TOTAL NET ASSETS – 100.0%		\$ 1,387,863,156

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)	All or a portion of this security is on loan as of 12-31-23.
(D)	The rate shown is the annualized seven-day yield as of 12-31-23.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Equity Income Trust (continued)

(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 – 97.0%		
Financials – 93.3%		
Banks – 46.6%		
American Business Bank (A)	26,699	\$ 960,630
Atlantic Union Bankshares Corp.	35,361	1,292,091
Bank of America Corp.	87,344	2,940,872
Bank of Marin Bancorp	27,693	609,800
BNP Paribas SA	6,741	468,133
California BanCorp (A)	24,076	596,122
Citigroup, Inc.	75,574	3,887,527
Coastal Financial Corp. (A)	23,122	1,026,848
Danske Bank A/S	96,728	2,585,665
East West Bancorp, Inc.	48,339	3,477,991
Eastern Bankshares, Inc.	97,416	1,383,307
Enterprise Bancorp, Inc.	13,298	428,993
Evans Bancorp, Inc.	16,400	517,092
Fifth Third Bancorp	85,782	2,958,621
First Horizon Corp.	76,150	1,078,284
First Merchants Corp.	34,683	1,286,046
German American Bancorp, Inc.	15,133	490,461
Independent Bank Corp. (Massachusetts)	20,061	1,320,214
ING Groep NV	178,458	2,675,895
JPMorgan Chase & Co.	15,747	2,678,565
M&T Bank Corp.	26,099	3,577,650
New York Community Bancorp, Inc.	74,011	757,133
Popular, Inc.	23,838	1,956,385
Sumitomo Mitsui Financial Group, Inc.	49,800	2,423,258
Sumitomo Mitsui Trust Holdings, Inc.	89,400	1,712,178
TriCo Bancshares	30,352	1,304,225
U.S. Bancorp	68,964	2,984,762
Wells Fargo & Company	69,820	3,436,540
Western Alliance Bancorp	59,016	3,882,663
		54,697,951
Capital markets – 21.2%		
Ameriprise Financial, Inc.	8,917	3,386,944
Ares Management Corp., Class A	23,068	2,743,247
Intercontinental Exchange, Inc.	18,657	2,396,119
KKR & Company, Inc.	43,944	3,640,760
Morgan Stanley	26,489	2,470,099
Onex Corp.	20,283	1,416,389
S&P Global, Inc.	6,091	2,683,207
The Carlyle Group, Inc.	33,982	1,382,728
The Charles Schwab Corp.	40,435	2,781,928
Tradeweb Markets, Inc., Class A	22,488	2,043,709
		24,945,130
Consumer finance – 1.3%		
American Express Company	8,288	1,552,674
Financial services – 4.4%		
FleetCor Technologies, Inc. (A)	4,521	1,277,680
Visa, Inc., Class A	14,723	3,833,133
		5,110,813
Insurance – 19.8%		
Arch Capital Group, Ltd. (A)	15,724	1,167,821
Arthur J. Gallagher & Company	8,718	1,960,504
Chubb, Ltd.	3,716	839,816
Cincinnati Financial Corp.	19,509	2,018,401
Everest Group, Ltd.	2,795	988,256
Hamilton Insurance Group, Ltd., Class B (A)(B)	40,060	598,897

Financial Industries Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Kinsale Capital Group, Inc.	5,135	\$ 1,719,763
Markel Group, Inc. (A)	1,610	2,286,039
Marsh & McLennan Companies, Inc.	13,900	2,633,633
NN Group NV	35,987	1,422,236
Palomar Holdings, Inc. (A)	10,727	595,349
Reinsurance Group of America, Inc.	14,855	2,403,242
Skyward Specialty Insurance Group, Inc. (A)	66,525	2,253,867
Unum Group	52,002	2,351,530
		23,239,354
		109,545,922
Real estate – 3.7%		
Industrial REITs – 2.4%		
Prologis Property Mexico SA de CV	152,200	721,518
Prologis, Inc.	7,840	1,045,072
Rexford Industrial Realty, Inc.	17,859	1,001,890
		2,768,480
Specialized REITs – 1.3%		
Digital Realty Trust, Inc.	11,817	1,590,332
		4,358,812
TOTAL COMMON STOCKS (Cost \$99,435,176)		\$ 113,904,734
CONVERTIBLE BONDS - 0.6%		
Financials - 0.6%		
Redwood Trust, Inc. 7.750%, 06/15/2027	\$ 745,000	683,072
TOTAL CONVERTIBLE BONDS (Cost \$675,271)		\$ 683,072
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 (C)(D)	508,000	518,551
TOTAL CORPORATE BONDS (Cost \$475,070)		\$ 518,551
SHORT-TERM INVESTMENTS – 2.5%		
Short-term funds – 2.5%		
John Hancock Collateral Trust, 5.3645% (E)(F)	297,609	2,976,155
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,976,246)		\$ 2,976,155
Total Investments (Financial Industries Trust) (Cost \$103,561,763) – 100.5%		\$ 118,082,512
Other assets and liabilities, net – (0.5%)		(586,510)
TOTAL NET ASSETS – 100.0%		\$ 117,496,002

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-23.
(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)	The rate shown is the annualized seven-day yield as of 12-31-23.
(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 \$603,944.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Fundamental All Cap Core Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.8%		
Communication services – 10.3%		
Entertainment – 3.7%		
Atlanta Braves Holdings, Inc., Series C (A)	24,484	\$ 969,077
Liberty Media Corp.-Liberty Formula One, Series C (A)	837,435	52,867,272
Liberty Media Corp.-Liberty Live, Series C (A)	35,843	1,340,170
Warner Brothers Discovery, Inc. (A)	2,701,557	30,743,719
		85,920,238
Interactive media and services – 6.6%		
Alphabet, Inc., Class A (A)	924,344	129,121,613
CarGurus, Inc. (A)	897,674	21,687,804
		150,809,417
		236,729,655
Consumer discretionary – 21.1%		
Automobile components – 0.5%		
Mobileye Global, Inc., Class A (A)	261,286	11,318,910
Broadline retail – 7.7%		
Amazon.com, Inc. (A)	1,166,445	177,229,653
Household durables – 5.9%		
Lennar Corp., A Shares	694,113	103,450,602
NVR, Inc. (A)	4,593	32,153,067
		135,603,669
Leisure products – 1.7%		
Polaris, Inc.	409,796	38,836,367
Specialty retail – 3.9%		
Avolta AG (A)	722,488	28,445,104
Group 1 Automotive, Inc.	201,310	61,347,209
		89,792,313
Textiles, apparel and luxury goods – 1.4%		
Canada Goose Holdings, Inc. (A)	1,660,913	19,681,819
Salvatore Ferragamo SpA	900,805	12,166,309
		31,848,128
		484,629,040
Consumer staples – 3.7%		
Beverages – 2.0%		
Anheuser-Busch InBev SA/NV, ADR	714,127	46,146,887
Consumer staples distribution and retail – 1.1%		
Walmart, Inc.	160,645	25,325,684
Food products – 0.6%		
The Hain Celestial Group, Inc. (A)	1,281,580	14,033,301
		85,505,872
Energy – 4.4%		
Oil, gas and consumable fuels – 4.4%		
Cheniere Energy, Inc.	399,691	68,231,251
Suncor Energy, Inc.	1,033,075	33,099,723
		101,330,974
Financials – 16.9%		
Banks – 3.7%		
First Hawaiian, Inc.	3,800,977	86,890,334
Capital markets – 13.2%		
KKR & Company, Inc.	1,108,478	91,837,402
Morgan Stanley	882,321	82,276,433
S&P Global, Inc.	108,210	47,668,669
The Goldman Sachs Group, Inc.	211,147	81,454,178
		303,236,682
		390,127,016

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care – 6.4%		
Biotechnology – 1.4%		
Alynlyam Pharmaceuticals, Inc. (A)	63,234	\$ 12,103,620
Moderna, Inc. (A)	188,780	18,774,171
		30,877,791
Health care equipment and supplies – 2.0%		
Hologic, Inc. (A)	642,676	45,919,200
Health care providers and services – 1.7%		
Elevance Health, Inc.	83,325	39,292,737
Life sciences tools and services – 0.7%		
Thermo Fisher Scientific, Inc.	31,612	16,779,333
Pharmaceuticals – 0.6%		
Elanco Animal Health, Inc. (A)	988,925	14,734,983
		147,604,044
Industrials – 6.1%		
Electrical equipment – 2.2%		
Regal Rexnord Corp.	282,611	41,832,080
Sensata Technologies Holding PLC	226,968	8,527,188
		50,359,268
Machinery – 1.6%		
Parker-Hannifin Corp.	81,823	37,695,856
Trading companies and distributors – 2.3%		
United Rentals, Inc.	93,179	53,430,702
		141,485,826
Information technology – 24.3%		
Semiconductors and semiconductor equipment – 8.7%		
Analog Devices, Inc.	375,451	74,549,551
NVIDIA Corp.	175,271	86,797,705
Texas Instruments, Inc.	223,994	38,182,017
		199,529,273
Software – 11.3%		
Autodesk, Inc. (A)	143,756	35,001,711
Microsoft Corp.	71,611	26,928,600
Oracle Corp.	355,117	37,439,985
Roper Technologies, Inc.	70,448	38,406,136
Salesforce, Inc. (A)	281,086	73,964,970
Workday, Inc., Class A (A)	178,887	49,383,545
		261,124,947
Technology hardware, storage and peripherals – 4.3%		
Apple, Inc.	508,907	97,979,865
		558,634,085
Materials – 1.2%		
Chemicals – 1.2%		
Axalta Coating Systems, Ltd. (A)	826,253	28,067,814
Real estate – 4.4%		
Real estate management and development – 0.3%		
Five Point Holdings LLC, Class A (A)	2,354,677	7,228,858
Specialized REITs – 4.1%		
American Tower Corp.	34,627	7,475,277
Crown Castle, Inc.	748,545	86,224,899
		93,700,176
		100,929,034
TOTAL COMMON STOCKS (Cost \$1,481,443,177)		\$ 2,275,043,360

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 1.2%		
Short-term funds – 1.2%		
John Hancock Collateral Trust, 5.3645% (B)(C)	2,725,795	\$ 27,258,499
TOTAL SHORT-TERM INVESTMENTS (Cost \$27,260,303)		\$ 27,258,499
Total Investments (Fundamental All Cap Core Trust) (Cost \$1,508,703,480) – 100.0%		\$ 2,302,301,859
Other assets and liabilities, net – (0.0%)		(1,150,507)
TOTAL NET ASSETS – 100.0%		\$ 2,301,151,352

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 12-31-23.
(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 – 97.5%		
Communication services – 7.8%		
Interactive media and services – 3.1%		
Alphabet, Inc., Class A (A)	116,350	\$ 16,252,932
Meta Platforms, Inc., Class A (A)	20,540	7,270,338
		23,523,270
Media – 4.7%		
Charter Communications, Inc., Class A (A)	18,020	7,004,014
Comcast Corp., Class A	674,965	29,597,215
		36,601,229
		60,124,499
Consumer discretionary – 7.4%		
Broadline retail – 1.6%		
eBay, Inc.	285,688	12,461,711
Household durables – 3.8%		
Lennar Corp., A Shares	195,906	29,197,830
Specialty retail – 2.0%		
Avolta AG (A)	178,831	7,040,762
CarMax, Inc. (A)	110,897	8,510,236
		15,550,998
		57,210,539
Consumer staples – 7.9%		
Beverages – 3.0%		
Anheuser-Busch InBev SA/NV, ADR	215,540	13,928,195
Heineken Holding NV	112,010	9,484,348
		23,412,543
Consumer staples distribution and retail – 3.4%		
Walmart, Inc.	164,542	25,940,046
Food products – 1.5%		
Danone SA	184,413	11,964,442
		61,317,031
Energy – 6.8%		
Oil, gas and consumable fuels – 6.8%		
Cheniere Energy, Inc.	138,956	23,721,179
Chevron Corp.	66,988	9,991,930
Kinder Morgan, Inc.	199,703	3,522,761
Suncor Energy, Inc.	486,385	15,583,775
		52,819,645

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financials – 20.7%		
Banks – 8.6%		
Bank of America Corp.	514,346	\$ 17,318,030
Citigroup, Inc.	346,030	17,799,783
JPMorgan Chase & Co.	89,343	15,197,244
Wells Fargo & Company	326,109	16,051,085
		66,366,142
Capital markets – 11.6%		
KKR & Company, Inc.	355,791	29,477,284
Morgan Stanley	121,521	11,331,833
Nasdaq, Inc.	336,952	19,590,389
State Street Corp.	245,470	19,014,106
The Goldman Sachs Group, Inc.	27,447	10,588,229
		90,001,841
Consumer finance – 0.5%		
American Express Company	20,890	3,913,533
		160,281,516
Health care – 15.4%		
Biotechnology – 2.0%		
Gilead Sciences, Inc.	107,471	8,706,226
Moderna, Inc. (A)	69,258	6,887,708
		15,593,934
Health care equipment and supplies – 1.6%		
Hologic, Inc. (A)	172,837	12,349,204
Health care providers and services – 4.8%		
Elevance Health, Inc.	78,579	37,054,714
Life sciences tools and services – 1.4%		
Danaher Corp.	46,843	10,836,660
Pharmaceuticals – 5.6%		
Elanco Animal Health, Inc. (A)	939,416	13,997,298
GSK PLC, ADR	386,185	14,312,016
Merck & Company, Inc.	50,127	5,464,846
Novartis AG, ADR	92,943	9,384,455
		43,158,615
		118,993,127
Industrials – 13.6%		
Aerospace and defense – 3.8%		
Airbus SE	55,302	8,543,516
L3Harris Technologies, Inc.	42,061	8,858,888
RTX Corp.	143,230	12,051,372
		29,453,776
Electrical equipment – 0.8%		
Sensata Technologies Holding PLC	162,252	6,095,808
Machinery – 5.5%		
Fortive Corp.	177,176	13,045,469
Parker-Hannifin Corp.	64,049	29,507,374
		42,552,843
Trading companies and distributors – 3.5%		
United Rentals, Inc.	47,176	27,051,662
		105,154,089
Information technology – 12.2%		
Electronic equipment, instruments and components – 1.8%		
Vontier Corp.	393,440	13,593,352
IT services – 1.1%		
Cognizant Technology Solutions Corp., Class A	110,490	8,345,310
Semiconductors and semiconductor equipment – 2.0%		
Analog Devices, Inc.	54,894	10,899,753

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	43,885	\$ 4,564,040
		15,463,793
Software – 6.1%		
Microsoft Corp.	39,179	14,732,871
Oracle Corp.	307,084	32,375,866
		47,108,737
Technology hardware, storage and peripherals – 1.2%		
Samsung Electronics Company, Ltd.	157,290	9,546,998
		94,058,190
Materials – 2.2%		
Chemicals – 2.2%		
Axalta Coating Systems, Ltd. (A)	290,592	9,871,410
LyondellBasell Industries NV, Class A	73,401	6,978,967
		16,850,377
Real estate – 3.5%		
Specialized REITs – 3.5%		
Crown Castle, Inc.	233,059	26,846,066
TOTAL COMMON STOCKS (Cost \$561,788,758)		\$ 753,655,079
ESCROW CERTIFICATES - 0.0%		
Sino-Forest Corp. (A)(B)	\$ 3,244,100	0
TOTAL ESCROW CERTIFICATES (Cost \$3)		\$ 0
SHORT-TERM INVESTMENTS – 2.6%		
Short-term funds – 2.6%		
John Hancock Collateral Trust, 5.3645% (C)(D)	2,039,163	20,392,038
TOTAL SHORT-TERM INVESTMENTS (Cost \$20,393,168)		\$ 20,392,038
Total Investments (Fundamental Large Cap Value Trust) (Cost \$582,181,929) – 100.1%		\$ 774,047,117
Other assets and liabilities, net – (0.1%)		(681,000)
TOTAL NET ASSETS – 100.0%		\$ 773,366,117

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 12-31-23.
(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor.

Global Equity Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 94.9%		
France - 15.2%		
Air Liquide SA	26,625	\$ 5,183,755
Capgemini SE	37,821	7,904,255
Carrefour SA	227,212	4,161,299
Cie de Saint-Gobain SA	117,882	8,693,462
Sanofi SA	76,744	7,626,247
Thales SA	28,531	4,224,656
TotalEnergies SE	108,454	7,374,751
		45,168,425
Ireland - 5.4%		
Accenture PLC, Class A	19,359	6,793,267
CRH PLC	12,505	864,846

Global Equity Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Ireland (continued)		
CRH PLC (London Stock Exchange)	120,728	\$ 8,308,404
		15,966,517
Japan - 10.3%		
FANUC Corp.	221,455	6,499,511
Mitsubishi Estate Company, Ltd.	225,769	3,094,858
Sumitomo Mitsui Financial Group, Inc.	247,900	12,062,775
Sumitomo Mitsui Trust Holdings, Inc.	156,800	3,003,015
Tokyo Electric Power Company Holdings, Inc. (A)	1,105,200	5,783,646
		30,443,805
Netherlands - 5.2%		
ING Groep NV	589,620	8,841,066
Koninklijke Ahold Delhaize NV	119,643	3,442,296
Stellantis NV	140,447	3,290,758
		15,574,120
Spain - 1.3%		
Amadeus IT Group SA	52,400	3,763,442
Switzerland - 1.5%		
Chubb, Ltd.	19,178	4,334,228
United Kingdom - 1.6%		
Amcor PLC	141,316	1,362,286
Amcor PLC, CHESS Depository Interest	79,654	771,756
Reckitt Benckiser Group PLC	37,288	2,572,996
		4,707,038
United States - 54.4%		
Abbott Laboratories	51,297	5,646,261
Alphabet, Inc., Class A (A)	72,148	10,078,354
Analog Devices, Inc.	18,192	3,612,204
Apple, Inc.	45,113	8,685,606
Arthur J. Gallagher & Company	16,881	3,796,199
AutoZone, Inc. (A)	2,585	6,683,802
Bank of America Corp.	108,801	3,663,330
Cisco Systems, Inc.	88,393	4,465,614
ConocoPhillips	77,109	8,950,042
Corteva, Inc.	114,734	5,498,053
CSX Corp.	130,290	4,517,154
Darden Restaurants, Inc.	29,152	4,789,674
Electronic Arts, Inc.	20,925	2,862,749
Elevance Health, Inc.	15,242	7,187,518
Emerson Electric Company	38,198	3,717,811
Intercontinental Exchange, Inc.	37,853	4,861,461
Lowe's Companies, Inc.	29,136	6,484,217
McKesson Corp.	10,102	4,677,024
Microsoft Corp.	41,944	15,772,620
Oracle Corp.	43,479	4,583,991
Otis Worldwide Corp.	40,621	3,634,361
Philip Morris International, Inc.	90,233	8,489,121
T-Mobile US, Inc.	28,952	4,641,874
United Rentals, Inc.	6,119	3,508,757
Vertex Pharmaceuticals, Inc. (A)	9,090	3,698,630
Visa, Inc., Class A	11,376	2,961,742
Walmart, Inc.	26,270	4,141,466
Waste Management, Inc.	25,191	4,511,708
Wells Fargo & Company	103,275	5,083,196
		161,204,539
TOTAL COMMON STOCKS (Cost \$240,656,638)		\$ 281,162,114
PREFERRED SECURITIES - 3.4%		
South Korea - 3.4%		
Samsung Electronics Company, Ltd.	206,597	9,955,188
TOTAL PREFERRED SECURITIES (Cost \$10,270,632)		\$ 9,955,188

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Global Equity Trust (continued)

	Shares or Principal Amount	Value
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 - 1.4%		
Short-term funds - 1.4%		
Federated Government Obligations Fund, Institutional Class, 5.2243% (C)	4,038,695	4,038,695
TOTAL SHORT-TERM INVESTMENTS (Cost \$4,038,695)		\$ 4,038,695
Total Investments (Global Equity Trust) (Cost \$254,965,965) - 99.7%		\$ 295,155,997
Other assets and liabilities, net - 0.3%		1,020,624
TOTAL NET ASSETS - 100.0%		\$ 296,176,621

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 12-31-23.

Health Sciences Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.9%		
Financials – 0.1%		
Insurance – 0.1%		
Oscar Health, Inc., Class A (A)	29,110	\$ 266,357
Health care – 97.8%		
Biotechnology – 30.3%		
AbbVie, Inc.	11,757	1,821,982
ACADIA Pharmaceuticals, Inc. (A)	23,741	743,331
Agiros Pharmaceuticals, Inc. (A)	7,785	173,372
Akero Therapeutics, Inc. (A)	12,773	298,250
Alectro, Inc. (A)	12,104	96,590
Alkermes PLC (A)	9,516	263,974
Allakos, Inc. (A)	23,363	63,781
Allogene Therapeutics, Inc. (A)	38,754	124,400
Alnylam Pharmaceuticals, Inc. (A)	21,428	4,101,533
Alpine Immune Sciences, Inc. (A)	3,700	70,522
ALX Oncology Holdings, Inc. (A)	7,200	107,208
Ambrx Biopharma, Inc. (A)	22,800	324,672
Amgen, Inc.	17,956	5,171,687
AnaptysBio, Inc. (A)	3,100	66,402
Apellis Pharmaceuticals, Inc. (A)	24,874	1,488,958
Apogee Therapeutics, Inc. (A)	12,842	358,805
Arcellx, Inc. (A)	7,340	407,370
Ardelyx, Inc. (A)	35,200	218,240
Argenx SE, ADR (A)	13,069	4,971,840
Ascendis Pharma A/S, ADR (A)	6,127	771,696
Aura Biosciences, Inc. (A)	10,426	92,374
Autolus Therapeutics PLC, ADR (A)	17,737	114,226
Avidity Biosciences, Inc. (A)	34,720	314,216
BeiGene, Ltd., ADR (A)	10,735	1,936,165
Bicycle Therapeutics PLC, ADR (A)	10,444	188,828
Biogen, Inc. (A)	5,921	1,532,177
Biohaven, Ltd. (A)	30,648	1,311,734
BioMarin Pharmaceutical, Inc. (A)	17,537	1,690,918
BioNTech SE, ADR (A)	138	14,565
Blueprint Medicines Corp. (A)	28,013	2,583,919
C4 Therapeutics, Inc. (A)	10,400	58,760
Cabaletta Bio, Inc. (A)	9,787	222,165

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Cargo Therapeutics, Inc. (A)	21,197	\$ 490,711
Celldex Therapeutics, Inc. (A)	7,922	314,187
Centessa Pharmaceuticals PLC, ADR (A)	18,409	146,536
Crinetics Pharmaceuticals, Inc. (A)	15,126	538,183
CRISPR Therapeutics AG (A)	5,342	334,409
Cytokinetics, Inc. (A)	15,439	1,289,002
Day One Biopharmaceuticals, Inc. (A)	12,941	188,939
Denali Therapeutics, Inc. (A)	10,963	235,266
Disc Medicine, Inc. (A)	2,002	115,636
Entrada Therapeutics, Inc. (A)	11,625	175,421
Exact Sciences Corp. (A)	18,141	1,342,071
Exelixis, Inc. (A)	22,935	550,211
Generation Bio Company (A)	37,692	62,192
Genmab A/S (A)	1,987	633,561
Gossamer Bio, Inc. (A)	51,400	46,903
Ideaya Biosciences, Inc. (A)	15,911	566,113
IGM Biosciences, Inc. (A)	12,995	107,988
Immatics NV (A)	18,469	194,479
Immuneering Corp., Class A (A)	29,676	218,119
Immunocore Holdings PLC, ADR (A)	35,810	2,446,539
Immunome, Inc. (A)	15,728	168,290
Immunovant, Inc. (A)	6,978	293,983
Incyte Corp. (A)	9,373	588,531
Insmed, Inc. (A)	40,225	1,246,573
Intellia Therapeutics, Inc. (A)	5,609	171,018
Ionis Pharmaceuticals, Inc. (A)	24,477	1,238,291
Iovance Biotherapeutics, Inc. (A)	38,411	312,281
Karuna Therapeutics, Inc. (A)	8,678	2,746,674
Krystal Biotech, Inc. (A)	4,645	576,259
Kymera Therapeutics, Inc. (A)	20,416	519,791
Legend Biotech Corp., ADR (A)	26,141	1,572,904
Lyell Immunopharma, Inc. (A)	90,868	176,284
Madrigal Pharmaceuticals, Inc. (A)	2,059	476,411
Mirum Pharmaceuticals, Inc. (A)	7,791	229,990
Moderna, Inc. (A)	1,300	129,285
Monte Rosa Therapeutics, Inc. (A)	27,152	153,409
MoonLake Immunotherapeutics (A)	20,387	1,231,171
Morphic Holding, Inc. (A)	11,054	319,240
MorphoSys AG (A)	2,048	77,107
MorphoSys AG, ADR (A)	28,199	279,170
Neurocrine Biosciences, Inc. (A)	9,767	1,286,900
Nuvalent, Inc., Class A (A)	6,738	495,849
ORIC Pharmaceuticals, Inc. (A)	8,200	75,440
Pharming Group NV (A)	188,255	214,710
Prelude Therapeutics, Inc. (A)	17,428	74,418
Prime Medicine, Inc. (A)	12,784	113,266
Protagonist Therapeutics, Inc. (A)	15,253	349,751
Prothena Corp. PLC (A)	16,270	591,252
PTC Therapeutics, Inc. (A)	7,716	212,653
RAPT Therapeutics, Inc. (A)	15,712	390,443
Regeneron Pharmaceuticals, Inc. (A)	5,627	4,942,138
Relay Therapeutics, Inc. (A)	52,581	578,917
Replimune Group, Inc. (A)	29,973	252,672
REVOLUTION Medicines, Inc. (A)	28,781	825,439
Rhythm Pharmaceuticals, Inc. (A)	4,739	217,852
Rocket Pharmaceuticals, Inc. (A)	17,202	515,544
Roivant Sciences, Ltd. (A)	54,793	615,325
Sage Therapeutics, Inc. (A)	9,009	195,225
Sana Biotechnology, Inc. (A)	49,611	202,413
Sarepta Therapeutics, Inc. (A)	9,657	931,225
Scholar Rock Holding Corp. (A)	37,540	705,752
SpringWorks Therapeutics, Inc. (A)	20,969	765,369
Taysha Gene Therapies, Inc. (A)	17,400	30,798
Tenaya Therapeutics, Inc. (A)	24,566	79,594
Ultragenyx Pharmaceutical, Inc. (A)	24,545	1,173,742

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
United Therapeutics Corp. (A)	92	\$ 20,230
Vaxcyte, Inc. (A)	14,879	934,401
Vertex Pharmaceuticals, Inc. (A)	17,825	7,252,814
Voyager Therapeutics, Inc. (A)	13,035	110,015
Xencor, Inc. (A)	16,855	357,832
Zai Lab, Ltd., ADR (A)	27,277	745,480
Zentalis Pharmaceuticals, Inc. (A)	18,049	273,442
		79,738,689
Health care equipment and supplies – 16.1%		
Baxter International, Inc.	8,577	331,587
Becton, Dickinson and Company	14,017	3,417,765
Boston Scientific Corp. (A)	33,282	1,924,032
DexCom, Inc. (A)	15,349	1,904,657
Edwards Lifesciences Corp. (A)	25,624	1,953,830
Enovis Corp. (A)	3,737	209,347
Glaukos Corp. (A)	4,327	343,953
Hologic, Inc. (A)	26,061	1,862,058
Inspire Medical Systems, Inc. (A)	1,471	299,246
Insulet Corp. (A)	5,005	1,085,985
Intuitive Surgical, Inc. (A)	30,032	10,131,596
iRhythm Technologies, Inc. (A)	3,108	332,680
Lantheus Holdings, Inc. (A)	10,181	631,222
Masimo Corp. (A)	5,050	591,911
Novocure, Ltd. (A)	30,098	449,363
Orchestra BioMed Holdings, Inc. (A)	13,354	121,922
Penumbra, Inc. (A)	14,167	3,563,567
PROCEPT BioRobotics Corp. (A)	14,216	595,793
Shockwave Medical, Inc. (A)	8,818	1,680,358
Sonova Holding AG	1,721	562,849
Stryker Corp.	28,599	8,564,257
Teleflex, Inc.	4,242	1,057,700
Zimmer Biomet Holdings, Inc.	7,306	889,140
		42,504,818
Health care providers and services – 19.9%		
agilon health, Inc. (A)	46,356	581,768
Alignment Healthcare, Inc. (A)	25,979	223,679
Cardinal Health, Inc.	5,915	596,232
Cencora, Inc.	3,354	688,845
Centene Corp. (A)	30,142	2,236,838
Elevance Health, Inc.	19,891	9,379,800
GeneDx Holdings Corp. (A)	918	2,525
Guardant Health, Inc. (A)	15,795	427,255
HCA Healthcare, Inc.	8,449	2,286,975
Humana, Inc.	8,950	4,097,400
McKesson Corp.	2,306	1,067,632
Molina Healthcare, Inc. (A)	13,022	4,704,979
Privia Health Group, Inc. (A)	14,295	329,214
Surgery Partners, Inc. (A)	16,697	534,137
Tenet Healthcare Corp. (A)	8,862	669,701
The Cigna Group	11,190	3,350,846
UnitedHealth Group, Inc.	40,423	21,281,489
		52,459,315
Health care technology – 0.7%		
Schrodinger, Inc. (A)	10,487	375,435
Veeva Systems, Inc., Class A (A)	7,146	1,375,748
		1,751,183
Life sciences tools and services – 12.9%		
10X Genomics, Inc., Class A (A)	26,050	1,457,758
Agilent Technologies, Inc.	22,897	3,183,370
Avantor, Inc. (A)	47,269	1,079,151
Bio-Techne Corp.	9,368	722,835
Bruker Corp.	13,754	1,010,644
Charles River Laboratories International, Inc. (A)	2,289	541,120

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
Danaher Corp.	31,648	\$ 7,321,448
Evotec SE (A)	8,949	209,880
ICON PLC (A)	3,501	991,028
Illumina, Inc. (A)	3,070	427,467
IQVIA Holdings, Inc. (A)	3,524	815,383
Pacific Biosciences of California, Inc. (A)	59,731	585,961
Repligen Corp. (A)	5,299	952,760
Thermo Fisher Scientific, Inc.	23,419	12,430,571
West Pharmaceutical Services, Inc.	5,988	2,108,495
		33,837,871
Pharmaceuticals – 17.9%		
Amylyx Pharmaceuticals, Inc. (A)	15,424	227,041
AN2 Therapeutics, Inc. (A)	2,600	53,274
Arvinas, Inc. (A)	17,091	703,466
Astellas Pharma, Inc.	28,200	335,390
AstraZeneca PLC, ADR	77,898	5,246,430
Axsome Therapeutics, Inc. (A)	2,686	213,779
Catalent, Inc. (A)	21,833	980,957
CymaBay Therapeutics, Inc. (A)	18,516	437,348
Daiichi Sankyo Company, Ltd.	20,100	550,272
Eli Lilly & Company	36,336	21,180,981
EyePoint Pharmaceuticals, Inc. (A)	15,686	362,503
Intra-Cellular Therapies, Inc. (A)	8,275	592,656
Jazz Pharmaceuticals PLC (A)	252	30,996
Longboard Pharmaceuticals, Inc. (A)	12,052	72,674
Merck & Company, Inc.	85,402	9,310,526
Novo Nordisk A/S, ADR	28,528	2,951,222
Pharvaris NV (A)	14,671	411,522
Pliant Therapeutics, Inc. (A)	13,685	247,835
Royalty Pharma PLC, Class A	19,696	553,261
Structure Therapeutics, Inc., ADR (A)	14,266	581,482
WaVe Life Sciences, Ltd. (A)	28,947	146,182
Zoetis, Inc.	9,249	1,825,475
		47,015,272
		257,307,148
Materials – 0.0%		
Chemicals – 0.0%		
Ginkgo Bioworks Holdings, Inc. (A)	78,858	133,270
TOTAL COMMON STOCKS (Cost \$204,128,847)		\$ 257,706,775
PREFERRED SECURITIES – 0.5%		
Health care – 0.5%		
Life sciences tools and services – 0.5%		
Sartorius AG	3,221	1,182,818
TOTAL PREFERRED SECURITIES (Cost \$752,990)		\$ 1,182,818
WARRANTS – 0.0%		
GeneDx Holdings Corp. (Expiration Date: 7-22-26; Strike Price: \$11.50) (A)	4,862	58
REVOLUTION Medicines, Inc. (Expiration Date: 11-14-28; Strike Price: \$11.50) (A)	4,502	1,486
SomaLogic, Inc. (Expiration Date: 8-31-26; Strike Price: \$11.50) (A)	2,050	246
TOTAL WARRANTS (Cost \$29,139)		\$ 1,790

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 2.2%		
Short-term funds – 2.2%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (B)	671,748	\$ 671,748
T. Rowe Price Government Reserve Fund, 5.3873% (B)	5,090,968	5,090,968
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,762,716)		\$ 5,762,716
Total Investments (Health Sciences Trust) (Cost \$210,673,692) – 100.6%		\$ 264,654,099
Other assets and liabilities, net – (0.6%)		(1,461,117)
TOTAL NET ASSETS – 100.0%		\$ 263,192,982

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 12-31-23.

International Equity Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 95.5%		
Australia – 4.7%		
Ampol, Ltd.	8,214	\$ 202,435
ANZ Group Holdings, Ltd.	103,645	1,831,202
APA Group	40,668	236,669
Aristocrat Leisure, Ltd.	20,772	577,119
ASX, Ltd.	6,673	286,692
Aurizon Holdings, Ltd.	63,445	164,255
BHP Group, Ltd.	173,263	5,919,460
BlueScope Steel, Ltd.	15,384	245,259
Brambles, Ltd.	49,445	458,300
carsales.com, Ltd.	12,240	259,381
Cochlear, Ltd.	2,361	480,335
Coles Group, Ltd.	45,978	505,071
Commonwealth Bank of Australia	57,296	4,366,928
Computershare, Ltd.	18,728	311,922
CSL, Ltd.	16,512	3,218,998
Dexus	39,487	206,365
EBOS Group, Ltd.	5,589	125,346
Endeavour Group, Ltd.	46,231	164,180
Fortescue, Ltd.	58,369	1,150,881
Goodman Group	57,954	997,785
IDP Education, Ltd.	7,195	98,148
IGO, Ltd.	23,272	143,428
Insurance Australia Group, Ltd.	88,042	340,315
Macquarie Group, Ltd.	12,682	1,587,555
Medibank Private, Ltd.	99,625	241,866
Mineral Resources, Ltd.	5,861	279,180
Mirvac Group	141,329	201,058
National Australia Bank, Ltd.	106,021	2,215,932
Northern Star Resources, Ltd.	39,419	365,733
Orica, Ltd.	15,382	167,206
Origin Energy, Ltd.	60,705	350,310
Pilbara Minerals, Ltd.	86,630	232,525
Qantas Airways, Ltd. (A)	31,854	116,682
QBE Insurance Group, Ltd.	50,892	515,668
Ramsay Health Care, Ltd.	6,743	241,886
REA Group, Ltd.	1,952	240,700
Reece, Ltd.	7,679	117,128
Rio Tinto, Ltd.	12,795	1,184,788
Santos, Ltd.	110,903	576,640
Scentre Group	178,901	364,316
SEEK, Ltd.	11,910	216,679

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Sonic Healthcare, Ltd.	16,282	\$ 355,773
South32, Ltd.	112,851	255,228
South32, Ltd. (London Stock Exchange)	48,980	110,905
Stockland	87,409	265,079
Suncorp Group, Ltd.	43,519	412,097
Telstra Group, Ltd.	142,830	385,967
The GPT Group	71,628	226,055
The Lottery Corp., Ltd.	82,609	272,576
Transurban Group	105,808	988,710
Treasury Wine Estates, Ltd.	29,128	214,309
Vicinity, Ltd.	148,057	205,668
Washington H. Soul Pattinson & Company, Ltd.	7,463	166,721
Wesfarmers, Ltd.	39,081	1,519,817
Westpac Banking Corp.	119,614	1,866,274
WiseTech Global, Ltd.	5,291	271,188
Woodside Energy Group, Ltd.	64,951	1,371,545
Woolworths Group, Ltd.	41,774	1,059,804
		41,454,042
Austria – 0.1%		
Erste Group Bank AG	11,747	475,810
OMV AG	5,543	243,186
Verbund AG	2,442	226,303
voestalpine AG	4,357	137,184
		1,082,483
Belgium – 0.5%		
Ageas SA/NV	5,462	237,436
Anheuser-Busch InBev SA/NV	29,951	1,933,276
D'iereen Group	850	166,270
Elia Group SA/NV	1,148	143,701
Groupe Bruxelles Lambert NV	3,220	253,584
KBC Group NV	8,597	557,938
Lotus Bakeries NV	14	127,244
Sofina SA	537	133,888
Syensqo SA (A)	2,508	260,978
UCB SA	4,152	361,936
Umicore SA	7,155	196,812
Warehouses De Pauw CVA	5,227	164,536
		4,537,599
Brazil – 1.1%		
Ambev SA	159,630	448,626
Atacadao SA	13,900	35,620
B3 SA - Brasil Bolsa Balcao	196,921	589,182
Banco Bradesco SA	51,324	161,585
Banco BTG Pactual SA	37,204	287,755
Banco do Brasil SA	28,713	327,312
Banco Santander Brasil SA	14,000	92,585
BB Seguridade Participacoes SA	24,400	169,464
CCR SA	40,100	117,042
Centrais Eletricas Brasileiras SA	41,047	355,593
Centrais Eletricas Brasileiras SA, ADR	1,429	13,604
Cia de Saneamento Basico do Estado de Sao Paulo	11,270	173,217
Cia Siderurgica Nacional SA	10,900	43,500
Cia Siderurgica Nacional SA, ADR	11,800	46,374
Cosan SA	40,344	158,914
CPFL Energia SA	7,900	62,648
Energisa SA	6,100	67,608
Eneva SA (A)	29,700	83,243
Engie Brasil Energia SA	7,275	67,873
Equatorial Energia SA	34,904	256,765
Hapvida Participacoes e Investimentos SA (A)(B)	167,399	153,237
Hypera SA	14,108	103,916

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Brazil (continued)		
JBS SA	34,073	\$ 172,990
Klabin SA	24,000	109,783
Localiza Rent a Car SA	30,607	400,731
Lojas Renner SA	32,186	115,491
Magazine Luiza SA (A)	94,607	42,062
Natura & Company Holding SA (A)	26,929	92,335
Petroleo Brasileiro SA	125,929	1,005,567
PRIO SA	24,100	227,978
Raia Drogasil SA	44,036	266,577
Rede D'Or Sao Luiz SA (B)	19,600	116,123
Rumo SA	45,451	214,862
Sendas Distribuidora SA	46,190	127,968
Suzano SA	22,263	253,527
Suzano SA, ADR	3,164	35,943
Telefonica Brasil SA	9,652	106,023
Telefonica Brasil SA, ADR	6,017	65,826
TIM SA	28,020	103,188
TOTVS SA	17,746	123,075
Ultrapar Participacoes SA	25,400	137,789
Vale SA	115,150	1,823,824
Vibra Energia SA	44,000	206,097
WEG SA	56,116	426,298
		9,989,720
Canada - 7.4%		
Agnico Eagle Mines, Ltd.	17,012	932,736
Air Canada (A)	7,300	102,967
Algonquin Power & Utilities Corp.	21,873	138,001
Alimentation Couche-Tard, Inc.	26,600	1,566,430
AltaGas, Ltd.	9,500	199,457
ARC Resources, Ltd.	20,700	307,286
Bank of Montreal	24,963	2,470,019
Barrick Gold Corp.	41,577	751,182
Barrick Gold Corp. (London Stock Exchange)	18,057	323,388
BCE, Inc.	2,924	115,124
Brookfield Asset Management, Ltd., Class A	12,268	492,738
Brookfield Corp. (A)	47,672	1,912,205
BRP, Inc.	1,300	93,027
CAE, Inc. (A)	12,000	259,009
Cameco Corp.	15,100	651,042
Canadian Apartment Properties REIT	3,400	125,218
Canadian Imperial Bank of Commerce	31,242	1,504,275
Canadian National Railway Company	19,000	2,388,174
Canadian Natural Resources, Ltd.	37,460	2,454,174
Canadian Pacific Kansas City, Ltd.	31,600	2,500,241
Canadian Tire Corp., Ltd., Class A	1,800	191,160
Canadian Utilities, Ltd., Class A	4,600	110,708
CCL Industries, Inc., Class B	5,400	242,848
Cenovus Energy, Inc.	47,972	799,382
CGI, Inc. (A)	7,200	771,322
Constellation Software, Inc.	700	1,735,549
Dollarama, Inc.	9,700	699,032
Element Fleet Management Corp.	13,500	219,660
Emera, Inc.	9,500	360,628
Empire Company, Ltd., Class A	6,200	164,001
Enbridge, Inc.	72,700	2,617,101
Fairfax Financial Holdings, Ltd.	719	663,360
First Quantum Minerals, Ltd.	20,054	164,210
FirstService Corp.	1,500	242,991
Fortis, Inc.	17,251	709,673
Franco-Nevada Corp.	6,636	735,041
George Weston, Ltd.	2,399	297,827
GFL Environmental, Inc.	7,900	272,525
Gildan Activewear, Inc.	6,000	198,423

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Great-West Lifeco, Inc.	9,900	\$ 327,696
Hydro One, Ltd. (B)	11,900	356,537
iA Financial Corp., Inc.	3,500	238,599
IGM Financial, Inc.	3,000	79,265
Imperial Oil, Ltd.	7,230	411,849
Intact Financial Corp.	5,900	907,720
Ivanhoe Mines, Ltd., Class A (A)	23,800	230,806
Keyera Corp.	8,500	205,468
Kinross Gold Corp.	45,229	273,753
Loblaw Companies, Ltd.	5,540	536,335
Lundin Mining Corp.	26,000	212,701
Magna International, Inc.	9,200	543,578
Manulife Financial Corp. (C)	62,100	1,372,241
MEG Energy Corp. (A)	9,800	175,062
Metro, Inc.	7,957	411,887
National Bank of Canada	11,500	876,571
Northland Power, Inc.	8,100	147,139
Nutrien, Ltd.	16,890	951,540
Onex Corp.	2,700	188,545
Open Text Corp.	9,700	407,677
Pan American Silver Corp.	12,300	200,784
Parkland Corp.	5,416	174,573
Pembina Pipeline Corp.	18,698	643,751
Power Corp. of Canada	20,512	586,544
Quebecor, Inc., Class B	6,400	152,242
Restaurant Brands International, Inc.	10,046	784,923
RioCan Real Estate Investment Trust	6,300	88,529
Rogers Communications, Inc., Class B	12,100	566,441
Royal Bank of Canada	47,534	4,807,031
Saputo, Inc.	9,100	184,259
Shopify, Inc., Class A (A)	41,100	3,199,786
Stantec, Inc.	3,800	305,078
Sun Life Financial, Inc.	19,800	1,026,871
Suncor Energy, Inc.	45,035	1,442,765
TC Energy Corp.	34,446	1,345,553
Teck Resources, Ltd., Class B	16,161	683,127
TELUS Corp.	16,111	286,701
TFI International, Inc.	2,700	367,268
The Bank of Nova Scotia	40,325	1,962,916
The Descartes Systems Group, Inc. (A)	2,900	243,656
The Toronto-Dominion Bank	61,684	3,985,800
Thomson Reuters Corp.	5,454	797,406
TMX Group, Ltd.	10,000	241,878
Toromont Industries, Ltd.	3,200	280,382
Tourmaline Oil Corp.	10,700	481,199
West Fraser Timber Company, Ltd.	2,100	179,658
Wheaton Precious Metals Corp.	15,570	768,130
WSP Global, Inc.	4,300	602,756
		65,727,110
Chile - 0.2%		
Antofagasta PLC	15,127	323,445
Banco de Chile	1,538,226	180,782
Banco de Credito e Inversiones SA	2,615	70,761
Banco Santander Chile, ADR	5,508	107,351
Cencosud SA	42,702	80,252
Empresas CMPC SA	38,455	74,167
Empresas COPEC SA	13,196	96,034
Enel Americas SA (A)	726,053	80,296
Enel Chile SA, ADR	18,222	59,039
Falabella SA (A)	29,974	74,856
Latam Airlines Group SA (A)	6,198,376	67,138
Sociedad Quimica y Minera de Chile SA, ADR (D)	4,430	266,775
		1,480,896

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China - 6.2%		
360 Security Technology, Inc., Class A (A)	14,500	\$ 18,407
37 Interactive Entertainment Network Technology Group Company, Ltd., Class A	4,700	12,470
3SBio, Inc. (A)(B)	62,000	59,788
AAC Technologies Holdings, Inc. Advanced Micro-Fabrication Equipment, Inc., Class A	27,342	81,254
AECC Aviation Power Company, Ltd., Class A	1,253	27,124
Class A	3,600	18,967
Agricultural Bank of China, Ltd., Class A	165,700	85,043
Agricultural Bank of China, Ltd., H Shares	1,000,000	385,737
Aier Eye Hospital Group Company, Ltd., Class A	19,585	43,727
Air China, Ltd., Class A (A)	23,600	24,425
Air China, Ltd., H Shares (A)	84,534	53,514
Akeso, Inc. (A)(B)	16,000	95,135
Alibaba Group Holding, Ltd.	544,400	5,243,956
Alibaba Group Holding, Ltd., ADR	1,300	100,763
Aluminum Corp. of China, Ltd., A Shares	29,100	23,144
Aluminum Corp. of China, Ltd., H Shares	131,220	65,602
Anhui Conch Cement Company, Ltd., Class A	8,900	28,311
Anhui Conch Cement Company, Ltd., H Shares	44,290	102,272
Anhui Gujing Distillery Company, Ltd., B Shares	3,600	54,815
Anhui Gujing Distillery Company, Ltd., Class A	900	29,559
Anhui Yingjia Distillery Company, Ltd., Class A	1,400	13,089
ANTA Sports Products, Ltd.	43,000	417,930
Asymchem Laboratories Tianjin Company, Ltd., Class A	700	11,452
Autohome, Inc., ADR	2,600	72,956
AVIC Industry-Finance Holdings Company, Ltd., Class A	20,000	8,773
AviChina Industry & Technology Company, Ltd., H Shares	72,000	30,869
Baidu, Inc., Class A (A)	76,200	1,134,307
Bank of Beijing Company, Ltd., Class A	47,000	30,016
Bank of Chengdu Company, Ltd., Class A	7,700	12,225
Bank of China, Ltd., Class A	78,100	43,939
Bank of China, Ltd., H Shares	2,720,563	1,033,765
Bank of Communications Company, Ltd., Class A	87,300	70,673
Bank of Communications Company, Ltd., H Shares	292,527	182,603
Bank of Hangzhou Company, Ltd., Class A	11,400	16,090
Bank of Jiangsu Company, Ltd., Class A	33,410	31,515
Bank of Nanjing Company, Ltd., Class A	13,600	14,151
Bank of Ningbo Company, Ltd., Class A	13,750	39,021
Bank of Shanghai Company, Ltd., Class A	31,610	26,607
Baoshan Iron & Steel Company, Ltd., Class A	41,300	34,542
Beijing Kingsoft Office Software, Inc., Class A	935	41,652
Beijing Tiantan Biological Products Corp., Ltd., Class A	3,400	14,828
Beijing Tongrentang Company, Ltd., Class A	2,800	21,199
Beijing-Shanghai High Speed Railway Company, Ltd., Class A	100,700	69,846
Bilibili, Inc., ADR (A)(D)	5,800	70,586
Bilibili, Inc., Class Z (A)	520	6,315

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
BOE Technology Group Company, Ltd., Class A	75,300	\$ 41,408
BYD Company, Ltd., Class A	4,000	111,684
BYD Company, Ltd., H Shares	35,605	982,151
BYD Electronic International Company, Ltd.	26,500	124,252
Cambricon Technologies Corp., Ltd., Class A (A)	844	16,016
CGN Power Company, Ltd., Class A	32,300	14,165
CGN Power Company, Ltd., H Shares (B)	364,000	95,136
Changchun High & New Technology Industry Group, Inc., Class A	800	16,440
Chaozhou Three-Circle Group Company, Ltd., Class A	3,900	16,187
China Cinda Asset Management Company, Ltd., H Shares	304,800	30,451
China CITIC Bank Corp., Ltd., H Shares	310,800	146,582
China Coal Energy Company, Ltd., H Shares	70,000	63,716
China Communications Services Corp., Ltd., H Shares	129,600	53,743
China Construction Bank Corp., Class A	15,400	14,140
China Construction Bank Corp., H Shares	3,285,914	1,954,628
China CSSC Holdings, Ltd., Class A	9,100	37,779
China Eastern Airlines Corp., Ltd., Class A (A)	15,800	8,646
China Energy Engineering Corp., Ltd., Class A	65,700	19,454
China Everbright Bank Company, Ltd., Class A	88,600	36,233
China Everbright Bank Company, Ltd., H Shares	120,000	35,658
China Feihe, Ltd. (B)	119,000	65,109
China Galaxy Securities Company, Ltd., Class A	9,000	15,298
China Galaxy Securities Company, Ltd., H Shares	129,500	68,509
China Greatwall Technology Group Company, Ltd., Class A	6,500	9,269
China Hongqiao Group, Ltd.	78,000	63,868
China Huishan Dairy Holdings Company, Ltd. (A)(E)	225,000	0
China International Capital Corp., Ltd., Class A	4,000	21,463
China International Capital Corp., Ltd., H Shares (B)	52,000	76,402
China Jushi Company, Ltd., Class A	8,100	11,227
China Life Insurance Company, Ltd., Class A	4,500	18,004
China Life Insurance Company, Ltd., H Shares	255,624	331,966
China Literature, Ltd. (A)(B)	14,000	52,208
China Longyuan Power Group Corp., Ltd., H Shares	114,000	86,570
China Mengniu Dairy Company, Ltd. (A)	108,004	290,953
China Merchants Bank Company, Ltd., Class A	45,900	180,106
China Merchants Bank Company, Ltd., H Shares	133,823	465,507
China Merchants Energy Shipping Company, Ltd., Class A	16,500	13,671
China Merchants Securities Company, Ltd., Class A	16,510	31,762
China Merchants Shekou Industrial Zone Holdings Company, Ltd., Class A	17,600	23,680

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Minsheng Banking Corp., Ltd., Class A	78,880	\$ 41,593
China Minsheng Banking Corp., Ltd., H Shares	194,496	66,028
China National Building Material Company, Ltd., H Shares	138,000	59,096
China National Nuclear Power Company, Ltd., Class A	38,300	40,502
China Northern Rare Earth Group High-Tech Company, Ltd., Class A	7,300	19,896
China Oilfield Services, Ltd., H Shares	56,000	57,237
China Pacific Insurance Group Company, Ltd., Class A	14,000	47,008
China Pacific Insurance Group Company, Ltd., H Shares	94,100	190,355
China Petroleum & Chemical Corp., Class A	56,700	44,606
China Petroleum & Chemical Corp., H Shares	873,361	457,688
China Railway Group, Ltd., Class A	30,000	24,037
China Railway Group, Ltd., H Shares	144,000	64,208
China Resources Microelectronics, Ltd., Class A	2,675	16,850
China Resources Mixc Lifestyle Services, Ltd. (B)	23,400	83,460
China Resources Pharmaceutical Group, Ltd. (B)	53,000	34,840
China Resources Sanjiu Medical & Pharmaceutical Company, Ltd., Class A	2,000	14,027
China Shenhua Energy Company, Ltd., Class A	13,400	59,271
China Shenhua Energy Company, Ltd., H Shares	113,500	389,240
China Southern Airlines Company, Ltd., Class A (A)	13,800	11,210
China Southern Airlines Company, Ltd., H Shares (A)	64,000	27,144
China State Construction Engineering Corp., Ltd., Class A	93,340	63,327
China Three Gorges Renewables Group Company, Ltd., Class A	58,700	36,170
China Tourism Group Duty Free Corp., Ltd., Class A	4,300	50,758
China Tourism Group Duty Free Corp., Ltd., H Shares (B)	2,800	27,527
China Tower Corp., Ltd., H Shares (B)	1,496,000	157,241
China United Network Communications, Ltd., Class A	64,400	39,757
China Vanke Company, Ltd., Class A	21,600	31,892
China Vanke Company, Ltd., H Shares	74,500	68,951
China Yangtze Power Company, Ltd., Class A	48,900	160,942
China Zheshang Bank Company, Ltd., Class A	43,700	15,525
Chinasoft International, Ltd. (A)	96,000	73,688
Chongqing Changan Automobile Company, Ltd., Class A	16,800	39,873
Chongqing Zhifei Biological Products Company, Ltd., Class A	4,650	40,053
CITIC Securities Company, Ltd., Class A	25,185	72,375
CITIC Securities Company, Ltd., H Shares	61,825	126,317
CITIC, Ltd.	207,967	207,937
CMOC Group, Ltd., Class A	28,400	20,813
CMOC Group, Ltd., H Shares	129,000	70,573
CNPC Capital Company, Ltd., Class A	17,300	13,165

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Contemporary Amperex Technology Company, Ltd., Class A	8,820	\$ 203,041
COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	44,000	41,517
COSCO SHIPPING Holdings Company, Ltd., Class A	26,000	35,106
COSCO SHIPPING Holdings Company, Ltd., H Shares	119,600	120,254
Country Garden Holdings Company, Ltd. (A)	420,117	42,047
Country Garden Services Holdings Company, Ltd.	69,000	59,751
CRRC Corp., Ltd., Class A	49,300	36,553
CRRC Corp., Ltd., H Shares	145,000	63,919
CSC Financial Company, Ltd., Class A	6,200	20,684
CSPC Innovation Pharmaceutical Company, Ltd., Class A	2,400	12,387
CSPC Pharmaceutical Group, Ltd.	303,120	282,120
Daqin Railway Company, Ltd., Class A	30,700	31,205
Daqo New Energy Corp., ADR (A)	2,500	66,500
Dongfeng Motor Group Company, Ltd., H Shares	91,220	45,457
East Buy Holding, Ltd. (A)(B)	13,500	48,100
East Money Information Company, Ltd., Class A	30,896	61,217
Eastroc Beverage Group Company, Ltd., Class A	500	12,865
Ecovacs Robotics Company, Ltd., Class A	2,300	13,437
ENN Energy Holdings, Ltd.	26,600	196,426
Eve Energy Company, Ltd., Class A	4,181	24,893
Everbright Securities Company, Ltd., Class A	8,700	18,912
Flat Glass Group Company, Ltd., H Shares	23,000	38,822
Focus Media Information Technology Company, Ltd., Class A	32,700	29,164
Foshan Haitian Flavouring & Food Company, Ltd., Class A	10,296	55,112
Fosun International, Ltd.	85,000	49,969
Founder Securities Company, Ltd., Class A	16,700	18,968
Foxconn Industrial Internet Company, Ltd., Class A	27,100	57,731
Fuyao Glass Industry Group Company, Ltd., Class A	4,500	23,718
Fuyao Glass Industry Group Company, Ltd., H Shares (B)	20,800	101,285
Ganfeng Lithium Group Company, Ltd., Class A	3,360	20,273
Ganfeng Lithium Group Company, Ltd., H Shares (B)	12,039	45,483
GD Power Development Company, Ltd., Class A	36,100	21,172
GDS Holdings, Ltd., ADR (A)	3,400	31,008
GDS Holdings, Ltd., Class A (A)	2,800	3,169
Gemdale Corp., Class A	7,300	4,492
Genscript Biotech Corp. (A)	40,000	101,803
GF Securities Company, Ltd., Class A	13,200	26,601
GF Securities Company, Ltd., H Shares	47,800	57,240
GigaDevice Semiconductor, Inc., Class A	1,372	17,860
GoerTek, Inc., Class A	5,200	15,395
Goldwind Science & Technology Company, Ltd., Class A	7,700	8,682
Great Wall Motor Company, Ltd., Class A	5,000	17,786
Great Wall Motor Company, Ltd., H Shares	104,500	135,844

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Gree Electric Appliances, Inc. of Zhuhai, Class A	5,700	\$ 25,875
Greentown China Holdings, Ltd.	29,000	29,574
Guangdong Haid Group Company, Ltd., Class A	3,500	22,162
Guanghui Energy Company, Ltd., Class A	13,500	13,584
Guangzhou Automobile Group Company, Ltd., Class A	10,000	12,337
Guangzhou Automobile Group Company, Ltd., H Shares	100,310	46,645
Guangzhou Baiyunshan Pharmaceutical Holdings Company, Ltd., Class A	2,300	9,274
Guangzhou Tinci Materials Technology Company, Ltd., Class A	3,900	13,786
Guosen Securities Company, Ltd., Class A	6,600	7,949
Guotai Junan Securities Company, Ltd., Class A	16,700	35,043
H World Group, Ltd., ADR	7,100	237,424
Haidilao International Holding, Ltd. (B)	56,000	104,467
Haier Smart Home Company, Ltd., Class A	13,600	40,291
Haier Smart Home Company, Ltd., H Shares	83,800	236,704
Hainan Airlines Holding Company, Ltd., Class A (A)	87,600	16,920
Haitian International Holdings, Ltd.	21,000	51,983
Haitong Securities Company, Ltd., Class A	18,000	23,785
Haitong Securities Company, Ltd., H Shares	113,200	60,475
Hangzhou First Applied Material Company, Ltd., Class A	5,488	18,788
Hangzhou Silan Microelectronics Company, Ltd., Class A	2,600	8,366
Hangzhou Tigermed Consulting Company, Ltd., A Shares	1,700	13,165
Hansoh Pharmaceutical Group Company, Ltd. (B)	40,000	80,843
Henan Shuanghui Investment & Development Company, Ltd., Class A	4,400	16,581
Hengan International Group Company, Ltd.	25,000	93,061
Hengli Petrochemical Company, Ltd., Class A (A)	9,500	17,632
Hithink RoyalFlush Information Network Company, Ltd., Class A	900	19,923
Horizon Construction Development, Ltd. (A)	2,444	1,439
Hoyuan Green Energy Company, Ltd., Class A	2,151	10,087
Hua Hong Semiconductor, Ltd. (A)(B)	20,000	48,334
Huadong Medicine Company, Ltd., Class A	2,800	16,378
Hualan Biological Engineering, Inc., Class A	4,030	12,573
Huaneng Power International, Inc., Class A (A)	18,600	20,191
Huaneng Power International, Inc., H Shares (A)	149,436	79,274
Huatai Securities Company, Ltd., Class A	16,400	32,273
Huatai Securities Company, Ltd., H Shares (B)	48,800	61,663
Huaxia Bank Company, Ltd., Class A	28,500	22,582
Huayu Automotive Systems Company, Ltd., Class A	5,100	11,705
Huizhou Desay Sv Automotive Company, Ltd., Class A	1,100	20,085
Hunsun Technologies, Inc., Class A	3,075	12,463

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Hygeia Healthcare Holdings Company, Ltd. (B)	11,400	\$ 51,606
Hygon Information Technology Company, Ltd., Class A	3,973	39,712
IEIT Systems Company, Ltd., Class A	3,248	15,179
Iflytek Company, Ltd., Class A	4,700	30,694
Imeik Technology Development Company, Ltd., Class A	400	16,584
Industrial & Commercial Bank of China, Ltd., Class A	120,000	80,874
Industrial & Commercial Bank of China, Ltd., H Shares	2,198,735	1,071,539
Industrial Bank Company, Ltd., Class A	46,200	105,606
Industrial Securities Company, Ltd., Class A	14,900	12,334
Ingenic Semiconductor Company, Ltd., Class A	2,800	25,511
Inner Mongolia BaoTou Steel Union Company, Ltd., Class A (A)	48,800	10,042
Inner Mongolia Yili Industrial Group Company, Ltd., Class A	13,600	51,316
Inner Mongolia Yitai Coal Company, Ltd., Class B	36,400	56,082
Innovent Biologics, Inc. (A)(B)	39,000	213,582
iQIYI, Inc., ADR (A)	15,000	73,200
JA Solar Technology Company, Ltd., Class A	6,272	18,332
JCET Group Company, Ltd., Class A	3,600	15,146
JD Health International, Inc. (A)(B)	38,200	191,754
JD Logistics, Inc. (A)(B)	67,000	84,017
JD.com, Inc., Class A	79,273	1,144,947
Jiangsu Eastern Shenghong Company, Ltd., Class A	13,400	18,132
Jiangsu Expressway Company, Ltd., H Shares	41,145	37,022
Jiangsu Hengli Hydraulic Company, Ltd., Class A	2,960	22,827
Jiangsu Hengrui Pharmaceuticals Company, Ltd., Class A	14,198	90,602
Jiangsu King's Luck Brewery JSC, Ltd., Class A	2,800	19,256
Jiangsu Yanghe Brewery Joint-Stock Company, Ltd., Class A	3,400	52,741
Jiangxi Copper Company, Ltd., H Shares	39,075	55,272
Jinko Solar Company, Ltd., Class A	13,511	16,868
Kanzhun, Ltd., ADR	7,400	122,914
KE Holdings, Inc., ADR	22,300	361,483
Kingdee International Software Group Company, Ltd. (A)	89,000	129,923
Kingsoft Corp., Ltd.	32,800	101,399
Kuaishou Technology (A)(B)	78,500	534,132
Kweichow Moutai Company, Ltd., Class A	2,600	632,898
Lenovo Group, Ltd.	257,436	360,266
Lens Technology Company, Ltd., Class A	7,300	13,578
Lepu Medical Technology Beijing Company, Ltd., Class A	4,000	9,115
Li Auto, Inc., Class A (A)	39,200	734,456
Li Ning Company, Ltd.	80,500	216,033
Lingyi iTech Guangdong Company, Class A	12,700	12,089
Longfor Group Holdings, Ltd. (B)	65,779	105,568
LONGi Green Energy Technology Company, Ltd., Class A	15,064	48,634
Lufax Holding, Ltd., ADR	7,200	22,104

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Luxshare Precision Industry Company, Ltd., Class A	15,495	\$ 75,243
Luzhou Laojiao Company, Ltd., Class A	3,300	83,645
Mango Excellent Media Company, Ltd., Class A	3,300	11,729
Maxscend Microelectronics Company, Ltd., Class A	1,440	28,606
Meinian Onehealth Healthcare Holdings Company, Ltd., Class A (A)	8,300	7,035
Meituan, Class B (A)(B)	173,400	1,820,488
Metallurgical Corp. of China, Ltd., Class A	28,700	12,380
Microport Scientific Corp. (A)	25,019	26,989
MINISO Group Holding, Ltd., ADR	13,000	265,200
Minth Group, Ltd.	26,000	52,588
Montage Technology Company, Ltd., Class A	2,305	19,067
Muyuan Foods Company, Ltd., Class A	9,282	53,927
NARI Technology Company, Ltd., Class A	17,798	55,997
National Silicon Industry Group Company, Ltd., Class A (A)	5,536	13,518
NAURA Technology Group Company, Ltd., Class A	1,100	38,088
NetEase, Inc.	66,100	1,192,549
New China Life Insurance Company, Ltd., Class A	4,600	20,207
New China Life Insurance Company, Ltd., H Shares	29,500	57,556
New Hope Liuhe Company, Ltd., Class A (A)	6,800	8,941
New Oriental Education & Technology Group, Inc. (A)	51,000	371,772
Ningbo Tuopu Group Company, Ltd., Class A	2,200	22,757
Ningxia Baofeng Energy Group Company, Ltd., Class A	14,900	31,033
NIO, Inc., ADR (A)(D)	46,800	424,476
Nongfu Spring Company, Ltd., H Shares (B)	68,800	398,112
Orient Securities Company, Ltd., Class A	12,288	15,076
Perfect World Company, Ltd., Class A	4,350	7,257
PetroChina Company, Ltd., Class A	36,000	35,826
PetroChina Company, Ltd., H Shares	712,261	470,655
Pharmaron Beijing Company, Ltd., Class A	3,000	12,246
PICC Property & Casualty Company, Ltd., H Shares	252,363	300,316
Ping An Bank Company, Ltd., Class A	38,200	50,582
Ping An Healthcare and Technology Company, Ltd. (A)(B)	17,400	39,653
Ping An Insurance Group Company of China, Ltd., Class A	24,100	137,106
Ping An Insurance Group Company of China, Ltd., H Shares	226,290	1,024,483
Piotech, Inc., Class A	384	12,518
Poly Developments and Holdings Group Company, Ltd., Class A	26,500	37,019
Pop Mart International Group, Ltd. (B)	19,200	49,818
Postal Savings Bank of China Company, Ltd., Class A	58,900	36,137
Postal Savings Bank of China Company, Ltd., H Shares (B)	331,000	158,261
Power Construction Corp. of China, Ltd., Class A	20,500	14,133
Qifu Technology, Inc., ADR	3,800	60,116
Qinghai Salt Lake Industry Company, Ltd., Class A (A)	11,000	24,741

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Raytron Technology Company, Ltd., Class A	2,601	\$ 16,213
Rongsheng Petrochemical Company, Ltd., Class A	13,950	20,361
SAIC Motor Corp., Ltd., Class A	17,300	33,004
Sanan Optoelectronics Company, Ltd., Class A	10,100	19,716
Sangfor Technologies, Inc., Class A (A)	700	7,133
Sany Heavy Equipment International Holdings Company, Ltd.	38,000	36,779
Sany Heavy Industry Company, Ltd., Class A	18,600	36,116
Satellite Chemical Company, Ltd., Class A (A)	6,800	14,150
SDIC Power Holdings Company, Ltd., Class A	15,100	28,052
Seazen Holdings Company, Ltd., Class A (A)	5,000	8,055
Seres Group Company, Ltd., Class A (A)	3,100	33,297
SF Holding Company, Ltd., Class A	10,100	57,600
Shaanxi Coal Industry Company, Ltd., Class A	19,600	57,756
Shandong Gold Mining Company, Ltd., Class A	5,880	18,941
Shandong Gold Mining Company, Ltd., H Shares (B)	21,500	40,793
Shandong Hualu Hengsheng Chemical Company, Ltd., Class A	4,300	16,728
Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	80,000	77,967
Shanghai Baosight Software Company, Ltd., Class A	3,600	24,766
Shanghai Baosight Software Company, Ltd., Class B	27,456	58,212
Shanghai Electric Group Company, Ltd., Class A (A)	25,600	15,051
Shanghai Fosun Pharmaceutical Group Company, Ltd., Class A	3,200	11,293
Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares	17,500	38,116
Shanghai International Airport Company, Ltd., Class A (A)	1,600	7,395
Shanghai International Port Group Company, Ltd., Class A	13,700	9,466
Shanghai M&G Stationery, Inc., Class A	2,000	10,589
Shanghai Pharmaceuticals Holding Company, Ltd., Class A	5,600	13,211
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	31,100	45,500
Shanghai Pudong Development Bank Company, Ltd., Class A	65,300	60,970
Shanghai Putailai New Energy Technology Company, Ltd., Class A	4,100	12,092
Shanghai RAAS Blood Products Company, Ltd., Class A	13,800	15,565
Shanghai Rural Commercial Bank Company, Ltd., Class A	19,500	15,783
Shanghai United Imaging Healthcare Company, Ltd., Class A	1,689	32,627
Shanxi Coking Coal Energy Group Company, Ltd., Class A	11,600	16,158
Shanxi Lu'an Environmental Energy Development Company, Ltd., Class A	6,100	18,845
Shanxi Xinghuacun Fen Wine Factory Company, Ltd., Class A	2,460	80,072

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Shengyi Technology Company, Ltd., Class A	5,100	\$ 13,171
Shennan Circuits Company, Ltd., Class A	1,120	11,211
Shenwan Hongyuan Group Company, Ltd., Class A	36,200	22,670
Shenzhen Inovance Technology Company, Ltd., Class A	5,550	49,435
Shenzhen Kangtai Biological Products Company, Ltd., Class A	2,240	8,575
Shenzhen Mindray Bio-Medical Electronics Company, Ltd., Class A	2,500	102,512
Shenzhen New Industries Biomedical Engineering Company, Ltd., Class A	1,600	17,642
Shenzhen Overseas Chinese Town Company, Ltd., Class A (A)	13,200	5,795
Shenzhen Transsion Holdings Company, Ltd., Class A	1,629	31,777
Shenzhou International Group Holdings, Ltd.	28,300	290,326
Sichuan Chuantou Energy Company, Ltd., Class A	9,800	20,893
Sichuan Road and Bridge Group Company, Ltd., Class A	14,700	15,529
Silergy Corp.	11,000	178,540
Sinopharm Group Company, Ltd., H Shares	42,800	112,170
Sinotruk Hong Kong, Ltd.	23,500	46,131
Smoores International Holdings, Ltd. (B)	62,000	51,674
Songcheng Performance Development Company, Ltd., Class A	5,760	8,016
Spring Airlines Company, Ltd., Class A (A)	2,000	14,156
Sungrow Power Supply Company, Ltd., Class A	3,000	37,040
Sunny Optical Technology Group Company, Ltd.	24,400	221,818
TAL Education Group, ADR (A)	14,900	188,187
TBEA Company, Ltd., Class A	10,200	19,844
TCL Technology Group Corp., Class A (A)	23,980	14,536
TCL Zhonghuan Renewable Energy Technology Company, Ltd., Class A	8,250	18,183
Tencent Holdings, Ltd.	228,000	8,608,111
Tencent Music Entertainment Group, ADR (A)	25,200	227,052
The People's Insurance Company Group of China, Ltd., Class A	19,200	13,115
The People's Insurance Company Group of China, Ltd., H Shares	265,000	81,511
Thunder Software Technology Company, Ltd., Class A	900	10,149
Tianqi Lithium Corp., Class A	3,000	23,593
Tingyi Cayman Islands Holding Corp.	76,000	92,689
Tongcheng Travel Holdings, Ltd. (A)	41,600	77,045
Tongwei Company, Ltd., Class A	6,200	21,873
Topsports International Holdings, Ltd. (B)	64,000	49,908
TravelSky Technology, Ltd., H Shares	31,000	53,603
Trina Solar Company, Ltd., Class A	4,405	17,725
Trip.com Group, Ltd., ADR (A)	18,900	680,589
Tsingtao Brewery Company, Ltd., Class A	1,400	14,757
Tsingtao Brewery Company, Ltd., H Shares	22,000	147,825
Unigroup Guoxin Microelectronics Company, Ltd., Class A (A)	1,679	15,960
Uni-President China Holdings, Ltd.	46,000	32,730
Unisplendour Corp., Ltd., Class A (A)	5,320	14,506

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Vipshop Holdings, Ltd., ADR (A)	12,000	\$ 213,120
Walvax Biotechnology Company, Ltd., Class A	3,400	11,266
Wanhua Chemical Group Company, Ltd., Class A	7,000	75,874
Weibo Corp., ADR	2,390	26,171
Weichai Power Company, Ltd., Class A	9,600	18,463
Weichai Power Company, Ltd., H Shares	64,720	108,124
Wens Foodstuffs Group Company, Ltd., Class A	14,160	40,068
Will Semiconductor Company, Ltd., Class A	4,185	62,964
Wingtech Technology Company, Ltd., Class A (A)	2,500	14,912
Wuliangye Yibin Company, Ltd., Class A	8,600	170,240
WUS Printed Circuit Kunshan Company, Ltd., Class A	4,180	13,024
WuXi AppTec Company, Ltd., Class A	5,544	56,894
WuXi AppTec Company, Ltd., H Shares (B)	12,106	123,337
WuXi Biologics Cayman, Inc. (A)(B)	129,000	487,911
XCMG Construction Machinery Company, Ltd., Class A	23,900	18,402
Xiaomi Corp., Class B (A)(B)	522,200	1,045,677
Xinjiang Daqo New Energy Company, Ltd., Class A	3,610	15,052
Xinyi Solar Holdings, Ltd.	172,835	101,047
XPeng, Inc., A Shares (A)	35,000	254,956
Xtep International Holdings, Ltd.	45,000	25,438
Yadea Group Holdings, Ltd. (B)	42,000	73,978
Yankuang Energy Group Company, Ltd., Class A	7,800	21,786
Yankuang Energy Group Company, Ltd., H Shares	74,985	142,627
Yihai Kerry Arawana Holdings Company, Ltd., Class A	2,900	13,656
Yonyou Network Technology Company, Ltd., Class A	5,200	13,038
YTO Express Group Company, Ltd., Class A	7,000	12,130
Yum China Holdings, Inc.	14,200	602,506
Yunda Holding Company, Ltd., Class A	3,120	3,281
Yunnan Baiyao Group Company, Ltd., Class A	3,920	27,172
Yunnan Energy New Material Company, Ltd., Class A	1,800	14,415
Zai Lab, Ltd., ADR (A)	3,100	84,723
Zhangzhou Pientzheuang Pharmaceutical Company, Ltd., Class A	1,000	34,108
Zhaojin Mining Industry Company, Ltd., H Shares	40,000	49,693
Zhejiang Chint Electrics Company, Ltd., Class A	4,800	14,558
Zhejiang Dahua Technology Company, Ltd., Class A	4,800	12,486
Zhejiang Expressway Company, Ltd., H Shares	68,610	45,803
Zhejiang Huayou Cobalt Company, Ltd., Class A	3,300	15,318
Zhejiang Jingsheng Mechanical & Electrical Company, Ltd., Class A	2,600	16,160
Zhejiang Leapmotor Technology Company, Ltd. (A)(B)	17,300	79,177
Zhejiang NHU Company, Ltd., Class A	6,912	16,529

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Zhejiang Sanhua Intelligent Controls Company, Ltd., Class A	3,600	\$ 14,921
Zhejiang Supor Company, Ltd., Class A	1,200	8,967
Zhejiang Zheneng Electric Power Company, Ltd., Class A (A)	22,900	14,881
ZhongAn Online P&C Insurance Company, Ltd., H Shares (A)(B)	24,300	55,684
Zhongji Innolight Company, Ltd., Class A	1,600	25,400
Zhongjin Gold Corp., Ltd., Class A	9,800	13,748
Zhongsheng Group Holdings, Ltd.	28,500	68,264
Zhongtai Securities Company, Ltd., Class A	14,100	13,639
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	18,000	51,416
Zijin Mining Group Company, Ltd., Class A	41,700	73,195
Zijin Mining Group Company, Ltd., H Shares	193,469	315,387
Zoomlion Heavy Industry Science and Technology Company, Ltd., Class A	14,300	13,168
ZTE Corp., Class A	7,600	28,365
ZTE Corp., H Shares	25,887	57,855
ZTO Express Cayman, Inc., ADR	15,400	327,712
		55,188,680
Colombia - 0.0%		
Bancolombia SA, ADR	3,847	118,372
Czech Republic - 0.1%		
CEZ AS	5,524	236,777
Komerční banka AS	3,440	111,394
Moneta Money Bank AS (B)	17,731	74,188
		422,359
Denmark - 2.1%		
A.P. Moller - Maersk A/S, Series A	118	209,602
A.P. Moller - Maersk A/S, Series B	164	295,204
Carlsberg A/S, Class B	3,332	418,113
Chr. Hansen Holding A/S	4,006	335,972
Coloplast A/S, B Shares	4,670	533,623
Danske Bank A/S	23,427	626,234
Demant A/S (A)	3,300	144,739
DSV A/S	6,299	1,106,777
Genmab A/S (A)	2,238	713,593
Novo Nordisk A/S, Class B	111,550	11,560,059
Novozymes A/S, B Shares	7,605	418,073
Orsted A/S (B)	6,401	354,850
Pandora A/S	3,090	427,208
ROCKWOOL A/S, B Shares	352	102,986
Tryg A/S	13,079	284,628
Vestas Wind Systems A/S (A)	34,397	1,088,380
		18,620,041
Egypt - 0.0%		
Commercial International Bank Egypt SAE	103,464	244,069
Finland - 0.7%		
Elisa OYJ	4,868	225,042
Fortum OYJ	16,798	242,632
Kesko OYJ, B Shares	9,211	182,596
Kone OYJ, B Shares	11,833	591,899
Metso OYJ	22,595	229,382
Neste OYJ	14,709	522,901
Nokia OYJ	128,632	438,111
Nokia OYJ (Euronext Paris Exchange)	56,247	191,167
Nordea Bank ABP	1,569	19,479
Nordea Bank ABP (Nasdaq Stockholm Exchange)	108,931	1,352,313
Orion OYJ, Class B	3,379	146,416

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Finland (continued)		
Sampo OYJ, A Shares	15,562	\$ 681,806
Stora Enso OYJ, R Shares	20,482	283,789
UPM-Kymmene OYJ	18,128	683,800
Wartsila OYJ ABP	15,222	221,227
		6,012,560
France - 7.5%		
Accor SA	6,145	235,206
Aéroports de Paris SA	1,190	154,408
Air Liquide SA	17,903	3,485,625
Airbus SE	20,253	3,128,847
Alstom SA	9,797	132,115
Amundi SA (B)	2,415	164,726
Arkema SA	1,999	227,721
AXA SA	62,079	2,027,276
BioMerieux	1,432	159,323
BNP Paribas SA	35,431	2,460,526
Bolloré SE	24,915	155,913
Bouygues SA	6,976	263,199
Bureau Veritas SA	10,297	260,511
Capgemini SE	5,569	1,163,872
Carrefour SA	20,223	370,376
Cie de Saint-Gobain SA	15,621	1,152,004
Cie Generale des Etablissements Michelin SCA	23,852	856,918
Covivio SA	2,350	126,452
Credit Agricole SA	41,336	587,658
Danone SA	22,299	1,446,724
Dassault Aviation SA	697	138,096
Dassault Systemes SE	22,638	1,108,067
Edenred SE	8,717	521,665
Eiffage SA	2,487	266,980
Engie SA	62,212	1,095,943
EssilorLuxottica SA	10,078	2,023,646
Eurazeo SE	1,666	132,470
Gecina SA	1,814	220,834
Getlink SE	12,097	221,555
Hermes International SCA	1,082	2,299,803
Ipsen SA	1,496	178,456
Kering SA	2,569	1,137,804
Klepierre SA	8,046	219,661
La Française des Jeux SAEM (B)	3,888	141,231
Legrand SA	9,062	943,681
L'Oreal SA	8,245	4,110,130
LVMH Moët Hennessy Louis Vuitton SE	9,439	7,669,522
Orange SA	63,009	718,153
Pernod Ricard SA	6,989	1,235,106
Publicis Groupe SA	7,760	720,995
Remy Cointreau SA	936	119,391
Renault SA	7,048	288,262
Safran SA	11,681	2,059,478
Sanofi SA	38,910	3,866,586
Sartorius Stedim Biotech	1,029	272,872
Schneider Electric SE	17,979	3,619,276
Schneider Electric SE (Euronext London Exchange)	623	125,240
SEB SA	1,019	127,605
Societe Generale SA	24,614	654,862
Sodexo SA	3,211	353,493
STMicroelectronics NV	23,244	1,165,893
Teleperformance SE	2,141	313,457
Thales SA	3,635	538,243
TotalEnergies SE	78,334	5,326,624
Unibail-Rodamco-Westfield (A)	3,595	265,898
Unibail-Rodamco-Westfield, CHESSE Depositary Interest (A)	7,913	29,142

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Veolia Environnement SA	23,848	\$ 753,754
Vinci SA	17,984	2,263,197
Vivendi SE	24,474	261,993
Worldline SA (A)(B)	8,877	154,371
		66,222,835
Germany - 5.1%		
adidas AG	5,518	1,121,293
Allianz SE	13,716	3,665,474
BASF SE	30,247	1,628,709
Bayer AG	33,683	1,249,769
Bayerische Motoren Werke AG	10,900	1,212,859
Bechtle AG	3,255	163,035
Beiersdorf AG	3,424	512,759
Brenntag SE	5,248	482,330
Carl Zeiss Meditec AG, Bearer Shares	1,435	156,206
Commerzbank AG	37,723	448,367
Continental AG	4,116	349,577
Covestro AG (A)(B)	7,081	412,622
Daimler Truck Holding AG	18,285	686,857
Delivery Hero SE (A)(B)	6,014	165,523
Deutsche Bank AG	65,587	895,332
Deutsche Boerse AG	6,468	1,331,984
Deutsche Lufthansa AG (A)	23,929	212,734
Deutsche Post AG	33,981	1,681,922
Deutsche Telekom AG	110,734	2,662,406
E.ON SE	76,314	1,025,281
Evonik Industries AG	8,081	165,086
Fresenius Medical Care AG	6,818	285,048
Fresenius SE & Company KGaA	14,307	443,452
GEA Group AG	5,882	244,539
Hannover Rueck SE	1,990	475,816
Heidelberg Materials AG	4,919	439,700
HelloFresh SE (A)	4,739	74,717
Henkel AG & Company KGaA	3,884	278,671
Infineon Technologies AG	44,694	1,866,534
Knorr-Bremse AG	2,779	179,482
LEG Immobilien SE (A)	2,174	190,245
Mercedes-Benz Group AG	27,096	1,869,562
Merck KGaA	4,390	698,950
MTU Aero Engines AG	1,813	390,602
Muenchener Rueckversicherungs-Gesellschaft AG	4,609	1,911,873
Nemetschek SE	2,010	173,532
Puma SE	3,943	219,347
Rational AG	207	159,733
Rheinmetall AG	1,488	471,898
RWE AG	21,783	991,405
SAP SE	35,694	5,494,066
Scout24 SE (B)	2,538	179,465
Siemens AG	25,979	4,873,892
Siemens Energy AG (A)	17,760	234,720
Siemens Healthineers AG (B)	9,542	553,994
Symrise AG	4,743	521,234
Talanx AG	2,143	153,150
Volkswagen AG	999	130,724
Vonovia SE	25,062	787,489
Wacker Chemie AG	618	77,917
Zalando SE (A)(B)	7,664	181,441
		44,783,323
Greece - 0.1%		
Alpha Services and Holdings SA (A)	74,045	125,776
Eurobank Ergasias Services and Holdings SA (A)	85,715	152,292
FF Group (A)(E)	1,869	3,095

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Greece (continued)		
Hellenic Telecommunications Organization SA	8,503	\$ 121,121
JUMBO SA	3,913	108,554
Motor Oil Hellas Corinth Refineries SA	2,077	54,534
Mytilineos SA	3,417	138,443
National Bank of Greece SA (A)	26,577	184,650
OPAP SA	7,073	119,990
Piraeus Financial Holdings SA (A)	23,224	82,067
Public Power Corp. SA (A)	6,989	86,116
		1,176,638
Hong Kong - 1.9%		
AIA Group, Ltd.	394,000	3,428,936
Alibaba Health Information Technology, Ltd. (A)	162,000	88,084
Beijing Enterprises Holdings, Ltd.	19,786	68,808
Beijing Enterprises Water Group, Ltd.	198,000	44,132
BOC Hong Kong Holdings, Ltd.	132,328	359,473
Bosideng International Holdings, Ltd.	108,000	48,580
Brilliance China Automotive Holdings, Ltd.	104,000	57,927
Budweiser Brewing Company APAC, Ltd. (B)	67,400	126,355
C&D International Investment Group, Ltd.	25,000	53,158
China Common Rich Renewable Energy Investments, Ltd. (A)(E)	428,695	11,804
China Everbright Environment Group, Ltd.	117,851	38,363
China Gas Holdings, Ltd.	104,200	102,952
China Medical System Holdings, Ltd.	48,300	85,594
China Merchants Port Holdings Company, Ltd.	52,898	72,087
China Overseas Land & Investment, Ltd.	131,382	231,795
China Overseas Property Holdings, Ltd.	45,000	33,771
China Power International Development, Ltd.	185,000	68,051
China Resources Beer Holdings Company, Ltd.	55,979	245,633
China Resources Gas Group, Ltd.	30,000	98,464
China Resources Land, Ltd.	110,964	398,141
China Resources Power Holdings Company, Ltd.	68,244	136,751
China Ruyi Holdings, Ltd. (A)	156,000	34,594
China State Construction International Holdings, Ltd.	71,250	82,451
China Taiping Insurance Holdings Company, Ltd.	60,500	52,172
China Traditional Chinese Medicine Holdings Company, Ltd.	80,000	40,253
Chow Tai Fook Jewellery Group, Ltd.	80,800	120,377
CK Asset Holdings, Ltd.	73,046	366,625
CK Hutchison Holdings, Ltd.	90,663	487,096
CK Infrastructure Holdings, Ltd.	24,772	137,093
CLP Holdings, Ltd.	59,400	490,770
COSCO SHIPPING Ports, Ltd.	64,843	46,875
ESR Group, Ltd. (B)	75,200	103,998
Far East Horizon, Ltd.	66,000	51,946
Futu Holdings, Ltd., ADR (A)	1,700	92,871
Galaxy Entertainment Group, Ltd.	74,000	414,464
GCL Technology Holdings, Ltd.	694,000	110,207
Geely Automobile Holdings, Ltd.	206,000	226,932
Guangdong Investment, Ltd.	99,220	72,219
Hang Lung Properties, Ltd.	74,326	103,336
Hang Seng Bank, Ltd.	27,319	318,962
Henderson Land Development Company, Ltd.	55,324	170,367
HKT Trust & HKT, Ltd.	145,233	173,398

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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	\$ 309,850
Hong Kong Exchanges & Clearing, Ltd.	41,214	1,413,651
Hongkong Land Holdings, Ltd.	44,100	153,382
Jardine Matheson Holdings, Ltd.	5,400	222,279
Kingboard Holdings, Ltd.	22,500	53,811
Kingboard Laminates Holdings, Ltd.	36,500	31,416
Kunlun Energy Company, Ltd.	134,000	120,930
Link REIT	90,646	508,982
MTR Corp., Ltd.	59,022	229,085
New World Development Company, Ltd.	57,618	89,338
Nine Dragons Paper Holdings, Ltd. (A)	55,000	27,098
Orient Overseas International, Ltd.	4,500	62,847
Power Assets Holdings, Ltd.	51,582	299,057
Prudential PLC	93,830	1,058,654
Sino Biopharmaceutical, Ltd.	346,500	154,138
Sino Land Company, Ltd.	138,789	150,930
SITC International Holdings Company, Ltd.	52,000	89,754
Sun Hung Kai Properties, Ltd.	49,630	537,065
Swire Pacific, Ltd., Class A	18,163	153,834
Swire Properties, Ltd.	43,628	88,314
Techtronic Industries Company, Ltd.	49,500	589,797
The Wharf Holdings, Ltd.	37,000	119,194
Vinda International Holdings, Ltd.	12,000	34,990
Want Want China Holdings, Ltd.	163,000	98,521
WH Group, Ltd. (B)	320,343	206,877
Wharf Real Estate Investment Company, Ltd.	62,876	212,551
Xinyi Glass Holdings, Ltd.	74,091	83,218
Yuexiu Property Company, Ltd.	63,440	51,732
		16,647,160
Hungary - 0.1%		
MOL Hungarian Oil & Gas PLC	12,392	100,990
OTP Bank NYRT	8,135	370,568
Richter Gedeon NYRT	4,794	120,932
		592,490
India - 4.5%		
ABB India, Ltd.	1,809	101,511
Adani Enterprises, Ltd.	5,824	199,161
Adani Green Energy, Ltd. (A)	10,747	207,036
Adani Ports & Special Economic Zone, Ltd.	16,979	208,457
Adani Power, Ltd. (A)	26,354	165,620
Ambuja Cements, Ltd.	20,118	125,523
APL Apollo Tubes, Ltd.	5,688	104,926
Apollo Hospitals Enterprise, Ltd.	3,469	237,804
Ashok Leyland, Ltd.	49,576	107,846
Asian Paints, Ltd.	12,839	523,506
Astral, Ltd.	4,082	93,691
AU Small Finance Bank, Ltd. (B)	5,380	50,707
Aurobindo Pharma, Ltd.	9,153	119,336
Avenue Supermarts, Ltd. (A)(B)	5,494	267,958
Axis Bank, Ltd.	76,963	1,016,524
Bajaj Auto, Ltd.	2,293	187,872
Bajaj Finance, Ltd.	9,199	808,024
Bajaj Finserv, Ltd.	13,150	266,556
Bajaj Holdings & Investment, Ltd.	912	84,332
Balkrishna Industries, Ltd.	2,611	80,696
Bandhan Bank, Ltd. (B)	22,207	64,275
Bank of Baroda	35,251	97,702
Berger Paints India, Ltd.	9,702	70,469
Bharat Electronics, Ltd.	121,575	267,933
Bharat Forge, Ltd.	8,648	128,581
Bharat Petroleum Corp., Ltd.	25,641	138,970
Bharti Airtel, Ltd.	75,053	928,454

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Britannia Industries, Ltd.	3,618	\$ 232,140
CG Power & Industrial Solutions, Ltd.	20,819	113,043
Cholamandalam Investment and Finance Company, Ltd.	13,536	204,770
Cipla, Ltd.	17,720	266,073
Coal India, Ltd.	53,104	239,924
Colgate-Palmolive India, Ltd.	4,075	123,678
Container Corp. of India, Ltd.	9,153	94,342
Cummins India, Ltd.	4,680	110,553
Dabur India, Ltd.	21,327	142,611
Divi's Laboratories, Ltd.	4,034	189,345
DLF, Ltd.	20,605	179,099
Dr. Reddy's Laboratories, Ltd., ADR	3,708	258,003
Eicher Motors, Ltd.	4,712	233,866
GAIL India, Ltd., GDR	12,953	149,016
Godrej Consumer Products, Ltd.	11,997	162,709
Godrej Properties, Ltd. (A)	4,161	100,263
Grasim Industries, Ltd.	8,313	212,896
Havells India, Ltd.	7,516	123,475
HCL Technologies, Ltd.	32,001	563,908
HDFC Asset Management Company, Ltd. (B)	2,884	111,080
HDFC Bank, Ltd.	95,891	1,962,777
HDFC Life Insurance Company, Ltd. (B)	32,478	252,164
Hero MotoCorp, Ltd.	3,712	184,802
Hindalco Industries, Ltd.	41,570	306,322
Hindustan Aeronautics, Ltd.	6,858	231,093
Hindustan Petroleum Corp., Ltd. (A)	20,412	97,629
Hindustan Unilever, Ltd.	27,831	889,097
ICICI Bank, Ltd.	94,927	1,136,407
ICICI Bank, Ltd., ADR	39,970	952,885
ICICI Lombard General Insurance Company, Ltd. (B)	8,129	139,129
ICICI Prudential Life Insurance Company, Ltd. (B)	11,948	76,758
IDFC First Bank, Ltd. (A)	109,678	116,910
Indian Oil Corp., Ltd.	97,345	151,882
Indian Railway Catering & Tourism Corp., Ltd.	7,983	84,657
Indraprastha Gas, Ltd.	10,515	52,771
IndusInd Bank, Ltd.	9,828	188,291
Info Edge India, Ltd.	2,396	147,623
Infosys, Ltd., ADR	112,128	2,060,913
InterGlobe Aviation, Ltd. (A)(B)	4,616	163,779
ITC, Ltd.	100,825	559,534
Jindal Steel & Power, Ltd.	12,058	108,106
Jio Financial Services, Ltd. (A)	102,813	287,441
JSW Steel, Ltd.	20,449	215,553
Jubilant Foodworks, Ltd.	12,635	85,590
Kotak Mahindra Bank, Ltd.	36,972	845,303
Larsen & Toubro, Ltd.	23,020	973,189
LTIMindtree, Ltd. (B)	2,998	226,004
Lupin, Ltd.	6,916	110,063
Macrotech Developers, Ltd. (B)	8,241	101,186
Mahindra & Mahindra, Ltd.	3,422	70,889
Mahindra & Mahindra, Ltd., GDR	28,458	599,657
Marico, Ltd.	17,795	116,978
Maruti Suzuki India, Ltd.	4,543	562,081
Max Healthcare Institute, Ltd.	26,284	216,600
Mphasis, Ltd.	2,547	83,672
MRF, Ltd.	64	99,412
Muthoot Finance, Ltd.	4,018	70,937
Nestle India, Ltd.	1,140	364,827
NTPC, Ltd.	149,156	556,089
Oil & Natural Gas Corp., Ltd.	107,507	265,265

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
One 97 Communications, Ltd. (A)	7,590	\$ 57,896
Page Industries, Ltd.	194	89,945
Persistent Systems, Ltd.	1,709	151,601
Petronet LNG, Ltd.	21,320	57,061
PI Industries, Ltd.	2,778	117,168
Pidilite Industries, Ltd.	5,254	171,015
Polycab India, Ltd.	1,539	101,663
Power Finance Corp., Ltd.	44,577	204,712
Power Grid Corp. of India, Ltd.	158,959	451,720
REC, Ltd.	40,016	197,731
Reliance Industries, Ltd.	20,575	639,112
Reliance Industries, Ltd., GDR (B)	41,748	2,607,139
Samvardhana Motherson International, Ltd.	55,959	68,279
SBI Cards & Payment Services, Ltd.	7,827	71,546
SBI Life Insurance Company, Ltd. (B)	15,378	264,559
Shree Cement, Ltd.	305	105,552
Shriram Finance, Ltd.	9,623	237,649
Siemens, Ltd.	2,378	114,698
Sona BLW Precision Forgings, Ltd. (B)	13,867	107,156
SRF, Ltd.	4,927	146,640
State Bank of India, GDR	5,914	456,253
Sun Pharmaceutical Industries, Ltd.	32,411	490,543
Supreme Industries, Ltd.	2,145	116,460
Suzlon Energy, Ltd. (A)	301,588	138,329
Tata Communications, Ltd.	3,897	82,970
Tata Consultancy Services, Ltd.	30,557	1,394,106
Tata Consumer Products, Ltd.	18,825	246,234
Tata Elxsi, Ltd.	1,170	122,606
Tata Motors, Ltd.	56,196	526,107
Tata Motors, Ltd., Class A, Differential Voting Rights	15,644	97,365
Tata Steel, Ltd., GDR	23,852	390,980
Tech Mahindra, Ltd.	18,130	276,987
The Indian Hotels Company, Ltd.	29,101	153,148
The Tata Power Company, Ltd.	47,830	190,349
Titan Company, Ltd.	11,993	530,840
Torrent Pharmaceuticals, Ltd.	3,534	97,751
Trent, Ltd.	6,052	221,757
Tube Investments of India, Ltd.	3,625	154,143
TVS Motor Company, Ltd.	7,300	177,823
UltraTech Cement, Ltd.	2,921	367,762
UltraTech Cement, Ltd., GDR	1,026	129,499
United Spirits, Ltd.	10,125	135,687
UPL, Ltd.	15,210	107,354
Varun Beverages, Ltd.	15,526	230,663
Vedanta, Ltd.	25,335	78,489
Wipro, Ltd., ADR (D)	44,063	245,431
Yes Bank, Ltd. (A)	334,558	85,984
Zomato, Ltd. (A)	176,473	261,935
		39,648,926
Indonesia - 0.5%		
Adaro Energy Indonesia Tbk PT	315,000	48,651
Amman Mineral Internasional PT (A)	222,800	94,809
Aneka Tambang Tbk	287,300	31,816
Astra International Tbk PT	679,000	249,004
Bank Central Asia Tbk PT	1,896,200	1,158,009
Bank Mandiri Persero Tbk PT	1,268,048	498,137
Bank Negara Indonesia Persero Tbk PT	553,000	192,964
Bank Rakyat Indonesia Persero Tbk PT	2,374,148	882,395
Barito Pacific Tbk PT	1,278,057	110,334
Charoen Pokphand Indonesia Tbk PT	276,000	90,047
GoTo Gojek Tokopedia Tbk PT (A)	28,036,700	156,299
Indah Kiat Pulp & Paper Tbk PT	97,300	52,590
Indofood CBP Sukses Makmur Tbk PT	114,400	78,482
Indofood Sukses Makmur Tbk PT	147,500	61,794

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Indonesia (continued)		
Kalbe Farma Tbk PT	855,000	\$ 89,436
Merdeka Copper Gold Tbk PT (A)	511,905	89,737
Sarana Menara Nusantara Tbk PT	949,300	60,967
Semen Indonesia Persero Tbk PT	126,835	52,713
Sumber Alfaria Trijaya Tbk PT	567,500	107,991
Telkom Indonesia Persero Tbk PT	1,600,100	410,500
Telkom Indonesia Persero Tbk PT, ADR	358	9,222
Unilever Indonesia Tbk PT	332,500	76,218
United Tractors Tbk PT	55,279	81,225
		4,683,340
Ireland - 1.2%		
AerCap Holdings NV (A)	6,800	505,376
AIB Group PLC	53,709	230,022
Bank of Ireland Group PLC	36,548	331,799
CRH PLC (London Stock Exchange)	25,406	1,748,420
DCC PLC	3,819	281,006
Experian PLC	31,438	1,282,522
Flutter Entertainment PLC (A)	819	144,546
Flutter Entertainment PLC (London Stock Exchange) (A)	5,220	926,557
James Hardie Industries PLC, CHESS Depositary Interest (A)	15,679	604,518
Kerry Group PLC, Class A (London Stock Exchange)	5,738	502,164
Kingspan Group PLC	5,232	452,996
PDD Holdings, Inc., ADR (A)	20,400	2,984,724
Smurfit Kappa Group PLC	8,017	318,183
		10,312,833
Israel - 0.4%		
Azrieli Group, Ltd.	1,424	92,105
Bank Hapoalim BM	40,928	367,680
Bank Leumi Le-Israel BM	54,437	438,100
Check Point Software Technologies, Ltd. (A)	3,116	476,094
CyberArk Software, Ltd. (A)	1,300	284,765
Elbit Systems, Ltd.	908	192,578
Global-e Online, Ltd. (A)	3,100	122,853
ICL Group, Ltd.	27,153	136,516
Isracard, Ltd.	1	2
Israel Discount Bank, Ltd., Class A	41,515	207,862
Mizrahi Tefahot Bank, Ltd.	5,543	214,580
Monday.com, Ltd. (A)	900	169,029
Nice, Ltd. (A)	2,200	437,533
Teva Pharmaceutical Industries, Ltd. (A)	33,126	347,898
Teva Pharmaceutical Industries, Ltd., ADR (A)	5,800	60,552
Wix.com, Ltd. (A)	1,900	233,738
		3,781,885
Italy - 1.4%		
Amplifon SpA	4,902	169,857
Assicurazioni Generali SpA	34,297	724,609
Banco BPM SpA	41,434	219,556
Davide Campari-Milano NV	19,587	221,190
DiaSorin SpA	1,028	105,949
Enel SpA	277,871	2,067,304
Eni SpA	80,779	1,370,122
Ferrari NV	4,287	1,447,317
FinecoBank SpA	22,882	344,240
Infrastrutture Wireless Italiane SpA (B)	13,854	175,404
Intesa Sanpaolo SpA	524,796	1,535,757
Leonardo SpA	13,834	228,580
Mediobanca Banca di Credito Finanziario SpA	18,680	231,478
Moncler SpA	6,970	429,137

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
Nexi SpA (A)(B)	17,962	\$ 147,162
Poste Italiane SpA (B)	17,679	200,952
Prysmian SpA	8,627	393,262
Recordati Industria Chimica e Farmaceutica SpA	3,551	191,479
Snam SpA	68,097	350,353
Telecom Italia SpA (A)	387,741	126,154
Terna - Rete Elettrica Nazionale	47,611	397,201
UniCredit SpA	54,904	1,495,016
		12,572,079
Japan - 14.1%		
Advantest Corp.	26,000	876,084
Aeon Company, Ltd.	22,100	493,150
AGC, Inc.	7,300	270,570
Aisin Corp.	4,600	160,362
Ajinomoto Company, Inc.	15,300	588,956
ANA Holdings, Inc. (A)	6,700	145,159
Asahi Group Holdings, Ltd.	16,700	621,848
Asahi Intecc Company, Ltd.	8,900	180,482
Asahi Kasei Corp.	46,700	344,662
Astellas Pharma, Inc.	63,300	752,844
Azbil Corp.	4,200	138,525
Bandai Namco Holdings, Inc.	20,297	405,904
BayCurrent Consulting, Inc.	4,500	157,527
Bridgestone Corp.	19,300	797,117
Brother Industries, Ltd.	8,700	138,548
Canon, Inc.	33,800	867,096
Capcom Company, Ltd.	6,000	193,624
Central Japan Railway Company	24,500	621,817
Chubu Electric Power Company, Inc.	22,000	284,050
Chugai Pharmaceutical Company, Ltd.	22,700	857,569
Concordia Financial Group, Ltd.	39,100	178,225
Dai Nippon Printing Company, Ltd.	8,400	248,061
Daifuku Company, Ltd.	10,500	211,722
Dai-ichi Life Holdings, Inc.	31,800	674,571
Daiichi Sankyo Company, Ltd.	62,600	1,713,783
Daikin Industries, Ltd.	8,900	1,443,758
Daito Trust Construction Company, Ltd.	2,300	266,217
Daiwa House Industry Company, Ltd.	20,800	628,792
Daiwa House REIT Investment Corp.	78	139,089
Daiwa Securities Group, Inc.	45,100	302,719
Denso Corp.	58,800	882,726
Dentsu Group, Inc.	7,500	192,025
Disco Corp.	3,100	765,597
East Japan Railway Company	10,300	592,896
Eisai Company, Ltd.	8,800	438,162
ENEOS Holdings, Inc.	97,611	387,148
FANUC Corp.	32,500	953,847
Fast Retailing Company, Ltd.	6,000	1,483,673
Fuji Electric Company, Ltd.	4,600	197,165
FUJIFILM Holdings Corp.	12,800	767,101
Fujitsu, Ltd.	6,000	902,962
GLP J-REIT	165	164,247
Hamamatsu Photonics KK	4,800	196,933
Hankyu Hanshin Holdings, Inc.	8,400	266,951
Hikari Tsushin, Inc.	800	132,215
Hirose Electric Company, Ltd.	1,223	138,124
Hitachi Construction Machinery Company, Ltd.	4,100	107,928
Hitachi, Ltd.	31,700	2,280,173
Honda Motor Company, Ltd.	156,300	1,612,269
Hoshizaki Corp.	3,800	138,815
Hoya Corp.	12,200	1,519,379
Hulic Company, Ltd.	15,600	162,959
Ibiden Company, Ltd.	3,600	198,597

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Idemitsu Kosan Company, Ltd.	36,030	\$ 195,659
Iida Group Holdings Company, Ltd.	5,000	74,682
Inpex Corp.	32,800	438,921
Isuzu Motors, Ltd.	22,400	287,161
ITOCHU Corp.	40,600	1,654,038
Japan Airlines Company, Ltd.	6,200	121,799
Japan Exchange Group, Inc.	18,100	382,009
Japan Metropolitan Fund Investment Corp.	259	186,947
Japan Post Bank Company, Ltd.	49,900	507,829
Japan Post Holdings Company, Ltd.	74,300	663,311
Japan Post Insurance Company, Ltd.	8,300	147,330
Japan Real Estate Investment Corp.	47	194,437
Japan Tobacco, Inc.	40,900	1,056,251
JFE Holdings, Inc.	18,300	283,123
JSR Corp.	6,000	170,726
Kajima Corp.	14,300	238,441
Kao Corp.	15,800	649,469
Kawasaki Kisen Kaisha, Ltd.	4,700	201,143
KDDI Corp.	50,600	1,604,956
KDX Realty Investment Corp.	142	161,743
Keisei Electric Railway Company, Ltd.	4,800	226,515
Keyence Corp.	6,596	2,897,995
Kikkoman Corp.	5,200	317,755
Kintetsu Group Holdings Company, Ltd.	6,200	196,441
Kirin Holdings Company, Ltd.	26,300	385,035
Kobe Bussan Company, Ltd.	5,500	162,474
Koei Tecmo Holdings Company, Ltd.	3,900	44,429
Koito Manufacturing Company, Ltd.	7,000	108,771
Komatsu, Ltd.	32,000	832,747
Konami Group Corp.	3,700	193,281
Kose Corp.	1,200	89,694
Kubota Corp.	34,300	514,774
Kyocera Corp.	43,600	634,819
Kyowa Kirin Company, Ltd.	9,473	158,947
Lasertec Corp.	2,600	682,569
LY Corp.	99,300	351,153
M3, Inc.	16,200	267,337
Makita Corp.	7,800	214,542
Marubeni Corp.	48,800	768,334
MatsukiyoCocokara & Company	11,700	206,785
Mazda Motor Corp.	20,300	216,988
McDonald's Holdings Company Japan, Ltd.	2,600	112,625
MEIJI Holdings Company, Ltd.	7,400	175,777
MINEBEA MITSUMI, Inc.	12,500	255,850
MISUMI Group, Inc.	9,800	165,461
Mitsubishi Chemical Group Corp.	46,900	286,705
Mitsubishi Corp.	116,400	1,854,167
Mitsubishi Electric Corp.	66,500	940,582
Mitsubishi Estate Company, Ltd.	38,100	522,278
Mitsubishi HC Capital, Inc.	27,500	184,245
Mitsubishi Heavy Industries, Ltd.	10,900	634,643
Mitsubishi UFJ Financial Group, Inc.	390,300	3,349,608
Mitsui & Company, Ltd.	44,400	1,663,400
Mitsui Chemicals, Inc.	6,800	201,090
Mitsui Fudosan Company, Ltd.	30,800	753,051
Mitsui OSK Lines, Ltd.	12,000	383,643
Mizuho Financial Group, Inc.	82,110	1,400,617
MonotaRO Company, Ltd.	9,000	97,932
MS&AD Insurance Group Holdings, Inc.	14,500	570,123
Murata Manufacturing Company, Ltd.	58,800	1,242,561
NEC Corp.	8,800	519,958
Nexon Company, Ltd.	13,200	240,096
Nidec Corp.	14,100	568,331
Nintendo Company, Ltd.	35,200	1,831,593

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nippon Building Fund, Inc.	56	\$ 242,418
Nippon Express Holdings, Inc.	3,100	175,894
Nippon Paint Holdings Company, Ltd.	32,100	258,929
Nippon Prologis REIT, Inc.	80	153,823
Nippon Sanso Holdings Corp.	6,500	173,567
Nippon Steel Corp.	29,200	667,038
Nippon Telegraph & Telephone Corp.	1,020,000	1,245,506
Nippon Yusen KK	16,400	506,490
Nissan Chemical Corp.	4,600	179,118
Nissan Motor Company, Ltd.	86,400	337,818
Nissin Foods Holdings Company, Ltd.	6,600	230,471
Nitori Holdings Company, Ltd.	2,800	375,974
Nitto Denko Corp.	4,800	358,201
Nomura Holdings, Inc.	98,500	443,602
Nomura Real Estate Holdings, Inc.	4,500	118,082
Nomura Real Estate Master Fund, Inc.	151	176,600
Nomura Research Institute, Ltd.	12,546	364,370
NTT Data Group Corp.	22,500	318,052
Obayashi Corp.	22,500	194,364
Obic Company, Ltd.	2,400	412,932
Odakyu Electric Railway Company, Ltd.	10,900	165,983
Oji Holdings Corp.	30,000	115,317
Olympus Corp.	42,200	609,127
Omron Corp.	5,900	274,544
Ono Pharmaceutical Company, Ltd.	14,000	249,053
Open House Group Company, Ltd.	2,700	79,864
Oracle Corp. Japan	1,500	115,469
Oriental Land Company, Ltd.	36,900	1,371,510
ORIX Corp.	41,400	777,541
Osaka Gas Company, Ltd.	13,800	288,068
Otsuka Corp.	3,800	156,389
Otsuka Holdings Company, Ltd.	13,600	508,599
Pan Pacific International Holdings Corp.	12,900	307,078
Panasonic Holdings Corp.	75,000	738,568
Rakuten Group, Inc.	50,500	225,145
Recruit Holdings Company, Ltd.	49,300	2,061,289
Renesas Electronics Corp. (A)	50,200	897,624
Resona Holdings, Inc.	78,000	395,408
Ricoh Company, Ltd.	18,600	142,449
Rohm Company, Ltd.	12,000	229,089
SBI Holdings, Inc.	9,513	213,503
SCSK Corp.	5,400	106,911
Secom Company, Ltd.	7,100	510,776
Seiko Epson Corp.	9,600	143,337
Sekisui Chemical Company, Ltd.	13,400	192,732
Sekisui House, Ltd.	21,400	474,357
Seven & i Holdings Company, Ltd.	25,700	1,016,424
SG Holdings Company, Ltd.	12,400	177,765
Sharp Corp. (A)	7,400	52,670
Shimadzu Corp.	9,000	250,947
Shimano, Inc.	2,600	400,515
Shimizu Corp.	21,600	143,280
Shin-Etsu Chemical Company, Ltd.	61,600	2,576,307
Shionogi & Company, Ltd.	8,800	423,526
Shiseido Company, Ltd.	13,600	409,936
Shizuoka Financial Group, Inc.	17,000	143,752
SMC Corp.	2,000	1,069,872
SoftBank Corp.	97,900	1,220,003
SoftBank Group Corp.	34,800	1,536,019
Sompo Holdings, Inc.	10,600	518,641
Sony Group Corp.	42,800	4,050,289
Square Enix Holdings Company, Ltd.	3,400	121,890
Subaru Corp.	20,800	379,380
SUMCO Corp.	12,900	192,973
Sumitomo Chemical Company, Ltd.	56,000	136,121

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Sumitomo Corp.	35,300	\$ 768,186
Sumitomo Electric Industries, Ltd.	26,200	332,441
Sumitomo Metal Mining Company, Ltd.	9,200	273,220
Sumitomo Mitsui Financial Group, Inc.	42,900	2,087,507
Sumitomo Mitsui Trust Holdings, Inc.	22,600	432,833
Sumitomo Realty & Development Company, Ltd.	10,700	317,084
Suntory Beverage & Food, Ltd.	5,000	164,399
Suzuki Motor Corp.	12,500	532,707
Sysmex Corp.	6,200	344,661
T&D Holdings, Inc.	16,900	268,295
Taisei Corp.	6,600	225,376
Takeda Pharmaceutical Company, Ltd.	54,076	1,550,794
TDK Corp.	13,200	626,002
Terumo Corp.	23,500	768,474
The Chiba Bank, Ltd.	21,600	155,620
The Kansai Electric Power Company, Inc.	24,300	322,512
TIS, Inc.	7,800	171,438
Tobu Railway Company, Ltd.	6,800	182,439
Toho Company, Ltd.	4,067	137,303
Tokio Marine Holdings, Inc.	61,000	1,518,961
Tokyo Electric Power Company Holdings, Inc. (A)	50,400	263,749
Tokyo Electron, Ltd.	16,100	2,861,612
Tokyo Gas Company, Ltd.	13,900	318,848
Tokyu Corp.	17,900	218,256
TOPPAN Holdings, Inc.	8,300	231,152
Toray Industries, Inc.	50,800	263,145
Tosoh Corp.	9,300	118,557
TOTO, Ltd.	4,800	126,095
Toyota Industries Corp.	5,200	422,710
Toyota Motor Corp.	362,500	6,642,348
Toyota Tsusho Corp.	7,200	422,512
Trend Micro, Inc.	4,600	245,502
Unicharm Corp.	13,700	495,493
USS Company, Ltd.	7,770	155,992
West Japan Railway Company	8,200	341,681
Yakult Honsha Company, Ltd.	9,886	221,917
Yamaha Corp.	4,700	108,263
Yamaha Motor Company, Ltd.	30,300	269,620
Yamato Holdings Company, Ltd.	9,000	166,081
Yaskawa Electric Corp.	8,300	345,462
Yokogawa Electric Corp.	7,886	149,897
Zensho Holdings Company, Ltd.	3,100	162,206
ZOZO, Inc.	4,800	108,332
		124,773,390
Jordan - 0.0%		
Hikma Pharmaceuticals PLC	6,907	157,390
Luxembourg - 0.1%		
ArcelorMittal SA	16,337	463,643
Eurofins Scientific SE	4,949	322,835
Reinet Investments SCA	5,229	133,079
Tenaris SA	15,993	278,168
		1,197,725
Macau - 0.0%		
Sands China, Ltd. (A)	92,000	269,281
Malaysia - 0.4%		
AMMB Holdings BHD	59,087	51,537
Axiata Group BHD	101,690	52,645
CELCOMDIGI BHD	110,800	98,277
CIMB Group Holdings BHD	205,428	261,548
Dialog Group BHD	166,000	74,778
Gamuda BHD	63,444	63,363
Genting BHD	72,900	73,271

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Malaysia (continued)		
Genting Malaysia BHD	105,700	\$ 61,852
Hong Leong Bank BHD	23,269	95,691
IHH Healthcare BHD	60,500	79,411
Inari Amertron BHD	98,100	64,185
IOI Corp. BHD	114,466	97,894
Kuala Lumpur Kepong BHD	17,415	82,649
Malayan Banking BHD	185,514	358,831
Malaysia Airports Holdings BHD	34,649	55,504
Maxis BHD	67,200	56,301
MISC BHD	45,780	72,604
Mr. D.I.Y Group M BHD (B)	80,550	25,419
Nestle Malaysia BHD	2,800	71,633
Petronas Chemicals Group BHD	99,800	155,468
Petronas Dagangan BHD	12,200	57,988
Petronas Gas BHD	21,200	80,294
PPB Group BHD	21,240	66,908
Press Metal Aluminium Holdings BHD	120,800	126,392
Public Bank BHD	486,890	454,406
QL Resources BHD	54,400	67,585
RHB Bank BHD	31,506	37,361
Sime Darby BHD	108,224	55,338
Sime Darby Plantation BHD	70,286	68,137
Telekom Malaysia BHD	43,415	52,412
Tenaga Nasional BHD	101,250	221,207
		3,240,889
Mexico - 0.7%		
Alfa SAB de CV, Class A	98,000	78,430
America Movil SAB de CV (A)	639,732	592,979
Arca Continental SAB de CV	16,000	174,284
Banco del Bajío SA (B)	26,400	88,150
Cemex SAB de CV, Series CPO (A)	521,849	405,961
Coca-Cola Femsa SAB de CV	15,212	144,434
Fibra Uno Administracion SA de CV	90,200	162,010
Fomento Economico Mexicano SAB de CV	65,820	858,400
Gruma SAB de CV, Class B	7,685	140,634
Grupo Aeroportuario del Centro Norte SAB de CV	9,800	103,644
Grupo Aeroportuario del Pacifico SAB de CV, B Shares	14,200	249,071
Grupo Aeroportuario del Sureste SAB de CV, B Shares	6,560	192,767
Grupo Bimbo SAB de CV, Series A	44,984	227,450
Grupo Carso SAB de CV, Series A1	19,254	214,548
Grupo Financiero Banorte SAB de CV, Series O	88,162	888,317
Grupo Financiero Inbursa SAB de CV, Series O (A)	77,038	211,003
Grupo Mexico SAB de CV, Series B	104,066	578,396
Industrias Penoles SAB de CV (A)	4,883	71,231
Kimberly-Clark de Mexico SAB de CV, Class A	43,778	98,095
Operadora de Sites Mexicanos SAB de CV, Class A1	63,900	89,598
Orbia Advance Corp. SAB de CV	37,631	83,302
Prologis Property Mexico SA de CV	23,700	112,352
Promotora y Operadora de Infraestructura SAB de CV	5,800	62,594
Wal-Mart de Mexico SAB de CV	177,288	745,338
		6,572,988
Netherlands - 3.1%		
ABN AMRO Bank NV (B)	16,273	244,721
Adyen NV (A)(B)	734	947,549
Aegon, Ltd.	56,988	331,330
Akzo Nobel NV	6,168	510,751

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Netherlands (continued)		
Argenx SE (A)	2,019	\$ 767,963
ASM International NV	1,586	825,471
ASML Holding NV	13,780	10,402,327
ASR Nederland NV	5,398	255,001
BE Semiconductor Industries NV	2,603	392,990
Euronext NV (B)	3,256	282,967
EXOR NV	3,992	399,589
Heineken Holding NV	4,431	375,190
Heineken NV	9,726	988,154
IMCD NV	2,143	373,232
ING Groep NV	122,479	1,836,513
JDE Peet's NV	4,248	114,241
Koninklijke Ahold Delhaize NV	33,016	949,916
Koninklijke KPN NV	112,196	386,529
Koninklijke Philips NV (A)	26,982	631,438
NEPI Rockcastle NV (A)	15,860	108,590
NN Group NV	9,228	364,698
OCI NV	3,599	104,304
Prosus NV (A)	51,621	1,536,460
QIAGEN NV (A)	8,350	363,026
Randstad NV	3,735	234,408
Stellantis NV	40,495	948,822
Stellantis NV (Euronext Paris Exchange)	34,423	806,156
Universal Music Group NV	28,021	799,918
Wolters Kluwer NV	8,721	1,240,730
		27,522,984
New Zealand - 0.2%		
Auckland International Airport, Ltd.	45,310	252,061
Fisher & Paykel Healthcare Corp., Ltd.	20,524	306,084
Mercury NZ, Ltd.	23,949	99,895
Meridian Energy, Ltd.	44,474	155,735
Spark New Zealand, Ltd.	67,539	221,108
Xero, Ltd. (A)	4,614	351,995
		1,386,878
Norway - 0.4%		
Adevinta ASA (A)	11,954	132,066
Aker BP ASA	10,753	312,349
DNB Bank ASA	30,942	657,866
Equinor ASA	30,424	964,197
Gjensidige Forsikring ASA	6,934	127,959
Kongsberg Gruppen ASA	3,055	139,861
Mowi ASA	14,928	267,327
Norsk Hydro ASA	48,185	323,881
Orkla ASA	29,206	226,806
Salmar ASA	2,012	112,682
Telenor ASA	26,898	308,700
Yara International ASA	5,667	201,329
		3,775,023
Peru - 0.1%		
Cia de Minas Buenaventura SAA, ADR	8,064	122,895
Credicorp, Ltd.	2,434	364,930
		487,825
Philippines - 0.2%		
Aboitiz Equity Ventures, Inc.	85,070	68,498
Ayala Corp.	8,920	109,676
Ayala Land, Inc.	253,800	157,764
Bank of the Philippine Islands	67,611	126,667
BDO Unibank, Inc.	92,568	218,083
International Container Terminal Services, Inc.	33,760	150,478
JG Summit Holdings, Inc.	89,355	61,547
Jollibee Foods Corp.	18,900	85,772
Manila Electric Company	8,090	58,271
Metropolitan Bank & Trust Company	65,642	60,802

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Philippines (continued)		
PLDT, Inc.	3,730	\$ 86,139
SM Investments Corp.	8,302	130,676
SM Prime Holdings, Inc.	311,044	184,755
Universal Robina Corp.	30,280	64,577
		<hr/> 1,563,705
Poland - 0.3%		
Allegro.eu SA (A)(B)	18,064	152,897
Bank Polska Kasa Opieki SA	5,522	213,498
Budimex SA	436	69,375
CD Projekt SA	2,349	68,675
Cyfrowy Polsat SA (A)	6,360	19,931
Dino Polska SA (A)(B)	1,719	201,270
KGHM Polska Miedz SA	5,681	177,212
LPP SA	42	172,880
mBank SA (A)	508	69,074
ORLEN SA	19,842	330,370
PGE Polska Grupa Energetyczna SA (A)	26,654	58,800
Powszechna Kasa Oszczednosci Bank Polski SA (A)	32,873	420,572
Powszechny Zaklad Ubezpiezen SA	23,000	276,270
Santander Bank Polska SA	1,219	151,801
		<hr/> 2,382,625
Portugal - 0.1%		
EDP - Energias de Portugal SA	107,266	539,869
Galp Energia SGPS SA	18,673	274,748
Jeronimo Martins SGPS SA	9,675	246,233
		<hr/> 1,060,850
Russia - 0.0%		
Gazprom PJSC, ADR (A)(E)	3,680	405
Gazprom PJSC, ADR (London Stock Exchange) (A)(E)	251,662	27,683
LUKOIL PJSC, ADR (A)(E)	23,756	46,562
MMC Norilsk Nickel PJSC, ADR (A)(E)	39,185	21,552
Mobile TeleSystems PJSC, ADR (A)(E)	20,264	3,850
Novatek PJSC, GDR (A)(E)	3,057	15,193
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	14,000
Sberbank of Russia PJSC, ADR (London Stock Exchange) (A)(E)	34,900	12,329
Severstal PAO, GDR (A)(E)	4,250	1,913
Surgutneftegas PJSC, ADR (A)(E)	22,274	3,341
Surgutneftegas PJSC, ADR (London Stock Exchange) (A)(E)	23,070	2,307
Tatneft PJSC, ADR (A)(E)	7,986	8,146
VTB Bank PJSC, GDR (A)(E)	50,760	1,015
		<hr/> 197,427
Saudi Arabia - 1.1%		
ACWA Power Company	2,748	188,337
Advanced Petrochemical Company	4,529	47,614
Al Rajhi Bank	67,083	1,555,387
Alinma Bank	34,699	358,310
Almarai Company JSC	8,852	132,622
Arab National Bank	21,244	143,554
Arabian Internet & Communications Services Company	812	74,920
Bank AlBilad	17,420	208,564
Bank Al-Jazira (A)	14,284	71,187
Banque Saudi Fransi	19,205	204,768
Bupa Arabia for Cooperative Insurance Company	2,820	160,227
Dallah Healthcare Company	1,169	53,494

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Saudi Arabia (continued)		
Dar Al Arkan Real Estate Development Company (A)	18,814	\$ 69,788
Dr Sulaiman Al Habib Medical Services Group Company	2,961	224,104
Elm Company	812	176,395
Ethiad Etisalat Company	13,413	176,716
Jarir Marketing Company	20,900	87,152
Mobile Telecommunications Company Saudi Arabia	15,053	56,704
Mouwasat Medical Services Company	3,348	99,762
Nahdi Medical Company	1,333	48,671
National Industrialization Company (A)	11,652	38,205
Power & Water Utility Company for Jubail & Yanbu	2,564	42,839
Rabigh Refining & Petrochemical Company (A)	14,852	41,238
Riyad Bank	50,248	382,315
SABIC Agri-Nutrients Company	7,973	293,667
Sahara International Petrochemical Company	12,775	115,873
Saudi Arabian Mining Company (A)	45,750	537,418
Saudi Arabian Oil Company (B)	92,548	814,807
Saudi Aramco Base Oil Company	1,730	65,237
Saudi Awwal Bank	34,070	341,396
Saudi Basic Industries Corp.	30,455	676,053
Saudi Electricity Company	29,505	149,143
Saudi Industrial Investment Group	7,839	46,355
Saudi Kayan Petrochemical Company (A)	26,130	75,633
Saudi Research & Media Group (A)	1,230	56,033
Saudi Tadawul Group Holding Company	1,623	79,436
Saudi Telecom Company	67,677	730,518
The Company for Cooperative Insurance	2,068	71,891
The Saudi Investment Bank	16,741	70,949
The Saudi National Bank	100,443	1,035,889
The Savola Group	92,302	92,652
Yanbu National Petrochemical Company	7,999	80,986
		<hr/> 9,976,809
Singapore - 0.9%		
BOC Aviation, Ltd. (B)	7,400	56,639
CapitalLand Ascendas REIT	117,802	270,070
CapitalLand Integrated Commercial Trust	183,231	285,619
CapitalLand Investment, Ltd.	93,902	224,508
City Developments, Ltd.	16,600	83,581
DBS Group Holdings, Ltd.	61,654	1,559,158
Genting Singapore, Ltd.	226,200	171,337
Grab Holdings, Ltd., Class A (A)	63,200	212,984
Jardine Cycle & Carriage, Ltd.	3,400	76,627
JOYY, Inc., ADR	2,000	79,400
Keppel Corp., Ltd.	55,069	294,664
Mapletree Logistics Trust	124,150	163,468
Mapletree Pan Asia Commercial Trust	89,600	106,449
Oversea-Chinese Banking Corp., Ltd.	115,002	1,131,552
Sea, Ltd., ADR (A)	12,200	494,100
Seatrium, Ltd. (A)	1,516,093	135,375
Sembcorp Industries, Ltd.	30,200	121,389
Singapore Airlines, Ltd.	45,550	226,171
Singapore Exchange, Ltd.	30,900	229,877
Singapore Technologies Engineering, Ltd.	61,500	181,099
Singapore Telecommunications, Ltd.	294,940	552,129
United Overseas Bank, Ltd.	42,208	910,984
UOL Group, Ltd.	20,239	96,145
Wilmar International, Ltd.	72,000	194,499
		<hr/> 7,857,824
South Africa - 0.8%		
Absa Group, Ltd.	27,515	245,562

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Africa (continued)		
Anglo American Platinum, Ltd.	1,813	\$ 95,159
Aspen Pharmacare Holdings, Ltd.	13,036	145,419
Bid Corp., Ltd.	11,078	258,404
Capitec Bank Holdings, Ltd.	2,975	331,936
Clicks Group, Ltd.	8,355	149,745
Discovery, Ltd.	16,080	125,549
Exxaro Resources, Ltd.	8,997	101,009
FirstRand, Ltd.	172,480	691,988
Gold Fields, Ltd.	29,492	447,524
Harmony Gold Mining Company, Ltd.	18,873	122,928
Impala Platinum Holdings, Ltd.	28,968	143,854
Kumba Iron Ore, Ltd.	2,164	72,535
MTN Group, Ltd.	59,164	373,192
Naspers, Ltd., N Shares	6,632	1,135,200
Nedbank Group, Ltd.	15,440	182,263
Northam Platinum Holdings, Ltd.	11,870	89,941
Old Mutual, Ltd.	182,601	127,999
OUTsurance Group, Ltd.	28,715	65,860
Pepkor Holdings, Ltd. (B)	56,996	61,146
Remgro, Ltd.	17,781	157,253
Sanlam, Ltd.	59,860	238,772
Sasol, Ltd.	19,396	195,467
Shoprite Holdings, Ltd.	16,492	247,413
Sibanye Stillwater, Ltd.	101,051	135,482
Standard Bank Group, Ltd.	43,543	496,426
The Bidvest Group, Ltd.	9,718	134,150
Vodacom Group, Ltd.	21,952	127,356
Woolworths Holdings, Ltd.	33,746	132,582
		6,832,114
South Korea - 3.3%		
Amorepacific Corp. (A)	975	109,375
Celltrion Healthcare Company, Ltd. (A)(E)	3,300	193,846
Celltrion Pharm, Inc. (A)	627	44,726
Celltrion, Inc.	3,753	586,059
CJ CheilJedang Corp.	210	52,707
CosmoAM&T Company, Ltd. (A)	818	92,757
Coway Company, Ltd. (A)	2,324	102,789
DB Insurance Company, Ltd. (A)	1,122	72,664
Doosan Bobcat, Inc.	1,103	42,966
Doosan Enerbility Company, Ltd. (A)	15,327	188,310
Ecopro BM Company, Ltd. (A)	1,656	367,270
Ecopro Company, Ltd. (A)	674	335,838
F&F Company, Ltd. (A)	575	39,691
GS Holdings Corp.	1,749	55,373
Hana Financial Group, Inc.	9,993	335,211
Hankook Tire & Technology Company, Ltd. (A)	1,937	68,079
Hanmi Pharm Company, Ltd.	152	41,462
Hanmi Semiconductor Company, Ltd.	1,497	71,130
Hanon Systems	4,656	26,227
Hanwha Aerospace Company, Ltd. (A)	1,199	115,668
Hanwha Ocean Company, Ltd. (A)	1,972	38,268
Hanwha Solutions Corp. (A)	3,077	93,522
HD Hyundai Company, Ltd.	1,555	76,218
HD Hyundai Heavy Industries Company, Ltd.	609	60,751
HD Korea Shipbuilding & Offshore Engineering Company, Ltd.	1,127	105,408
HLB, Inc. (A)	3,222	126,232
HMM Company, Ltd. (A)	8,540	129,563
Hotel Shilla Company, Ltd. (A)	1,060	53,637
HYBE Company, Ltd.	560	101,119
Hyundai Engineering & Construction Company, Ltd. (A)	2,649	71,506
Hyundai Glovis Company, Ltd. (A)	539	79,866

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Hyundai Mipo Dockyard Company, Ltd.	819	\$ 53,742
Hyundai Mobis Company, Ltd.	2,223	407,283
Hyundai Motor Company	4,857	764,031
Hyundai Steel Company (A)	2,875	81,023
Industrial Bank of Korea (A)	9,540	87,687
JYP Entertainment Corp. (A)	959	75,104
Kakao Corp. (A)	10,511	440,933
KakaoBank Corp. (A)	5,704	125,601
Kakaopay Corp. (A)	917	34,864
Kangwon Land, Inc. (A)	3,612	44,760
KB Financial Group, Inc.	12,892	537,877
KB Financial Group, Inc., ADR (D)	430	17,789
Kia Corp. (A)	8,833	683,085
Korea Aerospace Industries, Ltd. (A)	1,710	66,198
Korea Electric Power Corp.	6,370	93,313
Korea Electric Power Corp., ADR	4,277	31,008
Korea Investment Holdings Company, Ltd. (A)	1,170	55,415
Korea Zinc Company, Ltd.	350	134,726
Korean Air Lines Company, Ltd. (A)	6,728	124,300
Krafton, Inc. (A)	992	148,598
KT Corp.	2,204	58,767
KT&G Corp.	3,484	234,711
Kum Yang Company, Ltd. (A)	1,091	91,513
Kumho Petrochemical Company, Ltd. (A)	614	63,053
L&F Company, Ltd. (A)	748	117,410
LG Chem, Ltd. (A)	1,689	649,629
LG Corp. (A)	2,922	194,179
LG Display Company, Ltd.	5,471	53,866
LG Display Company, Ltd., ADR (D)	2,417	11,650
LG Electronics, Inc.	3,973	312,429
LG Energy Solution, Ltd. (A)	1,580	521,425
LG H&H Company, Ltd. (A)	358	98,338
LG Innotek Company, Ltd. (A)	575	106,502
LG Uplus Corp.	9,062	71,869
Lotte Chemical Corp. (A)	674	79,857
Meritz Financial Group, Inc. (A)	3,559	162,829
Mirae Asset Securities Company, Ltd. (A)	7,084	41,833
NAVER Corp.	4,486	776,169
NCSOFT Corp. (A)	550	102,295
Netmarble Corp. (A)(B)	515	23,108
NH Investment & Securities Company, Ltd. (A)	3,944	31,544
Orion Corp. (A)	569	51,062
Pearl Abyss Corp. (A)	1,020	30,536
Posco DX Company, Ltd. (A)	1,819	104,001
POSCO Future M Company, Ltd. (A)	1,059	292,472
POSCO Holdings, Inc.	2,484	955,075
Posco International Corp. (A)	1,782	85,665
Samsung Biologics Company, Ltd. (A)(B)	586	344,732
Samsung C&T Corp. (A)	2,732	274,043
Samsung Electro-Mechanics Company, Ltd. (A)	1,863	220,722
Samsung Electronics Company, Ltd.	163,250	9,908,759
Samsung Engineering Company, Ltd. (A)	5,310	118,951
Samsung Fire & Marine Insurance Company, Ltd. (A)	1,218	248,151
Samsung Heavy Industries Company, Ltd. (A)	20,659	123,837
Samsung Life Insurance Company, Ltd.	2,349	125,670
Samsung SDI Company, Ltd.	1,864	678,665
Samsung SDS Company, Ltd. (A)	1,322	173,854
Samsung Securities Company, Ltd.	1,475	43,941
Shinhan Financial Group Company, Ltd.	14,320	443,972

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Shinhan Financial Group Company, Ltd., ADR (D)	350	\$ 10,773
SK Biopharmaceuticals Company, Ltd. (A)	1,071	83,165
SK Bioscience Company, Ltd. (A)	763	42,505
SK Hynix, Inc.	18,713	2,042,299
SK IE Technology Company, Ltd. (A)(B)	601	36,568
SK Innovation Company, Ltd. (A)	2,041	220,872
SK Square Company, Ltd. (A)	3,395	137,974
SK Telecom Company, Ltd.	1,870	72,649
SK, Inc.	1,269	174,677
SKC Company, Ltd. (A)	859	60,067
S-Oil Corp.	1,876	101,019
Woori Financial Group, Inc.	20,798	209,332
Yuhan Corp. (A)	1,427	76,081
		<hr/> 29,180,640
Spain - 1.7%		
Acciona SA	843	124,127
ACS Actividades de Construccion y Servicios SA	7,419	329,513
Aena SME SA (B)	2,540	461,037
Amadeus IT Group SA	15,345	1,102,100
Banco Bilbao Vizcaya Argentaria SA	201,453	1,836,091
Banco Santander SA	523,680	2,190,383
Banco Santander SA (Mexican Stock Exchange)	22,856	93,141
CaixaBank SA	139,744	575,512
Cellnex Telecom SA (A)(B)	18,545	730,171
Corp ACCIONA Energias Renovables SA	2,249	69,800
EDP Renovaveis SA	9,513	194,743
EDP Renovaveis SA (BX Swiss Exchange)	126	2,568
Enagas SA	9,787	165,100
Endesa SA	12,378	252,524
Ferrovial SE	17,246	629,493
Grifols SA (A)	11,763	201,234
Iberdrola SA	206,216	2,704,885
Industria de Diseno Textil SA	37,098	1,618,733
Naturgy Energy Group SA	4,969	148,211
Redeia Corp. SA	13,732	226,284
Repsol SA	44,917	666,294
Telefonica SA (D)	183,426	717,171
		<hr/> 15,039,115
Sweden - 2.0%		
Alfa Laval AB	9,840	393,935
Assa Abloy AB, B Shares	34,547	995,616
Atlas Copco AB, A Shares	92,584	1,595,325
Atlas Copco AB, B Shares	53,800	798,184
Beijer Ref AB	11,397	152,936
Boliden AB	9,749	305,139
Epiroc AB, A Shares	22,715	457,228
Epiroc AB, B Shares	14,979	262,699
EQT AB	12,034	340,726
Essity AB, B Shares	20,983	520,004
Evolution AB (B)	6,247	744,083
Fastighets AB Balder, B Shares (A)	24,258	172,035
Getinge AB, B Shares	8,639	192,369
Hennes & Mauritz AB, B Shares	22,261	390,459
Hexagon AB, B Shares	70,969	852,430
Holmen AB, B Shares	3,205	135,369
Husqvarna AB, B Shares	14,199	117,121
Industrivarden AB, A Shares	5,394	176,350
Industrivarden AB, C Shares	6,375	208,016
Indutrade AB	9,332	243,216
Investment AB Latour, B Shares	5,009	130,666
Investor AB, B Shares	58,569	1,358,199
L.E. Lundbergforetagen AB, B Shares	3,102	168,925

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Lifco AB, B Shares	7,888	\$ 193,657
Nibe Industrier AB, B Shares	51,776	363,593
Saab AB, B Shares	2,710	163,315
Sagax AB, B Shares	6,422	176,763
Sandvik AB	36,214	786,762
Securitas AB, B Shares	20,108	197,139
Skandinaviska Enskilda Banken AB, A Shares	53,588	739,552
Skanska AB, B Shares	12,918	234,043
SKF AB, B Shares	11,531	231,088
Svenska Cellulosa AB SCA, B Shares	20,883	313,714
Svenska Handelsbanken AB, A Shares	50,274	546,350
Swedbank AB, A Shares	28,754	581,339
Swedish Orphan Biovitrum AB (A)	6,595	175,067
Tele2 AB, B Shares	17,728	152,384
Telefonaktiebolaget LM Ericsson, B Shares	100,604	633,119
Telia Company AB	91,625	233,775
Volvo AB, A Shares	8,008	212,468
Volvo AB, B Shares	51,555	1,341,461
Volvo Car AB, B Shares (A)	20,359	66,028
		<hr/> 18,052,647
Switzerland - 6.6%		
ABB, Ltd.	54,682	2,427,780
Adecco Group AG	6,058	297,530
Alcon, Inc.	17,168	1,343,156
Avolta AG (A)	3,335	131,303
Bachem Holding AG	1,275	98,738
Baloise Holding AG	1,556	243,963
Banque Cantonale Vaudoise	1,029	132,709
Barry Callebaut AG	136	229,592
BKW AG	721	128,242
Chocoladefabriken Lindt & Spruengli AG	4	485,275
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	34	408,123
Cie Financiere Richemont SA, A Shares	17,834	2,463,306
Clariant AG (A)	8,258	122,010
Coca-Cola HBC AG (A)	8,067	236,871
DSM-Firmenich AG	6,357	646,464
EMS-Chemie Holding AG	241	195,410
Geberit AG	1,129	724,726
Givaudan SA	317	1,314,508
Glencore PLC	361,179	2,171,061
Helvetia Holding AG	1,256	173,186
Holcim, Ltd. (A)	17,601	1,382,408
Julius Baer Group, Ltd.	7,301	409,572
Kuehne + Nagel International AG	1,851	638,774
Logitech International SA	5,565	529,167
Lonza Group AG	2,544	1,072,516
Nestle SA	91,268	10,579,776
Novartis AG	70,065	7,077,300
Partners Group Holding AG	768	1,110,491
Roche Holding AG	24,015	6,981,006
Roche Holding AG, Bearer Shares	1,094	339,934
Sandoz Group AG (A)	13,872	446,319
Schindler Holding AG	806	191,410
Schindler Holding AG, Participation Certificates	1,378	344,989
SGS SA	5,077	438,302
SIG Group AG (A)	10,451	240,697
Sika AG	5,211	1,699,183
Sonova Holding AG	1,838	601,114
Straumann Holding AG	3,800	614,091
Swiss Life Holding AG	1,050	729,701
Swiss Prime Site AG	2,598	277,579
Swiss Re AG	10,244	1,152,762

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Swisscom AG	886	\$ 533,256
Temenos AG	2,556	238,189
The Swatch Group AG	2,395	125,568
The Swatch Group AG, Bearer Shares	986	268,281
UBS Group AG	112,426	3,492,130
VAT Group AG (B)	914	459,064
Zurich Insurance Group AG	5,140	2,687,332
		58,634,864
Taiwan - 4.2%		
Accton Technology Corp.	17,000	288,945
Acer, Inc.	99,018	173,258
Advantech Company, Ltd.	14,623	176,959
Airtac International Group	4,185	137,511
Alchip Technologies, Ltd.	3,000	318,775
ASE Technology Holding Company, Ltd.	103,338	452,852
Asia Cement Corp.	72,863	98,398
Asustek Computer, Inc.	23,952	381,200
AUO Corp. (A)	219,061	129,360
Catcher Technology Company, Ltd.	19,184	121,137
Cathay Financial Holding Company, Ltd. (A)	326,373	486,233
Chailease Holding Company, Ltd.	48,200	302,877
Chang Hwa Commercial Bank, Ltd.	185,903	108,367
Cheng Shin Rubber Industry Company, Ltd.	66,680	97,442
China Airlines, Ltd.	94,000	66,186
China Development Financial Holding Corp. (A)	504,133	206,025
China Steel Corp.	398,388	350,341
Chunghwa Telecom Company, Ltd.	127,148	497,462
Compal Electronics, Inc.	139,764	181,038
CTBC Financial Holding Company, Ltd.	586,465	541,193
Delta Electronics, Inc.	64,866	661,531
E Ink Holdings, Inc.	29,000	185,688
E.Sun Financial Holding Company, Ltd.	474,218	398,403
Eclat Textile Company, Ltd.	6,259	114,383
eMemory Technology, Inc.	2,000	159,029
Eva Airways Corp.	86,000	88,009
Evergreen Marine Corp. Taiwan, Ltd.	33,826	157,911
Far Eastern New Century Corp.	99,875	101,485
Far EasTone Telecommunications Company, Ltd.	45,159	117,436
Feng TAY Enterprise Company, Ltd.	16,262	92,637
First Financial Holding Company, Ltd.	364,543	325,278
Formosa Chemicals & Fibre Corp.	117,212	237,809
Formosa Petrochemical Corp.	39,720	104,384
Formosa Plastics Corp.	128,086	330,394
Fubon Financial Holding Company, Ltd.	264,897	558,820
Gigabyte Technology Company, Ltd.	17,000	146,652
Global Unichip Corp.	3,000	169,573
Globalwafers Company, Ltd.	7,000	133,589
Hon Hai Precision Industry Company, Ltd.	421,368	1,433,594
Hotai Motor Company, Ltd.	10,200	235,330
Hua Nan Financial Holdings Company, Ltd.	296,225	215,572
Innolux Corp. (A)	237,154	110,282
Inventec Corp.	89,899	153,947
Largan Precision Company, Ltd.	3,143	293,564
Lite-On Technology Corp.	67,626	256,788
MediaTek, Inc.	51,340	1,695,242
Mega Financial Holding Company, Ltd.	375,189	478,742
Micro-Star International Company, Ltd.	23,000	152,613
momo.com, Inc.	2,640	43,711
Nan Ya Plastics Corp.	160,992	348,621
Nan Ya Printed Circuit Board Corp.	8,000	65,418

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Nanya Technology Corp.	37,000	\$ 93,901
Nien Made Enterprise Company, Ltd.	5,000	57,453
Novatek Microelectronics Corp.	19,361	325,638
Pegatron Corp.	66,989	190,346
PharmaEssentia Corp. (A)	7,000	78,826
Pou Chen Corp.	78,641	79,134
Powerchip Semiconductor Manufacturing Corp.	91,000	87,189
President Chain Store Corp.	19,496	171,140
Quanta Computer, Inc.	90,771	660,851
Realtek Semiconductor Corp.	14,999	230,009
Ruentex Development Company, Ltd. (A)	51,840	63,658
Shin Kong Financial Holding Company, Ltd. (A)	411,790	118,655
SinoPac Financial Holdings Company, Ltd.	355,369	227,960
Synnex Technology International Corp.	41,928	95,849
Taishin Financial Holding Company, Ltd.	373,535	220,117
Taiwan Business Bank	210,944	94,070
Taiwan Cement Corp.	232,594	264,014
Taiwan Cooperative Financial Holding Company, Ltd.	320,260	278,538
Taiwan High Speed Rail Corp.	66,000	65,978
Taiwan Mobile Company, Ltd.	55,257	177,485
Taiwan Semiconductor Manufacturing Company, Ltd.	842,227	16,146,792
The Shanghai Commercial & Savings Bank, Ltd.	120,142	183,089
Unimicron Technology Corp.	47,000	268,534
Uni-President Enterprises Corp.	161,487	391,789
United Microelectronics Corp.	380,313	647,988
Vanguard International Semiconductor Corp.	31,000	82,174
Voltronic Power Technology Corp.	2,000	111,226
Walsin Lihwa Corp.	87,735	110,269
Wan Hai Lines, Ltd.	22,770	40,736
Winbond Electronics Corp.	106,100	105,015
Wistron Corp.	88,000	281,521
Wiwynn Corp.	3,000	177,632
WPG Holdings, Ltd.	47,840	127,098
Yageo Corp.	10,015	194,466
Yang Ming Marine Transport Corp.	60,000	100,146
Yuanta Financial Holding Company, Ltd.	339,600	305,099
Zhen Ding Technology Holding, Ltd.	19,000	67,357
		37,603,736
Thailand - 0.5%		
Advanced Info Service PCL	40,400	256,718
Airports of Thailand PCL	144,700	253,097
Bangkok Dusit Medical Services PCL, NVDR	387,300	314,529
Bangkok Expressway & Metro PCL, NVDR	354,600	82,530
Banpu PCL, NVDR	273,700	54,406
Berli Jucker PCL, NVDR	21,300	15,582
BTS Group Holdings PCL, NVDR	301,600	63,980
Bumrungrad Hospital PCL, NVDR	15,600	101,362
Central Pattana PCL, NVDR	64,400	131,851
Central Retail Corp. PCL	45,441	54,501
Charoen Pokphand Foods PCL	136,200	78,052
CP ALL PCL	184,600	302,403
CP ALL PCL, NVDR	12,300	20,149
CP Aextra PCL, NVDR	71,600	56,582
Delta Electronics Thailand PCL, NVDR	105,500	271,188
Energy Absolute PCL	56,900	73,577
Global Power Synergy PCL, NVDR	24,100	34,161
Gulf Energy Development PCL, NVDR	79,150	103,016

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thailand (continued)		
Home Product Center PCL	204,400	\$ 69,980
Indorama Ventures PCL, NVDR	54,900	43,770
Intouch Holdings PCL, NVDR	32,900	68,854
Kasikornbank PCL, NVDR	20,000	79,009
Krung Thai Bank PCL	164,375	88,510
Krunghai Card PCL	30,800	39,182
Land & Houses PCL, NVDR	393,400	93,855
Minor International PCL, NVDR	131,483	113,473
Muangthai Capital PCL, NVDR	11,300	14,853
PTT Exploration & Production PCL	47,147	205,372
PTT Global Chemical PCL	87,373	98,331
PTT Oil & Retail Business PCL, NVDR	102,500	57,269
PTT PCL	329,000	343,945
PTT PCL, NVDR	10,500	10,977
SCB X PCL	23,348	72,435
SCG Packaging PCL, NVDR	44,000	46,310
Thai Oil PCL	50,886	79,758
The Siam Cement PCL	12,000	107,461
The Siam Cement PCL, NVDR	14,300	128,058
TMBThanachart Bank PCL, NVDR	829,800	40,559
True Corp. PCL	269,362	39,791
		4,109,436
Turkey - 0.2%		
Akbank TAS	100,286	124,030
Aselsan Elektronik Sanayi Ve Ticaret AS	46,762	71,434
BIM Birlesik Magazalar AS	16,428	167,550
Eregli Demir ve Celik Fabrikalari TAS (A)	49,091	68,243
Ford Otomotiv Sanayi AS	2,390	59,951
Haci Omer Sabanci Holding AS	34,855	71,353
Hektas Ticaret TAS (A)	38,876	26,465
KOC Holding AS	25,423	122,070
Pegasus Hava Tasimaciligi AS (A)	1,574	34,647
Sasa Polyester Sanayi AS (A)	35,185	43,425
Tofas Turk Otomobil Fabrikasi AS	4,273	30,416
Turk Hava Yollari AO (A)	18,859	146,113
Turkcell Iletisim Hizmetleri AS	38,572	73,324
Turkiye Is Bankasi AS, Class C	134,602	106,354
Turkiye Petrol Rafinerileri AS	34,986	169,435
Turkiye Sise ve Cam Fabrikalari AS	47,094	73,094
Yapi ve Kredi Bankasi AS	100,953	66,727
		1,454,631
United Arab Emirates - 0.0%		
NMC Health PLC (A)(E)	4,471	0
United Kingdom - 8.5%		
3i Group PLC	33,057	1,017,477
abrdn PLC	67,699	153,918
Admiral Group PLC	8,900	304,277
Anglo American PLC	42,911	1,073,920
AngloGold Ashanti PLC	14,430	277,079
Ashtead Group PLC	14,934	1,038,019
Associated British Foods PLC	11,883	358,142
AstraZeneca PLC	52,980	7,146,459
Auto Trader Group PLC (B)	31,085	285,567
Aviva PLC	96,832	535,813
BAE Systems PLC	103,325	1,462,481
Barclays PLC	540,046	1,057,445
Barratt Developments PLC	38,692	277,170
BP PLC	585,967	3,473,651
British American Tobacco PLC	71,745	2,099,198
BT Group PLC	237,392	374,031
Bunzl PLC	11,428	464,382
Burberry Group PLC	13,108	236,428
Centrica PLC	192,412	344,937
Coca-Cola Europacific Partners PLC	6,887	457,959

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Compass Group PLC	59,046	\$ 1,615,693
Croda International PLC	5,146	331,011
Diageo PLC	76,297	2,769,210
Endeavour Mining PLC	6,282	140,567
Entain PLC	21,740	274,164
GSK PLC	138,567	2,559,219
Haleon PLC	189,397	775,442
Halma PLC	13,950	405,608
Hargreaves Lansdown PLC	13,764	128,638
HSBC Holdings PLC	667,549	5,400,442
Imperial Brands PLC	29,156	671,398
Informa PLC	48,542	482,818
InterContinental Hotels Group PLC	5,955	536,997
Intertek Group PLC	6,021	325,956
J Sainsbury PLC	55,808	215,163
JD Sports Fashion PLC	87,670	185,013
Kingfisher PLC	65,606	203,272
Land Securities Group PLC	25,882	232,276
Legal & General Group PLC	202,129	645,941
Lloyds Banking Group PLC	2,174,830	1,319,113
London Stock Exchange Group PLC	14,236	1,682,858
M&G PLC	75,877	214,740
Melrose Industries PLC	45,639	329,896
Mondi PLC	13,861	271,186
Mondi PLC (Johannesburg Stock Exchange)	4,137	81,692
National Grid PLC	126,026	1,697,735
NatWest Group PLC	195,705	545,117
Next PLC	4,131	427,041
Ocado Group PLC (A)	19,565	188,997
Pearson PLC	23,325	286,499
Pepco Group NV (A)	5,907	39,104
Persimmon PLC	11,973	211,637
Phoenix Group Holdings PLC	27,163	184,956
Reckitt Benckiser Group PLC	24,469	1,688,442
RELX PLC	41,592	1,650,112
RELX PLC (Euronext Amsterdam Exchange)	22,799	903,327
Rentokil Initial PLC	85,275	480,632
Rio Tinto PLC	38,490	2,862,926
Rolls-Royce Holdings PLC (A)	284,201	1,084,047
Schroders PLC	29,188	159,593
Segro PLC	39,864	449,556
Severn Trent PLC	9,413	309,542
Shell PLC	226,405	7,411,153
Smith & Nephew PLC	29,554	405,985
Smiths Group PLC	12,075	271,028
Spirax-Sarco Engineering PLC	2,735	365,931
SSE PLC	36,760	867,755
St. James's Place PLC	20,193	175,685
Standard Chartered PLC	80,099	679,731
Taylor Wimpey PLC	139,593	261,306
Tesco PLC	247,643	917,449
The Berkeley Group Holdings PLC	4,051	241,849
The Sage Group PLC	34,459	514,431
Unilever PLC	84,932	4,111,640
United Utilities Group PLC	23,160	312,851
Vodafone Group PLC	776,383	678,046
Whitbread PLC	6,683	311,142
Wise PLC, Class A (A)	20,804	231,371
WPP PLC	36,478	348,433
		75,511,715
United States - 0.2%		
BeiGene, Ltd. (A)	23,300	324,886
Brookfield Renewable Corp., Class A	5,150	148,237

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
Legend Biotech Corp., ADR (A)	2,500	\$ 150,425
Parade Technologies, Ltd.	3,000	116,941
RB Global, Inc.	6,100	408,201
Southern Copper Corp.	2,874	247,365
		1,396,055
TOTAL COMMON STOCKS (Cost \$637,173,109)		\$ 845,538,006
PREFERRED SECURITIES - 0.9%		
Brazil - 0.4%		
Banco Bradesco SA	179,381	625,536
Banco BTG Pactual SA	4	8
Centrais Eletricas Brasileiras SA, B Shares	5,700	55,166
Cia Energetica de Minas Gerais	47,171	111,872
Cia Paranaense de Energia, B Shares	32,500	57,781
Gerdau SA	45,780	221,529
Itau Unibanco Holding SA	164,589	1,145,128
Itausa SA	181,522	387,078
Petroleo Brasileiro SA	165,151	1,260,071
		3,864,169
Germany - 0.3%		
Bayerische Motoren Werke AG	2,090	207,961
Dr. Ing. h.c. F. Porsche AG (B)	3,890	342,619
Henkel AG & Company KGaA	5,727	460,691
Porsche Automobil Holding SE	5,695	291,024
Sartorius AG	833	305,894
Volkswagen AG	6,978	860,081
		2,468,270
South Korea - 0.2%		
Hyundai Motor Company	705	62,007
Hyundai Motor Company, 2nd Preferred	1,197	105,985
LG Chem, Ltd. (A)	162	38,879
Samsung Electronics Company, Ltd.	28,139	1,355,920
		1,562,791
TOTAL PREFERRED SECURITIES (Cost \$7,327,909)		\$ 7,895,230
RIGHTS - 0.0%		
Localiza Rent a Car SA (Expiration Date: 2-6-24; Strike Price: BRL 45.35) (A)	109	449
Mega Financial Holding Company, Ltd. (Expiration Date: 1-22-24; Strike Price: TWD 33.00) (A)	7,814	1,579
TOTAL RIGHTS (Cost \$0)		\$ 2,028

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI EAFE Index Futures	124	Long	Mar 2024	\$13,396,252	\$13,964,881	\$568,629
Mini MSCI Emerging Markets Index Futures	206	Long	Mar 2024	10,156,155	10,647,110	490,955
MSCI Kuwait Index Futures	121	Long	Mar 2024	1,740,877	1,772,045	31,168
MSCI Qatar Index Futures	129	Long	Mar 2024	1,918,760	2,080,770	162,010
MSCI UAE Index Futures	80	Long	Mar 2024	2,827,449	2,933,200	105,751
S&P/TSX 60 Index Futures	8	Long	Mar 2024	1,483,291	1,534,010	50,719
						\$1,409,232

[^] 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 Equity Index Trust (continued)

	Shares or Principal Amount	Value
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 11-20-26; Strike Price: THB 14.90) (A)	60,320	\$ 212
BTS Group Holdings PCL (Expiration Date: 11-7-24; Strike Price: THB 11.90) (A)	30,160	44
Constellation Software, Inc. (Expiration Date: 3-31-40) (A)(E)(F)	700	0
TOTAL WARRANTS (Cost \$0)		\$ 256
SHORT-TERM INVESTMENTS - 3.3%		
Short-term funds - 3.3%		
Fidelity Government Portfolio, Institutional Class, 5.2843% (G)	27,626,363	27,626,363
John Hancock Collateral Trust, 5.3645% (G)(H)	182,768	1,827,717
TOTAL SHORT-TERM INVESTMENTS (Cost \$29,454,060)		\$ 29,454,080
Total Investments (International Equity Index Trust) (Cost \$673,955,078) - 99.7%		\$ 882,889,600
Other assets and liabilities, net - 0.3%		2,965,809
TOTAL NET ASSETS - 100.0%		\$ 885,855,409

Currency Abbreviations

BRL Brazilian Real

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

(D) All or a portion of this security is on loan as of 12-31-23.

(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 12-31-23.

(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.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 98.4%		
Australia - 7.0%		
A2B Australia, Ltd.	9,047	\$ 13,149
Accent Group, Ltd.	24,907	32,908
Adairs, Ltd.	7,392	9,110
Adbri, Ltd. (A)	19,036	38,983
Ainsworth Game Technology, Ltd. (A)	10,192	9,106
Alcidion Group, Ltd. (A)	43,339	2,217
Alkane Resources, Ltd. (A)	25,036	11,142
Alliance Aviation Services, Ltd. (A)	3,238	7,117
Altium, Ltd.	425	13,548
Alumina, Ltd. (A)	53,091	32,748
AMA Group, Ltd. (A)	56,721	2,705
AMP, Ltd.	110,740	70,206
Ansell, Ltd.	5,635	96,675
Appen, Ltd. (A)	6,367	2,724
Arafura Rare Earths, Ltd. (A)	190,322	21,388
Arafura Rare Earths, Ltd., Additional Offering (A)	14,071	1,581
ARB Corp., Ltd.	3,247	79,412
Archer Materials, Ltd. (A)	10,038	2,600
ARN Media, Ltd.	20,357	13,869
Articore Group, Ltd. (A)(B)	13,929	6,569
AUB Group, Ltd.	5,591	105,830
Audinate Group, Ltd. (A)	3,532	38,878
Aurelia Metals, Ltd. (A)	115,998	8,673
Aussie Broadband, Ltd. (A)	7,972	21,174
Aussie Broadband, Ltd., Additional Offering (A)	1,127	2,993
Austral, Ltd.	23,155	31,994
Australian Agricultural Company, Ltd. (A)	28,065	26,760
Australian Clinical Labs, Ltd.	5,715	11,246
Australian Ethical Investment, Ltd.	4,074	15,009
Australian Finance Group, Ltd.	15,010	15,952
Australian Strategic Materials, Ltd. (A)	2,603	2,249
Auswide Bank, Ltd.	752	2,634
AVZ Minerals, Ltd. (A)(C)	98,026	39,078
Baby Bunting Group, Ltd.	5,551	7,561
Bank of Queensland, Ltd.	32,354	134,130
Bapcor, Ltd.	15,610	58,943
Base Resources, Ltd.	32,069	3,386
Beach Energy, Ltd.	74,859	81,730
Beacon Lighting Group, Ltd.	6,576	10,401
Bega Cheese, Ltd.	15,122	36,489
Bell Financial Group, Ltd.	10,635	9,781
Bellevue Gold, Ltd. (A)	54,153	61,684
Betmakers Technology Group, Ltd. (A)	14,102	797
Bigtincan Holdings, Ltd. (A)	29,230	3,992
Boral, Ltd. (A)	14,795	54,365
Boss Energy, Ltd. (A)	16,048	43,962
Bravura Solutions, Ltd. (A)	32,221	18,745
Breville Group, Ltd.	4,635	86,013
Brickworks, Ltd.	3,876	73,845
Bubs Australia, Ltd. (A)	28,812	2,549
Bubs Australia, Ltd., Additional Offering (A)	4,285	379
BWX, Ltd. (A)(C)	9,946	1,356
Calidus Resources, Ltd. (A)	34,959	5,127
Capitol Health, Ltd.	41,735	6,680
Capricorn Metals, Ltd. (A)	13,300	42,634
Carnarvon Energy, Ltd. (A)	51,813	8,116
Cash Converters International, Ltd.	14,501	2,124
Cedar Woods Properties, Ltd.	5,696	19,364
Challenger, Ltd.	19,023	84,213
Champion Iron, Ltd.	13,415	76,875
City Chic Collective, Ltd. (A)	9,410	3,424
Clinuvel Pharmaceuticals, Ltd.	2,335	25,431

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Clover Corp., Ltd.	8,155	\$ 4,607
Coast Entertainment Holdings, Ltd. (A)	39,016	12,232
Codan, Ltd.	5,320	30,966
Collins Foods, Ltd.	4,405	35,524
Cooper Energy, Ltd. (A)	158,205	14,011
Corporate Travel Management, Ltd.	4,156	55,326
Costa Group Holdings, Ltd.	18,556	39,396
Credit Corp. Group, Ltd.	3,047	33,653
CSR, Ltd.	25,551	114,958
Data#3, Ltd.	9,073	52,185
De Grey Mining, Ltd. (A)	71,967	61,404
De Grey Mining, Ltd., Additional Offering (A)	2,072	1,768
Deterra Royalties, Ltd.	10,662	38,306
Dicker Data, Ltd.	2,871	23,401
Domain Holdings Australia, Ltd.	11,859	27,867
Domino's Pizza Enterprises, Ltd.	2,077	83,378
Downer EDI, Ltd.	26,043	78,102
Eagers Automotive, Ltd.	7,533	74,320
Elders, Ltd.	6,762	34,723
Emeco Holdings, Ltd.	22,924	10,464
Emerald Resources NL (A)	28,411	58,248
EML Payments, Ltd. (A)	16,327	8,787
Enero Group, Ltd.	3,952	4,173
EQT Holdings, Ltd.	993	17,262
EVT, Ltd.	5,448	45,430
Finbar Group, Ltd. (A)	8,370	4,109
FleetPartners Group, Ltd. (A)	16,681	34,715
Fleetwood, Ltd.	8,058	9,888
Flight Centre Travel Group, Ltd.	6,231	86,407
Frontier Digital Ventures, Ltd. (A)	11,391	4,275
G8 Education, Ltd.	51,376	41,294
Galan Lithium, Ltd. (A)(B)	15,105	7,092
Gold Road Resources, Ltd.	44,969	60,111
GrainCorp, Ltd., Class A	9,793	48,696
Grange Resources, Ltd.	21,083	6,681
GUD Holdings, Ltd.	7,010	57,298
GWA Group, Ltd.	12,453	19,001
Hansen Technologies, Ltd.	11,735	40,736
Harvey Norman Holdings, Ltd.	24,082	68,949
Healius, Ltd. (A)	30,121	33,586
Helia Group, Ltd.	18,245	54,118
Highfield Resources, Ltd. (A)	13,495	3,040
HUB24, Ltd.	3,277	80,396
Humm Group, Ltd.	28,676	9,674
Iluka Resources, Ltd.	1,450	6,523
Imdex, Ltd.	25,654	32,918
Immutep, Ltd. (A)	26,372	6,196
Infomedia, Ltd.	17,584	17,263
Inghams Group, Ltd.	20,588	55,590
Insignia Financial, Ltd.	34,787	55,488
Integral Diagnostics, Ltd.	13,604	17,664
Integrated Research, Ltd. (A)	3,367	827
Ioneer, Ltd. (A)(B)	61,614	6,278
IPH, Ltd.	10,380	45,402
IRESS, Ltd.	7,892	43,758
IVE Group, Ltd.	11,452	15,625
JB Hi-Fi, Ltd.	1,065	38,488
Johns Lyng Group, Ltd.	11,815	49,279
Jumbo Interactive, Ltd.	2,253	21,339
Jupiter Mines, Ltd.	116,266	13,086
Karoon Energy, Ltd. (A)	44,459	61,603
Kelsian Group, Ltd.	8,073	38,488
Kogan.com, Ltd. (A)	1,950	6,949
Lendlease Corp., Ltd.	7,380	37,567

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Lifestyle Communities, Ltd.	4,254	\$ 52,821
Link Administration Holdings, Ltd.	18,547	27,577
Lovisa Holdings, Ltd.	3,846	64,078
MA Financial Group, Ltd.	4,146	15,602
Macmahon Holdings, Ltd.	112,440	14,207
Macquarie Technology Group, Ltd. (A)	246	11,490
Magellan Financial Group, Ltd.	5,757	36,390
Mayne Pharma Group, Ltd.	4,957	20,743
McMillan Shakespeare, Ltd.	3,346	36,381
McPherson's, Ltd.	9,168	3,790
Megaport, Ltd. (A)	6,675	41,739
Mesoblast, Ltd. (A)(B)	16,032	3,360
Metals X, Ltd. (A)	48,765	9,659
Metcash, Ltd.	36,255	86,256
Michael Hill International, Ltd.	16,629	10,263
MMA Offshore, Ltd. (A)	25,635	32,677
Monadelphous Group, Ltd.	5,646	57,157
Monash IVF Group, Ltd.	21,798	19,308
Mount Gibson Iron, Ltd. (A)	19,096	7,155
Myer Holdings, Ltd.	63,302	25,837
MyState, Ltd.	5,893	12,608
Nanosonics, Ltd. (A)	11,541	34,577
Navigator Global Investments, Ltd.	16,304	14,120
Netwealth Group, Ltd.	4,931	51,785
New Hope Corp., Ltd.	23,547	82,865
nib holdings, Ltd.	22,359	112,724
Nick Scali, Ltd.	5,272	44,277
Nickel Industries, Ltd.	57,059	27,010
Nine Entertainment Company Holdings, Ltd.	57,796	79,524
Novonix, Ltd. (A)(B)	10,082	4,979
NRW Holdings, Ltd.	25,786	52,381
Nufarm, Ltd.	21,032	74,896
Objective Corp., Ltd.	921	7,852
OceanaGold Corp.	38,000	72,843
OFX Group, Ltd. (A)	14,134	14,518
Omni Bridgeway, Ltd. (A)	15,737	14,536
oOh!media, Ltd.	31,712	35,752
Orora, Ltd.	63,721	113,021
Pacific Current Group, Ltd.	1,717	10,279
Pact Group Holdings, Ltd. (A)	11,275	6,576
Paladin Energy, Ltd. (A)	119,046	79,770
Panoramic Resources, Ltd. (A)(C)	95,428	2,276
Pantoro, Ltd. (A)	102,069	3,965
Peet, Ltd.	13,800	11,894
PeopleIN, Ltd.	5,152	4,406
Perenti, Ltd. (A)	35,432	25,089
Perpetual, Ltd.	4,587	79,710
Perseus Mining, Ltd.	68,083	85,637
PEXA Group, Ltd. (A)	4,479	33,841
Pinnacle Investment Management Group, Ltd.	5,460	37,492
Platinum Asset Management, Ltd.	22,136	20,051
Poseidon Nickel, Ltd. (A)	71,048	583
Praemium, Ltd. (A)	28,131	7,465
Premier Investments, Ltd.	4,406	82,835
Propel Funeral Partners, Ltd.	2,859	10,053
PSC Insurance Group, Ltd.	5,616	17,887
PWR Holdings, Ltd.	4,736	31,508
Ramelius Resources, Ltd.	38,707	44,350
ReadyTech Holdings, Ltd. (A)	4,809	11,499
Red 5, Ltd. (A)	261,310	55,096
Regis Healthcare, Ltd.	9,267	20,533
Regis Resources, Ltd. (A)	35,749	53,014
Resolute Mining, Ltd. (A)	88,090	26,590

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Ridley Corp., Ltd.	19,540	\$ 36,628
RPMGlobal Holdings, Ltd. (A)	6,670	7,949
Sandfire Resources, Ltd. (A)	21,317	106,636
Select Harvests, Ltd. (A)	7,081	13,984
Servcorp, Ltd.	3,171	7,280
Service Stream, Ltd.	27,275	17,492
Seven West Media, Ltd. (A)	85,038	15,635
SG Fleet Group, Ltd.	8,938	14,292
Sierra Rutile Holdings, Ltd. (A)	14,764	968
Sigma Healthcare, Ltd.	86,903	59,491
Sigma Healthcare, Ltd., Entitlement Offer (A)	46,975	32,158
Silver Lake Resources, Ltd. (A)	48,508	39,253
Silver Mines, Ltd. (A)	77,466	8,415
Sims, Ltd.	7,974	84,613
SmartGroup Corp., Ltd.	8,029	47,673
SolGold PLC (A)	65,333	7,904
Solvar, Ltd.	9,936	8,944
Southern Cross Media Group, Ltd.	17,291	11,727
SRG Global, Ltd.	35,644	16,261
St. Barbara, Ltd. (A)	33,249	4,738
Strike Energy, Ltd. (A)	118,299	38,689
Super Retail Group, Ltd.	7,649	82,199
Superloop, Ltd. (A)	22,967	10,485
Symbio Holdings, Ltd.	2,522	5,099
Syrah Resources, Ltd. (A)	49,135	21,599
Tabcorp Holdings, Ltd.	93,926	53,484
Technology One, Ltd.	11,066	115,830
Temple & Webster Group, Ltd. (A)	4,468	26,518
Ten Sixty Four, Ltd. (A)(C)	8,127	3,157
Terracom, Ltd.	32,978	9,430
The Reject Shop, Ltd.	2,561	9,512
The Star Entertainment Group, Ltd. (A)	127,076	44,563
Tyro Payments, Ltd. (A)	10,423	7,836
Ventia Services Group Pty, Ltd.	27,017	57,824
Viva Energy Group, Ltd. (D)	50,268	119,604
Vulcan Energy Resources, Ltd. (A)	3,849	7,474
Webjet, Ltd. (A)	16,369	81,881
West African Resources, Ltd. (A)	42,178	27,128
Westgold Resources, Ltd. (A)	18,696	27,719
Zip Company, Ltd. (A)	18,285	7,887
		7,444,327
Austria - 1.5%		
Addiko Bank AG (A)	668	9,842
Agrana Beteiligungs AG	724	11,269
ams AG (A)	44,522	112,226
ANDRITZ AG	2,906	180,790
AT&S Austria Technologie & Systemtechnik AG	1,188	34,439
BAWAG Group AG (A)(D)	3,812	201,735
CA Immobilien Anlagen AG	1,426	51,110
DO & Company AG	278	41,293
Eurotelesites AG (A)	1,109	4,456
EVN AG	2,014	63,190
Fabasoft AG	599	12,558
FACC AG (A)	1,116	7,182
IMMOFINANZ AG (A)	1,270	29,496
Kapsch TrafficCom AG (A)	191	1,891
Kontron AG	2,318	55,050
Lenzing AG (A)	566	22,190
Mayr Melnhof Karton AG	378	52,885
Oesterreichische Post AG	1,378	49,693
Palfinger AG	876	24,343
POLYTEC Holding AG	995	3,846
Porr AG	876	12,279

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Austria (continued)		
Raiffeisen Bank International AG	4,719	\$ 97,245
RHI Magnesita NV	552	24,348
Rosenbauer International AG (A)	174	5,530
Schoeller-Bleckmann Oilfield Equipment AG	710	34,621
Semperit AG Holding	822	12,866
Telekom Austria AG (A)	4,436	37,442
UBM Development AG	411	9,578
UNIQA Insurance Group AG	3,329	27,404
Vienna Insurance Group AG	1,157	33,823
voestalpine AG	4,524	142,442
Wienerberger AG	4,676	155,798
Zumtobel Group AG	2,545	17,652
		1,580,512
Belgium - 1.6%		
Ackermans & van Haaren NV	982	172,283
Ageas SA/NV	746	32,429
AGFA-Gevaert NV (A)	6,780	11,017
Atenor (B)	1,218	9,974
Azelis Group NV	898	22,047
Barco NV	3,257	59,568
Bekaert SA	1,389	71,391
Biocartis Group NV (A)(C)(D)	4,063	1,299
bpost SA	4,236	21,838
Cie d'Entreprises CFE	416	3,507
Colruyt Group N.V	2,147	96,849
Deceuninck NV	2,515	6,323
Deme Group NV	416	51,164
Econocom Group SA/NV	6,435	18,269
Euronav NV (B)	4,264	75,304
Euronav NV (New York Stock Exchange) (B)	2,324	40,879
EVS Broadcast Equipment SA	811	25,871
Fagron	2,712	49,810
Galapagos NV (A)	1,566	63,909
Gimv NV	1,093	53,520
Immobel SA (B)	209	6,890
Ion Beam Applications	1,305	16,637
Kinepolis Group NV	585	28,891
Lotus Bakeries NV	21	190,866
Melexis NV	863	86,980
Ontex Group NV (A)(B)	3,927	33,006
Orange Belgium SA (A)	417	6,222
Proximus SADP	6,084	57,198
Recticel SA	2,296	26,911
Sipef NV	420	24,572
Solvay SA	2,258	69,205
Tessenderlo Group SA	1,111	34,679
Umicore SA	2,758	75,864
Van de Velde NV	377	14,058
VGP NV	462	53,533
Viohalco SA	7,173	41,913
X-Fab Silicon Foundries SE (A)(D)	3,484	39,234
		1,693,910
Bermuda - 0.2%		
BW Energy, Ltd. (A)	1,252	3,321
Hiscox, Ltd.	14,943	200,785
		204,106
Cambodia - 0.0%		
NagaCorp, Ltd. (A)	52,981	20,843
Canada - 10.3%		
5N Plus, Inc. (A)	3,515	10,027
Acadian Timber Corp.	800	10,354
Advantage Energy, Ltd. (A)	9,000	57,937

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Aecon Group, Inc.	3,200	\$ 31,564
Africa Oil Corp.	22,402	42,097
Ag Growth International, Inc.	1,100	41,940
AGF Management, Ltd., Class B	4,298	25,009
Aimia, Inc. (A)(B)	7,777	18,371
AirBoss of America Corp.	1,500	5,536
Alamos Gold, Inc., Class A	17,372	233,628
Algoma Central Corp. (B)	700	7,898
Altius Minerals Corp.	1,700	23,658
Altus Group, Ltd.	2,318	73,718
Amerigo Resources, Ltd. (B)	13,502	14,164
Andlauer Healthcare Group, Inc.	1,218	37,669
Andrew Peller, Ltd., Class A (B)	2,300	8,002
Aritzia, Inc. (A)	4,845	100,553
Ascot Resources, Ltd. (A)	13,700	5,066
Atco, Ltd., Class I	2,918	85,158
Athabasca Oil Corp. (A)	35,674	112,268
ATS Corp. (A)	4,247	183,047
AutoCanada, Inc. (A)(B)	1,985	34,306
B2Gold Corp.	51,917	164,169
B2Gold Corp. (NYSE American Exchange)	5,393	17,042
Badger Infrastructure Solutions, Ltd.	1,832	56,285
Ballard Power Systems, Inc. (A)(B)	9,718	36,010
Bausch Health Companies, Inc. (A)	12,400	99,477
Baytex Energy Corp. (B)	19,253	63,641
Birch Mountain Resources, Ltd. (A)(C)	9,200	1
Birchcliff Energy, Ltd. (B)	11,933	52,053
Bird Construction, Inc.	4,995	54,283
Black Diamond Group, Ltd.	2,750	16,956
BlackBerry, Ltd. (A)(B)	17,634	62,548
BMTC Group, Inc.	500	4,709
Bombardier, Inc., Class B (A)	3,969	159,383
Borex, Inc., Class A	4,010	101,926
Boyd Group Services, Inc.	1,160	243,801
Brookfield Infrastructure Corp., Class A	1,086	38,308
Calian Group, Ltd.	605	26,158
Calibre Mining Corp. (A)	11,500	11,803
Canaccord Genuity Group, Inc.	5,281	30,290
Canacol Energy, Ltd. (B)	1,513	7,947
Canada Goose Holdings, Inc. (A)(B)	2,213	26,288
Canadian Western Bank (B)	5,015	116,836
Canfor Corp. (A)	2,404	32,385
Canfor Pulp Products, Inc. (A)	2,715	3,688
Capital Power Corp. (B)	6,027	172,116
Capstone Copper Corp. (A)	29,467	143,438
Cardinal Energy, Ltd.	5,530	26,209
Cascades, Inc.	4,523	43,453
Celestica, Inc. (A)	3,019	88,425
Celestica, Inc. (New York Stock Exchange) (A)	3,200	93,696
Centerra Gold, Inc.	9,077	54,186
CES Energy Solutions Corp.	18,429	47,983
China Gold International Resources Corp., Ltd.	18,050	76,011
CI Financial Corp.	6,700	75,138
Cineplex, Inc. (A)(B)	1,227	7,751
Cogeco Communications, Inc.	563	25,217
Cogeco, Inc.	445	19,200
Colliers International Group, Inc.	980	123,956
Computer Modelling Group, Ltd.	4,420	33,791
Corby Spirit and Wine, Ltd. (B)	700	6,905
Corus Entertainment, Inc., B Shares	11,806	6,326
Crescent Point Energy Corp.	9,419	65,326
Crescent Point Energy Corp. (New York Stock Exchange)	16,800	116,424

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Crew Energy, Inc. (A)	8,100	\$ 27,753
Cronos Group, Inc. (A)	5,470	11,435
Cronos Group, Inc. (Nasdaq Exchange) (A)	7,260	15,173
Definity Financial Corp.	1,428	40,457
Denison Mines Corp. (A)	23,898	41,842
Dexterra Group, Inc.	1,621	7,047
Doman Building Materials Group, Ltd.	3,600	22,523
Dorel Industries, Inc., Class B (A)	1,800	8,490
DREAM Unlimited Corp., Class A (B)	1,350	23,076
Dundee Precious Metals, Inc.	7,687	49,195
Dye & Durham, Ltd.	2,990	32,404
E-L Financial Corp., Ltd.	100	79,108
Eldorado Gold Corp. (A)	9,374	121,681
Endeavour Silver Corp. (A)	6,945	13,627
Enerflex, Ltd. (B)	6,400	29,608
Enerplus Corp.	10,813	165,739
Enghouse Systems, Ltd.	1,800	47,681
Ensign Energy Services, Inc. (A)(B)	9,800	16,049
EQB, Inc.	1,392	91,637
Equinox Gold Corp. (A)	12,552	61,005
ERO Copper Corp. (A)	2,900	45,851
Evertz Technologies, Ltd.	1,900	19,974
Exchange Income Corp.	568	19,333
Exco Technologies, Ltd. (B)	1,500	8,920
Extencare, Inc.	6,230	34,228
Fiera Capital Corp.	5,935	27,278
Finning International, Inc.	7,281	210,564
Firm Capital Mortgage Investment Corp.	1,100	8,999
First Majestic Silver Corp.	9,281	56,945
First Majestic Silver Corp. (New York Stock Exchange) (B)	1,582	9,729
First Mining Gold Corp. (A)	39,000	3,973
First National Financial Corp.	700	20,275
Fission Uranium Corp. (A)	19,500	15,894
Fortuna Silver Mines, Inc. (A)	14,300	55,039
Freehold Royalties, Ltd. (B)	5,429	56,091
Frontera Energy Corp. (A)	2,200	13,233
Galiano Gold, Inc. (A)	6,600	6,127
Gamehost, Inc.	100	715
GDI Integrated Facility Services, Inc. (A)	300	8,282
Gibson Energy, Inc. (B)	7,506	114,030
goeasy, Ltd.	372	44,374
GoGold Resources, Inc. (A)(B)	5,300	5,400
Gran Tierra Energy, Inc. (A)	2,516	14,127
Guardian Capital Group, Ltd., Class A	1,100	36,743
Hammond Power Solutions, Inc.	400	24,663
Hanfeng Evergreen, Inc. (A)(C)	200	0
Headwater Exploration, Inc. (B)	9,290	43,819
Heroux-Devtek, Inc. (A)	2,700	30,972
High Liner Foods, Inc. (B)	1,773	15,816
HLS Therapeutics, Inc.	700	2,087
Hudbay Minerals, Inc.	13,410	73,778
IAMGOLD Corp. (A)	24,627	62,076
Imperial Metals Corp. (A)	5,060	8,325
Information Services Corp.	800	13,391
Innervex Renewable Energy, Inc. (B)	8,000	55,485
Interfor Corp. (A)	2,920	51,743
International Petroleum Corp. (A)	337	4,011
International Petroleum Corp. (Nasdaq Stockholm Exchange) (A)	3,496	42,065
International Tower Hill Mines, Ltd. (A)	2,300	1,337
Jamieson Wellness, Inc. (D)	2,200	52,682
K92 Mining, Inc. (A)	4,411	21,671
KAB Distribution, Inc. (A)(C)	7,076	0
Karora Resources, Inc. (A)(B)	4,800	17,642

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
K-Bro Linen, Inc.	600	\$ 14,943
Kelt Exploration, Ltd. (A)	10,445	45,089
Knight Therapeutics, Inc. (A)	5,400	21,151
Labrador Iron Ore Royalty Corp.	2,318	55,805
Largo, Inc. (A)	780	1,795
Lassonde Industries, Inc., Class A	200	21,169
Laurentian Bank of Canada	1,514	31,844
Leon's Furniture, Ltd.	1,883	25,807
Lightspeed Commerce, Inc. (A)	5,593	117,427
Linamar Corp.	1,966	94,988
Logan Energy Corp. (A)	3,592	2,169
Logistec Corp., Class B	700	35,395
Lucara Diamond Corp. (A)	25,184	7,317
Lundin Gold, Inc.	4,258	53,151
Magellan Aerospace Corp.	900	5,332
Mainstreet Equity Corp. (A)	400	44,080
Major Drilling Group International, Inc. (A)	4,513	31,368
Manitok Energy, Inc. (A)(C)	16	0
Maple Leaf Foods, Inc.	4,140	78,860
Martinrea International, Inc.	4,603	49,815
MDA, Ltd. (A)	1,987	17,275
Medical Facilities Corp. (B)	2,104	14,259
MEG Energy Corp. (A)	10,188	181,993
Melcor Developments, Ltd.	1,000	8,498
Methanex Corp.	3,089	146,122
Morguard Corp.	400	31,993
MTY Food Group, Inc.	742	31,644
Mullen Group, Ltd.	3,682	39,014
New Gold, Inc. (A)	34,515	50,012
NFI Group, Inc. (A)	2,960	30,582
North American Construction Group, Ltd.	2,100	43,821
Nuvei Corp. (D)	1,646	43,242
NuVista Energy, Ltd. (A)	9,305	77,527
Onex Corp.	878	61,312
Organigram Holdings, Inc. (A)	2,232	2,897
Orla Mining, Ltd. (A)(B)	11,140	36,319
Osisko Gold Royalties, Ltd.	8,344	119,079
Osisko Mining, Inc. (A)	12,850	25,893
Paramount Resources, Ltd., Class A	4,073	79,705
Parex Resources, Inc.	5,516	103,863
Park Lawn Corp.	1,792	26,696
Parkland Corp.	6,819	219,795
Pason Systems, Inc.	3,936	48,032
Peyto Exploration & Development Corp. (B)	8,697	79,025
PHX Energy Services Corp.	2,600	15,894
Pine Cliff Energy, Ltd. (B)	11,000	11,207
Pizza Pizza Royalty Corp.	1,729	19,207
Polaris Renewable Energy, Inc.	1,500	14,977
Pollard Banknote, Ltd.	1,000	24,173
PrairieSky Royalty, Ltd. (B)	11,227	196,571
Precision Drilling Corp. (A)	782	42,468
Premium Brands Holdings Corp.	2,000	141,927
Quarterhill, Inc.	9,800	14,422
Questerre Energy Corp., Class A (A)	19,444	2,641
Real Matters, Inc. (A)	3,500	16,641
RF Capital Group, Inc. (A)	185	1,050
Richelieu Hardware, Ltd.	2,000	72,420
Rogers Sugar, Inc. (B)	6,474	26,286
Russel Metals, Inc.	2,746	93,319
Savaria Corp. (B)	2,300	26,332
Seabridge Gold, Inc. (A)	2,830	34,300
Secure Energy Services, Inc.	13,477	95,912
ShawCor, Ltd. (A)	4,173	47,744

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Sienna Senior Living, Inc. (B)	3,606	\$ 31,269
SilverCrest Metals, Inc. (A)	1,680	11,018
Sleep Country Canada Holdings, Inc. (D)	2,113	40,839
SNC-Lavalin Group, Inc.	7,843	252,505
Spartan Delta Corp.	1,796	4,039
Spin Master Corp. (D)	1,400	36,832
Sprott, Inc.	1,329	45,014
Stelco Holdings, Inc. (B)	2,075	78,596
Stella-Jones, Inc.	2,800	162,964
Superior Plus Corp.	7,557	54,922
Surge Energy, Inc.	2,103	10,284
Tamarack Valley Energy, Ltd.	20,085	46,535
Taseko Mines, Ltd. (A)	16,100	22,600
Tecsys, Inc.	609	15,080
TELUS Corp.	1,407	25,038
TerraVest Industries, Inc.	600	20,037
The North West Company, Inc.	2,706	80,197
Tidewater Midstream and Infrastructure, Ltd. (B)	6,650	5,320
Tilray Brands, Inc. (A)	114	263
Timbercreek Financial Corp.	6,000	30,203
TLC Vision Corp. (A)(C)	3,400	0
Torex Gold Resources, Inc. (A)	5,460	60,243
Total Energy Services, Inc.	3,132	17,869
TransAlta Corp.	9,482	78,859
Transcontinental, Inc., Class A (B)	4,783	49,453
Trevali Mining Corp. (A)(C)	3,713	259
Trican Well Service, Ltd.	16,409	51,021
Tricon Residential, Inc. (B)	9,919	90,278
Triple Flag Precious Metals Corp.	828	11,023
Trisura Group, Ltd. (A)	2,500	64,149
Vecima Networks, Inc.	479	5,910
Vermilion Energy, Inc.	6,400	77,135
Wajax Corp.	1,300	29,698
Wesdome Gold Mines, Ltd. (A)	7,800	45,385
Western Copper & Gold Corp. (A)	5,400	7,132
Western Forest Products, Inc. (B)	25,850	13,851
Westshore Terminals Investment Corp. (B)	2,189	45,298
Whitecap Resources, Inc.	19,495	130,501
Winpak, Ltd.	1,177	36,330
Yellow Pages, Ltd.	140	1,191
Zenith Capital Corp. (A)	1,700	204
		11,019,663
China - 0.0%		
AustAsia Group, Ltd. (A)	4,540	1,075
Fosun Tourism Group (A)(D)	11,400	8,441
		9,516
Denmark - 2.4%		
ALK-Abello A/S (A)	5,254	78,789
Alm Brand A/S	33,083	58,488
Amagerbanken A/S (A)(C)	25,580	0
Ambu A/S, Class B (A)(B)	6,585	102,587
Bang & Olufsen A/S (A)	7,788	11,126
Bavarian Nordic A/S (A)(B)	3,556	93,464
Better Collective A/S (A)(B)	2,021	51,415
Cadeler A/S (A)(B)	2,970	13,715
CBrain A/S	389	15,490
Chemometec A/S (B)	801	46,029
Columbus A/S	6,187	6,506
D/S Norden A/S	890	42,328
Dfds A/S	1,767	58,350
FLSmidth & Company A/S	2,796	118,978
GN Store Nord A/S (A)	5,046	128,402
H Lundbeck A/S	12,897	62,612
H+H International A/S, Class B (A)	1,146	15,078

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Denmark (continued)		
ISS A/S	7,129	\$ 136,161
Jeudan A/S	380	12,873
Jyske Bank A/S	1,958	140,402
Lan & Spar Bank A/S	198	19,503
Matas A/S	2,910	49,747
Netcompany Group A/S (A)(B)(D)	1,473	49,192
Nilfisk Holding A/S (A)	1,220	21,349
NKT A/S (A)	2,513	172,750
NNIT A/S (A)(D)	479	5,969
NTG Nordic Transport Group A/S (A)(B)	635	27,659
Per Aarsleff Holding A/S	883	42,171
Ringkjoebing Landbobank A/S	1,156	169,783
ROCKWOOL A/S, A Shares	130	37,953
ROCKWOOL A/S, B Shares	213	62,318
Royal Unibrew A/S	2,134	142,564
Scandinavian Tobacco Group A/S (D)	3,178	55,223
Schouw & Company A/S	666	54,563
Solar A/S, B Shares	410	28,254
SP Group A/S	368	11,909
Spar Nord Bank A/S	3,586	56,635
Sparekassen Sjaelland-Fyn A/S	1,012	29,964
Sydbank A/S	3,132	136,222
TCM Group A/S (A)	507	3,417
Tivoli A/S	102	10,618
Topdanmark A/S	1,997	95,362
UIE PLC	1,280	35,588
Vestjysk Bank A/S	22,473	12,934
Zealand Pharma A/S (A)	1,618	89,500
		2,613,940
Finland - 2.1%		
Aktia Bank OYJ	3,501	36,456
Alma Media OYJ	1,962	20,824
Bittium OYJ	2,708	14,400
Cargotec OYJ, B Shares	1,564	91,233
Citycon OYJ (A)	4,136	23,746
Elisa OYJ	245	11,326
Enento Group OYJ (A)(D)	860	18,489
EQ OYJ	483	8,314
Finnair OYJ (A)	44,891	1,974
Finnair OYJ, New Shares (A)	606,016	26,653
Fiskars OYJ ABP	2,196	43,380
F-Secure OYJ	7,159	16,103
Harvia OYJ	846	25,433
HKScan OYJ, A Shares (A)	316	291
Huhtamaki OYJ	3,864	156,837
Kamux Corp.	1,688	10,458
Kemira OYJ	4,940	91,634
Kesko OYJ, B Shares	3,987	79,037
Kojamo OYJ	4,092	53,716
Konecranes OYJ	2,713	122,390
Lassila & Tikanoja OYJ	1,929	20,867
Marimekko OYJ	1,923	28,258
Metsa Board OYJ, B Shares	6,636	52,806
Musti Group OYJ (A)	1,222	35,340
Nokian Renkaat OYJ	4,287	39,179
Olvi OYJ, A Shares	721	22,364
Oma Saastopankki OYJ	490	11,513
Oriola OYJ, B Shares	9,290	11,176
Orion OYJ, Class A	711	30,734
Orion OYJ, Class B	3,859	167,215
Outokumpu OYJ	11,396	56,548
Pihlajalinna OYJ (A)	1,193	9,294
Ponsse OYJ	543	13,572
Puuiilo OYJ	1,645	16,223
QT Group OYJ (A)	770	54,969

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Finland (continued)		
Raisio OYJ, V Shares	8,267	\$ 18,047
Rapala VMC OYJ	908	3,018
Revenio Group OYJ	1,101	32,997
Sanoma OYJ	2,692	20,638
Taaleri OYJ	956	9,480
Talenom OYJ	637	4,365
Terveystalo OYJ (D)	4,887	41,795
TietoEVRY OYJ	4,031	96,026
Tokmanni Group Corp.	2,438	39,390
Vaisala OYJ, A Shares	952	41,695
Valmet OYJ	6,361	183,944
Verkkokauppa.com OYJ (A)	1,047	3,006
Wartsila OYJ ABP	18,553	269,638
WithSecure OYJ (A)	7,159	8,187
YIT OYJ	8,449	18,494
		2,213,472
France - 4.7%		
ABC arbitrage	2,016	10,702
AKWEL SADIR	725	12,967
ALD SA (D)	7,805	55,729
Altamir	752	19,768
Alten SA	1,325	197,408
Arkema SA	198	22,556
Atos SE (A)(B)	2,440	19,057
Axway Software SA	531	15,472
Bastide le Confort Medical (A)	256	7,573
Beneteau SACA	2,839	39,174
Bigben Interactive (A)	1,198	4,586
Boiron SA	274	12,202
Bonduelle SCA	1,027	12,432
Catana Group	1,588	10,056
Cegedim SA (A)	495	9,756
CGG SA (A)	42,425	28,017
Chargeurs SA	1,552	20,039
Cie des Alpes	998	15,578
Cie Plastic Omnium SE	2,278	30,228
Claranova SE (A)	1,250	2,935
Clariane SE (B)	3,776	10,025
Coface SA	6,169	80,841
DBV Technologies SA (A)	1,786	3,639
Derichebourg SA	6,625	37,298
Ekinops SAS (A)	1,302	8,439
Electricite de Strasbourg SA	31	3,406
Elior Group SA (A)(B)(D)	8,308	26,999
Elis SA	10,177	212,714
Equasens	290	19,579
Eramet SA	565	44,760
Etablissements Maurel et Prom SA	6,372	42,730
Eurazeo SE	1,837	146,067
Eutelsat Communications SACA (A)(B)	6,192	29,109
Exclusive Networks SA (A)	708	15,189
Exel Industries, A Shares	89	5,308
Fnac Darty SA	1,099	33,409
Forvia SE (A)	7,066	160,064
Gaztransport Et Technigaz SA	1,398	185,187
Groupe Crit SA	163	14,143
Guerbet	326	7,017
Haulotte Group SA (A)	962	2,689
ID Logistics Group SACA (A)	176	59,487
Imerys SA	1,845	58,176
Infotel SA	348	20,357
IPSOS SA	2,460	154,459
Jacquet Metals SACA	1,024	22,184
JCDecaux SE (A)	1,836	36,944
Kaufman & Broad SA	901	30,006

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
La Francaise des Jeux SAEM (D)	3,693	\$ 134,147
Laurent-Perrier	110	14,689
Lectra	297	10,256
LISI SA	419	10,935
LNA Sante SA	166	3,683
Lumibird (A)	632	8,501
Maisons du Monde SA (D)	1,925	12,076
Manitou BF SA	880	22,555
Mersen SA	1,369	53,242
Metropole Television SA	1,324	18,921
Nacon SA (A)(B)	446	822
Neoen SA (D)	2,310	77,354
Nexans SA	1,314	115,279
Nexity SA	1,974	36,789
NRJ Group	782	6,334
OVH Groupe SAS (A)	146	1,392
Pierre Et Vacances SA (A)	10,785	18,522
Plastivaloire (A)	383	1,560
Quadiant SA	2,171	46,150
Recylex SA (A)(C)	1,058	0
Rexel SA	10,217	280,418
Robertet SA	12	11,000
Rubis SCA	3,866	96,176
Samse SA (B)	48	10,706
Savencia SA	372	22,593
SCOR SE	6,613	193,767
SEB SA	1,048	131,236
Seche Environnement SACA	126	15,306
SMCP SA (A)(D)	1,921	7,270
Societe BIC SA	1,252	86,947
Societe LDC SADIR	212	32,701
Societe pour l'Informatique Industrielle	438	33,788
SOITEC (A)	1,009	180,555
Sopra Steria Group SACA	690	151,122
SPIE SA	5,882	184,117
Stef SA	202	25,487
Synergie SE	557	21,644
Technip Energies NV	6,139	143,298
Television Francaise 1 SA	3,803	29,974
Thermador Groupe (B)	453	42,293
Tikehau Capital SCA (B)	1,575	35,804
Trigano SA	463	76,012
Ubisoft Entertainment SA (A)	4,551	116,336
Valeo SE	8,798	135,978
Vallourec SACA (A)	6,761	105,019
Vantiva SA (A)	9,713	1,252
Verallia SA (D)	3,490	134,458
Vicat SACA	1,201	43,619
Virbac SACA	103	41,043
Volitalia SA (A)	1,403	16,161
Wavestone	331	21,469
		5,037,216
Gabon - 0.0%		
Totalenergies EP Gabon	20	3,465
Georgia - 0.1%		
Georgia Capital PLC (A)	1,145	14,904
TBC Bank Group PLC	1,831	66,018
		80,922
Germany - 5.8%		
1&1 AG	2,192	43,845
7C Solarparken AG	3,282	13,145
Adesso SE (B)	207	24,536
Adtran Networks SE (A)	804	17,746
All for One Group SE	130	6,782

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
Allgeier SE (B)	498	\$ 11,840
Amadeus Fire AG	264	35,842
Atoss Software AG	218	50,282
Aurubis AG	1,560	127,651
Auto1 Group SE (A)(D)	3,943	28,166
Basler AG	486	6,248
BayWa AG	669	23,117
Bechtle AG	3,835	192,085
Bertrandt AG	394	22,344
Bijou Brigitte AG	340	15,059
Bilfinger SE	1,781	68,487
Borussia Dortmund GmbH & Company KGaA (A)	4,276	16,942
BRANICKS Group AG (B)	3,005	11,221
CANCOM SE	1,316	42,935
CECONOMY AG (A)	8,144	22,257
CENIT AG	446	6,021
Cewe Stiftung & Company KGAA	268	29,920
CompuGroup Medical SE & Company KGaA	1,368	57,260
CropEnergies AG (B)	1,544	19,623
CTS Eventim AG & Company KGaA	2,897	200,371
Dermapharm Holding SE	849	39,695
Deutsche Beteiligungs AG	1,067	34,587
Deutsche Pfandbriefbank AG (B)(D)	6,014	41,084
Deutz AG	3,432	18,164
Dr. Hoenle AG (A)(B)	420	8,120
Draegerwerk AG & Company KGaA	82	4,050
Duerr AG	2,868	67,627
DWS Group GmbH & Company KGaA (D)	1,480	56,882
Eckert & Ziegler Strahlen- und Medizintechnik AG	808	36,799
Elmos Semiconductor SE	454	37,119
ElringKlinger AG	2,576	15,698
Encavis AG (A)(B)	5,880	101,141
Energiakontor AG	454	41,450
Evotec SE (A)	770	18,059
Fielmann Group AG	1,241	66,548
flatexDEGIRO AG (A)	2,995	36,860
Fraport AG Frankfurt Airport Services Worldwide (A)	2,067	124,721
Freenet AG	5,773	161,577
FUCHS SE	1,805	64,687
GEA Group AG	7,309	303,865
Gerresheimer AG	1,680	174,780
GFT Technologies SE	961	33,069
GRENKE AG	983	27,198
H&R GmbH & Company KGaA	1,324	6,839
Hamburger Hafen und Logistik AG	1,330	24,592
Heidelberger Druckmaschinen AG (A)	18,003	24,581
HelloFresh SE (A)	6,865	108,237
Hensoldt AG	2,082	56,073
HOCHTIEF AG	1,110	122,928
Hornbach Holding AG & Company KGaA	497	36,196
HUGO BOSS AG	2,702	201,300
Indus Holding AG	975	24,041
Init Innovation in Traffic Systems SE	364	12,244
Instone Real Estate Group SE (D)	2,299	18,527
IVU Traffic Technologies AG	665	10,253
Jenoptik AG	2,990	93,775
JOST Werke SE (D)	517	25,262
K+S AG	7,752	122,381
KION Group AG	2,752	117,454
Kloekner & Company SE (B)	2,892	30,606

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
Knaus Tabbert AG (B)	203	\$ 10,535
Koenig & Bauer AG (A)	912	12,192
Krones AG	775	95,646
KWS Saat SE & Company KGaA (B)	556	32,995
LANXESS AG	3,805	119,013
LEG Immobilien SE (A)	3,424	299,632
Leifheit AG	437	7,830
Manz AG (A)	233	3,164
Medigene AG (A)	760	1,277
Medios AG (A)	842	14,758
METRO AG (A)	6,195	43,179
MLP SE	5,864	35,829
Mutares SE & Company KGaA	358	13,979
Nagarro SE (A)(B)	394	37,965
New Work SE	128	11,111
Nordex SE (A)(B)	1,698	19,485
Norma Group SE	1,576	27,839
OHB SE	399	18,658
PATRIZIA SE	2,719	24,540
PNE AG (B)	805	12,301
ProSiebenSat.1 Media SE	7,531	45,942
PVA TePla AG (A)	1,420	31,923
Rational AG	54	41,669
SAF-Holland SE	1,157	19,421
Salzgitter AG	1,529	47,203
Scout24 SE (D)	183	12,940
Secunet Security Networks AG	141	22,741
SGL Carbon SE (A)(B)	3,072	22,094
Siltronic AG	981	95,768
Sirius Real Estate, Ltd.	60,557	72,864
Sixt SE (B)	733	81,828
SMA Solar Technology AG (A)(B)	839	56,203
Stabilus SE	1,440	98,063
Stroer SE & Company KGaA	1,746	103,568
Suedzucker AG	2,959	46,358
SUESS MicroTec SE	1,803	55,055
Synlab AG	1,768	22,297
TAG Immobilien AG (A)	8,916	129,628
Takkt AG	1,848	27,562
TeamViewer SE (A)(D)	6,009	93,335
Technotrans SE	530	12,751
thyssenkrupp AG	22,583	157,097
United Internet AG	3,347	85,122
VERBIO Vereinigte BioEnergie AG	1,012	33,402
Vitesco Technologies Group AG (A)	992	85,918
Vossloh AG	859	39,805
Wacker Chemie AG	591	74,513
Wacker Neuson SE	2,039	41,105
Washtec AG	611	21,548
Westwing Group SE (A)	385	3,760
Wuestenrot & Wuerttembergische AG	1,566	23,035
Zeal Network SE (B)	461	16,941
		6,206,181
Gibraltar - 0.0%		
888 Holdings PLC (A)	15,858	19,286
Greece - 0.0%		
Alapis Holding Industrial and Commercial SA of Pharmaceutical Chemical Products (A)(C)	3,303	67
Okeanis Eco Tankers Corp. (A)(D)	733	19,441
TT Hellenic Postbank SA (A)(C)	12,594	0
		19,508
Guernsey, Channel Islands - 0.0%		
Raven Property Group, Ltd. (A)(C)	4,994	145

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong - 1.9%		
3D-Gold Jewellery Holdings, Ltd. (A)(C)	90,000	\$ 0
Aidigong Maternal & Child Health, Ltd. (A)	108,000	3,735
APAC Resources, Ltd.	18,475	2,269
Apollo Future Mobility Group, Ltd. (A)	2,800	287
Asia Financial Holdings, Ltd.	14,000	6,374
ASMP, Ltd.	11,500	109,661
Associated International Hotels, Ltd.	28,000	22,755
Brightoil Petroleum Holdings, Ltd. (A)(C)	117,000	0
Burwill Holdings, Ltd. (A)(C)	292,000	1,197
Cafe de Coral Holdings, Ltd.	18,000	20,774
Chen Hsong Holdings	10,000	1,820
Cheuk Nang Holdings, Ltd.	3,708	807
China Energy Development Holdings, Ltd. (A)	634,000	6,490
China Solar Energy Holdings, Ltd. (A)(C)	42,500	0
Chinese Estates Holdings, Ltd. (A)	22,000	3,435
Chow Sang Sang Holdings International, Ltd.	22,000	25,311
Chuang's Consortium International, Ltd. (A)	30,948	1,766
CITIC Telecom International Holdings, Ltd.	59,000	24,797
CMBC Capital Holdings, Ltd. (A)	10,750	434
C-MER Eye Care Holdings, Ltd. (A)	18,000	7,934
Cowell e Holdings, Inc. (A)	8,000	23,633
Crystal International Group, Ltd. (D)	19,000	7,055
CSC Holdings, Ltd. (A)	885,000	3,285
CSI Properties, Ltd.	245,066	3,016
Dah Sing Banking Group, Ltd.	18,000	11,617
Dah Sing Financial Holdings, Ltd.	6,520	13,356
Dynamic Holdings, Ltd.	8,000	9,344
EC Healthcare	13,000	2,900
EganaGoldpfeil Holdings, Ltd. (A)(C)	103,373	0
Emperor International Holdings, Ltd.	97,333	4,796
Esprit Holdings, Ltd. (A)	176,850	9,182
Fairwood Holdings, Ltd.	3,500	4,113
Far East Consortium International, Ltd.	98,508	17,543
First Pacific Company, Ltd.	112,000	44,630
Giordano International, Ltd.	82,000	27,727
Gold-Finance Holdings, Ltd. (A)(C)	62,000	0
GR Life Style Company, Ltd. (A)	82,000	3,358
Great Eagle Holdings, Ltd.	10,516	16,319
G-Resources Group, Ltd.	33,580	8,391
Guotai Junan International Holdings, Ltd.	207,000	15,919
Haitong International Securities Group, Ltd. (A)	125,477	24,255
Hang Lung Group, Ltd.	31,000	42,244
Hanison Construction Holdings, Ltd.	27,441	2,600
Hao Tian International Construction Investment Group, Ltd. (A)	160,000	21,425
Harbour Centre Development, Ltd. (A)	38,000	34,824
HK Electric Investments, Ltd.	54,500	32,880
HKBN, Ltd.	36,000	16,089
HKR International, Ltd.	51,920	9,856
Hong Kong Ferry Holdings Company, Ltd.	29,000	17,053
Hong Kong Technology Venture Company, Ltd. (A)	28,000	9,499
Hongkong Chinese, Ltd. (A)	66,000	2,703
Hsin Chong Group Holdings, Ltd. (A)(C)	170,000	7,620
Hutchison Port Holdings Trust	161,400	23,875
Hutchison Telecommunications Hong Kong Holdings, Ltd.	80,000	10,958
Hysan Development Company, Ltd.	25,000	49,630
Johnson Electric Holdings, Ltd.	20,883	33,170

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
K Wah International Holdings, Ltd.	80,000	\$ 19,973
Kerry Logistics Network, Ltd.	16,500	17,364
Kerry Properties, Ltd.	23,500	42,992
Kowloon Development Company, Ltd.	22,000	16,659
Lai Sun Development Company, Ltd. (A)	22,980	2,496
Langham Hospitality Investments, Ltd.	22,500	1,931
Lippo China Resources, Ltd. (A)	3,600	382
Liu Chong Hing Investment, Ltd.	16,000	11,060
Luk Fook Holdings International, Ltd.	15,000	40,271
Man Wah Holdings, Ltd.	61,600	42,248
Mandarin Oriental International, Ltd.	8,000	12,471
MH Development, Ltd. (A)(C)	16,000	1,070
Midland Holdings, Ltd. (A)	34,734	2,180
Miramar Hotel & Investment	15,000	20,569
Modern Dental Group, Ltd.	20,000	11,016
New World Development Company, Ltd.	38,000	58,920
NewOcean Energy Holdings, Ltd. (A)(C)	66,000	297
Nissin Foods Company, Ltd.	22,000	17,601
NWS Holdings, Ltd.	64,000	60,340
Oriental Watch Holdings	18,000	9,683
Oshidori International Holdings, Ltd. (A)	204,000	5,273
Pacific Andes International Holdings, Ltd. (A)(C)	328,006	0
Pacific Basin Shipping, Ltd.	239,000	78,650
Pacific Century Premium Developments, Ltd. (A)	2,376	74
Pacific Textiles Holdings, Ltd.	42,000	7,261
Paliburg Holdings, Ltd. (A)	46,000	4,531
PC Partner Group, Ltd.	12,000	4,816
PCCW, Ltd.	156,590	83,445
Peace Mark Holdings, Ltd. (A)(C)	164,000	0
Perfect Medical Health Management, Ltd.	32,000	13,522
Pico Far East Holdings, Ltd.	60,000	11,833
Public Financial Holdings, Ltd.	24,000	4,948
Realord Group Holdings, Ltd. (A)(B)	6,000	4,211
Regal Hotels International Holdings, Ltd. (A)	36,000	13,284
Regina Miracle International Holdings, Ltd. (D)	17,000	4,685
Shangri-La Asia, Ltd. (A)	46,000	31,606
Shun Tak Holdings, Ltd. (A)	80,250	10,383
Singamas Container Holdings, Ltd.	114,000	7,589
SITC International Holdings Company, Ltd.	37,000	63,863
SJM Holdings, Ltd. (A)	118,750	37,557
SmarTone Telecommunications Holdings, Ltd.	31,500	16,376
Solomon Systech International, Ltd. (A)	72,000	2,952
South China Holdings Company, Ltd. (A)	640,000	3,608
Stella International Holdings, Ltd.	20,000	23,598
Sun Hung Kai & Company, Ltd.	45,000	14,062
SUNeVision Holdings, Ltd.	31,000	12,275
Tao Heung Holdings, Ltd.	14,000	1,346
Television Broadcasts, Ltd. (A)(B)	19,100	7,745
Texhong International Group, Ltd. (A)	11,000	6,182
Texwinca Holdings, Ltd.	60,000	7,377
The Bank of East Asia, Ltd.	33,715	41,614
The Hongkong & Shanghai Hotels, Ltd. (A)	31,903	23,885
Theme International Holdings, Ltd. (A)	130,000	7,992
Town Health International Medical Group, Ltd.	261,361	10,864
Tradelink Electronic Commerce, Ltd.	50,000	5,691
Transport International Holdings, Ltd.	12,312	14,841

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
United Laboratories International Holdings, Ltd.	42,000	\$ 37,729
Upbest Group, Ltd.	164,000	13,473
Value Partners Group, Ltd.	40,000	10,964
Vitasoy International Holdings, Ltd.	34,000	33,888
Vobile Group, Ltd. (A)	73,000	22,538
VSTECs Holdings, Ltd.	47,200	26,592
VTech Holdings, Ltd.	6,900	41,665
Wai Kee Holdings, Ltd. (A)	24,000	2,831
Wealthink AI-Innovation Capital, Ltd. (A)	32,000	1,555
Wing On Company International, Ltd.	4,000	6,198
Wing Tai Properties, Ltd.	70,000	24,555
Xinyi Glass Holdings, Ltd.	34,000	38,188
Yue Yuen Industrial Holdings, Ltd.	30,000	33,249
Yunfeng Financial Group, Ltd. (A)	26,000	3,333
Zensun Enterprises, Ltd. (A)	21,000	580
Zhaobangji Lifestyle Holdings, Ltd. (A)	88,000	2,288
		2,081,799
Ireland - 0.5%		
Bank of Ireland Group PLC	9,529	86,508
C&C Group PLC	17,690	34,400
Cairn Homes PLC	24,718	36,128
COSMO Pharmaceuticals NV	753	45,558
Dalata Hotel Group PLC	6,155	31,382
FBD Holdings PLC	1,936	24,270
Glanbia PLC	6,256	103,145
Glenveagh Properties PLC (A)(D)	24,326	32,719
Grafton Group PLC, CHESS Depositary Interest	9,527	110,685
Greencore Group PLC (A)	23,830	29,313
Irish Continental Group PLC	5,309	25,385
Permanent TSB Group Holdings PLC (A)	5,786	10,870
		570,363
Isle of Man - 0.1%		
Playtech PLC (A)	11,001	62,984
Strix Group PLC	6,042	5,730
		68,714
Israel - 1.2%		
Adgar Investment and Development, Ltd.	4,535	6,401
AFI Properties, Ltd. (A)	603	26,645
Africa Israel Residences, Ltd.	355	18,257
Airport City, Ltd. (A)	1	10
Allot, Ltd. (A)	2,103	3,350
Alrov Properties and Lodgings, Ltd.	399	13,755
Arad, Ltd.	787	11,898
Ashdod Refinery, Ltd. (A)	345	7,678
AudioCodes, Ltd.	1,269	15,317
Aura Investments, Ltd.	10,003	28,244
Automatic Bank Services, Ltd.	1,109	4,890
Azorim-Investment Development & Construction Company, Ltd. (A)	3,848	15,597
Bet Shemesh Engines Holdings 1997, Ltd.	358	11,349
BioLine RX, Ltd. (A)	48,850	5,143
Blue Square Real Estate, Ltd.	215	14,291
Carasso Motors, Ltd.	2,020	8,672
Cellcom Israel, Ltd. (A)	4,807	19,713
Clal Biotechnology Industries, Ltd. (A)	1	0
Clal Insurance Enterprises Holdings, Ltd. (A)	2,090	33,288
Danel Adir Yeoshua, Ltd.	253	20,923
Delek Automotive Systems, Ltd.	1,858	11,939
Delta Galil, Ltd.	618	27,553
Dor Alon Energy in Israel 1988, Ltd.	420	8,295
Duniec Brothers, Ltd. (A)	217	11,805

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Israel (continued)		
Electra Consumer Products 1970, Ltd.	445	\$ 8,854
Electra Real Estate, Ltd.	1,543	17,431
Equital, Ltd. (A)	1,096	33,640
Formula Systems 1985, Ltd.	549	35,230
Fox Wizel, Ltd.	228	15,510
Gilat Satellite Networks, Ltd. (A)	1,452	8,900
Hamat Group, Ltd.	1,230	4,115
Hilan, Ltd.	803	42,252
IDI Insurance Company, Ltd.	440	11,748
IES Holdings, Ltd. (A)	120	7,987
Ilex Medical, Ltd.	211	3,376
Inrom Construction Industries, Ltd.	4,264	12,502
Isracard, Ltd.	6,691	23,699
Israel Canada T.R, Ltd.	6,076	18,145
Israel Discount Bank, Ltd., Class A	1	4
Israel Land Development Company, Ltd.	789	7,607
Isras Investment Company, Ltd.	142	29,384
Issta, Ltd. (A)	219	4,124
Kamada, Ltd. (A)	1,616	9,872
Kerur Holdings, Ltd.	418	7,376
Kvutzat Acro, Ltd.	1,118	12,059
Levinstein Properties, Ltd.	267	5,352
M Yochananof & Sons, Ltd.	155	6,802
Magic Software Enterprises, Ltd.	1,349	12,965
Malam - Team, Ltd.	476	6,406
Matrix IT, Ltd.	1,552	29,268
Maytronics, Ltd.	960	10,886
Mediterranean Towers, Ltd.	4,044	9,763
Mega Or Holdings, Ltd.	757	17,637
Mehadrin, Ltd. (A)	15	589
Migdal Insurance & Financial Holdings, Ltd.	19,833	22,566
Mivtach Shamir Holdings, Ltd. (A)	397	11,204
Naphtha Israel Petroleum Corp., Ltd.	2,030	10,380
Nawi Brothers, Ltd.	1,396	9,117
Neto Malinda Trading, Ltd. (A)	451	5,990
Novolog, Ltd.	20,186	8,083
Oil Refineries, Ltd.	102,102	34,410
One Software Technologies, Ltd.	1,700	21,711
OPC Energy, Ltd. (A)	1	6
Partner Communications Company, Ltd. (A)	5,179	25,630
Paz Oil Company, Ltd.	345	28,876
Perion Network, Ltd. (A)	689	21,645
Plasson Industries, Ltd.	241	9,411
Plus500, Ltd.	4,668	99,132
Prashkovsky Investments and Construction, Ltd.	318	7,334
Priortech, Ltd. (A)	398	13,465
Rami Levy Chain Stores Hashikma Marketing 2006, Ltd.	449	25,016
Retailors, Ltd.	748	14,807
Sano-Brunos Enterprises, Ltd.	145	9,925
Scope Metals Group, Ltd. (A)	377	11,077
Shikun & Binui, Ltd. (A)	1	3
Shufersal, Ltd. (A)	4,713	22,466
Summit Real Estate Holdings, Ltd.	2,363	35,461
Tadiran Group, Ltd.	86	6,370
Tamar Petroleum, Ltd. (D)	3,135	14,173
Tel Aviv Stock Exchange, Ltd.	3,160	16,857
Telsys, Ltd.	84	5,480
Tera Light, Ltd. (A)	32	63
Tiv Taam Holdings 1, Ltd.	3,848	5,512
Tremor International, Ltd. (A)(B)	2,825	7,339

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Israel (continued)		
YH Dimri Construction & Development, Ltd.	285	\$ 20,352
		1,262,357
Italy - 4.1%		
A2A SpA	70,456	144,722
ACEA SpA	2,494	38,121
Amplifon SpA	2,099	72,732
Anima Holding SpA (D)	9,201	40,747
Aquafil SpA	969	3,676
Arnoldo Mondadori Editore SpA	12,613	29,877
Ascopiave SpA	4,243	10,540
Avio SpA (A)	877	8,186
Azimut Holding SpA	5,155	134,754
Banca Generali SpA	2,463	91,619
Banca IFIS SpA	1,607	27,900
Banca Mediolanum SpA	3,807	35,957
Banca Monte dei Paschi di Siena SpA (A)	7,371	24,884
Banca Popolare di Sondrio SpA	19,792	128,321
Banca Profilo SpA	24,032	5,390
Banco BPM SpA	68,596	363,486
Banco di Desio e della Brianza SpA	2,610	10,512
BasicNet SpA	1,571	7,873
BFF Bank SpA (D)	6,472	73,837
BPER Banca	49,221	165,026
Brembo SpA	5,497	67,483
Brunello Cucinelli SpA	1,733	169,613
Buzzi SpA	4,791	145,716
Cairo Communication SpA	4,712	9,421
Carel Industries SpA (D)	1,809	49,547
Cembre SpA	370	15,202
Cementir Holding NV	4,165	43,909
CIR SpA-Compagnie Industriali (A)	60,979	28,987
Credito Emiliano SpA	4,857	43,202
Danieli & C Officine Meccaniche SpA	788	25,556
Danieli & C Officine Meccaniche SpA, Savings Shares	2,118	50,798
De' Longhi SpA	2,969	100,181
doValue SpA (D)	5,440	20,598
Enav SpA (D)	8,617	32,730
ERG SpA	926	29,541
Esprinet SpA	2,412	14,654
Eurotech SpA (A)	1,562	4,261
Fila SpA	2,245	21,799
Fincantieri SpA (A)(B)	18,635	11,483
Garofalo Health Care SpA (A)	1,776	9,101
Geox SpA (A)	8,390	6,760
Gruppo MutuiOnline SpA	424	14,961
Hera SpA	37,774	124,046
Illimity Bank SpA	5,067	30,556
IMMSI SpA	6,756	4,254
Intercos SpA	1,065	16,800
Interpump Group SpA	3,216	166,848
Iren SpA	30,720	67,058
Italgas SpA	22,890	131,065
Italmobiliare SpA	1,039	31,834
Iveco Group NV (A)	8,389	75,637
Leonardo SpA	19,212	317,441
Maire Tecnimont SpA	10,323	56,107
MFE-MediaForEurope NV, Class A	10,783	28,111
MFE-MediaForEurope NV, Class B	3,783	13,643
OVS SpA (D)	11,708	29,412
Pharmanutra SpA	268	16,705
Piaggio & C SpA	11,658	38,392
Piovan SpA (D)	884	10,462
Pirelli & C. SpA (D)	12,309	67,161

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
RAI Way SpA (D)	5,678	\$ 32,061
Reply SpA	1,004	132,697
Sabaf SpA (A)	338	6,461
Salvatore Ferragamo SpA (B)	2,452	33,117
Sanlorenzo SpA/Ameglia	556	26,051
Saras SpA	32,800	58,547
Sesa SpA	391	53,154
Sogefi SpA (A)	3,551	8,025
SOL SpA	1,909	58,781
Tamburi Investment Partners SpA	4,666	47,961
Technogym SpA (D)	6,815	68,284
Telecom Italia SpA (A)	305,003	99,235
Tod's SpA (A)	319	12,034
Unieuro SpA (B)(D)	1,088	12,480
Unipol Gruppo SpA	19,628	112,017
UnipolSai Assicurazioni SpA	13,115	32,772
Webuild SpA (B)	14,544	29,401
Zignago Vetro SpA	1,669	26,311
		4,408,584
Japan - 24.1%		
A&D HOLON Holdings Company, Ltd.	900	11,452
Achilles Corp.	1,000	10,930
Adastria Company, Ltd.	1,620	39,857
ADEKA Corp.	3,600	73,068
Ad-sol Nissin Corp.	800	8,826
Advan Group Company, Ltd.	1,000	7,587
Aeon Delight Company, Ltd.	1,400	35,322
Aeon Fantasy Company, Ltd.	400	7,413
AEON Financial Service Company, Ltd.	2,800	25,073
Aeon Hokkaido Corp.	1,800	11,807
Aeria, Inc.	700	1,482
Ai Holdings Corp.	1,900	31,427
Aica Kogyo Company, Ltd.	1,800	43,478
Aichi Corp.	3,200	24,672
Aichi Financial Group, Inc.	998	16,264
Aichi Steel Corp.	700	15,706
Aichi Tokei Denki Company, Ltd.	900	14,944
Aida Engineering, Ltd.	4,500	26,278
Aiful Corp.	8,600	23,136
Ain Holdings, Inc.	1,100	34,835
Aiphone Company, Ltd.	600	11,492
Airport Facilities Company, Ltd.	1,200	5,014
Airtrip Corp.	900	11,790
Aisan Industry Company, Ltd.	2,500	20,826
Aizawa Securities Group Company, Ltd.	2,400	19,834
Akatsuki, Inc.	400	7,169
Akebono Brake Industry Company, Ltd. (A)	9,400	7,458
Albis Company, Ltd.	500	9,308
Alconix Corp.	1,600	15,065
Alpen Company, Ltd. (B)	1,100	15,132
Alps Alpine Company, Ltd.	7,000	60,847
Altech Corp.	1,100	20,726
Amano Corp.	2,200	52,083
Amuse, Inc.	400	4,204
Amvis Holdings, Inc.	300	6,382
Anest Iwata Corp.	1,800	14,122
AnGes, Inc. (A)	6,300	3,214
Anicom Holdings, Inc.	3,700	14,220
Anritsu Corp.	6,700	64,557
AOKI Holdings, Inc.	3,100	25,030
Aoyama Trading Company, Ltd.	2,500	26,210
Aoyama Zaisan Networks Company, Ltd.	1,100	8,077
Arakawa Chemical Industries, Ltd.	1,400	10,058
Arata Corp.	1,400	30,815

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
ARCLANDS Corp.	2,870	\$ 34,153
Arcs Company, Ltd.	2,125	41,876
ARE Holdings, Inc.	3,600	49,761
Arealink Company, Ltd.	500	9,527
Argo Graphics, Inc.	1,000	25,930
Arisawa Manufacturing Company, Ltd.	2,900	21,564
Aruhi Corp.	500	2,912
As One Corp.	1,000	39,617
Asahi Company, Ltd.	800	7,186
Asahi Diamond Industrial Company, Ltd.	3,900	23,269
Asahi Yukizai Corp.	1,200	32,201
Asia Pile Holdings Corp.	3,300	16,409
ASKA Pharmaceutical Holdings Company, Ltd.	1,600	20,217
ASKUL Corp.	2,000	30,420
Atsugi Company, Ltd. (A)	1,200	4,362
Aucnet, Inc.	1,100	14,225
Autobacs Seven Company, Ltd.	3,400	37,585
Avant Group Corp.	900	9,055
Avex, Inc.	2,800	27,131
Axial Retailing, Inc.	800	23,530
AZ-COM MARUWA Holdings, Inc.	3,100	33,534
Bando Chemical Industries, Ltd.	2,500	27,426
Bank of the Ryukyus, Ltd.	3,000	23,477
Belc Company, Ltd.	500	22,129
Bell System24 Holdings, Inc.	2,400	29,733
Belluna Company, Ltd.	3,300	14,537
Benefit One, Inc. (B)	1,100	16,515
Bengo4.com, Inc. (A)(B)	300	9,237
Bic Camera, Inc.	3,800	36,200
BML, Inc.	1,000	21,243
Bourbon Corp.	500	8,141
Br. Holdings Corp.	2,300	5,783
BrainPad, Inc.	900	7,020
Bunka Shutter Company, Ltd.	4,000	39,698
Business Brain Showa-Ota, Inc.	700	10,814
C Uyemura & Company, Ltd.	500	39,173
CAC Holdings Corp.	900	11,091
Canon Electronics, Inc.	1,700	24,598
Carenet, Inc. (B)	1,200	9,320
Carlit Holdings Company, Ltd.	2,100	13,809
Cawachi, Ltd.	900	16,924
CellSource Company, Ltd. (B)	600	5,430
Celsys, Inc.	3,200	16,281
Central Automotive Products, Ltd.	500	14,746
Central Glass Company, Ltd.	1,400	26,402
Central Security Patrols Company, Ltd.	700	12,624
Central Sports Company, Ltd.	600	10,422
Ceres, Inc.	600	5,183
Change Holdings, Inc.	1,700	17,060
Charm Care Corp. KK	1,000	8,962
Chilled & Frozen Logistics Holdings Company, Ltd.	1,600	16,392
Chino Corp.	400	6,188
Chiyoda Company, Ltd.	800	4,872
Chiyoda Corp. (A)	9,100	21,961
Chiyoda Integre Company, Ltd.	800	15,850
Chofu Seisakusho Company, Ltd.	1,700	24,474
Chori Company, Ltd.	1,200	23,997
Chubu Shiryo Company, Ltd.	2,000	15,539
Chudenko Corp.	1,900	34,709
Chuetsu Pulp & Paper Company, Ltd.	500	6,536
Chugai Ro Company, Ltd.	500	8,276
Chugin Financial Group, Inc.	6,700	47,500
CI Takiron Corp.	3,000	13,940

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Citizen Watch Company, Ltd.	8,700	\$ 51,741
CKD Corp.	2,400	43,112
Cleanup Corp.	2,100	10,182
CMIC Holdings Company, Ltd.	1,200	22,445
CMK Corp.	3,700	21,720
COLOPL, Inc.	3,200	13,389
Colowide Company, Ltd.	3,200	50,350
Comture Corp.	1,000	13,076
COOKPAD, Inc. (A)	2,700	2,256
Corona Corp.	300	2,027
Cosel Company, Ltd.	1,200	11,674
Cota Company, Ltd.	585	6,503
CRE, Inc.	800	7,991
Create Restaurants Holdings, Inc.	5,800	44,928
Create SD Holdings Company, Ltd.	1,700	36,897
Creek & River Company, Ltd.	800	12,441
Cresco, Ltd.	800	10,862
CTS Company, Ltd.	1,900	8,750
Curves Holdings Company, Ltd.	2,000	9,230
Cybozu, Inc.	2,000	30,841
Dai Nippon Toryo Company, Ltd.	1,200	8,663
Daicel Corp.	4,100	39,640
Dai-Dan Company, Ltd.	2,000	20,183
Daido Metal Company, Ltd.	1,900	7,396
Daido Steel Company, Ltd.	4,000	42,432
Daihen Corp.	1,100	50,195
Daiho Corp.	800	21,054
Daiichi Jitsugyo Company, Ltd.	1,200	16,691
Daiichi Kensetsu Corp.	1,300	15,338
Daiichi Kigenso Kagaku-Kogyo Company, Ltd.	1,800	12,586
Daiichikosho Company, Ltd.	2,800	41,340
Daiken Medical Company, Ltd.	400	1,454
Daiki Aluminium Industry Company, Ltd.	3,000	25,044
Daikoku Denki Company, Ltd. (B)	800	18,964
Daikokutenbussan Company, Ltd.	300	15,988
Daikyonishikawa Corp.	1,900	9,191
Dainichiseika Color & Chemicals Manufacturing Company, Ltd.	300	5,365
Daio Paper Corp.	4,200	33,397
Daiseki Company, Ltd.	1,360	37,682
Daishi Hokuetsu Financial Group, Inc.	1,100	29,840
Daishinku Corp.	1,600	9,731
Daito Pharmaceutical Company, Ltd.	770	10,391
Daitron Company, Ltd.	600	11,885
Daiwa Industries, Ltd.	2,000	21,352
Daiwabo Holdings Company, Ltd.	4,000	87,360
DCM Holdings Company, Ltd.	5,100	46,736
DeNA Company, Ltd.	2,700	26,330
Denka Company, Ltd.	1,700	30,040
Densan System Holdings Company, Ltd.	700	13,713
Denyo Company, Ltd.	900	14,784
Dexerials Corp.	2,500	72,856
DIC Corp. (B)	2,700	52,966
Digital Arts, Inc.	700	25,418
Digital Hearts Holdings Company, Ltd.	900	6,437
Digital Holdings, Inc.	600	5,321
Dip Corp.	1,400	31,828
Direct Marketing MiX, Inc.	900	2,812
DKK Company, Ltd.	1,000	15,753
DKS Company, Ltd.	400	5,556
DMG Mori Company, Ltd. (B)	2,700	51,526
Doshisha Company, Ltd.	1,700	25,078
Doutor Nichires Holdings Company, Ltd.	2,300	35,490
Dowa Holdings Company, Ltd.	1,300	47,383

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
DTS Corp.	1,800	\$ 44,895
Duskin Company, Ltd.	1,600	37,989
DyDo Group Holdings, Inc.	700	29,020
Eagle Industry Company, Ltd.	2,200	24,903
Ebara Jitsugyo Company, Ltd.	800	16,747
Ebase Company, Ltd.	1,200	6,639
EDION Corp.	2,700	30,083
EF-ON, Inc.	1,500	4,766
eGuarantee, Inc.	2,000	28,966
E-Guardian, Inc.	284	3,243
Eiken Chemical Company, Ltd.	1,800	21,786
Eizo Corp.	800	27,942
Elan Corp.	2,800	22,109
Elecom Company, Ltd.	1,600	19,887
Elematec Corp.	1,400	17,363
EM Systems Company, Ltd.	1,400	6,908
en-japan, Inc.	2,100	40,474
Enplas Corp. (B)	300	25,429
eRex Company, Ltd. (B)	1,900	10,502
ES-Con Japan, Ltd.	1,500	9,885
ESPEC Corp.	1,600	26,684
Exedy Corp.	1,900	34,891
EXEO Group, Inc.	2,500	55,498
Ezaki Glico Company, Ltd.	2,000	59,195
Fancl Corp.	1,100	18,474
FCC Company, Ltd.	2,200	27,093
FDK Corp. (A)	1,100	5,453
Feed One Company, Ltd.	1,600	9,237
Ferrotec Holdings Corp.	2,000	37,540
FIDEA Holdings Company, Ltd.	2,140	22,874
Financial Partners Group Company, Ltd.	1,100	13,087
Fixstars Corp.	2,000	18,241
Food & Life Companies, Ltd.	4,000	81,963
Foster Electric Company, Ltd.	2,100	15,608
FP Corp.	1,100	23,135
France Bed Holdings Company, Ltd.	2,200	20,816
Fudo Tetra Corp.	1,080	17,291
Fuji Corp. (Aichi)	2,600	44,613
Fuji Corp., Ltd.	1,300	6,509
Fuji Kyuko Company, Ltd.	800	23,893
Fuji Oil Company, Ltd.	4,400	11,363
Fuji Oil Holdings, Inc.	2,500	43,007
Fuji Pharma Company, Ltd.	1,400	17,243
Fuji Seal International, Inc.	2,100	25,477
Fujibo Holdings, Inc.	700	18,613
Fujicco Company, Ltd.	1,500	20,631
Fujikura Kasei Company, Ltd.	2,000	6,059
Fujikura, Ltd.	7,500	57,481
Fujimi, Inc.	2,400	53,208
Fujimori Kogyo Company, Ltd.	800	21,400
Fujisash Company, Ltd.	4,900	2,500
Fujitsu General, Ltd.	2,000	32,841
Fujiya Company, Ltd.	500	8,620
Fukuda Corp.	200	7,127
Fukuda Denshi Company, Ltd.	700	36,535
Fukui Computer Holdings, Inc.	300	5,352
Fukushima Galilei Company, Ltd.	500	17,260
Fukuyama Transporting Company, Ltd.	1,000	28,686
FULLCAST Holdings Company, Ltd.	1,000	12,961
Funai Soken Holdings, Inc.	1,800	32,656
Furukawa Company, Ltd.	1,900	25,642
Furukawa Electric Company, Ltd.	2,900	45,486
Furuno Electric Company, Ltd.	2,400	31,482
Furuya Metal Company, Ltd.	300	20,260
Furyu Corp.	1,300	12,823

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Fuso Chemical Company, Ltd.	1,000	\$ 29,536
Fuso Pharmaceutical Industries, Ltd.	500	6,700
Futaba Corp. (A)	1,600	5,933
Futaba Industrial Company, Ltd.	3,400	19,462
Future Corp.	2,400	29,976
Fuyo General Lease Company, Ltd.	400	34,647
G-7 Holdings, Inc.	2,000	16,974
Gakken Holdings Company, Ltd.	1,600	11,188
Gecoss Corp.	400	3,000
Genki Sushi Company, Ltd.	1,000	21,920
Genky DrugStores Company, Ltd.	600	23,212
Geo Holdings Corp.	2,700	40,561
GLOBERIDE, Inc.	1,200	17,037
Glory, Ltd.	2,100	40,002
GMO Financial Gate, Inc.	400	29,589
GMO Financial Holdings, Inc.	1,600	8,531
GMO GlobalSign Holdings KK	500	9,678
GMO internet group, Inc.	2,800	50,769
Goldcrest Company, Ltd.	990	15,484
Golf Digest Online, Inc.	800	3,861
Gremz, Inc.	800	11,880
GS Yuasa Corp.	3,000	42,097
G-Tekt Corp.	1,200	14,561
Gun-Ei Chemical Industry Company, Ltd.	400	8,799
GungHo Online Entertainment, Inc.	2,000	33,296
Gunze, Ltd.	800	28,330
H.U. Group Holdings, Inc.	1,600	30,191
H2O Retailing Corp.	2,600	28,106
Hagihara Industries, Inc.	800	8,179
Hagiwara Electric Holdings Company, Ltd.	500	17,218
Hakudo Company, Ltd.	600	9,887
Hakuto Company, Ltd.	700	26,886
Halows Company, Ltd.	600	18,229
Hamakyorex Company, Ltd.	1,000	28,145
Hanwa Company, Ltd.	1,500	52,966
Happinet Corp.	1,000	19,593
Harmonic Drive Systems, Inc.	600	17,653
Hazama Ando Corp.	5,490	43,362
Heiwa Corp.	1,500	22,303
Heiwa Real Estate Company, Ltd.	1,500	40,002
Heiwado Company, Ltd.	2,000	30,219
Henнге KK (A)	1,000	8,536
Hibiya Engineering, Ltd.	1,500	26,215
Hiday Hidaka Corp.	600	12,098
HI-LEX Corp.	600	5,771
Hino Motors, Ltd. (A)	10,400	34,058
Hioki EE Corp.	500	22,355
Hirano Tecseed Company, Ltd.	1,100	14,019
Hirogin Holdings, Inc.	10,600	67,680
Hiroshima Gas Company, Ltd.	4,900	13,260
Hisaka Works, Ltd.	2,000	13,067
Hitachi Zosen Corp.	5,500	36,448
Hochiki Corp.	600	7,424
Hodogaya Chemical Company, Ltd.	700	18,441
Hokkaido Electric Power Company, Inc.	8,600	38,069
Hokkaido Gas Company, Ltd.	600	9,356
Hokkan Holdings, Ltd.	1,000	11,522
Hokko Chemical Industry Company, Ltd.	700	5,318
Hokkoku Financial Holdings, Inc.	900	29,424
Hokuetsu Corp. (B)	4,900	49,122
Hokuetsu Industries Company, Ltd.	2,000	35,728
Hokuhoku Financial Group, Inc.	4,900	52,777
Hokuriku Electric Power Company (A)	7,400	38,476
Hokuto Corp.	1,600	19,690
H-One Company, Ltd.	1,000	5,579

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Honeys Holdings Company, Ltd.	1,350	\$ 16,675
Hoosiers Holdings Company, Ltd.	3,400	25,624
Hosiden Corp.	3,000	36,504
Hosokawa Micron Corp.	1,000	27,925
HS Holdings Company, Ltd.	1,000	7,150
IBJ, Inc.	1,800	9,038
Ichikoh Industries, Ltd.	2,300	8,229
Ichinen Holdings Company, Ltd.	1,900	21,041
Ichiyoshi Securities Company, Ltd.	2,800	14,012
Icom, Inc.	500	12,750
IDEC Corp.	1,600	32,480
IDOM, Inc.	3,900	26,791
Iino Kaiun Kaisha, Ltd.	4,600	38,588
IJTT Company, Ltd.	1,200	7,305
I'll, Inc.	1,100	24,855
Imasen Electric Industrial	500	2,358
Imuraya Group Company, Ltd.	300	5,020
Inaba Denki Sangyo Company, Ltd.	2,100	50,540
Inaba Seisakusho Company, Ltd.	200	2,079
Inabata & Company, Ltd.	2,000	44,441
Inageya Company, Ltd.	300	2,700
Ines Corp.	900	10,274
i-Net Corp.	900	11,781
Infocom Corp.	1,000	17,534
Information Services		
International-Dentsu, Ltd.	700	28,933
Insource Company, Ltd.	3,800	23,771
Intage Holdings, Inc.	468	5,381
Integrated Design & Engineering Holdings		
Company, Ltd.	1,000	23,975
Inter Action Corp.	800	6,131
Inui Global Logistics Company, Ltd. (B)	1,600	12,290
I-PEX, Inc.	500	5,454
IR Japan Holdings, Ltd.	400	4,292
Iriso Electronics Company, Ltd.	1,000	26,158
Iseki & Company, Ltd.	1,200	9,180
Ishihara Sangyo Kaisha, Ltd.	2,100	20,006
ITFOR, Inc.	1,000	8,469
ITmedia, Inc.	900	6,234
Itochu Enex Company, Ltd.	3,800	41,363
Itochu-Shokuhin Company, Ltd.	300	16,804
Itoham Yonekyu Holdings, Inc.	1,500	40,995
Itoki Corp.	2,100	19,983
IwaiCosmo Holdings, Inc.	900	11,706
Iyogin Holdings, Inc.	7,000	46,912
Izumi Company, Ltd.	1,400	35,871
J Trust Company, Ltd.	6,286	20,398
JAC Recruitment Company, Ltd.	4,800	22,065
Jaccs Company, Ltd.	900	33,052
Jade Group, Inc. (A)	400	5,974
JAFCO Group Company, Ltd.	3,100	36,207
JANOME Corp.	1,200	5,761
Japan Aviation Electronics Industry, Ltd.	2,300	52,461
Japan Cash Machine Company, Ltd.	700	6,530
Japan Communications, Inc. (A)	15,200	24,543
Japan Electronic Materials Corp.	1,800	23,027
Japan Elevator Service Holdings		
Company, Ltd.	3,300	54,580
Japan Investment Adviser Company, Ltd.	1,000	9,416
Japan Lifeline Company, Ltd.	4,400	39,325
Japan Material Company, Ltd.	2,900	51,457
Japan Medical Dynamic Marketing, Inc.	900	4,837
Japan Petroleum Exploration		
Company, Ltd.	1,200	44,478

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Japan Property Management Center		
Company, Ltd.	800	\$ 6,344
Japan Pulp & Paper Company, Ltd.	600	21,157
Japan Securities Finance Company, Ltd.	3,300	36,182
Japan Transcity Corp.	3,100	13,470
Japan Wool Textile Company, Ltd.	4,000	38,019
Jastec Company, Ltd.	400	4,047
JBCC Holdings, Inc.	1,200	31,497
JCR Pharmaceuticals Company, Ltd.	2,900	24,040
JCU Corp.	1,300	36,592
Jeol, Ltd.	2,000	87,435
Jimoto Holdings, Inc.	980	3,830
JINS Holdings, Inc.	800	26,633
JINUSHI Company, Ltd. (B)	1,100	17,004
JM Holdings Company, Ltd.	600	9,421
JMS Company, Ltd.	500	1,781
J-Oil Mills, Inc.	1,200	16,440
Joshin Denki Company, Ltd.	1,100	18,918
Joyful Honda Company, Ltd.	1,900	24,850
JSB Company, Ltd.	800	14,202
JSP Corp.	800	10,384
Juki Corp.	1,400	4,579
Juroku Financial Group, Inc.	1,300	34,278
Justsystems Corp.	1,500	34,742
JVCKenwood Corp.	6,770	35,478
K&O Energy Group, Inc.	800	12,548
Kaga Electronics Company, Ltd.	600	26,000
Kagome Company, Ltd.	2,300	51,163
Kaken Pharmaceutical Company, Ltd.	1,200	28,522
Kakiyasu Honten Company, Ltd.	500	8,744
Kamakura Shinsho, Ltd. (B)	1,200	4,695
Kameda Seika Company, Ltd.	700	20,363
Kamei Corp.	2,000	24,194
Kanaden Corp.	1,100	12,112
Kanagawa Chuo Kotsu Company, Ltd.	700	14,868
Kanamic Network Company, Ltd.	600	1,788
Kanamoto Company, Ltd.	1,900	39,340
Kandenko Company, Ltd.	4,700	45,847
Kaneka Corp.	2,300	58,301
Kanematsu Corp.	3,500	51,139
Kanto Denka Kogyo Company, Ltd.	2,000	12,139
Kasai Kogyo Company, Ltd. (A)	1,000	1,364
Katakura Industries Company, Ltd.	1,700	19,712
Katitas Company, Ltd.	1,800	27,892
Kato Sangyo Company, Ltd.	1,100	35,773
Kato Works Company, Ltd.	400	3,580
Kawada Technologies, Inc.	200	9,246
KeePer Technical Laboratory		
Company, Ltd.	500	24,660
Keihanshin Building Company, Ltd.	2,000	20,123
Kenko Mayonnaise Company, Ltd.	900	10,834
KFC Holdings Japan, Ltd.	1,500	32,653
KH Neochem Company, Ltd.	1,500	24,080
Kimoto Company, Ltd.	3,000	4,144
King Jim Company, Ltd.	1,400	8,626
Kissei Pharmaceutical Company, Ltd.	1,700	37,175
Ki-Star Real Estate Company, Ltd.	600	13,352
Kitz Corp.	4,600	39,231
Koa Corp.	1,700	18,609
Koatsu Gas Kogyo Company, Ltd.	3,000	18,843
Kobe Electric Railway Company, Ltd. (A)	300	6,232
Kohnan Shoji Company, Ltd.	1,200	33,371
Kojima Company, Ltd.	3,000	16,620
Kokuyo Company, Ltd.	2,900	47,080
Komatsu Matere Company, Ltd.	1,700	9,632

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
KOMEDA Holdings Company, Ltd.	2,000	\$ 38,895
Komeri Company, Ltd.	1,500	32,849
Komori Corp.	3,700	29,858
Kondotec, Inc.	1,300	10,648
Konica Minolta, Inc.	14,200	41,484
Konishi Company, Ltd.	4,400	42,095
Konoike Transport Company, Ltd.	2,600	35,880
Kotobuki Spirits Company, Ltd.	2,500	38,213
Krosaki Harima Corp.	400	33,214
KRS Corp.	1,100	7,043
K's Holdings Corp.	7,100	66,469
Kumagai Gumi Company, Ltd.	1,800	45,962
Kumiai Chemical Industry Company, Ltd.	3,400	19,410
Kurabo Industries, Ltd.	1,600	32,745
Kureha Corp.	1,500	30,575
Kurimoto, Ltd.	1,000	21,724
Kusuri no Aoki Holdings Company, Ltd.	2,100	47,683
KYB Corp.	1,000	34,679
Kyodo Printing Company, Ltd.	500	11,442
Kyoei Steel, Ltd.	1,800	25,444
Kyokuto Kaihatsu Kogyo Company, Ltd.	2,300	31,978
Kyokuto Securities Company, Ltd.	2,300	15,674
Kyokuyo Company, Ltd.	700	18,702
Kyorin Pharmaceutical Company, Ltd.	1,900	23,964
Kyoritsu Maintenance Company, Ltd.	1,400	59,374
Kyosan Electric Manufacturing Company, Ltd.	2,000	6,684
Kyudenko Corp.	1,100	39,600
Kyushu Financial Group, Inc.	10,400	59,926
LAC Company, Ltd.	1,400	6,993
Lacto Japan Company, Ltd.	800	10,879
LEC, Inc.	1,600	11,727
Leopalace21 Corp. (A)	6,400	19,371
Life Corp.	800	18,722
LIFULL Company, Ltd.	3,800	4,812
Link And Motivation, Inc.	2,300	9,058
Lintec Corp.	1,900	36,985
Litalico, Inc.	1,300	18,980
M&A Capital Partners Company, Ltd.	600	10,325
Mabuchi Motor Company, Ltd.	4,400	72,882
Macromill, Inc.	2,300	12,789
Maeda Kosen Company, Ltd.	1,100	23,633
Maezawa Kasei Industries Company, Ltd. (B)	1,100	11,882
Maezawa Kyuso Industries Company, Ltd.	1,800	16,891
Makino Milling Machine Company, Ltd.	1,200	49,827
Management Solutions Company, Ltd.	1,300	31,629
Mandom Corp.	1,600	14,474
Mani, Inc.	3,500	52,829
MarkLines Company, Ltd.	400	8,327
Mars Group Holdings Corp.	700	12,241
Marubun Corp.	200	2,285
Marudai Food Company, Ltd.	1,600	18,438
Maruha Nichiro Corp.	1,400	27,558
Maruichi Steel Tube, Ltd.	2,700	70,085
Maruwa Company, Ltd.	300	62,547
Maruzen Company, Ltd.	800	15,710
Maruzen Showa Unyu Company, Ltd.	800	22,143
Marvelous, Inc.	1,400	7,072
Matsuda Sangyo Company, Ltd.	1,400	23,746
Matsui Securities Company, Ltd.	4,900	25,406
Max Company, Ltd.	2,000	46,489
Maxell, Ltd.	2,200	24,291
Maxvalu Tokai Company, Ltd.	1,100	23,238
MCJ Company, Ltd.	3,200	24,853

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
MEC Company, Ltd.	1,500	\$ 46,600
Media Do Company, Ltd. (A)	600	6,123
Medical Data Vision Company, Ltd.	1,700	7,871
Medikit Company, Ltd.	500	10,283
Medley, Inc. (A)	800	24,897
MedPeer, Inc.	600	3,037
Megachips Corp.	1,100	36,415
Megmilk Snow Brand Company, Ltd.	2,800	41,974
Meidensha Corp.	1,800	30,996
Meiko Electronics Company, Ltd.	1,200	35,349
Meisei Industrial Company, Ltd.	3,000	22,792
MEITEC Group Holdings, Inc.	3,100	62,026
Meito Sangyo Company, Ltd.	900	10,820
Melco Holdings, Inc.	500	12,206
Members Company, Ltd.	400	2,722
Menicon Company, Ltd.	2,500	41,540
METAWATER Company, Ltd.	1,600	24,772
Micronics Japan Company, Ltd.	1,600	41,501
Midac Holdings Company, Ltd.	500	7,450
Mie Kotsu Group Holdings, Inc.	3,700	15,804
Milbon Company, Ltd.	912	23,847
Mimasu Semiconductor Industry Company, Ltd.	1,400	31,661
Ministop Company, Ltd.	1,100	11,931
MIRAIT ONE Corp.	4,240	55,824
Mirarth Holdings, Inc.	6,300	20,688
Miroku Jyoho Service Company, Ltd.	700	8,699
Mitani Corp.	2,000	27,627
Mitani Sekisan Company, Ltd.	600	20,298
Mito Securities Company, Ltd.	6,300	18,769
Mitsuba Corp.	2,300	15,924
Mitsubishi Logisnext Company, Ltd.	1,000	9,774
Mitsubishi Logistics Corp.	1,200	36,072
Mitsubishi Materials Corp.	1,900	32,909
Mitsubishi Paper Mills, Ltd.	2,600	10,176
Mitsubishi Pencil Company, Ltd.	1,500	22,160
Mitsubishi Research Institute, Inc.	500	16,387
Mitsubishi Shokuhin Company, Ltd.	600	20,425
Mitsubishi Steel Manufacturing Company, Ltd.	1,000	10,457
Mitsui DM Sugar Holdings Company, Ltd.	1,000	21,044
Mitsui E&S Company, Ltd. (A)	4,600	22,972
Mitsui High-Tec, Inc.	500	26,012
Mitsui Matsushima Holdings Company, Ltd.	1,000	18,659
Mitsui Mining & Smelting Company, Ltd.	2,200	67,459
Mitsui-Soko Holdings Company, Ltd.	900	29,974
Mitsuuroko Group Holdings Company, Ltd.	3,200	35,913
Mixi, Inc.	1,800	30,105
Mizuho Leasing Company, Ltd.	1,400	47,939
Mizuno Corp.	1,400	38,912
Mochida Pharmaceutical Company, Ltd.	900	20,834
Modec, Inc. (A)	1,800	29,485
Monex Group, Inc.	8,000	40,644
Morinaga & Company, Ltd.	3,000	54,425
Morinaga Milk Industry Company, Ltd.	3,000	58,073
Morita Holdings Corp.	2,200	24,193
Morozoff, Ltd.	500	13,465
MrMax Holdings, Ltd.	1,700	7,526
m-up Holdings, Inc.	2,000	15,236
Musashi Seimitsu Industry Company, Ltd.	2,600	27,744
Nachi-Fujikoshi Corp.	600	15,600
Nafco Company, Ltd.	1,100	14,513
Nagano Keiki Company, Ltd.	1,800	26,000

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nagase & Company, Ltd.	4,400	\$ 70,372
Nagatanien Holdings Company, Ltd.	1,000	15,205
Nagawa Company, Ltd.	300	15,146
Nakamura Company, Ltd.	300	6,509
Nakanishi, Inc.	2,600	43,624
Nakayama Steel Works, Ltd.	1,100	6,345
Namura Shipbuilding Company, Ltd.	3,252	29,083
Nankai Electric Railway Company, Ltd.	3,000	60,884
Natori Company, Ltd.	700	10,358
NEC Capital Solutions, Ltd.	800	19,001
NEC Networks & System Integration Corp.	2,100	35,371
NET One Systems Company, Ltd.	2,900	49,378
Neturen Company, Ltd.	2,300	15,660
Nextage Company, Ltd. (B)	1,900	34,797
NHK Spring Company, Ltd.	9,100	77,009
Nice Corp.	600	7,232
Nichias Corp.	2,300	55,173
Nichiban Company, Ltd.	700	8,590
Nichicon Corp.	3,400	31,209
Nichiden Corp.	600	12,198
Nichiha Corp.	1,200	25,170
Nichireki Company, Ltd.	2,000	34,207
Nichirin Company, Ltd.	1,040	24,084
Nihon Chouzai Company, Ltd.	800	7,929
Nihon Dempa Kogyo Company, Ltd.	2,500	22,201
Nihon Flush Company, Ltd.	1,000	6,429
Nihon House Holdings Company, Ltd.	1,000	2,082
Nihon Kagaku Sangyo Company, Ltd.	1,000	10,037
Nihon Kohden Corp.	800	25,287
Nihon M&A Center Holdings, Inc.	9,700	53,379
Nihon Nohyaku Company, Ltd.	4,000	18,286
Nihon Parkerizing Company, Ltd.	3,900	31,380
Nihon Tokushu Toryo Company, Ltd.	1,000	8,505
Nikkiso Company, Ltd.	2,100	15,304
Nikkon Holdings Company, Ltd.	2,200	47,982
Nippon Corp.	2,700	42,550
Nippon Air Conditioning Services Company, Ltd.	1,600	9,179
Nippon Beet Sugar Manufacturing Company, Ltd.	900	12,461
Nippon Carbon Company, Ltd.	500	15,532
Nippon Chemical Industrial Company, Ltd.	700	9,277
Nippon Chemi-Con Corp. (A)	1,100	10,208
Nippon Coke & Engineering Company, Ltd. (A)	18,000	14,906
Nippon Concrete Industries Company, Ltd.	2,600	5,907
Nippon Denko Company, Ltd.	6,530	12,752
Nippon Densetsu Kogyo Company, Ltd.	2,100	29,583
Nippon Electric Glass Company, Ltd. (B)	3,900	83,699
Nippon Gas Company, Ltd.	4,300	70,914
Nippon Hume Corp.	2,000	12,551
Nippon Kayaku Company, Ltd.	5,300	50,478
Nippon Kodoshi Corp.	800	9,893
Nippon Light Metal Holdings Company, Ltd.	2,820	34,994
Nippon Paper Industries Company, Ltd. (A)	4,600	41,163
Nippon Parking Development Company, Ltd.	8,400	11,424
Nippon Pillar Packing Company, Ltd.	1,100	34,642
Nippon Rietec Company, Ltd.	300	2,517
Nippon Seiki Company, Ltd.	3,000	24,365
Nippon Sharyo, Ltd.	600	8,745
Nippon Sheet Glass Company, Ltd. (A)	4,100	16,625

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nippon Shokubai Company, Ltd.	800	\$ 30,781
Nippon Signal Company, Ltd.	3,000	20,596
Nippon Soda Company, Ltd.	1,200	46,125
Nippon Thompson Company, Ltd.	4,700	18,744
Nippon Yakin Kogyo Company, Ltd.	1,000	29,801
Nipro Corp.	6,700	52,516
Nishikawa Rubber Company, Ltd.	800	9,883
Nishimatsu Construction Company, Ltd.	1,500	41,732
Nishimatsuya Chain Company, Ltd.	2,700	39,629
Nishi-Nippon Financial Holdings, Inc.	3,900	44,971
Nishi-Nippon Railroad Company, Ltd.	2,400	40,608
Nishio Holdings Company, Ltd.	800	23,219
Nissan Shatai Company, Ltd.	3,400	22,151
Nissei ASB Machine Company, Ltd.	500	15,574
Nissei Plastic Industrial Company, Ltd.	1,600	12,567
Nissha Company, Ltd.	2,300	23,950
Nisshinbo Holdings, Inc.	4,768	38,634
Nissin Corp.	1,400	23,783
Nisso Holdings Company, Ltd.	2,400	13,489
Nissui Corp.	13,000	69,914
Nitta Corp.	1,300	33,818
NITTAN Corp.	1,200	2,595
Nittetsu Mining Company, Ltd.	600	22,099
Nitto Boseki Company, Ltd.	1,400	45,470
Nitto Kogyo Corp.	1,600	40,763
Nitto Kohki Company, Ltd.	1,000	13,223
Nitto Seiko Company, Ltd.	1,700	6,326
Noevir Holdings Company, Ltd.	800	29,133
Nohmi Bosai, Ltd.	1,300	20,265
Nojima Corp.	3,200	39,735
NOK Corp.	900	11,962
Nomura Micro Science Company, Ltd.	300	31,639
Noritake Company, Ltd.	700	33,941
Noritsu Koki Company, Ltd.	1,000	21,215
Noritz Corp.	2,100	22,462
North Pacific Bank, Ltd.	12,900	32,383
NPR-RIKEN Corp.	1,200	18,936
NS Tool Company, Ltd.	800	5,662
NS United Kaiun Kaisha, Ltd.	800	27,127
NSD Company, Ltd.	2,200	42,223
NTN Corp.	18,400	33,827
Obara Group, Inc.	600	16,035
Ohsho Food Service Corp.	700	40,039
Oiles Corp.	1,380	19,362
Oisix ra daichi, Inc. (A)(B)	1,200	11,562
Okabe Company, Ltd.	2,600	13,479
Okamoto Industries, Inc.	600	21,128
Okamura Corp.	2,900	44,723
Okasan Securities Group, Inc.	7,000	33,931
Oki Electric Industry Company, Ltd.	4,700	30,293
Okinawa Cellular Telephone Company	800	19,207
Okinawa Financial Group, Inc.	1,140	18,928
OKUMA Corp.	1,100	47,248
Okumura Corp.	1,200	39,809
Okura Industrial Company, Ltd.	800	14,458
Okuwa Company, Ltd.	1,000	5,858
Onoken Company, Ltd.	1,500	18,384
Onward Holdings Company, Ltd.	7,100	24,167
Optex Group Company, Ltd.	1,900	24,015
Optim Corp. (A)	700	4,088
Oporun Company, Ltd.	1,100	12,683
Organo Corp.	1,100	45,387
Orient Corp.	3,180	24,103
Oriental Shiraishi Corp.	7,600	18,302
Origin Company, Ltd.	600	5,212

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Oro Company, Ltd.	700	\$ 12,793
Osaka Organic Chemical Industry, Ltd.	800	15,348
Osaka Soda Company, Ltd.	800	54,774
Osaka Steel Company, Ltd.	700	12,261
Osaki Electric Company, Ltd.	3,000	13,603
OSG Corp.	3,900	55,781
Outsourcing, Inc. (A)	5,800	71,260
Oyo Corp.	1,300	18,877
Pacific Industrial Company, Ltd.	3,000	27,262
Pacific Metals Company, Ltd. (A)	1,100	9,444
PAL GROUP Holdings Company, Ltd.	1,400	24,407
PALTAC Corp.	1,200	37,903
Paramount Bed Holdings Company, Ltd.	1,600	31,382
Paris Miki Holdings, Inc.	1,100	4,005
Park24 Company, Ltd. (A)	4,200	53,684
Pasona Group, Inc.	1,300	24,288
Penta-Ocean Construction Company, Ltd.	2,300	12,890
PeptiDream, Inc. (A)	3,600	37,853
PIA Corp. (A)	500	11,896
Pickles Holdings Company, Ltd.	800	6,888
Pigeon Corp. (B)	5,500	63,250
Pilot Corp.	1,200	35,683
Piolar, Inc.	2,100	34,610
Pole To Win Holdings, Inc.	2,000	6,836
Premium Group Company, Ltd.	2,400	30,918
Premium Water Holdings, Inc.	400	8,292
Press Kogyo Company, Ltd.	7,000	28,208
Pressance Corp.	700	7,898
Prestige International, Inc.	5,000	21,229
Prima Meat Packers, Ltd.	1,500	24,974
Procrea Holdings, Inc.	2,344	31,146
Pronexus, Inc.	600	5,598
Proto Corp.	1,800	17,226
PS Mitsubishi Construction Company, Ltd.	800	5,008
Punch Industry Company, Ltd.	1,300	3,772
QB Net Holdings Company, Ltd.	1,800	19,116
Qol Holdings Company, Ltd.	1,400	16,416
Quick Company, Ltd.	800	14,593
Raccoon Holdings, Inc.	800	3,673
Raito Kogyo Company, Ltd.	2,400	32,129
Raiznext Corp.	3,300	35,696
Raksul, Inc. (A)	1,200	10,757
Rasa Industries, Ltd.	600	8,939
Raysum Company, Ltd.	300	6,807
Relo Group, Inc.	2,800	33,666
Rengo Company, Ltd.	8,600	57,247
RENOVA, Inc. (A)	1,400	11,788
Resorttrust, Inc.	3,700	64,065
Restar Holdings Corp.	1,600	31,918
Retail Partners Company, Ltd.	300	3,540
Rheon Automatic Machinery Company, Ltd.	1,500	15,953
Ricoh Leasing Company, Ltd.	800	27,495
Riken Keiki Company, Ltd.	800	38,958
Riken Technos Corp.	3,000	17,960
Riken Vitamin Company, Ltd.	1,400	22,166
Rion Company, Ltd.	500	8,632
Riso Kyoiku Company, Ltd.	9,300	14,957
Rock Field Company, Ltd.	1,000	11,427
Rokko Butter Company, Ltd.	600	5,634
Roland Corp.	700	21,809
Roland DG Corp.	900	23,221
Rorze Corp.	500	53,224
Round One Corp.	10,500	41,417
Royal Holdings Company, Ltd.	600	10,966

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
RS Technologies Company, Ltd.	800	\$ 16,896
Ryobi, Ltd.	1,400	26,284
Ryoden Corp.	1,500	27,658
Ryosan Company, Ltd.	1,100	36,600
S Foods, Inc.	900	20,995
S&B Foods, Inc.	600	17,617
Sac's Bar Holdings, Inc.	600	3,420
Saibu Gas Holdings Company, Ltd.	1,500	20,796
Saint-Care Holding Corp.	1,900	13,418
Sakai Chemical Industry Company, Ltd.	1,400	18,598
Sakai Moving Service Company, Ltd.	1,000	19,270
Sakata INX Corp.	3,100	29,758
Sala Corp.	3,000	15,530
SAMTY Company, Ltd.	1,600	27,580
San ju San Financial Group, Inc.	1,700	21,837
San-A Company, Ltd.	1,300	41,951
San-Ai Obbli Company, Ltd.	3,500	39,752
Sangetsu Corp.	2,100	46,094
Sanken Electric Company, Ltd.	900	49,353
Sanki Engineering Company, Ltd.	2,000	24,793
Sankyo Frontier Company, Ltd.	300	8,259
Sankyo Seiko Company, Ltd.	3,200	16,299
Sankyo Tateyama, Inc.	2,500	13,844
Sankyu, Inc.	1,400	51,315
Sanoh Industrial Company, Ltd.	1,900	10,569
Sanshin Electronics Company, Ltd.	700	10,757
Sanyo Chemical Industries, Ltd.	600	17,998
Sanyo Denki Company, Ltd.	400	17,736
Sanyo Electric Railway Company, Ltd.	1,600	24,681
Sanyo Shokai, Ltd.	700	11,743
Sanyo Special Steel Company, Ltd.	1,400	26,087
Sanyo Trading Company, Ltd.	1,200	10,161
Sato Holdings Corp.	1,700	25,458
Sawai Group Holdings Company, Ltd.	1,800	66,405
SB Technology Corp.	800	13,441
SBI Global Asset Management Company, Ltd.	1,300	5,615
SBS Holdings, Inc.	900	15,667
Scroll Corp.	2,300	15,636
Seika Corp.	500	10,449
Seikagaku Corp.	1,700	9,161
Seikitokyu Kogyo Company, Ltd.	1,600	18,686
Seiko Group Corp.	1,400	26,677
Seino Holdings Company, Ltd.	3,000	45,436
Seiren Company, Ltd.	1,900	33,327
Sekisui Jushi Corp.	1,600	28,142
Sekisui Kasei Company, Ltd.	2,500	8,602
Senko Group Holdings Company, Ltd.	4,700	38,007
Senshu Electric Company, Ltd.	600	13,757
Senshu Ikeda Holdings, Inc.	17,200	39,302
Senshukai Company, Ltd. (A)(B)	3,300	8,795
Seria Company, Ltd.	2,100	39,169
Shibaura Electronics Company, Ltd.	500	19,700
Shibaura Machine Company, Ltd.	1,600	39,135
Shibaura Mechatronics Corp.	300	12,583
Shibuya Corp.	800	13,829
Shidax Corp. (A)(B)	2,000	11,452
Shikibo, Ltd.	1,100	8,532
Shikoku Electric Power Company, Inc.	5,200	37,353
Shikoku Kasei Holdings Corp.	3,000	38,130
Shima Seiki Manufacturing, Ltd.	1,200	12,943
Shin Nippon Biomedical Laboratories, Ltd.	1,000	12,010
Shinagawa Refractories Company, Ltd.	3,000	36,464
Shindengen Electric Manufacturing Company, Ltd.	500	10,719

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Shin-Etsu Polymer Company, Ltd.	3,000	\$ 35,596
Shinko Shoji Company, Ltd.	1,900	15,647
Shinmaywa Industries, Ltd.	2,400	19,974
Shinnihon Corp.	2,500	20,089
Shinwa Company, Ltd.	700	11,708
Ship Healthcare Holdings, Inc.	2,600	44,322
Shizuoka Gas Company, Ltd.	4,500	32,684
Shoei Company, Ltd.	1,600	20,823
Shofu, Inc.	600	11,690
Showa Sangyo Company, Ltd.	1,000	22,421
SIGMAXYZ Holdings, Inc.	1,800	18,454
Siix Corp.	1,600	16,537
Sinanen Holdings Company, Ltd.	800	23,793
Sinfonia Technology Company, Ltd.	1,600	23,575
Sinko Industries, Ltd.	1,500	28,354
Sintokogio, Ltd.	3,400	25,640
SKY Perfect JSAT Holdings, Inc.	7,800	38,525
Smaregi, Inc. (A)	400	7,658
SMK Corp.	300	5,440
SMS Company, Ltd.	1,600	32,803
Snow Peak, Inc. (B)	1,200	7,855
Sodick Company, Ltd.	2,400	12,379
Softcreate Holdings Corp.	1,400	17,039
Software Service, Inc.	200	13,929
Soken Chemical & Engineering Company, Ltd.	800	13,693
Solasto Corp.	3,200	13,954
Sotetsu Holdings, Inc.	3,500	67,868
Sparx Group Company, Ltd.	1,480	16,875
S-Pool, Inc.	5,000	15,722
SRA Holdings	600	15,148
SRE Holdings Corp. (A)	400	7,776
ST Corp.	700	7,574
St. Marc Holdings Company, Ltd.	800	12,026
Star Mica Holdings Company, Ltd.	2,200	9,872
Star Micronics Company, Ltd.	2,300	27,960
Starts Corp., Inc.	1,900	39,388
Starzen Company, Ltd.	600	11,170
Stella Chemifa Corp.	800	18,300
Strike Company, Ltd.	700	23,849
Studio Alice Company, Ltd.	900	13,421
Sugimoto & Company, Ltd.	700	11,071
Sumida Corp.	1,600	13,032
Suminoe Textile Company, Ltd.	500	7,881
Sumitomo Bakelite Company, Ltd.	700	36,641
Sumitomo Densetsu Company, Ltd.	1,300	25,219
Sumitomo Mitsui Construction Company, Ltd.	6,000	16,877
Sumitomo Osaka Cement Company, Ltd.	1,500	39,392
Sumitomo Pharma Company, Ltd.	3,300	10,896
Sumitomo Riko Company, Ltd.	2,400	17,931
Sumitomo Seika Chemicals Company, Ltd.	500	17,661
Sun Frontier Fudousan Company, Ltd.	2,200	25,418
Suruga Bank, Ltd.	7,300	40,249
SWCC Corp.	1,200	24,258
Systema Corp.	12,200	26,409
Syuppin Company, Ltd.	1,200	10,073
T RAD Company, Ltd.	500	10,919
T&K Toka Company, Ltd.	1,600	16,250
Tachibana Eletech Company, Ltd.	1,360	26,431
Tachi-S Company, Ltd.	2,400	30,534
Tadano, Ltd.	5,000	41,655
Taihei Dengyo Kaisha, Ltd.	1,000	31,638
Taiheiyo Cement Corp.	2,800	57,582
Taiho Kogyo Company, Ltd.	1,200	6,744

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Taikisha, Ltd.	900	\$ 26,016
Taisei Lamick Company, Ltd.	500	10,273
Taiyo Holdings Company, Ltd.	2,000	44,060
Takamatsu Construction Group Company, Ltd.	1,000	19,608
Takaoka Toko Company, Ltd.	700	10,461
Takara Bio, Inc.	2,100	18,615
Takara Holdings, Inc.	5,700	49,998
Takara Standard Company, Ltd.	2,200	25,423
Takasago International Corp.	1,200	29,655
Takasago Thermal Engineering Company, Ltd.	1,700	38,754
Takashimaya Company, Ltd.	1,100	14,968
Takeuchi Manufacturing Company, Ltd.	1,600	48,441
Takuma Company, Ltd.	3,000	37,982
Tama Home Company, Ltd.	1,000	27,791
Tamron Company, Ltd.	1,100	41,383
Tamura Corp.	6,000	23,553
Tanseisha Company, Ltd.	1,100	6,801
Tatsuta Electric Wire and Cable Company, Ltd. (A)	4,200	20,876
Tayca Corp.	1,500	14,539
TDC Soft, Inc.	1,200	18,077
TechMatrix Corp.	2,000	24,801
Techno Horizon Company, Ltd. (A)	1,400	4,946
Teijin, Ltd.	5,400	51,082
Teikoku Sen-I Company, Ltd.	1,200	17,359
Tekken Corp.	800	11,369
Tenma Corp.	1,000	15,742
Tess Holdings Company, Ltd.	2,400	7,402
T-Gaia Corp.	900	12,308
The 77 Bank, Ltd.	2,100	51,671
The Akita Bank, Ltd.	1,100	14,796
The Awa Bank, Ltd.	2,200	36,697
The Bank of Iwate, Ltd.	1,100	19,467
The Bank of Nagoya, Ltd.	500	19,233
The Bank of Saga, Ltd.	1,000	13,091
The Chiba Kogyo Bank, Ltd.	3,200	17,918
The Chugoku Electric Power Company, Inc.	4,600	32,824
The Ehime Bank, Ltd.	2,100	14,983
The First Bank of Toyama, Ltd.	2,800	15,240
The Fukui Bank, Ltd.	1,800	20,994
The Fukushima Bank, Ltd.	2,100	3,478
The Furukawa Battery Company, Ltd.	1,300	8,029
The Gunma Bank, Ltd.	14,200	69,330
The Hyakugo Bank, Ltd.	9,600	36,263
The Hyakujushi Bank, Ltd.	1,700	28,946
The Japan Steel Works, Ltd.	700	12,121
The Keiyo Bank, Ltd.	4,400	21,193
The Kita-Nippon Bank, Ltd.	700	10,487
The Kiyo Bank, Ltd.	3,800	42,460
The Miyazaki Bank, Ltd.	1,000	18,540
The Monogatari Corp.	1,200	37,272
The Musashino Bank, Ltd.	1,700	32,055
The Nanto Bank, Ltd.	2,000	34,539
The Nippon Road Company, Ltd.	1,000	14,503
The Nisshin Oillio Group, Ltd.	1,200	36,490
The Ogaki Kyoritsu Bank, Ltd.	1,600	21,354
The Oita Bank, Ltd.	900	16,028
The Okinawa Electric Power Company, Inc.	1,990	15,733
The Pack Corp. (B)	800	19,169
The San-In Godo Bank, Ltd.	4,300	30,250
The Shibusawa Warehouse Company, Ltd.	1,000	20,614

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
The Shiga Bank, Ltd.	1,700	\$ 41,998
The Shikoku Bank, Ltd.	2,800	19,033
The Shimizu Bank, Ltd.	500	5,447
The Sumitomo Warehouse Company, Ltd.	1,824	31,659
The Tochigi Bank, Ltd.	8,000	17,537
The Toho Bank, Ltd.	12,000	24,381
The Tohoku Bank, Ltd.	400	3,330
The Tottori Bank, Ltd.	400	3,844
The Towa Bank, Ltd.	2,900	12,435
The Yamagata Bank, Ltd.	2,000	15,111
The Yamanashi Chuo Bank, Ltd.	2,000	23,773
Tigers Polymer Corp.	1,000	6,125
TKC Corp.	1,300	34,605
Toa Corp. (Hyogo)	1,400	10,251
Toa Corp. (Tokyo)	1,200	30,255
Toagosei Company, Ltd.	4,300	41,757
Tobishima Corp.	720	6,676
TOC Company, Ltd.	3,400	16,795
Tocalo Company, Ltd.	3,200	33,828
Toda Corp.	8,400	55,476
Toda Kogyo Corp. (A)	300	3,327
Toei Company, Ltd.	100	14,392
Toenec Corp.	600	19,413
Toho Company, Ltd.	600	11,775
Toho Gas Company, Ltd.	2,200	45,912
Toho Holdings Company, Ltd.	2,400	54,788
Toho Titanium Company, Ltd. (B)	1,300	17,408
Toho Zinc Company, Ltd.	800	6,378
Tokai Carbon Company, Ltd. (B)	10,000	72,528
Tokai Corp.	1,200	17,753
TOKAI Holdings Corp.	4,000	27,296
Tokai Rika Company, Ltd.	2,600	39,966
Tokai Tokyo Financial Holdings, Inc.	11,500	42,806
Token Corp.	410	26,709
Tokushu Tokai Paper Company, Ltd.	600	16,724
Tokuyama Corp.	3,200	54,144
Tokyo Base Company, Ltd.	900	1,921
Tokyo Electron Device, Ltd.	1,200	43,069
Tokyo Energy & Systems, Inc.	2,000	14,815
Tokyo Keiki, Inc.	1,000	12,602
Tokyo Kiraboshi Financial Group, Inc.	1,536	43,147
Tokyo Ohka Kogyo Company, Ltd.	600	13,200
Tokyo Rakutenchi Company, Ltd.	200	9,694
Tokyo Rope Manufacturing Company, Ltd.	200	1,889
Tokyo Seimitsu Company, Ltd.	600	36,798
Tokyo Steel Manufacturing Company, Ltd.	2,700	33,016
Tokyo Tekko Company, Ltd.	800	23,324
Tokyo Theatres Company, Inc.	900	7,031
Tokyotokeiba Company, Ltd.	600	18,840
Tokyu Construction Company, Ltd.	3,900	22,011
Tomato Bank, Ltd.	1,100	8,973
Tomen Devices Corp.	200	7,594
Tomoe Corp.	2,200	9,033
Tomoku Company, Ltd.	500	7,607
TOMONY Holdings, Inc.	10,600	29,307
Tomy Company, Ltd.	2,900	45,827
Tonami Holdings Company, Ltd.	500	15,998
Topcon Corp.	4,700	50,487
Topre Corp.	2,300	30,531
Topy Industries, Ltd.	1,300	23,495
Torex Semiconductor, Ltd.	700	8,747
Toridoll Holdings Corp.	1,200	34,427
Torii Pharmaceutical Company, Ltd.	1,100	27,699
Torishima Pump Manufacturing Company, Ltd.	900	14,362

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Tosei Corp.	2,500	\$ 35,301
Toshiba TEC Corp.	1,100	22,740
Tosho Company, Ltd.	1,300	7,684
Totetsu Kogyo Company, Ltd.	1,000	22,441
Towa Corp.	800	40,269
Towa Pharmaceutical Company, Ltd.	1,500	24,986
Toyo Construction Company, Ltd.	3,100	26,202
Toyo Corp.	1,100	11,006
Toyo Denki Seizo KK	600	4,136
Toyo Engineering Corp. (A)	2,200	12,244
Toyo Gosei Company, Ltd.	300	17,689
Toyo Ink SC Holdings Company, Ltd.	2,200	40,945
Toyo Kanetsu KK	400	10,960
Toyo Securities Company, Ltd.	6,000	12,821
Toyo Tanso Company, Ltd.	1,000	33,825
Toyo Tire Corp.	2,600	43,373
Toyo Wharf & Warehouse Company, Ltd.	600	5,917
Toyobo Company, Ltd.	4,093	30,644
TPR Company, Ltd.	1,400	16,878
Trancom Company, Ltd.	400	20,354
Transaction Company, Ltd.	1,700	25,699
Transcosmos, Inc.	1,400	29,867
Tri Chemical Laboratories, Inc.	1,200	30,582
Trusco Nakayama Corp.	2,200	38,068
TS Tech Company, Ltd.	4,400	53,107
TSI Holdings Company, Ltd.	5,270	27,396
Tsubaki Nakashima Company, Ltd. (B)	2,300	11,909
Tsubakimoto Chain Company	1,600	45,802
Tsugami Corp.	1,600	13,745
Tsukishima Holdings Company, Ltd.	2,000	18,999
Tsukuba Bank, Ltd.	5,700	10,000
Tsumura & Company	2,600	48,924
Tsurumi Manufacturing Company, Ltd.	1,000	26,291
TV Asahi Holdings Corp.	2,000	22,746
UACJ Corp.	1,903	51,793
UBE Corp.	4,400	71,344
Ubicom Holdings, Inc.	500	5,906
Uchida Yoko Company, Ltd.	400	19,489
Ulvac, Inc.	700	33,341
Union Tool Company	700	16,553
Unipres Corp.	2,600	17,520
United Arrows, Ltd.	1,600	21,387
United Super Markets Holdings, Inc.	2,400	17,301
UNITED, Inc.	2,600	16,569
Unitika, Ltd. (A)	5,900	7,269
Universal Entertainment Corp. (B)	1,200	19,528
Usen-Next Holdings Company, Ltd.	1,300	37,014
Ushio, Inc.	4,400	63,092
UT Group Company, Ltd. (A)	1,500	25,895
UUUM Company, Ltd. (A)	800	2,457
V Technology Company, Ltd.	400	8,043
Valor Holdings Company, Ltd.	1,700	29,393
Valqua, Ltd.	1,000	29,329
Value HR Company, Ltd. (B)	1,200	13,116
ValueCommerce Company, Ltd.	900	9,343
Vector, Inc.	3,100	24,861
Vertex Corp.	1,100	12,439
Visional, Inc. (A)	400	25,412
Vital KSK Holdings, Inc.	3,500	25,870
VT Holdings Company, Ltd.	6,600	24,168
Wacoal Holdings Corp.	1,900	45,064
Wacom Company, Ltd.	2,700	12,554
Wakachiku Construction Company, Ltd.	900	18,837
Wakita & Company, Ltd.	2,300	26,040

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Warabeya Nichiyo Holdings Company, Ltd.	900	\$ 21,815
Watahan & Company, Ltd.	600	6,036
WDB Holdings Company, Ltd.	700	10,969
Weathernews, Inc.	300	11,497
Wellneo Sugar Company, Ltd.	1,100	16,444
West Holdings Corp.	716	15,634
Will Group, Inc.	1,200	9,819
WingArc1st, Inc.	1,500	32,629
World Company, Ltd.	700	8,324
World Holdings Company, Ltd.	600	11,582
Wowow, Inc.	600	4,539
Xebio Holdings Company, Ltd.	2,800	18,959
Yahagi Construction Company, Ltd.	2,000	19,128
Yaizu Suisankagaku Industry Company, Ltd.	1,100	9,350
YAKUODO Holdings Company, Ltd.	700	13,497
YAMABIKO Corp.	2,400	25,390
YAMADA Consulting Group Company, Ltd.	1,100	13,325
Yamae Group Holdings Company, Ltd.	1,000	27,013
Yamaguchi Financial Group, Inc.	7,200	64,340
Yamaichi Electronics Company, Ltd.	1,700	23,282
YA-MAN, Ltd. (B)	1,700	12,115
Yamazen Corp.	3,900	32,926
Yaoko Company, Ltd.	300	17,151
Yasuda Logistics Corp.	1,400	11,629
Yellow Hat, Ltd.	2,000	25,015
Yodogawa Steel Works, Ltd.	1,200	32,370
Yokogawa Bridge Holdings Corp.	2,100	37,696
Yokorei Company, Ltd.	2,900	21,551
Yokowo Company, Ltd.	1,200	12,091
Yomeishu Seizo Company, Ltd.	500	6,613
Yondoshi Holdings, Inc.	1,300	18,672
Yonex Company, Ltd.	2,100	19,876
Yorozu Corp.	1,800	10,554
Yoshinoya Holdings Company, Ltd.	2,000	45,413
Yuasa Trading Company, Ltd.	1,100	36,900
Yukiguni Maitake Company, Ltd.	1,000	6,628
Yurtec Corp.	2,000	15,905
Yushiro Chemical Industry Company, Ltd.	1,100	12,757
Zenrin Company, Ltd.	1,950	12,069
Zeon Corp.	3,800	35,237
ZERIA Pharmaceutical Company, Ltd.	1,200	17,136
ZIGExN Company, Ltd.	7,000	26,291
		25,740,060
Jersey, Channel Islands - 0.1%		
Centamin PLC	57,981	73,631
Jordan - 0.1%		
Hikma Pharmaceuticals PLC	3,966	90,374
Liechtenstein - 0.1%		
Liechtensteinische Landesbank AG	726	57,071
VP Bank AG, Class A	188	19,593
		76,664
Luxembourg - 0.5%		
ADLER Group SA (A)(D)	776	456
APERAM SA	1,921	69,875
Aroundtown SA (A)	36,871	100,487
B&S Group Sarl (D)	983	4,013
Befesa SA (D)	1,789	69,371
d'Amico International Shipping SA	6,428	40,106
Grand City Properties SA	3,748	42,059
IVS Group SA	2,104	12,679
L'Occitane International SA	10,750	30,712

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Luxembourg (continued)		
RTL Group SA	933	\$ 36,034
SES SA	17,911	117,946
Sword Group	278	12,247
		535,985
Macau - 0.0%		
MECOM Power and Construction, Ltd. (A)	87,750	3,372
Malaysia - 0.0%		
Frencken Group, Ltd.	15,400	15,700
Malta - 0.0%		
Catena Media PLC (A)(B)	3,412	4,199
Mauritius - 0.0%		
Capital, Ltd.	9,014	10,348
Mexico - 0.0%		
Fresnillo PLC	1,387	10,502
Netherlands - 1.8%		
Aalberts NV	4,048	175,956
Acom NV	876	16,985
Alfen N.V. (A)(D)	1,069	71,343
AMG Critical Materials NV	1,350	34,074
Arcadis NV	3,031	163,738
Basic-Fit NV (A)(B)(D)	2,099	65,349
BE Semiconductor Industries NV	2,921	441,001
Brack Capital Properties NV (A)	230	15,415
Brunel International NV	1,169	14,449
Corbion NV	2,473	52,964
CTP NV (D)	3,948	66,698
Flow Traders, Ltd.	1,631	32,319
ForFarmers NV	2,398	6,304
Fugro NV (A)	3,784	72,553
Innoconcepts NV (A)(C)	10,527	0
Just Eat Takeaway.com NV (A)(D)	737	11,422
Kendrion NV	1,152	15,387
Koninklijke BAM Groep NV	15,496	41,417
Koninklijke Heijmans NV	2,278	30,541
Koninklijke Vopak NV	2,374	79,893
Nedap NV	225	15,899
OCI NV	1,851	53,644
Pharming Group NV (A)	30,666	34,975
PostNL NV	15,748	24,614
PPHE Hotel Group, Ltd.	592	9,039
Redcare Pharmacy NV (A)(D)	194	28,153
SBM Offshore NV	5,505	75,631
SIF Holding NV (A)	588	6,783
Signify NV (D)	5,215	174,891
Sligro Food Group NV	1,151	20,193
TKH Group NV	1,628	71,139
TomTom NV (A)	3,258	23,005
Van Lanschot Kempen NV	1,179	36,708
		1,982,482
New Zealand - 0.4%		
Air New Zealand, Ltd.	37,974	15,241
Arvida Group, Ltd.	13,293	9,236
Channel Infrastructure NZ, Ltd.	11,354	10,407
Chorus, Ltd.	3,784	18,796
Delegat Group, Ltd.	1,200	4,927
Freightways Group, Ltd.	5,690	30,571
Gentrack Group, Ltd. (A)	3,060	12,805
Hallenstein Glasson Holdings, Ltd.	3,354	11,023
Heartland Group Holdings, Ltd.	23,172	21,676
Investore Property, Ltd.	14,352	10,881
KMD Brands, Ltd.	25,838	12,252
Manawa Energy, Ltd.	1,665	4,516
NZME, Ltd.	13,259	9,051

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
New Zealand (continued)		
NZX, Ltd.	17,320	\$ 11,938
Oceania Healthcare, Ltd.	41,920	20,144
Pacific Edge, Ltd. (A)	27,936	2,064
PGG Wrightson, Ltd.	819	1,759
Restaurant Brands New Zealand, Ltd.	886	2,228
Sanford, Ltd.	2,767	7,079
Scales Corp., Ltd.	5,176	11,294
Serko, Ltd. (A)	2,827	7,239
Skellerup Holdings, Ltd.	7,637	24,329
SKY Network Television, Ltd.	6,265	10,926
SKYCITY Entertainment Group, Ltd.	20,410	23,493
Summerset Group Holdings, Ltd.	6,903	44,726
Synlait Milk, Ltd. (A)	5,495	3,297
The Warehouse Group, Ltd.	9,894	10,073
Tourism Holdings, Ltd.	6,828	16,607
TOWER, Ltd.	11,445	4,412
Vista Group International, Ltd. (A)	7,682	8,005
		380,995
Norway - 0.9%		
ABG Sundal Collier Holding ASA	24,237	16,214
AF Gruppen ASA	717	8,766
Akastor ASA	6,104	7,007
Aker Carbon Capture ASA (A)	4,495	5,995
AMSC ASA	1,661	4,397
ArcticZymes Technologies ASA (A)(B)	962	3,973
Atea ASA (A)	3,574	45,448
Austevoll Seafood ASA	4,868	35,500
Avance Gas Holding, Ltd. (D)	1,658	24,395
Axactor ASA (A)	14,729	7,362
B2 Impact ASA	23,929	17,287
Belships ASA	10,010	18,105
BLUENORD ASA (A)	912	44,680
Bonheur ASA	1,411	33,606
Borregaard ASA	2,318	39,104
Bouvet ASA	3,002	17,998
BW Offshore, Ltd.	4,568	10,063
Cloudberry Clean Energy ASA (A)	5,431	6,173
Crayon Group Holding ASA (A)(B)(D)	1,983	16,506
DNO ASA	18,710	18,503
Elmera Group ASA (D)	5,860	17,435
Europris ASA (D)	8,327	62,890
FLEX LNG, Ltd.	294	8,636
Grieg Seafood ASA (B)	2,264	15,227
Hexagon Composites ASA (A)	6,450	18,336
Hexagon Purus ASA (A)	2,213	2,420
IDEX Biometrics ASA (A)	19,564	1,062
Kid ASA (D)	1,128	12,972
Kitron ASA	9,158	30,141
LINK Mobility Group Holding ASA (A)	7,126	12,724
Medistim ASA	352	7,413
MPC Container Ships ASA	15,398	20,183
Multiconsult ASA (D)	554	6,755
Norske Skog ASA (D)	1,815	7,390
Norwegian Air Shuttle ASA (A)	11,101	11,692
Odffjell Drilling, Ltd.	4,970	19,240
Panoro Energy ASA	3,699	9,828
Pareto Bank ASA	1,457	7,725
PGS ASA (A)	22,374	18,806
PhotoCure ASA (A)	2,625	17,397
PoLight ASA (A)(D)	3,259	6,873
Protector Forsikring ASA	2,669	47,249
Scatec ASA (D)	4,993	40,340
Selvaag Bolig ASA (B)	1,842	5,994
Sparebank 1 Oestlandet	758	9,892
SpareBank 1 Sorost-Norge (B)	4,392	27,637

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Norway (continued)		
Sparebanken More	1,230	\$ 10,170
Ultimovacs ASA (A)(B)	584	7,036
Veidekke ASA	5,117	51,459
Volue ASA (A)	3,279	6,867
Wilh Wilhelmsen Holding ASA, Class A	862	30,945
XXL ASA (A)(D)	19,159	1,782
		935,598
Peru - 0.0%		
Hochschild Mining PLC (A)	16,530	22,538
Poland - 0.0%		
InPost SA (A)	2,875	39,806
Portugal - 0.4%		
Altri SGPS SA	6,511	33,152
Banco Comercial Portugues SA (A)	308,962	93,840
Corticeira Amorim SGPS SA	2,100	21,222
CTT-Correios de Portugal SA	8,914	34,409
Greenvolt-Energias Renovaveis SA (A)(B)	2,423	21,915
Mota-Engil SGPS SA	5,636	24,677
NOS SGPS SA	10,693	37,789
REN - Redes Energeticas Nacionais SGPS SA	21,605	55,512
Sonae SGPS SA	34,734	34,705
The Navigator Company SA	12,847	50,397
		407,618
Singapore - 1.1%		
AEM Holdings, Ltd.	9,100	23,811
Banyan Tree Holdings, Ltd. (A)	19,800	5,173
Best World International, Ltd. (A)	3,974	5,176
Boustead Singapore, Ltd.	10,000	6,513
Bukit Sembawang Estates, Ltd.	11,000	29,422
BW LPG, Ltd. (D)	4,059	60,386
Capitaland India Trust	50,467	43,570
China Aviation Oil Singapore Corp., Ltd.	14,400	9,543
ComfortDelGro Corp., Ltd.	90,100	95,495
COSCO Shipping International Singapore Company, Ltd. (A)	58,900	5,887
CSE Global, Ltd.	34,000	11,067
Delfi, Ltd.	21,900	18,578
Ezion Holdings, Ltd. (A)(C)	131,300	4,278
Far East Orchard, Ltd.	5,140	3,931
First Resources, Ltd.	19,300	20,898
Fraser and Neave, Ltd.	8,600	6,907
Gallant Venture, Ltd. (A)	71,000	6,990
Golden Agri-Resources, Ltd.	183,600	36,145
GuocoLand, Ltd.	10,400	11,659
Haw Par Corp., Ltd.	4,700	34,709
Ho Bee Land, Ltd.	11,400	15,281
Hong Fok Corp., Ltd.	20,100	13,854
Hong Leong Finance, Ltd.	12,900	24,434
Hyflux, Ltd. (A)	24,000	0
iFAST Corp., Ltd.	7,000	43,504
IGG, Inc. (A)	38,000	15,781
Indofood Agri Resources, Ltd.	25,000	5,681
Japfa, Ltd.	22,700	3,781
Kenon Holdings, Ltd.	413	9,983
Keppel Infrastructure Trust	165,049	62,515
Metro Holdings, Ltd.	31,600	12,443
Midas Holdings, Ltd. (A)(C)	86,000	10,635
Nanofilm Technologies International, Ltd.	6,500	4,496
NetLink NBN Trust	91,100	57,972
Oceanus Group, Ltd. (A)	1,035,500	7,091
OM Holdings, Ltd.	10,791	3,271
OUE, Ltd.	11,100	10,089
Oxley Holdings, Ltd. (A)	27,222	2,081

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Singapore (continued)		
Raffles Medical Group, Ltd.	35,758	\$ 29,247
SATS, Ltd. (A)	22,207	46,220
SBS Transit, Ltd.	5,000	10,108
Sheng Siong Group, Ltd.	29,900	36,235
SIA Engineering Company, Ltd.	12,800	22,975
SIIC Environment Holdings, Ltd.	35,800	5,153
Sinarmas Land, Ltd.	94,200	12,940
Singapore Land Group, Ltd.	7,100	10,701
Singapore Post, Ltd.	66,100	23,783
Stamford Land Corp., Ltd.	69,044	20,409
StarHub, Ltd.	25,600	21,527
Straits Trading Company, Ltd.	1,416	1,941
Swiber Holdings, Ltd. (A)(C)	15,000	743
The Hour Glass, Ltd.	10,100	12,701
Thomson Medical Group, Ltd.	212,000	9,786
UMS Holdings, Ltd.	36,400	36,908
UOB-Kay Hian Holdings, Ltd.	16,691	16,941
Venture Corp., Ltd.	7,100	73,161
Wing Tai Holdings, Ltd.	21,205	20,720
Yeo Hiap Seng, Ltd.	1,129	514
		1,155,743
Spain - 2.2%		
Acerinox SA	7,076	83,391
Aedas Homes SA (D)	426	8,591
Almirall SA	4,308	40,109
Amper SA (A)(B)	82,546	7,636
Amper SA, Rights Offering (A)	28,889	2,672
Applus Services SA	6,225	68,716
Atresmedia Corp. de Medios de Comunicacion SA	6,046	24,018
Banco de Sabadell SA	268,107	330,027
Bankinter SA	29,334	188,137
Caja de Ahorros del Mediterraneo (A)(C)	5,428	0
Cia de Distribucion Integral Logista Holdings SA	2,710	73,291
CIE Automotive SA	1,829	52,055
Construcciones y Auxiliar de Ferrocarriles SA	1,139	41,034
Distribuidora Internacional de Alimentacion SA (A)	1,566,729	20,406
Ebro Foods SA	2,006	34,365
eDreams ODIGEO SA (A)	4,905	41,519
Elecnor SA	2,026	43,780
Enagas SA (B)	9,373	158,116
Ence Energia y Celulosa SA	6,294	19,729
Ercros SA	5,006	14,609
Faes Farma SA	13,532	47,227
Fluidra SA	2,959	61,689
Gestamp Automocion SA (D)	7,287	28,208
Global Dominion Access SA (D)	5,439	20,215
Grenergy Renovables SA (A)	573	21,657
Grifols SA (A)	2,322	39,723
Grupo Catalana Occidente SA	1,834	62,698
Grupo Empresarial San Jose SA	2,194	8,392
Iberpapel Gestion SA	65	1,308
Indra Sistemas SA	6,513	100,875
Laboratorios Farmaceuticos Rovi SA	987	65,700
Linea Directa Aseguradora SA Cia de Seguros y Reaseguros	27,501	25,858
Mapfre SA (B)	36,878	79,252
Melia Hotels International SA (A)(B)	4,842	31,943
Neinor Homes SA (A)(D)	1,978	23,087
Obrascon Huarte Lain SA (A)	19,608	9,748
Pharma Mar SA	409	18,559

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Spain (continued)		
Promotora de Informaciones SA, Class A (A)	11,711	\$ 3,753
Prosegur Cash SA (D)	35,886	21,311
Prosegur Cia de Seguridad SA	10,114	19,649
Realia Business SA	17,710	20,628
Sacyr SA	17,840	61,692
Solaria Energia y Medio Ambiente SA (A)	2,636	54,244
Soltec Power Holdings SA (A)	2,101	7,993
Talgo SA (D)	4,940	23,957
Tecnicas Reunidas SA (A)	1,205	11,121
Tubacex SA	6,252	24,182
Unicaja Banco SA (D)	44,382	43,709
Vidrala SA	911	94,472
Viscofan SA	1,612	95,492
		2,380,543
Sweden - 2.6%		
AcadeMedia AB (D)	3,665	18,807
AddLife AB, B Shares	2,462	26,756
AddNode Group AB	5,860	49,467
AFRY AB	3,857	53,486
Alimak Group AB (D)	4,282	34,944
Alleima AB	5,562	42,356
Alligo AB, Class B	2,270	27,965
Ambea AB (D)	5,569	29,050
Annhem Fastigheter AB, B Shares (A)	1,155	1,950
AQ Group AB	291	14,652
Arjo AB, B Shares	10,690	41,848
Attendo AB (A)(D)	5,286	18,908
Balco Group AB	665	3,034
Beijer Alma AB	2,393	45,122
Bergman & Beving AB	2,270	41,328
Betsson AB, Class B (A)	5,105	54,992
BHG Group AB (A)	2,406	3,368
Bilia AB, A Shares	2,411	32,215
BioInvent International AB (A)	2,250	4,239
Biotage AB	1,300	17,395
Bonava AB, B Shares (A)(B)	3,323	4,335
BTS Group AB, B Shares	346	10,147
Bufab AB	1,460	56,116
Bulten AB	717	5,696
Bure Equity AB	2,057	58,376
Byggmax Group AB (A)	5,363	20,207
Catella AB	2,217	7,123
Catena AB	1,429	66,910
Cellavision AB	999	21,022
Cibus Nordic Real Estate AB	1,681	22,305
Clas Ohlson AB, B Shares	3,185	49,962
Cloetta AB, B Shares	10,640	19,345
Coor Service Management Holding AB (D)	5,027	21,694
Corem Property Group AB, B Shares (B)	14,214	14,993
Corem Property Group AB, D Shares	408	7,377
CTT Systems AB	566	12,861
Dios Fastigheter AB	3,582	30,763
Dustin Group AB (A)(D)	19,916	19,329
Elanders AB, B Shares	1,468	13,984
Electrolux Professional AB, B Shares	9,620	52,471
Enea AB (A)	1,522	8,544
Fagerhult Group AB	4,609	30,194
Fastighets AB Trianon (A)	1,452	2,405
FastPartner AB, A Shares	2,697	16,760
Feronordic AB	318	2,247
Fingerprint Cards AB, B Shares (A)(B)	21,915	3,743
G5 Entertainment AB	330	5,103
Granges AB	5,521	63,577
Green Landscaping Group AB (A)(D)	1,593	11,119

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Heba Fastighets AB, Class B	4,570	\$ 16,027
Hemnet Group AB	2,274	54,568
HMS Networks AB	884	43,660
Hoist Finance AB (A)(D)	2,083	7,673
Humana AB (A)	2,641	7,374
Instalco AB (B)	7,730	31,356
Inwido AB	3,126	41,961
JM AB	2,484	43,757
Karnov Group AB (A)	3,501	19,284
K-fast Holding AB (A)	1,142	2,710
KNOW IT AB	1,459	22,668
Lagercrantz Group AB, B Shares	981	13,164
Lime Technologies AB	558	16,469
Lindab International AB	3,819	75,364
Loomis AB	568	15,121
MEKO AB	2,150	23,305
MIPS AB	347	12,561
Modern Times Group MTG AB, B Shares (A)	2,851	24,393
Momentum Group AB	2,270	29,374
Munters Group AB (D)	5,052	82,381
Mycronic AB	312	8,902
NCAB Group AB	4,318	31,323
NCC AB, B Shares	3,723	46,425
Nederman Holding AB	887	15,774
Net Insight AB, B Shares (A)	16,550	8,549
New Wave Group AB, B Shares	5,928	60,065
Nobia AB (A)	6,676	7,298
Nolato AB, B Shares	6,748	35,473
Nordic Paper Holding AB	2,488	11,034
Nordic Waterproofing Holding AB	2,002	32,642
Note AB (A)(B)	776	11,444
NP3 Fastigheter AB	1,683	38,836
Nyfosa AB	5,830	55,457
OEM International AB, B Shares	4,726	49,434
Orron Energy AB (A)	7,422	5,871
Peab AB, Class B	4,540	25,789
Platzer Fastigheter Holding AB, Series B	3,454	28,757
Pricer AB, B Shares (A)	11,102	8,595
Proact IT Group AB	1,428	13,312
Ratos AB, B Shares	8,255	29,573
RaySearch Laboratories AB (A)	2,452	21,966
Resurs Holding AB (D)	6,236	14,799
RVRC Holding AB	4,158	24,890
Scandi Standard AB	4,648	26,505
Scandic Hotels Group AB (A)(D)	5,932	27,309
Sdiptech AB, Class B (A)	738	19,794
Sensys Gatso Group AB (A)	293	2,109
SkiStar AB	2,041	24,245
Solid Forsakring AB	623	3,936
Stendorren Fastigheter AB (A)	1,288	23,360
Stillfront Group AB (A)	19,809	23,877
Storskogen Group AB, Class B	18,109	16,658
Systemair AB	5,178	40,431
Tethys Oil AB	2,334	10,061
Trox Group AB	1,308	32,160
Truecaller AB, Class B (A)	9,962	34,400
VBG Group AB, B Shares	630	15,183
Viaplay Group AB, B Shares (A)	1,054	542
Vitec Software Group AB, B Shares	1,147	66,699
Volati AB	786	8,659
XANO Industri AB, Class B	694	5,251
		2,771,147
Switzerland - 7.7%		
Accelleron Industries AG	2,613	81,722

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Adecco Group AG	5,564	\$ 273,268
Allreal Holding AG	643	114,980
ALSO Holding AG	324	96,805
Aluflexpack AG (A)	549	5,841
APG SGA SA	84	18,284
Arbonia AG	2,962	33,955
Aryzta AG (A)	57,916	106,965
Ascom Holding AG	1,310	12,816
Autoneum Holding AG (A)(B)	276	44,808
Avolta AG (A)	3,848	151,500
Baloise Holding AG	1,848	289,745
Banque Cantonale de Geneve, Bearer Shares	142	38,027
Banque Cantonale Vaudoise	779	100,467
Basilea Pharmaceutica AG (A)	468	19,649
Belimo Holding AG	521	287,569
Bell Food Group AG	138	41,683
Bellevue Group AG	467	13,603
Berner Kantonalbank AG	246	69,018
BKW AG	658	117,037
Bossard Holding AG, Class A	248	65,297
Bucher Industries AG	333	139,980
Burckhardt Compression Holding AG	163	98,326
Bystronic AG	74	41,968
Calida Holding AG	285	9,963
Carlo Gavazzi Holding AG	38	14,458
Cembra Money Bank AG	1,485	115,890
Cie Financiere Tradition SA, Bearer Shares	105	14,738
Clariant AG (A)	9,918	146,536
Coltene Holding AG (A)	198	16,856
Comet Holding AG	425	134,285
Daetwyler Holding AG, Bearer Shares	281	65,361
DKSH Holding AG	1,625	112,892
dormakaba Holding AG	178	96,143
EFG International AG (A)	4,687	60,219
Emmi AG	86	93,210
Energiedienst Holding AG	979	45,195
Feintool International Holding AG	426	9,182
Fenix Outdoor International AG	225	17,267
Flughafen Zurich AG	1,072	223,989
Forbo Holding AG	39	48,952
Fundamenta Real Estate AG (A)	1,563	31,243
Galenica AG (D)	2,404	207,956
GAM Holding AG (A)(C)	11,204	5,220
Georg Fischer AG	3,955	287,822
Gurit Holding AG, Bearer Shares (A)	220	21,347
Helvetia Holding AG	1,796	247,645
Hiag Immobilien Holding AG	325	30,847
HOCHDORF Holding AG (A)	16	295
Huber + Suhner AG	816	66,029
Hypothekarbank Lenzburg AG	3	14,625
Implenia AG	770	27,949
Ina Invest Holding AG (A)	199	4,121
Inficon Holding AG	68	97,657
Interroll Holding AG	30	95,334
Intershop Holding AG	54	39,516
Investis Holding SA	160	18,562
IWG PLC (A)	42,822	103,121
Jungfraubahn Holding AG	269	51,161
Kardex Holding AG	299	77,579
Komax Holding AG	228	54,409
Kongsberg Automotive ASA (A)	23,611	4,762
Kudelski SA, Bearer Shares (A)	2,497	3,597
Landis+Gyr Group AG (A)	1,306	118,076
LEM Holding SA	25	61,688

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Luzerner Kantonalbank AG	934	\$ 79,941
Medacta Group SA (D)	308	46,066
medmix AG (D)	877	19,822
Metall Zug AG, B Shares	12	21,772
Mobilezone Holding AG	2,336	38,168
Mobimo Holding AG	387	120,010
Novavest Real Estate AG (A)	469	20,277
OC Oerlikon Corp. AG	8,368	37,826
Orascom Development Holding AG (A)	533	3,038
Orior AG	425	36,428
Peach Property Group AG (A)	212	2,892
Phoenix Mecano AG (A)	38	19,611
Plazza AG, Class A	68	24,272
PSP Swiss Property AG	2,283	319,184
Rieter Holding AG	251	26,929
Romande Energie Holding SA	850	55,622
Schweiter Technologies AG	58	35,814
Sensirion Holding AG (A)(D)	141	14,008
SFS Group AG	898	111,420
Siegfried Holding AG (A)	194	198,447
SKAN Group AG	181	17,376
Softwareone Holding AG (A)	4,165	81,308
St. Galler Kantonalbank AG	147	85,924
Stadler Rail AG	1,523	54,891
Sulzer AG	1,086	110,999
Swiss Prime Site AG	3,767	402,465
Swiss Steel Holding AG (A)	39,436	3,917
Swissquote Group Holding SA	465	113,408
Temenos AG	2,922	272,296
TX Group AG	201	28,860
u-blox Holding AG (A)	431	51,219
Valiant Holding AG	866	98,265
Vaudoise Assurances Holding SA	64	33,499
Vetropack Holding AG	822	38,189
Vontobel Holding AG	1,192	77,332
VZ Holding AG	550	64,265
V-ZUG Holding AG (A)	120	9,258
Walliser Kantonalbank	203	26,307
Wartec Invest AG	8	17,575
Ypsomed Holding AG	164	59,113
Zehnder Group AG	615	39,169
Zug Estates Holding AG, B Shares	16	30,565
Zuger Kantonalbank AG, Bearer Shares	9	80,889
		8,187,646
Taiwan - 0.0%		
FIT Hon Teng, Ltd. (A)(D)	49,000	7,416
United Arab Emirates - 0.0%		
Network International Holdings PLC (A)(D)	4,888	24,330
Shelf Drilling, Ltd. (A)(D)	10,196	29,043
		53,373
United Kingdom - 12.2%		
4imprint Group PLC	1,523	88,587
A.G. Barr PLC	4,718	30,841
abrdn PLC	38,310	87,100
Accesso Technology Group PLC (A)	2,349	17,317
Advanced Medical Solutions Group PLC	6,389	16,903
AJ Bell PLC	11,487	45,830
Alfa Financial Software Holdings PLC (D)	4,048	7,222
Alliance Pharma PLC	24,062	12,444
Anglo-Eastern Plantations PLC	1,225	10,444
AO World PLC (A)	10,559	13,258
Ascential PLC (A)	20,806	77,701
Ashmore Group PLC	22,693	64,305

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Ashtead Technology Holdings PLC	2,347	\$ 18,362
Aston Martin Lagonda Global Holdings PLC (A)(D)	4,390	12,572
Auction Technology Group PLC (A)	1,706	11,327
Avon Protection PLC	1,565	16,933
Babcock International Group PLC	40,327	202,746
Bakkavor Group PLC (D)	5,579	5,790
Balfour Beatty PLC	28,524	120,147
Bank of Georgia Group PLC	2,491	126,176
Beazley PLC	24,863	165,230
Begbies Traynor Group PLC	6,626	9,868
Bellway PLC	6,212	202,904
Bloomsbury Publishing PLC	4,265	25,536
Bodycote PLC	7,984	60,389
Boohoo Group PLC (A)(B)	3,748	1,960
BRAEMAR PLC	1,328	4,645
Breedon Group PLC	8,626	39,788
Britvic PLC	12,150	130,058
Brooks Macdonald Group PLC	427	10,614
Bytes Technology Group PLC	11,524	89,744
Capita PLC (A)	91,929	25,715
Capricorn Energy PLC	7,567	16,333
Card Factory PLC (A)	14,688	20,132
Carillion PLC (A)(C)	35,521	4,342
Carr's Group PLC	6,569	8,427
Central Asia Metals PLC	8,189	18,841
Chemring Group PLC	13,921	62,142
Chesnara PLC	7,709	25,597
City of London Investment Group PLC	2,068	8,359
Clarkson PLC	1,348	54,327
Close Brothers Group PLC	7,281	73,546
CMC Markets PLC (D)	7,009	9,375
Coats Group PLC	80,166	78,979
Cohort PLC	1,758	12,474
Computacenter PLC	3,991	141,833
Concentric AB	1,680	30,003
Costain Group PLC	4,797	3,878
Cranswick PLC	3,483	168,723
Crest Nicholson Holdings PLC	13,693	37,862
Currys PLC	46,489	29,902
CVS Group PLC	2,750	58,978
Darktrace PLC (A)	5,100	23,792
Debenhams PLC (A)(C)	76,182	0
Deliveroo PLC (A)(D)	30,267	49,230
DFS Furniture PLC	12,509	19,403
Dialight PLC (A)	105	197
Diploma PLC	4,036	184,331
Direct Line Insurance Group PLC (A)	32,903	76,197
DiscoverIE Group PLC	5,627	56,623
Domino's Pizza Group PLC	18,477	88,610
dotdigital Group PLC	12,814	16,148
Dr Martens PLC	12,054	13,579
Drax Group PLC	19,800	123,728
DS Smith PLC	51,703	202,318
Dunelm Group PLC	5,320	74,236
easyJet PLC (A)	4,377	28,395
ECORA RESOURCES PLC	12,147	15,565
EKF Diagnostics Holdings PLC	8,242	3,325
Elementis PLC (A)	32,864	53,428
Energiean PLC	5,147	68,464
EnQuest PLC (A)	115,537	22,160
Esken, Ltd. (A)	25,251	386
Essentra PLC	14,966	32,333
FDM Group Holdings PLC	4,489	26,162
Fevertree Drinks PLC	791	10,576

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Firstgroup PLC	37,976	\$ 84,712
Fore sight Group Holdings, Ltd.	2,196	12,069
Forterra PLC (D)	10,957	24,682
Foxtons Group PLC	23,551	13,825
Frasers Group PLC (A)	9,750	113,064
Frontier Developments PLC (A)	1,107	1,851
Fuller Smith & Turner PLC, Class A	1,525	12,646
Funding Circle Holdings PLC (A)(D)	3,849	1,968
Future PLC	1,046	10,610
Galliford Try Holdings PLC	5,675	16,275
Games Workshop Group PLC	1,582	198,817
Gamma Communications PLC	3,729	53,332
GB Group PLC	2,949	10,293
Gem Diamonds, Ltd. (A)	12,666	2,142
Genel Energy PLC (B)	4,784	4,682
Genuit Group PLC	12,035	61,689
Gooch & Housego PLC	1,681	12,740
Grainger PLC	32,286	108,840
Greggs PLC	5,120	169,725
Gulf Keystone Petroleum, Ltd.	11,237	18,499
Halfords Group PLC	15,547	39,455
Harbour Energy PLC	25,115	98,676
Hargreaves Lansdown PLC	12,955	121,077
Harworth Group PLC	6,530	10,078
Hays PLC	77,290	107,562
Headlam Group PLC	6,602	18,184
Helical PLC	6,424	18,108
Helios Towers PLC (A)	21,114	23,978
Henry Boot PLC (B)	5,301	13,987
Hill & Smith PLC	4,214	102,362
Hilton Food Group PLC	3,867	39,446
Hollywood Bowl Group PLC	8,153	31,780
Howden Joinery Group PLC	16,247	168,201
Hunting PLC	8,331	31,347
Ibstock PLC (D)	19,043	36,729
IDOX PLC	10,437	9,165
IG Group Holdings PLC	10,589	103,206
IMI PLC	5,982	128,179
Impax Asset Management Group PLC	4,165	29,117
Inchcape PLC	19,351	176,193
Indivior PLC (A)	7,200	108,722
IntegraFin Holdings PLC	12,246	47,298
Intermediate Capital Group PLC	2,787	59,540
International Distributions Services PLC (A)	28,233	97,789
International Personal Finance PLC	12,526	19,040
iomart Group PLC	2,265	4,403
IP Group PLC	38,897	28,829
IQE PLC (A)	39,142	12,192
ITV PLC	154,019	123,950
J.D. Wetherspoon PLC (A)	4,332	44,756
James Fisher & Sons PLC (A)	2,814	11,044
James Halstead PLC	11,052	28,679
JET2 PLC	6,865	109,352
John Wood Group PLC (A)	34,072	74,480
Johnson Matthey PLC	6,489	140,344
Johnson Service Group PLC	24,380	44,087
Jupiter Fund Management PLC	22,824	27,152
Just Group PLC	56,562	61,803
Kainos Group PLC	4,099	58,428
Keller Group PLC	4,206	47,144
Kier Group PLC (A)	22,531	30,785
Kin & Carta PLC (A)	5,938	10,036
Kitwave Group PLC	3,226	10,489
Knights Group Holdings PLC	2,269	3,224

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Lancashire Holdings, Ltd.	14,953	\$ 118,753
Learning Technologies Group PLC	21,193	21,901
Liontrust Asset Management PLC	3,242	26,030
Luceco PLC (D)	1,922	3,039
M&C Saatchi PLC	253	516
Macfarlane Group PLC	6,288	9,372
Man Group PLC	60,987	180,707
Marks & Spencer Group PLC	77,175	267,458
Marshall's PLC	3,831	13,623
Marston's PLC (A)	37,566	16,236
McBride PLC (A)	14,770	14,677
ME Group International PLC	18,684	29,734
Mears Group PLC	8,289	32,731
Metro Bank Holdings PLC (A)(B)	9,741	4,594
Midwich Group PLC	1,327	7,386
Mitchells & Butlers PLC (A)	16,776	55,084
Mitie Group PLC	86,555	109,577
MJ Gleeson PLC	2,770	17,116
Mobico Group PLC	21,097	22,727
Moneysupermarket.com Group PLC	27,587	98,302
Moonpig Group PLC (A)	11,812	23,586
Morgan Advanced Materials PLC	8,676	31,256
Morgan Sindall Group PLC	1,829	51,567
Mortgage Advice Bureau Holdings, Ltd.	1,276	13,332
MP Evans Group PLC	1,384	13,071
N. Brown Group PLC (A)	9,633	1,902
NCC Group PLC	17,294	28,389
Next 15 Group PLC	3,756	39,905
Ninety One PLC	19,976	46,615
NIOX Group PLC	9,034	7,717
Norcros PLC	6,666	16,284
Oddfell Technology, Ltd.	828	4,513
On the Beach Group PLC (A)(D)	5,451	12,131
OSB Group PLC	19,598	115,729
Oxford Instruments PLC	3,076	89,669
Pagegroup PLC	17,115	106,275
Pan African Resources PLC	85,815	18,398
Paragon Banking Group PLC	11,963	106,059
PayPoint PLC	4,705	31,152
Pendragon PLC (A)	102,667	42,237
Pennon Group PLC	11,961	114,701
Persimmon PLC	8,864	156,681
Petrofac, Ltd. (A)(B)	13,839	6,583
Pets at Home Group PLC	22,046	89,501
Pharos Energy PLC	16,636	4,512
Phoenix Spree Deutschland, Ltd. (A)	5,484	11,874
Polar Capital Holdings PLC	3,830	22,790
Porvair PLC	2,468	19,322
Premier Foods PLC	33,077	57,178
PZ Cussons PLC	13,141	25,614
QinetiQ Group PLC	25,053	98,629
Quilter PLC (D)	54,284	70,992
Rank Group PLC (A)	7,303	6,954
Rathbones Group PLC	3,057	67,845
Reach PLC	25,143	23,972
Redde Northgate PLC	14,424	66,908
Redrow PLC	15,193	119,000
Renew Holdings PLC	4,150	45,511
Renewi PLC (A)	5,276	42,952
Ricardo PLC	2,982	18,619
RM PLC (A)	8,752	7,282
Robert Walters PLC	4,693	26,578
Rotork PLC	43,493	178,996
RS GROUP PLC	14,553	151,908
RWS Holdings PLC	1,824	5,848

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
S&U PLC	513	\$ 14,293
Sabre Insurance Group PLC (D)	10,582	20,383
Saga PLC (A)	4,637	8,621
Savannah Energy PLC (A)(B)(C)	53,744	17,982
Savills PLC	5,951	73,435
Senior PLC	21,835	49,319
Serco Group PLC	46,758	96,342
Serica Energy PLC	10,784	31,516
Severfield PLC	11,941	9,687
SIG PLC (A)	64,105	27,187
Smart Metering Systems PLC	5,194	62,221
Softcat PLC	6,218	107,776
Spectris PLC	502	24,147
Speedy Hire PLC	24,369	10,185
Spire Healthcare Group PLC (D)	13,646	39,352
Spirent Communications PLC	33,589	52,666
SSP Group PLC (A)	32,793	98,076
SThree PLC	8,144	43,170
Studio Retail Group PLC (A)(C)	8,139	11,931
STV Group PLC	2,712	6,790
Superdry PLC (A)	3,110	1,352
Synthomer PLC (A)	6,230	15,030
Tate & Lyle PLC	17,496	146,769
Tatton Asset Management PLC	1,955	13,270
Taylor Wimpey PLC	38,545	72,153
Team Internet Group PLC	10,289	16,392
Telecom Plus PLC	3,652	74,969
The Gym Group PLC (A)(D)	5,959	8,049
The Vitec Group PLC	3,978	17,645
THG PLC (A)	6,472	7,013
TI Fluid Systems PLC (D)	15,076	29,510
Topps Tiles PLC	15,591	9,924
TORM PLC, Class A	1,596	48,307
TP ICAP Group PLC	45,423	112,927
Trainline PLC (A)(D)	13,090	53,711
Travis Perkins PLC	9,597	101,143
Trifast PLC	7,237	8,152
TT Electronics PLC	14,769	29,398
Tullow Oil PLC (A)	72,437	35,870
Tyman PLC	9,005	36,066
Vanquis Banking Group PLC	13,396	22,059
Vertu Motors PLC	13,548	12,242
Vesuvius PLC	12,719	77,994
Victrex PLC	3,473	67,381
Virgin Money UK PLC	57,990	121,160
Vistry Group PLC	14,429	168,624
Volex PLC	6,267	25,483
Volution Group PLC	9,834	54,269
Vp PLC	637	5,177
Watches of Switzerland Group PLC (A)(D)	10,654	96,069
Watkin Jones PLC	10,502	7,794
WH Smith PLC	5,221	88,658
Wickes Group PLC	13,094	23,654
Wilmington PLC	8,076	34,166
Wincanton PLC	8,498	33,714
Xaar PLC (A)	5,629	8,326
Young & Co's Brewery PLC	1,750	18,203
Young & Co's Brewery PLC, Class A (B)	1,224	17,011
Zotefoams PLC	1,549	6,613
		13,069,978
United States - 0.7%		
Argonaut Gold, Inc. (A)	16,734	5,936
Atlantic Sapphire ASA (A)	1,608	255
Burford Capital, Ltd.	8,414	129,703
Diversified Energy Company PLC	1,929	27,343

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
Energy Fuels, Inc. (A)	730	\$ 5,234
Frontage Holdings Corp. (A)(D)	14,000	4,170
Perpetua Resources Corp. (A)	3,000	9,486
Primo Water Corp.	1,600	24,080
Primo Water Corp. (Toronto Stock Exchange)	6,607	99,525
PureTech Health PLC (A)	16,139	39,689
REC Silicon ASA (A)(B)	16,036	22,072
Reliance Worldwide Corp., Ltd.	36,825	111,246
Samsonite International SA (A)(D)	41,100	135,598
SSR Mining, Inc.	8,907	95,587
Viemed Healthcare, Inc. (A)	2,600	20,410
		730,334
TOTAL COMMON STOCKS (Cost \$113,465,126)		\$ 105,244,881
PREFERRED SECURITIES - 0.4%		
Germany - 0.4%		
Draegerwerk AG & Company KGaA	565	32,365
Einhell Germany AG	73	13,302
FUCHS SE	3,739	166,348
Jungheinrich AG	2,336	85,530
Sixt SE	838	62,106
STO SE & Company KGaA	163	25,145
Villeroy & Boch AG	625	12,345
		397,141
TOTAL PREFERRED SECURITIES (Cost \$344,347)		\$ 397,141
RIGHTS - 0.0%		
Intercell AG (A)(C)(E)	3,233	0
Sigma Healthcare, Ltd. (Expiration Date: 1-22-24; Strike Price: AUD 0.70) (A)	46,975	9,763
TOTAL RIGHTS (Cost \$0)		\$ 9,763
WARRANTS - 0.0%		
Webuild SpA (Expiration Date: 8-2-30) (A)(E)	1,316	912
TOTAL WARRANTS (Cost \$0)		\$ 912
SHORT-TERM INVESTMENTS - 4.0%		
Short-term funds - 4.0%		
John Hancock Collateral Trust, 5.3645% (F)(G)	425,702	4,257,109
TOTAL SHORT-TERM INVESTMENTS (Cost \$4,256,855)		\$ 4,257,109
Total Investments (International Small Company Trust) (Cost \$118,066,328) - 102.8%		\$ 109,909,806
Other assets and liabilities, net - (2.8%)		(3,024,538)
TOTAL NET ASSETS - 100.0%		\$ 106,885,268

Currency Abbreviations

AUD Australian Dollar

Security Abbreviations and Legend

- (A) Non-income producing security.
(B) All or a portion of this security is on loan as of 12-31-23.
(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) 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.
(E) Strike price and/or expiration date not available.
(F) The rate shown is the annualized seven-day yield as of 12-31-23.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

International Small Company Trust (continued)

(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	7	Long	Mar 2024	\$773,863	\$788,340	\$14,477
						\$14,477

[^] 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 - 50.2%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	28,391,724	\$ 485,214,555
Fixed income - 49.8%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	40,931,273	480,533,143
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$1,041,918,566)		\$ 965,747,698
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.3645% (C)(D)	1	15
TOTAL SHORT-TERM INVESTMENTS (Cost \$15)		\$ 15
Total Investments (Lifestyle Balanced Portfolio) (Cost \$1,041,918,581) - 100.0%		\$ 965,747,713
Other assets and liabilities, net - (0.0%)		(182)
TOTAL NET ASSETS - 100.0%		\$ 965,747,531

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 12-31-23.
(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)	1,942,690	\$ 33,200,575
Fixed income - 80.0%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	11,285,964	132,497,215
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$188,470,297)		\$ 165,697,790

Lifestyle Conservative Portfolio (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.3645% (C)(D)	8,168	\$ 81,686
TOTAL SHORT-TERM INVESTMENTS (Cost \$81,666)		\$ 81,686
Total Investments (Lifestyle Conservative Portfolio) (Cost \$188,551,963) - 100.0%		\$ 165,779,476
Other assets and liabilities, net - (0.0%)		(10,221)
TOTAL NET ASSETS - 100.0%		\$ 165,769,255

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.
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(C) The rate shown is the annualized seven-day yield as of 12-31-23.
(D) Investment is an affiliate of the fund, the advisor and/or subadvisor.

Lifestyle Growth Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 70.7%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	213,181,216	\$ 3,642,845,732
Fixed income - 29.3%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	128,572,138	1,509,436,905
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$5,419,629,352)		\$ 5,152,282,637
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.3645% (C)(D)	8	77
TOTAL SHORT-TERM INVESTMENTS (Cost \$77)		\$ 77
Total Investments (Lifestyle Growth Portfolio) (Cost \$5,419,629,429) - 100.0%		\$ 5,152,282,714
Other assets and liabilities, net - 0.0%		71,094
TOTAL NET ASSETS - 100.0%		\$ 5,152,353,808

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.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Lifestyle Growth Portfolio (continued)

(C) The rate shown is the annualized seven-day yield as of 12-31-23.
 (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 - 40.1%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	6,768,636	\$ 115,675,995
Fixed income - 59.9%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	14,720,625	172,820,144
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$319,203,126)		\$ 288,496,139
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
John Hancock Collateral Trust, 5.3645% (C)(D)	5,775	57,755
TOTAL SHORT-TERM INVESTMENTS (Cost \$57,747)		\$ 57,755
Total Investments (Lifestyle Moderate Portfolio) (Cost \$319,260,873) - 100.0%		\$ 288,553,894
Other assets and liabilities, net - (0.0%)		(8,883)
TOTAL NET ASSETS - 100.0%		\$ 288,545,011

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 12-31-23.
 (D) Investment is an affiliate of the fund, the advisor and/or subadvisor.

Mid Cap Growth Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 94.9%		
Communication services - 9.6%		
Entertainment - 6.8%		
Liberty Media Corp.-Liberty Formula One, Series C (A)	121,294	\$ 7,657,290
Live Nation Entertainment, Inc. (A)	125,093	11,708,705
Roku, Inc. (A)	57,765	5,294,740
Spotify Technology SA (A)	88,613	16,651,269
		41,312,004
Interactive media and services - 2.8%		
Pinterest, Inc., Class A (A)	446,627	16,543,064
		57,855,068
Consumer discretionary - 13.9%		
Automobile components - 2.2%		
Mobileye Global, Inc., Class A (A)(B)	308,100	13,346,892
Broadline retail - 1.1%		
Global-e Online, Ltd. (A)	175,229	6,944,325
Diversified consumer services - 0.6%		
Duolingo, Inc. (A)	16,690	3,786,127
Hotels, restaurants and leisure - 3.6%		
DraftKings, Inc., Class A (A)	378,615	13,346,179
Las Vegas Sands Corp.	171,663	8,447,536
		21,793,715
Specialty retail - 3.7%		
O'Reilly Automotive, Inc. (A)	5,403	5,133,282

Mid Cap Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Ross Stores, Inc.	122,999	\$ 17,021,832
		22,155,114
Textiles, apparel and luxury goods - 2.7%		
Deckers Outdoor Corp. (A)	13,103	8,758,438
On Holding AG, Class A (A)	270,249	7,288,616
		16,047,054
		84,073,227
Consumer staples - 3.8%		
Beverages - 1.3%		
Celsius Holdings, Inc. (A)	140,707	7,671,346
Personal care products - 2.5%		
e.l.f. Beauty, Inc. (A)	104,552	15,091,036
		22,762,382
Energy - 4.0%		
Oil, gas and consumable fuels - 4.0%		
Cheniere Energy, Inc.	70,246	11,991,695
Diamondback Energy, Inc.	27,139	4,208,716
Targa Resources Corp.	90,987	7,904,041
		24,104,452
Financials - 7.5%		
Capital markets - 4.6%		
Ares Management Corp., Class A	103,321	12,286,933
Tradeweb Markets, Inc., Class A	167,387	15,212,131
		27,499,064
Financial services - 2.9%		
Block, Inc. (A)	227,982	17,634,408
		45,133,472
Health care - 21.8%		
Biotechnology - 3.5%		
Exact Sciences Corp. (A)	225,316	16,668,878
United Therapeutics Corp. (A)	20,689	4,549,304
		21,218,182
Health care equipment and supplies - 11.7%		
Align Technology, Inc. (A)	57,994	15,890,355
DexCom, Inc. (A)	156,427	19,411,026
Inspire Medical Systems, Inc. (A)	53,438	10,870,892
Insulet Corp. (A)	62,964	13,661,929
Shockwave Medical, Inc. (A)	55,095	10,498,903
		70,333,105
Health care providers and services - 0.9%		
agilon health, Inc. (A)	444,580	5,579,479
Health care technology - 2.2%		
Veeva Systems, Inc., Class A (A)	69,294	13,340,481
Life sciences tools and services - 3.5%		
Agilent Technologies, Inc.	90,347	12,560,943
Medpace Holdings, Inc. (A)	28,419	8,711,276
		21,272,219
		131,743,466

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Mid Cap Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrials – 11.0%		
Aerospace and defense – 2.7%		
Axon Enterprise, Inc. (A)	63,080	\$ 16,295,456
Building products – 1.3%		
Builders FirstSource, Inc. (A)	47,364	7,906,946
Commercial services and supplies – 2.3%		
Copart, Inc. (A)	277,864	13,615,336
Construction and engineering – 1.9%		
Fluor Corp. (A)	299,436	11,728,908
Machinery – 1.3%		
The Toro Company	84,683	8,128,721
Professional services – 1.5%		
EXL Service Holdings, Inc. (A)	285,968	8,822,113
		66,497,480
Information technology – 19.8%		
Electronic equipment, instruments and components – 3.0%		
Flex, Ltd. (A)	595,788	18,147,701
IT services – 5.7%		
Gartner, Inc. (A)	28,050	12,653,636
MongoDB, Inc. (A)	26,209	10,715,550
Snowflake, Inc., Class A (A)	55,918	11,127,682
		34,496,868
Semiconductors and semiconductor equipment – 5.1%		
ARM Holdings PLC, ADR (A)(B)	201,036	15,106,850
MKS Instruments, Inc.	60,518	6,225,487
Universal Display Corp.	52,134	9,971,149
		31,303,486
Software – 6.0%		
CrowdStrike Holdings, Inc., Class A (A)	40,508	10,342,503
HubSpot, Inc. (A)	8,786	5,100,624
Informatica, Inc., Class A (A)	181,015	5,139,016
Workday, Inc., Class A (A)	35,063	9,679,492
Zscaler, Inc. (A)	26,662	5,907,233
		36,168,868
		120,116,923
Materials – 1.2%		
Construction materials – 1.2%		
Vulcan Materials Company	32,932	7,475,893
Real estate – 1.4%		
Real estate management and development – 1.4%		
CoStar Group, Inc. (A)	100,817	8,810,398
Utilities – 0.9%		
Gas utilities – 0.5%		
Atmos Energy Corp.	25,017	2,899,470
Multi-utilities – 0.4%		
CenterPoint Energy, Inc.	101,395	2,896,855
		5,796,325
TOTAL COMMON STOCKS (Cost \$518,363,011)		\$ 574,369,086
PREFERRED SECURITIES – 0.7%		
Information technology – 0.7%		
Software – 0.7%		
Essence Group Holdings Corp. (A)(C)(D)	1,663,188	2,245,304
Lookout, Inc., Series F (A)(C)(D)	211,003	1,964,438
		4,209,742
TOTAL PREFERRED SECURITIES (Cost \$5,070,285)		\$ 4,209,742
EXCHANGE-TRADED FUNDS – 2.5%		
iShares Russell Mid-Cap Growth ETF (B)	141,929	14,825,903
TOTAL EXCHANGE-TRADED FUNDS (Cost \$14,414,012)		\$ 14,825,903

Mid Cap Growth Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 6.1%		
Short-term funds – 4.4%		
John Hancock Collateral Trust, 5.3645% (E)(F)	2,651,060	\$ 26,511,135
Repurchase agreement – 1.7%		
Deutsche Bank Tri-Party Repurchase Agreement dated 12-29-23 at 5.330% to be repurchased at \$10,406,159 on 1-2-24, collateralized by \$12,444,678 Government National Mortgage Association, 2.000% due 12-20-50 (valued at \$10,608,000)	\$ 10,400,000	10,400,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$36,911,849)		\$ 36,911,135
Total Investments (Mid Cap Growth Trust) (Cost \$574,759,157) – 104.2%		
		\$ 630,315,866
Other assets and liabilities, net – (4.2%)		
		(25,164,349)
TOTAL NET ASSETS – 100.0%		
		\$ 605,151,517

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 12-31-23.
(C)	Restricted security as to resale. For more information on this security refer to the Notes to financial statements.
(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 12-31-23.
(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 – 96.7%		
Communication services – 1.7%		
Diversified telecommunication services – 0.4%		
Frontier Communications Parent, Inc. (A)	103,030	\$ 2,610,780
Iridium Communications, Inc.	57,691	2,374,562
		4,985,342
Entertainment – 0.2%		
TKO Group Holdings, Inc.	27,948	2,279,998
Interactive media and services – 0.4%		
Ziff Davis, Inc. (A)	21,420	1,439,210
ZoomInfo Technologies, Inc. (A)	137,989	2,551,417
		3,990,627
Media – 0.7%		
Cable One, Inc.	2,119	1,179,414
Nexstar Media Group, Inc.	15,015	2,353,601
TEGNA, Inc.	91,750	1,403,775
The New York Times Company, Class A	76,219	3,733,969
		8,670,759
		19,926,726
Consumer discretionary – 15.3%		
Automobile components – 1.5%		
Adient PLC (A)	43,627	1,586,278
Autoliv, Inc.	34,885	3,843,978
Fox Factory Holding Corp. (A)	19,742	1,332,190
Gentex Corp.	108,652	3,548,574
Lear Corp.	27,138	3,832,157

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobile components (continued)		
The Goodyear Tire & Rubber Company (A)	132,080	\$ 1,891,386
Visteon Corp. (A)	12,955	1,618,080
		17,652,643
Automobiles – 0.4%		
Harley-Davidson, Inc.	59,035	2,174,849
Thor Industries, Inc.	24,818	2,934,729
		5,109,578
Broadline retail – 0.5%		
Macy's, Inc.	127,462	2,564,535
Nordstrom, Inc. (B)	45,187	833,700
Ollie's Bargain Outlet Holdings, Inc. (A)	28,742	2,181,230
		5,579,465
Diversified consumer services – 0.9%		
Graham Holdings Company, Class B	1,668	1,161,795
Grand Canyon Education, Inc. (A)	13,768	1,817,927
H&R Block, Inc.	67,045	3,242,967
Service Corp. International	68,821	4,710,797
		10,933,486
Hotels, restaurants and leisure – 3.4%		
Aramark	121,600	3,416,960
Boyd Gaming Corp.	32,366	2,026,435
Choice Hotels International, Inc. (B)	11,598	1,314,053
Churchill Downs, Inc.	31,620	4,266,487
Hilton Grand Vacations, Inc. (A)	33,198	1,333,896
Hyatt Hotels Corp., Class A	20,599	2,686,316
Light & Wonder, Inc. (A)	41,945	3,444,104
Marriott Vacations Worldwide Corp.	15,386	1,306,118
Penn Entertainment, Inc. (A)	70,691	1,839,380
Planet Fitness, Inc., Class A (A)	39,798	2,905,254
Texas Roadhouse, Inc.	31,108	3,802,331
The Wendy's Company	77,823	1,515,992
Travel + Leisure Company	33,734	1,318,662
Vail Resorts, Inc.	17,743	3,787,598
Wingstop, Inc.	13,702	3,515,659
Wyndham Hotels & Resorts, Inc.	38,645	3,107,444
		41,586,689
Household durables – 1.9%		
Helen of Troy, Ltd. (A)	11,060	1,336,159
KB Home	35,663	2,227,511
Leggett & Platt, Inc.	62,101	1,625,183
Taylor Morrison Home Corp. (A)	50,051	2,670,221
Tempur Sealy International, Inc.	80,247	4,090,190
Toll Brothers, Inc.	50,065	5,146,181
TopBuild Corp. (A)	14,801	5,539,422
		22,634,867
Leisure products – 0.9%		
Brunswick Corp.	32,054	3,101,225
Mattel, Inc. (A)	164,540	3,106,515
Polaris, Inc.	24,727	2,343,378
YETI Holdings, Inc. (A)	40,457	2,094,863
		10,645,981
Specialty retail – 3.8%		
AutoNation, Inc. (A)	12,082	1,814,475
Burlington Stores, Inc. (A)	30,224	5,877,964
Dick's Sporting Goods, Inc.	28,626	4,206,591
Five Below, Inc. (A)	25,939	5,529,157
Floor & Decor Holdings, Inc., Class A (A)	49,642	5,538,062
GameStop Corp., Class A (A)(B)	125,123	2,193,406
Lithia Motors, Inc.	12,819	4,221,040
Murphy USA, Inc.	9,019	3,215,815
Penske Automotive Group, Inc.	9,080	1,457,431

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
RH (A)	7,200	\$ 2,098,656
The Gap, Inc.	99,931	2,089,557
Valvoline, Inc. (A)	64,591	2,427,330
Williams-Sonoma, Inc.	29,879	6,028,985
		46,698,469
Textiles, apparel and luxury goods – 2.0%		
Capri Holdings, Ltd. (A)	54,137	2,719,843
Carter's, Inc.	17,153	1,284,588
Columbia Sportswear Company	16,066	1,277,890
Crocs, Inc. (A)	28,213	2,635,376
Deckers Outdoor Corp. (A)	11,986	8,011,802
PVH Corp.	28,147	3,437,312
Skechers USA, Inc., Class A (A)	62,231	3,879,481
Under Armour, Inc., Class A (A)	87,938	772,975
Under Armour, Inc., Class C (A)	90,100	752,335
		24,771,602
		185,612,780
Consumer staples – 4.0%		
Beverages – 0.6%		
Celsius Holdings, Inc. (A)	69,067	3,765,533
Coca-Cola Consolidated, Inc.	2,183	2,026,697
The Boston Beer Company, Inc., Class A (A)	4,384	1,515,067
		7,307,297
Consumer staples distribution and retail – 1.8%		
BJ's Wholesale Club Holdings, Inc. (A)	62,294	4,152,518
Casey's General Stores, Inc.	17,359	4,769,212
Grocery Outlet Holding Corp. (A)	46,241	1,246,657
Performance Food Group Company (A)	72,481	5,012,061
Sprouts Farmers Market, Inc. (A)	47,308	2,275,988
U.S. Foods Holding Corp. (A)	105,359	4,784,352
		22,240,788
Food products – 1.1%		
Darling Ingredients, Inc. (A)	74,312	3,703,710
Flowers Foods, Inc.	89,491	2,014,442
Ingredion, Inc.	30,367	3,295,731
Lancaster Colony Corp.	9,485	1,578,209
Pilgrim's Pride Corp. (A)	18,751	518,653
Post Holdings, Inc. (A)	23,669	2,084,292
		13,195,037
Personal care products – 0.5%		
BellRing Brands, Inc. (A)	61,229	3,393,923
Coty, Inc., Class A (A)	174,447	2,166,632
		5,560,555
		48,303,677
Energy – 4.9%		
Energy equipment and services – 1.0%		
ChampionX Corp.	90,740	2,650,515
NOV, Inc.	183,496	3,721,299
Valaris, Ltd. (A)	29,201	2,002,313
Weatherford International PLC (A)	33,594	3,286,501
		11,660,628
Oil, gas and consumable fuels – 3.9%		
Antero Midstream Corp.	158,654	1,987,935
Antero Resources Corp. (A)	131,597	2,984,620
Chesapeake Energy Corp.	51,897	3,992,955
Chord Energy Corp.	19,228	3,196,270
Civitas Resources, Inc.	39,750	2,718,105
CNX Resources Corp. (A)	73,996	1,479,920
DT Midstream, Inc.	45,138	2,473,562
Equitrans Midstream Corp.	201,818	2,054,507

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
HF Sinclair Corp.	72,925	\$ 4,052,442
Matador Resources Company	51,610	2,934,545
Murphy Oil Corp.	68,357	2,916,110
Ovintiv, Inc.	118,222	5,192,310
PBF Energy, Inc., Class A	50,661	2,227,058
Permian Resources Corp.	175,462	2,386,283
Range Resources Corp.	112,403	3,421,547
Southwestern Energy Company (A)	513,076	3,360,648
		47,378,817
		59,039,445
Financials – 15.6%		
Banks – 5.5%		
Associated Banc-Corp.	69,226	1,480,744
Bank OZK	49,011	2,442,218
Cadence Bank	85,088	2,517,754
Columbia Banking System, Inc.	97,157	2,592,149
Commerce Bancshares, Inc.	55,318	2,954,534
Cullen/Frost Bankers, Inc.	29,834	3,236,691
East West Bancorp, Inc.	65,647	4,723,302
First Financial Bankshares, Inc.	59,828	1,812,788
First Horizon Corp.	260,282	3,685,593
FNB Corp.	167,148	2,301,628
Glacier Bancorp, Inc.	51,649	2,134,137
Hancock Whitney Corp.	40,130	1,949,917
Home BancShares, Inc.	87,408	2,214,045
International Bancshares Corp.	24,860	1,350,395
New York Community Bancorp, Inc.	336,543	3,442,835
Old National Bancorp	136,307	2,302,225
Pinnacle Financial Partners, Inc.	35,762	3,119,162
Prosperity Bancshares, Inc.	43,654	2,956,685
SouthState Corp.	35,432	2,992,232
Synovus Financial Corp.	68,121	2,564,756
Texas Capital Bancshares, Inc. (A)	22,368	1,445,644
UMB Financial Corp.	20,346	1,699,908
United Bankshares, Inc.	62,853	2,360,130
Valley National Bancorp	198,648	2,157,317
Webster Financial Corp.	80,136	4,067,703
Wintrust Financial Corp.	28,524	2,645,601
		67,150,093
Capital markets – 2.7%		
Affiliated Managers Group, Inc.	15,749	2,384,714
Evercore, Inc., Class A	16,145	2,761,602
Federated Hermes, Inc.	40,174	1,360,292
Houlihan Lokey, Inc.	24,043	2,882,996
Interactive Brokers Group, Inc., Class A	49,849	4,132,482
Janus Henderson Group PLC	61,732	1,861,220
Jefferies Financial Group, Inc.	78,416	3,168,791
Morningstar, Inc.	12,133	3,472,950
SEI Investments Company	46,584	2,960,413
Stifel Financial Corp.	47,511	3,285,386
The Carlyle Group, Inc.	100,838	4,103,098
		32,373,944
Consumer finance – 0.7%		
Ally Financial, Inc.	126,452	4,415,704
FirstCash Holdings, Inc.	17,230	1,867,560
SLM Corp.	105,399	2,015,229
		8,298,493
Financial services – 1.8%		
Equitable Holdings, Inc.	148,211	4,935,426
Essent Group, Ltd.	49,730	2,622,760
Euronet Worldwide, Inc. (A)	20,409	2,071,309
MGIC Investment Corp.	129,174	2,491,766
The Western Union Company	169,722	2,023,086

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
Voya Financial, Inc.	48,662	\$ 3,550,380
WEX, Inc. (A)	19,907	3,872,907
		21,567,634
Insurance – 4.3%		
American Financial Group, Inc.	30,439	3,618,893
Brighthouse Financial, Inc. (A)	29,907	1,582,678
CNO Financial Group, Inc.	52,251	1,457,803
Erie Indemnity Company, Class A	11,618	3,891,101
Fidelity National Financial, Inc.	120,436	6,144,645
First American Financial Corp.	48,063	3,097,180
Kemper Corp.	28,061	1,365,729
Kinsale Capital Group, Inc.	10,255	3,434,502
Old Republic International Corp.	121,461	3,570,953
Primerica, Inc.	16,319	3,357,797
Reinsurance Group of America, Inc.	30,700	4,966,646
RenaissanceRe Holdings, Ltd.	24,453	4,792,788
RLI Corp.	18,703	2,489,743
Selective Insurance Group, Inc.	28,223	2,807,624
The Hanover Insurance Group, Inc.	16,658	2,022,614
Unum Group	85,403	3,861,924
		52,462,620
Mortgage real estate investment trusts – 0.6%		
Annaly Capital Management, Inc.	232,947	4,512,183
Starwood Property Trust, Inc.	138,609	2,913,561
		7,425,744
		189,278,528
Health care – 7.5%		
Biotechnology – 1.5%		
Arrowhead Pharmaceuticals, Inc. (A)	49,932	1,527,919
Exelixis, Inc. (A)	144,855	3,475,071
Halozyne Therapeutics, Inc. (A)	61,533	2,274,260
Neurocrine Biosciences, Inc. (A)	45,767	6,030,260
United Therapeutics Corp. (A)	21,862	4,807,235
		18,114,745
Health care equipment and supplies – 2.3%		
Enovis Corp. (A)	23,142	1,296,415
Envista Holdings Corp. (A)	79,841	1,920,974
Globus Medical, Inc., Class A (A)	53,737	2,863,645
Haemonetics Corp. (A)	23,636	2,021,114
Inari Medical, Inc. (A)	23,840	1,547,693
Integra LifeSciences Holdings Corp. (A)	31,681	1,379,708
Lantheus Holdings, Inc. (A)	31,903	1,977,986
LivaNova PLC (A)	25,099	1,298,622
Masimo Corp. (A)	20,676	2,423,434
Neogen Corp. (A)	91,692	1,843,926
Penumbra, Inc. (A)	17,978	4,522,186
QuidelOrtho Corp. (A)	23,033	1,697,532
Shockwave Medical, Inc. (A)	17,187	3,275,155
		28,068,390
Health care providers and services – 2.0%		
Acadia Healthcare Company, Inc. (A)	42,955	3,340,181
Amedisys, Inc. (A)	15,201	1,445,007
Chemed Corp.	7,016	4,102,606
Encompass Health Corp.	46,689	3,115,090
HealthEquity, Inc. (A)	39,887	2,644,508
Option Care Health, Inc. (A)	82,510	2,779,762
Patterson Companies, Inc.	39,639	1,127,730
Progyny, Inc. (A)	38,838	1,443,997
R1 RCM, Inc. (A)	91,723	969,512

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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)		
Tenet Healthcare Corp. (A)	47,304	\$ 3,574,763
		24,543,156
Health care technology – 0.1%		
Doximity, Inc., Class A (A)	55,040	1,543,322
Life sciences tools and services – 1.1%		
Azenta, Inc. (A)	28,020	1,825,223
Bruker Corp.	43,197	3,174,116
Medpace Holdings, Inc. (A)	10,862	3,329,529
Repligen Corp. (A)	24,187	4,348,823
Sotera Health Company (A)	46,076	776,381
		13,454,072
Pharmaceuticals – 0.5%		
Jazz Pharmaceuticals PLC (A)	29,326	3,607,098
Perrigo Company PLC	63,120	2,031,202
		5,638,300
		91,361,985
Industrials – 20.5%		
Aerospace and defense – 1.2%		
BWX Technologies, Inc.	42,606	3,269,158
Curtiss-Wright Corp.	17,813	3,968,558
Hexcel Corp.	39,180	2,889,525
Woodward, Inc.	28,143	3,831,107
		13,958,348
Air freight and logistics – 0.3%		
GXO Logistics, Inc. (A)	55,411	3,388,937
Building products – 3.4%		
Advanced Drainage Systems, Inc.	31,936	4,491,479
Carlisle Companies, Inc.	22,677	7,084,975
Fortune Brands Innovations, Inc.	58,736	4,472,159
Lennox International, Inc.	14,899	6,667,600
Owens Corning	41,399	6,136,574
Simpson Manufacturing Company, Inc.	19,878	3,935,446
Trex Company, Inc. (A)	50,585	4,187,932
UFP Industries, Inc.	28,793	3,614,961
		40,591,126
Commercial services and supplies – 1.2%		
Clean Harbors, Inc. (A)	23,458	4,093,656
MSA Safety, Inc.	17,213	2,906,071
Stericycle, Inc. (A)	43,098	2,135,937
Tetra Tech, Inc.	24,803	4,140,365
The Brink's Company	20,985	1,845,631
		15,121,660
Construction and engineering – 1.9%		
AECOM	64,621	5,972,919
Comfort Systems USA, Inc.	16,636	3,421,526
EMCOR Group, Inc.	21,914	4,720,933
Fluor Corp. (A)	79,363	3,108,649
MasTec, Inc. (A)	28,156	2,131,972
MDU Resources Group, Inc.	94,857	1,878,169
Valmont Industries, Inc.	9,731	2,272,286
		23,506,454
Electrical equipment – 1.5%		
Acuity Brands, Inc.	14,416	2,952,829
EnerSys	18,818	1,899,865
nVent Electric PLC	77,284	4,566,712
Regal Rexnord Corp.	30,906	4,574,706
Sensata Technologies Holding PLC	70,503	2,648,798
Sunrun, Inc. (A)	101,166	1,985,889
		18,628,799
Ground transportation – 1.9%		
Avis Budget Group, Inc. (B)	8,605	1,525,322

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Ground transportation (continued)		
Hertz Global Holdings, Inc. (A)	61,655	\$ 640,595
Knight-Swift Transportation Holdings, Inc.	75,133	4,331,417
Landstar System, Inc.	16,744	3,242,476
Ryder System, Inc.	20,646	2,375,529
Saia, Inc. (A)	12,366	5,419,029
Werner Enterprises, Inc.	29,530	1,251,186
XPO, Inc. (A)	54,022	4,731,787
		23,517,341
Machinery – 4.7%		
AGCO Corp.	28,950	3,514,820
Chart Industries, Inc. (A)	19,559	2,666,478
Crane Company	22,754	2,688,158
Donaldson Company, Inc.	56,217	3,673,781
Esab Corp.	26,390	2,285,902
Flowserve Corp.	61,119	2,519,325
Graco, Inc.	78,624	6,821,418
ITT, Inc.	38,243	4,563,155
Lincoln Electric Holdings, Inc.	26,644	5,794,004
Oshkosh Corp.	30,471	3,303,361
RBC Bearings, Inc. (A)	13,548	3,859,690
Terex Corp.	31,349	1,801,314
The Middleby Corp. (A)	24,969	3,674,688
The Timken Company	30,234	2,423,255
The Toro Company	48,372	4,643,228
Watts Water Technologies, Inc., Class A	12,748	2,655,918
		56,888,495
Marine transportation – 0.2%		
Kirby Corp. (A)	27,529	2,160,476
Professional services – 2.8%		
ASGN, Inc. (A)	21,986	2,114,394
CACI International, Inc., Class A (A)	10,377	3,360,695
Concentrix Corp.	22,027	2,163,272
EXL Service Holdings, Inc. (A)	76,823	2,369,990
Exponent, Inc.	23,580	2,075,983
FTI Consulting, Inc. (A)	16,541	3,294,140
Genpact, Ltd.	77,743	2,698,460
Insperty, Inc.	16,498	1,933,896
KBR, Inc.	62,886	3,484,513
ManpowerGroup, Inc.	22,736	1,806,830
Maximus, Inc.	28,314	2,374,412
Paylocity Holding Corp. (A)	20,149	3,321,563
Science Applications International Corp.	24,658	3,065,483
		34,063,631
Trading companies and distributors – 1.4%		
Core & Main, Inc., Class A (A)	57,824	2,336,668
GATX Corp.	16,536	1,987,958
MSC Industrial Direct Company, Inc., Class A	21,597	2,186,912
Watsco, Inc.	15,775	6,759,114
WESCO International, Inc.	20,461	3,557,759
		16,828,411
		248,653,678
Information technology – 9.3%		
Communications equipment – 0.5%		
Calix, Inc. (A)	27,307	1,193,043
Ciena Corp. (A)	68,867	3,099,704
Lumentum Holdings, Inc. (A)	31,209	1,635,976
		5,928,723
Electronic equipment, instruments and components – 2.3%		
Arrow Electronics, Inc. (A)	25,228	3,084,123
Avnet, Inc.	42,149	2,124,310
Belden, Inc.	19,416	1,499,886
Cognex Corp.	80,186	3,346,964

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Coherent Corp. (A)	61,389	\$ 2,672,263
Crane NXT Company	22,488	1,278,893
IPG Photonics Corp. (A)	13,770	1,494,596
Littelfuse, Inc.	11,595	3,102,358
Novanta, Inc. (A)	16,681	2,809,247
TD SYNNEX Corp.	23,893	2,571,126
Vishay Intertechnology, Inc.	58,804	1,409,532
Vontier Corp.	71,888	2,483,730
		27,877,028
IT services – 0.8%		
GoDaddy, Inc., Class A (A)	65,598	6,963,884
Kyndryl Holdings, Inc. (A)	106,887	2,221,112
		9,184,996
Semiconductors and semiconductor equipment – 2.8%		
Allegro MicroSystems, Inc. (A)	33,173	1,004,147
Amkor Technology, Inc.	48,081	1,599,655
Cirrus Logic, Inc. (A)	25,106	2,088,568
Lattice Semiconductor Corp. (A)	64,295	4,435,712
MACOM Technology Solutions Holdings, Inc. (A)	25,209	2,343,177
MKS Instruments, Inc.	29,283	3,012,342
Onto Innovation, Inc. (A)	22,863	3,495,753
Power Integrations, Inc.	26,485	2,174,683
Rambus, Inc. (A)	50,079	3,417,892
Silicon Laboratories, Inc. (A)	14,803	1,957,993
Synaptics, Inc. (A)	18,260	2,083,101
Universal Display Corp.	20,295	3,881,622
Wolfspeed, Inc. (A)	58,378	2,540,027
		34,034,672
Software – 2.4%		
Aspen Technology, Inc. (A)	13,056	2,874,278
Blackbaud, Inc. (A)	20,068	1,739,896
CommVault Systems, Inc. (A)	20,399	1,628,860
Dolby Laboratories, Inc., Class A	27,741	2,390,719
Dropbox, Inc., Class A (A)	119,332	3,517,907
Dynatrace, Inc. (A)	111,077	6,074,801
Manhattan Associates, Inc. (A)	28,678	6,174,947
Qualys, Inc. (A)	17,135	3,363,258
Teradata Corp. (A)	45,556	1,982,142
		29,746,808
Technology hardware, storage and peripherals – 0.5%		
Super Micro Computer, Inc. (A)	21,606	6,141,722
		112,913,949
Materials – 7.0%		
Chemicals – 2.3%		
Ashland, Inc.	23,869	2,012,395
Avient Corp.	42,464	1,765,228
Axalta Coating Systems, Ltd. (A)	102,517	3,482,502
Cabot Corp.	25,733	2,148,706
Livent Corp. (A)	85,864	1,543,835
NewMarket Corp.	3,216	1,755,389
Olin Corp.	57,085	3,079,736
RPM International, Inc.	60,010	6,698,916
The Chemours Company	69,144	2,180,802
The Scotts Miracle-Gro Company	19,357	1,234,009
Westlake Corp.	14,922	2,088,483
		27,990,001
Construction materials – 0.4%		
Eagle Materials, Inc.	16,251	3,296,353

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction materials (continued)		
Knife River Corp. (A)	26,349	\$ 1,743,777
		5,040,130
Containers and packaging – 1.8%		
AptarGroup, Inc.	30,642	3,787,964
Berry Global Group, Inc.	55,012	3,707,259
Crown Holdings, Inc.	56,198	5,175,274
Graphic Packaging Holding Company	142,563	3,514,178
Greif, Inc., Class A	11,866	778,291
Silgan Holdings, Inc.	37,702	1,706,016
Sonoco Products Company	45,629	2,549,292
		21,218,274
Metals and mining – 2.3%		
Alcoa Corp.	83,134	2,826,556
Cleveland-Cliffs, Inc. (A)	235,170	4,802,171
Commercial Metals Company	54,456	2,724,978
MP Materials Corp. (A)	67,091	1,331,756
Reliance Steel & Aluminum Company	26,771	7,487,313
Royal Gold, Inc.	30,600	3,701,376
U.S. Steel Corp.	103,894	5,054,443
		27,928,593
Paper and forest products – 0.2%		
Louisiana-Pacific Corp.	29,893	2,117,321
		84,294,319
Real estate – 7.8%		
Diversified REITs – 0.6%		
WP Carey, Inc.	101,860	6,601,534
Health care REITs – 0.9%		
Healthcare Realty Trust, Inc.	177,416	3,056,878
Medical Properties Trust, Inc.	279,021	1,369,993
Omega Healthcare Investors, Inc.	114,121	3,498,950
Physicians Realty Trust	111,089	1,478,595
Sabra Health Care REIT, Inc.	107,705	1,536,950
		10,941,366
Hotel and resort REITs – 0.1%		
Park Hotels & Resorts, Inc.	97,813	1,496,539
Industrial REITs – 1.3%		
EastGroup Properties, Inc.	21,581	3,960,977
First Industrial Realty Trust, Inc.	61,615	3,245,262
Rexford Industrial Realty, Inc.	98,332	5,516,425
STAG Industrial, Inc.	84,578	3,320,532
		16,043,196
Office REITs – 0.6%		
COPT Defense Properties	52,425	1,343,653
Cousins Properties, Inc.	70,698	1,721,496
Kilroy Realty Corp.	49,697	1,979,928
Vornado Realty Trust	74,469	2,103,749
		7,148,826
Real estate management and development – 0.4%		
Jones Lang LaSalle, Inc. (A)	22,160	4,185,359
Residential REITs – 0.8%		
Apartment Income REIT Corp.	68,471	2,377,998
Equity LifeStyle Properties, Inc.	86,824	6,124,565
Independence Realty Trust, Inc.	104,675	1,601,528
		10,104,091
Retail REITs – 1.2%		
Agree Realty Corp.	46,824	2,947,571
Brixmor Property Group, Inc.	140,021	3,258,289
Kite Realty Group Trust	102,194	2,336,155
NNN REIT, Inc.	84,983	3,662,767

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Retail REITs (continued)		
Spirit Realty Capital, Inc.	65,834	\$ 2,876,287
		15,081,069
Specialized REITs – 1.9%		
CubeSmart	104,743	4,854,838
EPR Properties	35,089	1,700,062
Gaming and Leisure Properties, Inc.	124,379	6,138,104
Lamar Advertising Company, Class A	40,795	4,335,693
National Storage Affiliates Trust	35,991	1,492,547
PotlatchDeltic Corp.	36,969	1,815,178
Rayonier, Inc.	63,551	2,123,239
		22,459,661
		94,061,641
Utilities – 3.1%		
Electric utilities – 0.9%		
ALLETE, Inc.	26,773	1,637,437
IDACORP, Inc.	23,577	2,318,091
OGE Energy Corp.	93,296	3,258,829
PNM Resources, Inc.	39,983	1,663,293
Portland General Electric Company	47,105	2,041,531
		10,919,181
Gas utilities – 0.9%		
National Fuel Gas Company	42,770	2,145,771
New Jersey Resources Corp.	45,445	2,025,938
ONE Gas, Inc.	25,831	1,645,951
Southwest Gas Holdings, Inc.	27,984	1,772,786
Spire, Inc.	24,503	1,527,517
UGI Corp.	97,577	2,400,394
		11,518,357
Independent power and renewable electricity producers – 0.6%		
Ormat Technologies, Inc.	25,021	1,896,342

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	147	Long	Mar 2024	\$39,696,255	\$41,299,650	\$1,603,395
						\$1,603,395

[^] 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 – 96.7%		
Communication services – 2.8%		
Entertainment – 0.2%		
Sphere Entertainment Company (A)	43,981	\$ 1,493,595
Media – 2.6%		
DISH Network Corp., Class A (A)	131,793	760,446
News Corp., Class A	477,388	11,719,875
News Corp., Class B	56,942	1,464,548

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Independent power and renewable electricity producers (continued)		
Vistra Corp.	156,559	\$ 6,030,653
		7,926,995
Multi-utilities – 0.3%		
Black Hills Corp.	31,671	1,708,650
Northwestern Energy Group, Inc.	28,527	1,451,739
		3,160,389
Water utilities – 0.4%		
Essential Utilities, Inc.	117,065	4,372,378
		37,897,300
TOTAL COMMON STOCKS (Cost \$920,739,752)		\$ 1,171,344,028
SHORT-TERM INVESTMENTS – 3.8%		
Short-term funds – 3.8%		
John Hancock Collateral Trust, 5.3645% (C)(D)	4,590,151	45,902,432
TOTAL SHORT-TERM INVESTMENTS (Cost \$45,899,982)		\$ 45,902,432
Total Investments (Mid Cap Index Trust) (Cost \$966,639,734) – 100.5%		\$ 1,217,246,460
Other assets and liabilities, net – (0.5%)		(5,855,944)
TOTAL NET ASSETS – 100.0%		\$ 1,211,390,516

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 12-31-23.
 (C) The rate shown is the annualized seven-day yield as of 12-31-23.
 (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 \$5,048,391.

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
Scholastic Corp.	53,449	\$ 2,015,027
		15,959,896
		17,453,491
Consumer discretionary – 8.3%		
Automobiles – 2.1%		
General Motors Company	219,600	7,888,032

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobiles (continued)		
Rivian Automotive, Inc., Class A (A)(B)	229,900	\$ 5,393,454
		13,281,486
Diversified consumer services – 1.1%		
Bright Horizons Family Solutions, Inc. (A)	69,689	6,567,491
Hotels, restaurants and leisure – 0.7%		
Compass Group PLC	158,457	4,335,909
Specialty retail – 3.1%		
Advance Auto Parts, Inc.	102,700	6,267,781
Bath & Body Works, Inc.	159,708	6,892,997
Burlington Stores, Inc. (A)	30,280	5,888,854
		19,049,632
Textiles, apparel and luxury goods – 1.3%		
Ralph Lauren Corp.	58,240	8,398,208
		51,632,726
Consumer staples – 5.7%		
Beverages – 1.3%		
Constellation Brands, Inc., Class A	19,758	4,776,497
Monster Beverage Corp. (A)	51,912	2,990,650
		7,767,147
Consumer staples distribution and retail – 1.5%		
Dollar General Corp.	40,300	5,478,785
Sysco Corp.	55,424	4,053,157
		9,531,942
Food products – 2.2%		
Flowers Foods, Inc.	309,890	6,975,624
Tyson Foods, Inc., Class A	127,053	6,829,099
		13,804,723
Personal care products – 0.7%		
Kenvue, Inc.	209,700	4,514,841
		35,618,653
Energy – 6.1%		
Energy equipment and services – 4.1%		
Baker Hughes Company	131,300	4,487,834
Expro Group Holdings NV (A)	170,061	2,707,371
SEACOR Marine Holdings, Inc. (A)	104,595	1,316,851
TechnipFMC PLC	400,155	8,059,122
Tidewater, Inc. (A)	121,351	8,750,621
		25,321,799
Oil, gas and consumable fuels – 2.0%		
Cameco Corp.	91,738	3,953,908
Chesapeake Energy Corp.	40,600	3,123,764
Suncor Energy, Inc.	165,363	5,298,231
		12,375,903
		37,697,702
Financials – 16.8%		
Banks – 5.4%		
Fifth Third Bancorp	356,243	12,286,821
Popular, Inc.	102,620	8,422,023
Webster Financial Corp.	142,109	7,213,453
Western Alliance Bancorp	87,700	5,769,783
		33,692,080
Capital markets – 1.8%		
Main Street Capital Corp.	87,581	3,786,127
Morningstar, Inc.	16,800	4,808,832

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Open Lending Corp. (A)	281,013	\$ 2,391,421
		10,986,380
Consumer finance – 0.9%		
OneMain Holdings, Inc.	109,283	5,376,724
Financial services – 5.0%		
Apollo Global Management, Inc.	48,590	4,528,102
Corebridge Financial, Inc.	198,540	4,300,376
FleetCor Technologies, Inc. (A)	32,131	9,080,542
Global Payments, Inc.	72,155	9,163,685
Jackson Financial, Inc., Class A	79,984	4,095,181
		31,167,886
Insurance – 3.7%		
Assurant, Inc.	25,400	4,279,646
Kemper Corp.	110,652	5,385,433
RenaissanceRe Holdings, Ltd.	25,655	5,028,380
The Allstate Corp.	35,500	4,969,290
The Hanover Insurance Group, Inc.	23,900	2,901,938
		22,564,687
		103,787,757
Health care – 9.9%		
Health care equipment and supplies – 3.4%		
Baxter International, Inc.	181,573	7,019,612
Dentsply Sirona, Inc.	147,687	5,256,180
Teleflex, Inc.	14,300	3,565,562
Zimmer Biomet Holdings, Inc.	42,959	5,228,110
		21,069,464
Health care providers and services – 3.1%		
agilon health, Inc. (A)	170,200	2,136,010
Cardinal Health, Inc.	27,499	2,771,899
Centene Corp. (A)	51,606	3,829,681
Select Medical Holdings Corp.	434,268	10,205,298
		18,942,888
Life sciences tools and services – 1.0%		
Charles River Laboratories International, Inc. (A)	27,578	6,519,439
Pharmaceuticals – 2.4%		
Catalent, Inc. (A)	131,675	5,916,158
Elanco Animal Health, Inc. (A)	303,740	4,525,726
Viatrix, Inc.	396,651	4,295,730
		14,737,614
		61,269,405
Industrials – 16.8%		
Aerospace and defense – 5.8%		
Huntington Ingalls Industries, Inc.	20,753	5,388,309
L3Harris Technologies, Inc.	31,800	6,697,716
Rolls-Royce Holdings PLC (A)	1,872,385	7,141,967
Spirit AeroSystems Holdings, Inc., Class A (A)	257,060	8,169,367
Textron, Inc.	107,308	8,629,709
		36,027,068
Building products – 1.3%		
Armstrong World Industries, Inc.	39,600	3,893,472
Trane Technologies PLC	17,282	4,215,080
		8,108,552
Construction and engineering – 0.4%		
API Group Corp. (A)	79,557	2,752,672
JB Hunt Transport Services, Inc.	30,797	6,151,393

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Ground transportation (continued)		
Norfolk Southern Corp.	25,355	\$ 5,993,415
		12,144,808
Machinery – 4.4%		
Esab Corp.	59,873	5,186,199
PACCAR, Inc.	25,032	2,444,375
Stanley Black & Decker, Inc.	145,637	14,286,990
The Middleby Corp. (A)	36,516	5,374,060
		27,291,624
Passenger airlines – 0.8%		
Southwest Airlines Company	179,863	5,194,443
Professional services – 1.4%		
SS&C Technologies Holdings, Inc.	89,386	5,462,378
Verra Mobility Corp. (A)	140,788	3,242,348
		8,704,726
Trading companies and distributors – 0.7%		
Ashtead Group PLC	58,814	4,087,993
		104,311,886
Information technology – 11.2%		
Communications equipment – 0.7%		
Arista Networks, Inc. (A)	18,279	4,304,887
Electronic equipment, instruments and components – 3.0%		
Corning, Inc.	305,037	9,288,377
TE Connectivity, Ltd.	34,338	4,824,489
Zebra Technologies Corp., Class A (A)	15,100	4,127,283
		18,240,149
Semiconductors and semiconductor equipment – 3.2%		
Marvell Technology, Inc.	92,111	5,555,214
MKS Instruments, Inc.	138,619	14,259,737
		19,814,951
Software – 0.5%		
DocuSign, Inc. (A)	52,500	3,121,125
Technology hardware, storage and peripherals – 3.8%		
Pure Storage, Inc., Class A (A)	108,958	3,885,442
Western Digital Corp. (A)	377,135	19,750,560
		23,636,002
		69,117,114
Materials – 6.3%		
Chemicals – 1.3%		
FMC Corp.	69,645	4,391,117
The Scotts Miracle-Gro Company	55,014	3,507,143
		7,898,260
Construction materials – 1.9%		
Summit Materials, Inc., Class A (A)	227,820	8,761,957
Vulcan Materials Company	13,558	3,077,802
		11,839,759
Containers and packaging – 1.8%		
Ball Corp.	104,347	6,002,039
Westrock Company	122,312	5,078,394
		11,080,433
Metals and mining – 1.3%		
Franco-Nevada Corp.	33,763	3,739,780
Freeport-McMoRan, Inc.	98,277	4,183,652
		7,923,432
		38,741,884
Real estate – 6.8%		
Industrial REITs – 1.3%		
Rexford Industrial Realty, Inc.	141,578	7,942,526
Office REITs – 0.8%		
Douglas Emmett, Inc.	83,623	1,212,534

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Office REITs (continued)		
Vornado Realty Trust	134,684	\$ 3,804,823
		5,017,357
Residential REITs – 2.0%		
Apartment Investment and Management Company, Class A (A)	446,352	3,494,936
Equity Residential	82,853	5,067,289
Sun Communities, Inc.	28,000	3,742,200
		12,304,425
Retail REITs – 1.1%		
Regency Centers Corp.	79,220	5,307,740
Simon Property Group, Inc.	13,668	1,949,604
		7,257,344
Specialized REITs – 1.6%		
Digital Realty Trust, Inc.	8,422	1,133,433
Rayonier, Inc.	141,712	4,734,598
Weyerhaeuser Company	116,223	4,041,074
		9,909,105
		42,430,757
Utilities – 6.0%		
Electric utilities – 4.4%		
Constellation Energy Corp.	51,314	5,998,093
Evergy, Inc.	90,798	4,739,656
FirstEnergy Corp.	271,201	9,942,229
PG&E Corp.	366,374	6,605,723
		27,285,701
Multi-utilities – 1.6%		
Ameren Corp.	90,494	6,546,336
CenterPoint Energy, Inc.	121,865	3,481,683
		10,028,019
		37,313,720
TOTAL COMMON STOCKS (Cost \$505,367,451)		\$ 599,375,095
SHORT-TERM INVESTMENTS – 3.1%		
Short-term funds – 3.1%		
John Hancock Collateral Trust, 5.3645% (C)(D)	25,463	254,631
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (C)	1,956,059	1,956,059
T. Rowe Price Government Reserve Fund, 5.3873% (C)	16,999,673	16,999,673
TOTAL SHORT-TERM INVESTMENTS (Cost \$19,210,378)		\$ 19,210,363
Total Investments (Mid Value Trust) (Cost \$524,577,829) – 99.8%		\$ 618,585,458
Other assets and liabilities, net – 0.2%		1,011,180
TOTAL NET ASSETS – 100.0%		\$ 619,596,638

Security Abbreviations and Legend

- (A) Non-income producing security.
- (B) All or a portion of this security is on loan as of 12-31-23.
- (C) The rate shown is the annualized seven-day yield as of 12-31-23.
- (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 — December 31, 2023 (showing percentage of total net assets)

Real Estate Securities Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.0%		
Consumer discretionary – 2.8%		
Hotels, restaurants and leisure – 2.0%		
Hyatt Hotels Corp., Class A	23,750	\$ 3,097,238
Marriott International, Inc., Class A	12,361	2,787,529
		5,884,767
Household durables – 0.8%		
Toll Brothers, Inc.	22,275	2,289,647
		8,174,414
Health care – 1.0%		
Health care providers and services – 1.0%		
Brookdale Senior Living, Inc. (A)	478,090	2,782,484
Real estate – 95.2%		
Diversified REITs – 4.1%		
Empire State Realty Trust, Inc., Class A	795,283	7,706,292
Essential Properties Realty Trust, Inc.	167,753	4,287,767
		11,994,059
Health care REITs – 8.1%		
CareTrust REIT, Inc.	254,393	5,693,315
Global Medical REIT, Inc.	77,498	860,228
Ventas, Inc.	28,933	1,442,021
Welltower, Inc.	175,655	15,838,811
		23,834,375
Hotel and resort REITs – 2.0%		
Ryman Hospitality Properties, Inc.	54,870	6,038,992
Industrial REITs – 16.3%		
EastGroup Properties, Inc.	27,860	5,113,424
Plymouth Industrial REIT, Inc.	239,305	5,760,071
Prologis, Inc.	276,742	36,889,710
		47,763,205
Office REITs – 4.2%		
Kilroy Realty Corp.	145,480	5,795,923
SL Green Realty Corp.	143,682	6,490,116
		12,286,039
Real estate management and development – 5.7%		
CBRE Group, Inc., Class A (A)	65,868	6,131,652
Corp. Inmobiliaria Vesta SAB de CV, ADR	151,009	5,982,977
Tricon Residential, Inc.	493,239	4,488,475
		16,603,104
Residential REITs – 14.4%		
American Homes 4 Rent, Class A	258,164	9,283,577
AvalonBay Communities, Inc.	84,436	15,808,108
Essex Property Trust, Inc.	47,264	11,718,636
Veris Residential, Inc.	341,437	5,370,804
		42,181,125
Retail REITs – 12.4%		
Brixmor Property Group, Inc.	484,727	11,279,597
Kite Realty Group Trust	63,337	1,447,884
Phillips Edison & Company, Inc.	141,913	5,176,986
Simon Property Group, Inc.	89,123	12,712,505
Tanger, Inc.	207,653	5,756,141
		36,373,113
Specialized REITs – 28.0%		
American Tower Corp.	27,016	5,832,214
CubeSmart	165,878	7,688,445
Digital Realty Trust, Inc.	47,328	6,369,402
EPR Properties	147,120	7,127,964
Equinix, Inc.	28,713	23,125,163
Extra Space Storage, Inc.	76,587	12,279,194
Iron Mountain, Inc.	108,723	7,608,436
Public Storage	20,054	6,116,470

Real Estate Securities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialized REITs (continued)		
VICI Properties, Inc.	186,469	\$ 5,944,632
		82,091,920
		279,165,932
TOTAL COMMON STOCKS (Cost \$257,391,720)		\$ 290,122,830
SHORT-TERM INVESTMENTS – 0.7%		
Short-term funds – 0.7%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (B)		
	2,053,393	2,053,393
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,053,393)		\$ 2,053,393
Total Investments (Real Estate Securities Trust) (Cost \$259,445,113) – 99.7%		\$ 292,176,223
Other assets and liabilities, net – 0.3%		929,281
TOTAL NET ASSETS – 100.0%		\$ 293,105,504

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 12-31-23.

Science & Technology Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.7%		
Communication services – 13.6%		
Entertainment – 0.7%		
Netflix, Inc. (A)	3,900	\$ 1,898,832
ROBLOX Corp., Class A (A)	99,434	4,546,122
		6,444,954
Interactive media and services – 12.4%		
Alphabet, Inc., Class A (A)	285,989	39,949,803
Alphabet, Inc., Class C (A)	52,374	7,381,068
Meta Platforms, Inc., Class A (A)	138,489	49,019,566
Pinterest, Inc., Class A (A)	282,983	10,481,690
Snap, Inc., Class A (A)	433,210	7,334,245
TripAdvisor, Inc. (A)	43,500	936,555
ZoomInfo Technologies, Inc. (A)	82,600	1,527,274
		116,630,201
Media – 0.5%		
The Trade Desk, Inc., Class A (A)	71,216	5,124,703
		128,199,858
Consumer discretionary – 1.0%		
Automobiles – 0.5%		
Rivian Automotive, Inc., Class A (A)	78,800	1,848,648
Tesla, Inc. (A)	11,832	2,940,015
		4,788,663
Broadline retail – 0.4%		
PDD Holdings, Inc., ADR (A)	27,763	4,062,005
Specialty retail – 0.1%		
Zalando SE (A)(B)	30,685	726,452
		9,577,120
Consumer staples – 0.2%		
Consumer staples distribution and retail – 0.2%		
Maplebear, Inc. (A)(C)	68,881	1,616,637
Financials – 1.8%		
Financial services – 1.8%		
Adyen NV (A)(B)	11,930	15,400,927

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
Block, Inc. (A)	18,500	\$ 1,430,975
		16,831,902
Industrials – 0.8%		
Aerospace and defense – 0.0%		
Axon Enterprise, Inc. (A)	1,900	490,827
Ground transportation – 0.8%		
Uber Technologies, Inc. (A)	114,755	7,065,465
		7,556,292
Information technology – 81.3%		
Communications equipment – 1.0%		
Arista Networks, Inc. (A)	41,220	9,707,722
CommScope Holding Company, Inc. (A)	31,694	89,377
		9,797,099
Electronic equipment, instruments and components – 2.4%		
Celestica, Inc. (New York Stock Exchange) (A)	40,122	1,174,772
Fabrinet (A)	1,900	361,627
Insight Enterprises, Inc. (A)	1,900	336,661
Jabil, Inc.	22,034	2,807,132
Keysight Technologies, Inc. (A)	47,965	7,630,752
Littelfuse, Inc.	5,700	1,525,092
Teledyne Technologies, Inc. (A)	10,800	4,819,932
Zebra Technologies Corp., Class A (A)	13,416	3,666,995
		22,322,963
IT services – 5.0%		
Endava PLC, ADR (A)	64,019	4,983,879
EPAM Systems, Inc. (A)	49,537	14,729,332
GoDaddy, Inc., Class A (A)	84,373	8,957,038
MongoDB, Inc. (A)	7,040	2,878,304
Shopify, Inc., Class A (A)	106,195	8,272,591
Snowflake, Inc., Class A (A)	34,498	6,865,102
		46,686,246
Semiconductors and semiconductor equipment – 39.7%		
Advanced Micro Devices, Inc. (A)	153,543	22,633,774
Analog Devices, Inc.	17,123	3,399,943
ARM Holdings PLC, ADR (A)(C)	29,300	2,201,749
ASM International NV	4,472	2,327,562
ASML Holding NV, NYRS	16,050	12,148,566
Broadcom, Inc.	47,906	53,475,073
Cohu, Inc. (A)	19,792	700,439
Enphase Energy, Inc. (A)	30,174	3,987,192
Entegris, Inc.	91,909	11,012,536
First Solar, Inc. (A)	5,600	964,768
Intel Corp.	442,636	22,242,459
Kulicke & Soffa Industries, Inc.	17,600	963,072
Lam Research Corp.	29,094	22,788,166
Lattice Semiconductor Corp. (A)	122,851	8,475,490
Marvell Technology, Inc.	266,528	16,074,304
MaxLinear, Inc. (A)	121,324	2,883,871
Micron Technology, Inc.	68,361	5,833,928
MKS Instruments, Inc.	36,291	3,733,255
Monolithic Power Systems, Inc.	8,551	5,393,800
NVIDIA Corp.	187,088	92,649,719
ON Semiconductor Corp. (A)	70,625	5,899,306
Onto Innovation, Inc. (A)	41,035	6,274,252
Power Integrations, Inc.	6,744	553,750
Qualcomm, Inc.	133,722	19,340,213
Semtech Corp. (A)	70,700	1,549,037
Silergy Corp.	163,000	2,655,545
Silicon Laboratories, Inc. (A)	10,561	1,396,903
SiTime Corp. (A)	1,600	195,328
Skyworks Solutions, Inc.	17,300	1,944,866
SolarEdge Technologies, Inc. (A)	33,218	3,109,205

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Synaptics, Inc. (A)	51,403	\$ 5,864,054
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	9,200	956,800
Teradyne, Inc.	61,603	6,685,158
Texas Instruments, Inc.	119,552	20,378,834
Wolfspeed, Inc. (A)	58,120	2,528,801
		373,221,718
Software – 27.7%		
Adobe, Inc. (A)	49,429	29,489,341
Altair Engineering, Inc., Class A (A)	6,300	530,145
Atlassian Corp., Class A (A)	12,618	3,001,317
Aurora Innovation, Inc. (A)	111,900	489,003
Autodesk, Inc. (A)	85,839	20,900,080
Braze, Inc., Class A (A)	49,289	2,618,725
c3.ai, Inc., Class A (A)(C)	33,400	958,914
Cadence Design Systems, Inc. (A)	63,575	17,315,923
Confluent, Inc., Class A (A)	144,474	3,380,692
CrowdStrike Holdings, Inc., Class A (A)	26,528	6,773,129
Datadog, Inc., Class A (A)	24,632	2,989,832
Dynatrace, Inc. (A)	60,038	3,283,478
Elastic NV (A)	12,600	1,420,020
Fair Isaac Corp. (A)	4,249	4,945,878
HashiCorp, Inc., Class A (A)	63,029	1,490,006
HubSpot, Inc. (A)	7,854	4,559,561
Intapp, Inc. (A)	1,800	68,436
Intuit, Inc.	21,926	13,704,408
Manhattan Associates, Inc. (A)	2,667	574,258
Marathon Digital Holdings, Inc. (A)(C)	26,800	629,532
Microsoft Corp.	172,040	64,693,922
MicroStrategy, Inc., Class A (A)(C)	1,570	991,643
Monday.com, Ltd. (A)	1,971	370,174
Nutanix, Inc., Class A (A)	160,513	7,654,865
Palo Alto Networks, Inc. (A)	36,409	10,736,286
PTC, Inc. (A)	24,926	4,361,053
RingCentral, Inc., Class A (A)	8,100	274,995
Riot Platforms, Inc. (A)	31,800	491,946
Salesforce, Inc. (A)	55,790	14,680,581
Samsara, Inc., Class A (A)	12,345	412,076
SentinelOne, Inc., Class A (A)	85,597	2,348,782
ServiceNow, Inc. (A)	25,965	18,344,013
Sprout Social, Inc., Class A (A)	4,800	294,912
Synopsys, Inc. (A)	607	312,550
UiPath, Inc., Class A (A)	55,200	1,371,168
Vertex, Inc., Class A (A)	28,204	759,816
Workday, Inc., Class A (A)	20,908	5,771,862
Zscaler, Inc. (A)	31,339	6,943,469
		259,936,791
Technology hardware, storage and peripherals – 5.5%		
Apple, Inc.	241,647	46,524,297
Dell Technologies, Inc., Class C	24,008	1,836,612
IonQ, Inc. (A)(C)	67,700	838,803
Super Micro Computer, Inc. (A)	7,906	2,247,360
		51,447,072
		763,411,889
TOTAL COMMON STOCKS (Cost \$833,141,987)		\$ 927,193,698
SHORT-TERM INVESTMENTS – 4.2%		
Short-term funds – 4.2%		
John Hancock Collateral Trust, 5.3645% (D)(E)	1,056,820	10,568,415

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Short-term funds (continued)		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (D)	613,820	\$ 613,820
T. Rowe Price Government Reserve Fund, 5.3873% (D)	27,830,694	27,830,694
TOTAL SHORT-TERM INVESTMENTS (Cost \$39,013,302)		\$ 39,012,929
Total Investments (Science & Technology Trust) (Cost \$872,155,289) – 102.9%		\$ 966,206,627
Other assets and liabilities, net – (2.9%)		(27,286,231)
TOTAL NET ASSETS – 100.0%		\$ 938,920,396

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 12-31-23.
(D)	The rate shown is the annualized seven-day yield as of 12-31-23.
(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 Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.5%		
Communication services – 2.2%		
Diversified telecommunication services – 0.5%		
Anterix, Inc. (A)	2,644	\$ 88,098
AST SpaceMobile, Inc. (A)(B)	15,523	93,604
ATN International, Inc.	2,410	93,918
Bandwidth, Inc., Class A (A)	4,714	68,212
Cogent Communications Holdings, Inc. Consolidated Communications Holdings, Inc. (A)	8,819	670,773
EchoStar Corp., Class A (A)	17,177	74,720
Globalstar, Inc. (A)	7,390	122,452
IDT Corp., Class B (A)	148,142	287,395
Liberty Latin America, Ltd., Class A (A)	3,344	113,997
Liberty Latin America, Ltd., Class C (A)	10,880	79,533
Lumen Technologies, Inc. (A)	24,811	182,113
Ooma, Inc. (A)	208,953	382,384
Shenandoah Telecommunications Company	5,519	59,219
	10,290	222,470
		2,538,888
Entertainment – 0.3%		
Atlanta Braves Holdings, Inc., Series A (A)	1,757	75,164
Atlanta Braves Holdings, Inc., Series C (A)	9,677	383,016
Cinemark Holdings, Inc. (A)	22,776	320,914
IMAX Corp. (A)	9,454	141,999
Lions Gate Entertainment Corp., Class A (A)	12,251	133,536
Lions Gate Entertainment Corp., Class B (A)	24,301	247,627
Madison Square Garden Entertainment Corp. (A)	8,178	259,979
Playstudios, Inc. (A)	18,499	50,132
Sphere Entertainment Company (A)	5,543	188,240
The Marcus Corp. (B)	5,386	78,528

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Entertainment (continued)		
Vivid Seats, Inc., Class A (A)	5,988	\$ 37,844
		1,916,979
Interactive media and services – 0.7%		
Bumble, Inc., Class A (A)	20,871	307,639
CarGurus, Inc. (A)	20,027	483,852
Cars.com, Inc. (A)	13,869	263,095
DHI Group, Inc. (A)	11,588	30,013
Eventbrite, Inc., Class A (A)	16,198	135,415
EverQuote, Inc., Class A (A)	4,408	53,954
FuboTV, Inc. (A)(B)	61,462	195,449
Grindr, Inc. (A)	8,841	77,624
MediaAlpha, Inc., Class A (A)	5,226	58,270
Nextdoor Holdings, Inc. (A)	32,007	60,493
QuinStreet, Inc. (A)	11,293	144,776
Shutterstock, Inc.	4,976	240,241
TrueCar, Inc. (A)	20,516	70,985
Vimeo, Inc. (A)	32,880	128,890
Yelp, Inc. (A)	13,749	650,878
Ziff Davis, Inc. (A)	9,332	627,017
ZipRecruiter, Inc., Class A (A)	14,202	197,408
		3,725,999
Media – 0.6%		
Advantage Solutions, Inc. (A)(B)	20,432	73,964
AMC Networks, Inc., Class A (A)	6,836	128,448
Boston Omaha Corp., Class A (A)	5,051	79,452
Cardlytics, Inc. (A)	7,090	65,299
Clear Channel Outdoor Holdings, Inc. (A)	80,353	146,242
Daily Journal Corp. (A)	274	93,385
Entravision Communications Corp., Class A	14,173	59,101
Gambling.com Group, Ltd. (A)	3,180	31,005
Gannett Company, Inc. (A)	31,416	72,257
Gray Television, Inc.	17,474	156,567
iHeartMedia, Inc., Class A (A)	23,277	62,150
Integral Ad Science Holding Corp. (A)	9,743	140,202
John Wiley & Sons, Inc., Class A	7,511	238,399
Magnite, Inc. (A)	27,938	260,941
PubMatic, Inc., Class A (A)	9,104	148,486
Scholastic Corp.	5,315	200,376
Sinclair, Inc.	7,132	92,930
Stagwell, Inc. (A)	18,281	121,203
TechTarget, Inc. (A)	5,570	194,170
TEGNA, Inc.	41,092	628,708
The EW Scripps Company, Class A (A)	13,256	105,915
Thryv Holdings, Inc. (A)	6,476	131,787
Townsquare Media, Inc., Class A	2,396	25,302
WideOpenWest, Inc. (A)	11,317	45,834
		3,302,123
Wireless telecommunication services – 0.1%		
Gogo, Inc. (A)	13,912	140,929
Spok Holdings, Inc.	4,025	62,307
Telephone & Data Systems, Inc.	21,057	386,396
Tingo Group, Inc. (A)(B)	23,160	15,980
		605,612
		12,089,601
Consumer discretionary – 10.6%		
Automobile components – 1.3%		
Adient PLC (A)	19,043	692,403
American Axle & Manufacturing Holdings, Inc. (A)	24,206	213,255
Atmus Filtration Technologies, Inc. (A)	3,043	71,480
Cooper-Standard Holdings, Inc. (A)	3,542	69,211
Dana, Inc.	26,762	390,993

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobile components (continued)		
Dorman Products, Inc. (A)	5,449	\$ 454,501
Fox Factory Holding Corp. (A)	8,851	597,265
Gentherm, Inc. (A)	6,929	362,802
Holley, Inc. (A)	12,129	59,068
LCI Industries	5,083	638,984
Luminar Technologies, Inc. (A)(B)	56,833	191,527
Modine Manufacturing Company (A)	10,614	633,656
Patrick Industries, Inc.	4,373	438,831
Solid Power, Inc. (A)(B)	35,372	51,289
Standard Motor Products, Inc.	4,262	169,670
Stoneridge, Inc. (A)	5,924	115,933
The Goodyear Tire & Rubber Company (A)	58,268	834,398
Visteon Corp. (A)	5,620	701,938
XPEL, Inc. (A)	4,715	253,903
		6,941,107
Automobiles – 0.1%		
Fisker, Inc. (A)(B)	41,252	72,191
Livewire Group, Inc. (A)	4,163	47,084
Winnebago Industries, Inc.	6,000	437,280
		556,555
Broadline retail – 0.1%		
Big Lots, Inc.	6,570	51,180
CarParts.com, Inc. (A)	11,028	34,848
ContextLogic, Inc., Class A (A)	5,380	32,011
Dillard's, Inc., Class A (B)	724	292,243
Savers Value Village, Inc. (A)	5,808	100,943
		511,225
Distributors – 0.0%		
Weyco Group, Inc.	1,112	34,872
Diversified consumer services – 1.2%		
Adtalem Global Education, Inc. (A)	8,013	472,366
Carriage Services, Inc.	2,856	71,429
Chegg, Inc. (A)	22,905	260,201
Coursera, Inc. (A)	27,180	526,477
Duolingo, Inc. (A)	5,993	1,359,512
European Wax Center, Inc., Class A (A)	7,294	99,125
frontdoor, Inc. (A)	16,296	573,945
Graham Holdings Company, Class B	685	477,116
Laureate Education, Inc.	27,272	373,899
Lincoln Educational Services Corp. (A)	5,787	58,101
Nerdy, Inc. (A)	13,494	46,284
OneSpaWorld Holdings, Ltd. (A)	17,128	241,505
Perdoceo Education Corp.	12,941	227,244
Rover Group, Inc. (A)	18,395	200,138
Strategic Education, Inc.	4,699	434,047
Stride, Inc. (A)	8,692	516,044
Udemy, Inc. (A)	18,355	270,369
Universal Technical Institute, Inc. (A)	5,926	74,194
WW International, Inc. (A)	11,365	99,444
		6,381,440
Hotels, restaurants and leisure – 2.1%		
Accel Entertainment, Inc. (A)	12,208	125,376
Bally's Corp. (A)	6,359	88,644
Biglari Holdings, Inc., Class B (A)	151	24,904
BJ's Restaurants, Inc. (A)	4,816	173,424
Bloomin' Brands, Inc.	18,049	508,079
Bluegreen Vacations Holding Corp.	2,048	153,846
Bowlero Corp., Class A (A)(B)	3,547	50,226
Brinker International, Inc. (A)	9,044	390,520
Carrols Restaurant Group, Inc.	8,602	67,784
Century Casinos, Inc. (A)	5,989	29,226
Chuy's Holdings, Inc. (A)	3,855	147,377

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Cracker Barrel Old Country Store, Inc.	4,518	\$ 348,247
Dave & Buster's Entertainment, Inc. (A)	7,185	386,912
Denny's Corp. (A)	11,661	126,872
Dine Brands Global, Inc.	3,167	157,242
El Pollo Loco Holdings, Inc. (A)	6,638	58,547
Everi Holdings, Inc. (A)	17,751	200,054
First Watch Restaurant Group, Inc. (A)	4,347	87,375
Full House Resorts, Inc. (A)	8,379	44,995
Global Business Travel Group I (A)	7,168	46,234
Golden Entertainment, Inc.	4,255	169,902
Hilton Grand Vacations, Inc. (A)	16,722	671,890
Inspired Entertainment, Inc. (A)	4,949	48,896
International Game Technology PLC	22,330	612,065
Jack in the Box, Inc.	4,019	328,071
Krispy Kreme, Inc. (B)	18,198	274,608
Kura Sushi USA, Inc., Class A (A)	1,252	95,152
Life Time Group Holdings, Inc. (A)	9,418	142,023
Light & Wonder, Inc. (A)	18,718	1,536,935
Lindblad Expeditions Holdings, Inc. (A)	7,917	89,225
Monarch Casino & Resort, Inc.	2,802	193,758
Mondee Holdings, Inc. (A)(B)	9,804	27,059
Nathan's Famous, Inc.	688	53,671
Noodles & Company (A)	9,188	28,942
Papa John's International, Inc.	6,710	511,503
PlayAGS, Inc. (A)	7,958	67,086
Portillo's, Inc., Class A (A)	8,984	143,115
Potbelly Corp. (A)	6,086	63,416
RCI Hospitality Holdings, Inc.	1,804	119,533
Red Robin Gourmet Burgers, Inc. (A)	3,668	45,740
Red Rock Resorts, Inc., Class A	9,751	520,021
Rush Street Interactive, Inc. (A)	14,062	63,138
Sabre Corp. (A)	69,137	304,203
SeaWorld Entertainment, Inc. (A)	7,242	382,595
Shake Shack, Inc., Class A (A)	7,844	581,397
Six Flags Entertainment Corp. (A)	14,665	367,798
Super Group SGHC, Ltd. (A)	32,198	102,068
Sweetgreen, Inc., Class A (A)	20,416	230,701
Target Hospitality Corp. (A)	6,819	66,349
The Cheesecake Factory, Inc.	9,995	349,925
Xponential Fitness, Inc., Class A (A)	5,298	68,291
		11,474,960
Household durables – 2.3%		
Beazer Homes USA, Inc. (A)	6,081	205,477
Cavco Industries, Inc. (A)	1,815	629,115
Century Communities, Inc.	5,834	531,711
Cricut, Inc., Class A	10,111	66,631
Dream Finders Homes, Inc., Class A (A)	5,157	183,228
Ethan Allen Interiors, Inc.	4,759	151,907
GoPro, Inc., Class A (A)	27,687	96,074
Green Brick Partners, Inc. (A)	5,482	284,735
Hamilton Beach Brands Holding Company, Class B	1,197	20,936
Helen of Troy, Ltd. (A)	4,813	581,459
Hooker Furnishings Corp.	2,614	68,173
Hovnanian Enterprises, Inc., Class A (A)	985	153,286
Installed Building Products, Inc.	4,906	896,915
iRobot Corp. (A)	5,801	224,499
KB Home	14,298	893,053
Landsea Homes Corp. (A)	4,283	56,279
La-Z-Boy, Inc.	9,065	334,680
Legacy Housing Corp. (A)	2,338	58,964
LGI Homes, Inc. (A)	4,300	572,588
M/I Homes, Inc. (A)	5,514	759,498
MDC Holdings, Inc.	12,296	679,354
Meritage Homes Corp.	7,480	1,303,016

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Purple Innovation, Inc. (B)	14,486	\$ 14,921
Skyline Champion Corp. (A)	11,110	825,029
Snap One Holdings Corp. (A)	4,210	37,511
Sonos, Inc. (A)	26,522	454,587
Taylor Morrison Home Corp. (A)	20,683	1,103,438
The Lovesac Company (A)	2,859	73,047
Tri Pointe Homes, Inc. (A)	19,289	682,831
Vizio Holding Corp., Class A (A)	16,473	126,842
Worthington Enterprises, Inc.	6,350	365,443
		12,435,227
Leisure products – 0.4%		
Acushnet Holdings Corp.	6,172	389,885
AMMO, Inc. (A)	21,417	44,976
Clarus Corp.	6,978	48,113
Escalade, Inc.	1,926	38,693
Funko, Inc., Class A (A)	7,811	60,379
JAKKS Pacific, Inc. (A)	1,560	55,458
Johnson Outdoors, Inc., Class A	1,298	69,339
Malibu Boats, Inc., Class A (A)	4,309	236,219
MasterCraft Boat Holdings, Inc. (A)	3,741	84,696
Smith & Wesson Brands, Inc.	9,545	129,430
Sturm Ruger & Company, Inc.	4,097	186,209
Topgolf Callaway Brands Corp. (A)	30,052	430,946
Vista Outdoor, Inc. (A)	11,775	348,187
		2,122,530
Specialty retail – 2.6%		
1-800-Flowers.com, Inc., Class A (A)	5,862	63,192
Abercrombie & Fitch Company, Class A (A)	9,884	871,966
Academy Sports & Outdoors, Inc.	14,736	972,576
American Eagle Outfitters, Inc.	37,939	802,789
America's Car-Mart, Inc. (A)	1,274	96,531
Arko Corp.	17,951	148,096
Asbury Automotive Group, Inc. (A)	4,206	946,224
Beyond, Inc. (A)	9,476	262,390
Big 5 Sporting Goods Corp.	5,234	33,184
Boot Barn Holdings, Inc. (A)	6,166	473,302
Build-A-Bear Workshop, Inc.	2,855	65,636
Caleres, Inc.	6,609	203,095
Camping World Holdings, Inc., Class A	8,402	220,637
Carvana Company (A)	19,824	1,049,483
Chico's FAS, Inc. (A)	25,872	196,110
Designer Brands, Inc., Class A	8,319	73,623
Destination XL Group, Inc. (A)	13,261	58,348
EVgo, Inc. (A)(B)	19,984	71,543
Foot Locker, Inc.	17,009	529,830
Genesco, Inc. (A)	2,196	77,321
Group 1 Automotive, Inc.	2,722	829,502
GrowGeneration Corp. (A)	14,077	35,333
Guess?, Inc.	6,029	139,029
Haverty Furniture Companies, Inc.	3,107	110,299
Hibbett, Inc.	2,657	191,357
Lands' End, Inc. (A)	3,384	32,351
Leslie's, Inc. (A)	37,069	256,147
MarineMax, Inc. (A)	4,407	171,432
Monro, Inc.	6,450	189,243
National Vision Holdings, Inc. (A)	16,124	337,475
OneWater Marine, Inc., Class A (A)	2,495	84,306
PetMed Express, Inc.	4,678	35,366
Revolve Group, Inc. (A)	8,409	139,421
Sally Beauty Holdings, Inc. (A)	22,364	296,994
Shoe Carnival, Inc.	3,929	118,695
Signet Jewelers, Ltd.	9,211	987,972
Sleep Number Corp. (A)	4,618	68,485
Sonic Automotive, Inc., Class A	3,219	180,940

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Sportsman's Warehouse Holdings, Inc. (A)	9,403	\$ 40,057
Stitch Fix, Inc., Class A (A)	19,059	68,041
The Aaron's Company, Inc.	6,790	73,875
The Buckle, Inc.	6,369	302,655
The Cato Corp., Class A	4,321	30,852
The Children's Place, Inc. (A)	2,720	63,158
The ODP Corp. (A)	6,534	367,864
ThredUp, Inc., Class A (A)(B)	16,880	37,980
Tile Shop Holdings, Inc. (A)	5,191	38,206
Tilly's, Inc., Class A (A)	4,966	37,444
Upbound Group, Inc.	11,502	390,723
Urban Outfitters, Inc. (A)	13,266	473,464
Warby Parker, Inc., Class A (A)	17,632	248,611
Winmark Corp.	582	243,014
Zumiez, Inc. (A)	4,000	81,360
		13,917,527
Textiles, apparel and luxury goods – 0.5%		
Figs, Inc., Class A (A)(B)	26,551	184,529
G-III Apparel Group, Ltd. (A)	8,160	277,277
Hanesbrands, Inc. (A)	73,459	327,627
Kontoor Brands, Inc.	11,607	724,509
Movado Group, Inc.	3,462	104,379
Oxford Industries, Inc.	3,134	313,400
Rocky Brands, Inc.	1,334	40,260
Steven Madden, Ltd.	14,830	622,860
Vera Bradley, Inc. (A)	6,419	49,426
Wolverine World Wide, Inc.	16,787	149,236
		2,793,503
		57,168,946
Consumer staples – 3.3%		
Beverages – 0.4%		
Coca-Cola Consolidated, Inc.	987	916,331
MGP Ingredients, Inc.	3,277	322,850
National Beverage Corp. (A)	4,956	246,412
Primo Water Corp.	32,141	483,722
The Duckhorn Portfolio, Inc. (A)	9,042	89,064
The Vita Coco Company, Inc. (A)	5,932	152,156
		2,210,535
Consumer staples distribution and retail – 0.5%		
Ingles Markets, Inc., Class A	2,889	249,523
Natural Grocers by Vitamin Cottage, Inc.	1,579	25,264
PriceSmart, Inc.	5,108	387,084
SpartanNash Company	7,314	167,856
Sprouts Farmers Market, Inc. (A)	20,831	1,002,179
The Andersons, Inc.	6,667	383,619
The Chefs' Warehouse, Inc. (A)	7,353	216,399
United Natural Foods, Inc. (A)	12,334	200,181
Village Super Market, Inc., Class A	1,470	38,558
Weis Markets, Inc.	3,517	224,947
		2,895,610
Food products – 1.0%		
Alico, Inc.	1,244	36,176
B&G Foods, Inc.	14,669	154,025
Benson Hill, Inc. (A)(B)	43,301	7,526
Beyond Meat, Inc. (A)(B)	12,667	112,736
BRC, Inc., Class A (A)(B)	9,268	33,643
Calavo Growers, Inc.	3,750	110,288
Cal-Maine Foods, Inc.	8,329	478,001
Dole PLC	14,858	182,605
Fresh Del Monte Produce, Inc.	6,871	180,364
J&J Snack Foods Corp.	3,081	514,958
John B Sanfilippo & Son, Inc.	1,829	188,460
Lancaster Colony Corp.	3,989	663,730

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
Limoneira Company	4,193	\$ 86,502
Mission Produce, Inc. (A)	10,359	104,522
Seneca Foods Corp., Class A (A)	1,234	64,711
Sovos Brands, Inc. (A)	11,288	248,675
SunOpta, Inc. (A)	19,523	106,791
The Hain Celestial Group, Inc. (A)	19,049	208,587
The Simply Good Foods Company (A)	18,822	745,351
TreeHouse Foods, Inc. (A)	10,598	439,287
Utz Brands, Inc.	15,007	243,714
Vital Farms, Inc. (A)	6,777	106,331
Westrock Coffee Company (A)(B)	6,206	63,363
		5,080,346
Household products – 0.3%		
Central Garden & Pet Company (A)	2,268	113,649
Central Garden & Pet Company, Class A (A)	7,802	343,600
Energizer Holdings, Inc.	14,836	470,004
Oil-Dri Corp. of America	940	63,055
WD-40 Company	2,796	668,440
		1,658,748
Personal care products – 0.9%		
BellRing Brands, Inc. (A)	26,799	1,485,469
e.l.f. Beauty, Inc. (A)	11,013	1,589,616
Edgewell Personal Care Company	10,571	387,216
Herbalife, Ltd. (A)	20,535	313,364
Inter Parfums, Inc.	3,812	548,966
Medifast, Inc.	2,178	146,405
Nature's Sunshine Products, Inc. (A)	2,115	36,568
Nu Skin Enterprises, Inc., Class A	10,376	201,502
The Beauty Health Company (A)	17,398	54,108
USANA Health Sciences, Inc. (A)	2,375	127,300
Waldencast PLC, Class A (A)	7,451	81,514
		4,972,028
Tobacco – 0.2%		
Ispire Technology, Inc. (A)(B)	3,612	43,814
Turning Point Brands, Inc.	3,629	95,515
Universal Corp.	4,827	324,954
Vector Group, Ltd.	29,863	336,855
		801,138
		17,618,405
Energy – 6.6%		
Energy equipment and services – 2.3%		
Archrock, Inc.	28,853	444,336
Atlas Energy Solutions, Inc.	3,454	59,478
Borr Drilling, Ltd. (A)(B)	46,555	342,645
Bristow Group, Inc. (A)	5,038	142,424
Cactus, Inc., Class A	13,435	609,949
ChampionX Corp.	39,553	1,155,343
Core Laboratories, Inc.	9,938	175,505
Diamond Offshore Drilling, Inc. (A)	21,280	276,640
DMC Global, Inc. (A)	4,263	80,230
Dril-Quip, Inc. (A)	7,241	168,498
Expro Group Holdings NV (A)	18,429	293,390
Forum Energy Technologies, Inc. (A)	2,427	53,807
Helix Energy Solutions Group, Inc. (A)	30,082	309,243
Helmerich & Payne, Inc.	19,626	710,854
KLX Energy Services Holdings, Inc. (A)	2,366	26,641
Kodiak Gas Services, Inc.	2,852	57,268
Liberty Energy, Inc.	32,295	585,831
Nabors Industries, Ltd. (A)	1,934	157,872
Newpark Resources, Inc. (A)	14,381	95,490
Noble Corp. PLC	22,969	1,106,187
Oceaneering International, Inc. (A)	21,017	447,242

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
Oil States International, Inc. (A)	13,645	\$ 92,650
Patterson-UTI Energy, Inc.	73,282	791,446
ProFrac Holding Corp., Class A (A)(B)	5,284	44,808
ProPetro Holding Corp. (A)	20,600	172,628
Ranger Energy Services, Inc.	3,985	40,767
RPC, Inc.	18,137	132,037
SEACOR Marine Holdings, Inc. (A)	5,651	71,146
Seadrill, Ltd. (A)	10,464	494,738
Select Water Solutions, Inc.	17,976	136,438
Solaris Oilfield Infrastructure, Inc., Class A	7,093	56,460
TETRA Technologies, Inc. (A)	26,274	118,758
Tidewater, Inc. (A)	9,462	682,305
U.S. Silica Holdings, Inc. (A)	15,891	179,727
Valaris, Ltd. (A)	12,294	843,000
Weatherford International PLC (A)	14,486	1,417,165
		12,572,946
Oil, gas and consumable fuels – 4.3%		
Amplify Energy Corp. (A)	7,693	45,619
Ardmore Shipping Corp.	8,527	120,145
Berry Corp.	17,117	120,333
California Resources Corp.	14,124	772,300
Callon Petroleum Company (A)	12,704	411,610
Centrus Energy Corp., Class A (A)	2,575	140,106
Chord Energy Corp.	8,561	1,423,095
Civitas Resources, Inc.	16,557	1,132,168
Clean Energy Fuels Corp. (A)	36,319	139,102
CNX Resources Corp. (A)	31,866	637,320
Comstock Resources, Inc.	19,345	171,203
CONSOL Energy, Inc.	6,160	619,265
Crescent Energy Company, Class A	16,173	213,645
CVR Energy, Inc.	6,085	184,376
Delek US Holdings, Inc.	12,900	332,820
DHT Holdings, Inc.	27,755	272,277
Dorian LPG, Ltd.	6,915	303,361
Empire Petroleum Corp. (A)	3,180	34,948
Encore Energy Corp. (A)	33,473	131,549
Energy Fuels, Inc. (A)(B)	32,566	234,150
Enviva, Inc. (B)	6,963	6,934
Equitrans Midstream Corp.	90,552	921,819
Evolution Petroleum Corp.	7,579	44,034
Excelerate Energy, Inc., Class A	3,919	60,588
FLEX LNG, Ltd.	5,745	166,950
FutureFuel Corp.	6,483	39,417
Gevo, Inc. (A)	52,594	61,009
Golar LNG, Ltd.	20,827	478,813
Granite Ridge Resources, Inc.	9,312	56,058
Green Plains, Inc. (A)	12,145	306,297
Gulfport Energy Corp. (A)	2,266	301,831
Hallador Energy Company (A)	5,001	44,209
HighPeak Energy, Inc. (B)	3,375	48,060
International Seaways, Inc.	8,341	379,349
Kinetik Holdings, Inc.	3,661	122,277
Kosmos Energy, Ltd. (A)	94,900	636,779
Magnolia Oil & Gas Corp., Class A	36,586	778,916
Matador Resources Company	23,103	1,313,637
Murphy Oil Corp.	30,241	1,290,081
NACCO Industries, Inc., Class A	964	35,186
NextDecade Corp. (A)(B)	17,235	82,211
Nordic American Tankers, Ltd.	41,623	174,817
Northern Oil and Gas, Inc.	17,707	656,398
Overseas Shipholding Group, Inc., Class A	13,263	69,896
Par Pacific Holdings, Inc. (A)	11,409	414,945
PBF Energy, Inc., Class A	22,850	1,004,486
Peabody Energy Corp.	23,395	568,966
Permian Resources Corp.	72,163	981,417

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

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	\$ 153,772
Riley Exploration Permian, Inc.	1,955	53,254
Ring Energy, Inc. (A)(B)	27,915	40,756
SandRidge Energy, Inc.	6,612	90,386
Scorpio Tankers, Inc.	9,795	595,536
SFL Corp., Ltd.	22,968	259,079
SilverBow Resources, Inc. (A)	4,454	129,522
Sitio Royalties Corp., Class A	16,769	394,239
SM Energy Company	24,137	934,585
Talos Energy, Inc. (A)	22,858	325,269
Teekay Corp. (A)	11,662	83,383
Teekay Tankers, Ltd., Class A	4,807	240,206
Tellurian, Inc. (A)(B)	113,448	85,721
Uranium Energy Corp. (A)	76,395	488,928
VAALCO Energy, Inc.	23,421	105,160
Vertex Energy, Inc. (A)(B)	13,679	46,372
Vital Energy, Inc. (A)	4,768	216,896
Vitesse Energy, Inc.	5,343	116,958
W&T Offshore, Inc.	21,245	69,259
World Kinect Corp.	12,430	283,155
		23,197,208
		35,770,154
Financials – 16.5%		
Banks – 9.1%		
1st Source Corp.	3,618	198,809
ACNB Corp.	1,888	84,507
Amalgamated Financial Corp.	3,291	88,660
Amerant Bancorp, Inc.	5,498	135,086
American National Bankshares, Inc.	1,964	95,745
Ameris Bancorp	13,205	700,525
Ames National Corp.	2,564	54,716
Arrow Financial Corp.	2,901	81,054
Associated Banc-Corp.	30,250	647,048
Atlantic Union Bankshares Corp.	15,497	566,260
Axos Financial, Inc. (A)	11,234	613,376
Banc of California, Inc.	26,968	362,180
BancFirst Corp.	4,526	440,516
Bank First Corp. (B)	2,026	175,573
Bank of Hawaii Corp. (B)	7,880	570,985
Bank of Marin Bancorp	3,028	66,677
BankUnited, Inc.	14,975	485,639
Bankwell Financial Group, Inc.	1,156	34,888
Banner Corp.	7,036	376,848
Bar Harbor Bankshares	3,318	97,416
BayCom Corp.	2,460	58,031
BCB Bancorp, Inc.	3,390	43,562
Berkshire Hills Bancorp, Inc.	9,063	225,034
Blue Foundry Bancorp (A)	4,726	45,700
Bridgewater Bancshares, Inc. (A)	5,531	74,779
Brookline Bancorp, Inc.	18,325	199,926
Burke & Herbert Financial Services Corp. (B)	1,310	82,399
Business First Bancshares, Inc.	4,622	113,932
Byline Bancorp, Inc.	5,302	124,915
C&F Financial Corp.	863	58,848
Cadence Bank	36,348	1,075,537
Cambridge Bancorp	1,742	120,895
Camden National Corp.	3,090	116,277
Capital Bancorp, Inc.	2,267	54,861
Capital City Bank Group, Inc.	2,787	82,021
Capitol Federal Financial, Inc.	26,709	172,273
Capstar Financial Holdings, Inc.	3,787	70,968
Carter Bankshares, Inc. (A)	5,610	83,982
Cathay General Bancorp	14,095	628,214
Central Pacific Financial Corp.	5,753	113,219

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Central Valley Community Bancorp	2,643	\$ 59,071
Chemung Financial Corp.	749	37,300
ChoiceOne Financial Services, Inc.	1,451	42,514
Citizens & Northern Corp.	3,688	82,722
Citizens Financial Services, Inc.	700	45,304
City Holding Company	2,937	323,834
Civista Bancshares, Inc.	3,755	69,242
CNB Financial Corp.	3,835	86,633
Coastal Financial Corp. (A)	2,388	106,051
Codorus Valley Bancorp, Inc.	2,033	52,248
Colony Bancorp, Inc.	3,694	49,130
Columbia Financial, Inc. (A)	6,257	120,635
Community Bank System, Inc.	10,837	564,716
Community Trust Bancorp, Inc.	3,352	147,019
ConnectOne Bancorp, Inc.	7,099	162,638
CrossFirst Bankshares, Inc. (A)	10,320	140,146
Customers Bancorp, Inc. (A)	5,992	345,259
CVB Financial Corp.	26,904	543,192
Dime Community Bancshares, Inc.	7,428	200,036
Eagle Bancorp, Inc.	5,910	178,127
Eastern Bankshares, Inc.	32,295	458,589
Enterprise Financial Services Corp.	7,730	345,145
Equity Bancshares, Inc., Class A	2,881	97,666
Esquire Financial Holdings, Inc.	1,198	59,852
ESSA Bancorp, Inc.	2,589	51,832
Evans Bancorp, Inc.	1,434	45,214
Farmers & Merchants Bancorp, Inc.	2,777	68,870
Farmers National Banc Corp.	8,210	118,635
FB Financial Corp.	7,365	293,495
Fidelity D&D Bancorp, Inc.	905	52,517
Financial Institutions, Inc.	3,023	64,390
First Bancorp (North Carolina)	8,173	302,483
First Bancorp (Puerto Rico)	33,839	556,652
First Bank	4,101	60,285
First Busey Corp.	10,579	262,571
First Business Financial Services, Inc.	1,871	75,027
First Commonwealth Financial Corp.	20,422	315,316
First Community Bankshares, Inc.	3,825	141,908
First Financial Bancorp	19,098	453,578
First Financial Bankshares, Inc.	27,001	818,130
First Financial Corp.	2,529	108,823
First Foundation, Inc.	11,497	111,291
First Interstate BancSystem, Inc., Class A	16,988	522,381
First Merchants Corp.	12,188	451,931
First Mid Bancshares, Inc.	4,721	163,630
First Western Financial, Inc. (A)	1,726	34,227
Five Star Bancorp	3,062	80,163
Flushing Financial Corp.	6,359	104,796
FS Bancorp, Inc.	1,626	60,097
Fulton Financial Corp.	32,000	526,720
German American Bancorp, Inc.	5,760	186,682
Glacier Bancorp, Inc.	23,033	951,724
Great Southern Bancorp, Inc.	1,772	105,168
Greene County Bancorp, Inc.	1,693	47,743
Guaranty Bancshares, Inc.	2,208	74,233
Hancock Whitney Corp.	17,685	859,314
Hanmi Financial Corp.	5,525	107,185
HarborOne Bancorp, Inc.	8,116	97,230
HBT Financial, Inc.	2,750	58,053
Heartland Financial USA, Inc.	8,812	331,419
Heritage Commerce Corp.	11,433	113,415
Heritage Financial Corp.	6,478	138,564
Hilltop Holdings, Inc.	9,402	331,044
Home Bancorp, Inc.	1,812	76,122
Home BancShares, Inc.	38,057	963,984

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
HomeStreet, Inc.	4,276	\$ 44,043
HomeTrust Bancshares, Inc.	3,630	97,720
Hope Bancorp, Inc.	23,266	281,053
Horizon Bancorp, Inc.	9,621	137,677
Independent Bank Corp. (Massachusetts)	8,858	582,945
Independent Bank Corp. (Michigan)	3,213	83,602
Independent Bank Group, Inc.	7,607	387,044
International Bancshares Corp.	10,852	589,481
John Marshall Bancorp, Inc.	2,602	58,701
Kearny Financial Corp.	12,815	114,951
Lakeland Bancorp, Inc.	12,705	187,907
Lakeland Financial Corp.	5,176	337,268
LCNB Corp.	3,249	51,237
Live Oak Bancshares, Inc.	7,083	322,277
Luther Burbank Corp. (A)	3,002	32,151
Macatawa Bank Corp.	6,888	77,697
MainStreet Bancshares, Inc.	1,287	31,930
Mercantile Bank Corp.	3,327	134,344
Metrocity Bankshares, Inc.	4,049	97,257
Metropolitan Bank Holding Corp. (A)	2,153	119,233
Mid Penn Bancorp, Inc.	3,284	79,736
Middlefield Banc Corp.	1,576	51,015
Midland States Bancorp, Inc.	4,489	123,717
MidWestOne Financial Group, Inc.	3,503	94,266
MVB Financial Corp.	2,850	64,296
National Bank Holdings Corp., Class A	7,379	274,425
National Bankshares, Inc.	1,629	52,698
NBT Bancorp, Inc.	9,785	410,089
Nicolet Bankshares, Inc.	2,624	211,180
Northeast Bank	1,282	70,754
Northeast Community Bancorp, Inc.	1,984	35,196
Northfield Bancorp, Inc.	7,443	93,633
Northrim Bancorp, Inc.	1,023	58,526
Northwest Bancshares, Inc.	25,301	315,756
Norwood Financial Corp.	1,936	63,714
Oak Valley Bancorp	1,690	50,616
OceanFirst Financial Corp.	12,070	209,535
OFG Bancorp	9,260	347,065
Old National Bancorp	59,425	1,003,688
Old Second Bancorp, Inc.	9,439	145,738
Orange County Bancorp, Inc.	1,028	61,927
Origin Bancorp, Inc.	6,015	213,954
Orrstown Financial Services, Inc.	2,047	60,387
Pacific Premier Bancorp, Inc.	18,995	552,944
Park National Corp.	2,879	382,504
Parke Bancorp, Inc.	2,673	54,128
Pathward Financial, Inc.	5,103	270,102
PCB Bancorp	3,188	58,755
Peapack-Gladstone Financial Corp.	3,176	94,708
Penns Woods Bancorp, Inc.	1,834	41,283
Peoples Bancorp, Inc.	7,290	246,110
Peoples Financial Services Corp.	1,622	78,991
Plumas Bancorp	1,364	56,401
Ponce Financial Group, Inc. (A)	4,116	40,172
Preferred Bank	2,457	179,484
Premier Financial Corp.	6,921	166,796
Primis Financial Corp.	4,121	52,172
Princeton Bancorp, Inc.	933	33,495
Provident Financial Services, Inc.	14,730	265,582
QCR Holdings, Inc.	3,453	201,621
RBB Bancorp	2,717	51,732
Red River Bancshares, Inc.	1,012	56,783
Renasant Corp.	11,284	380,045
Republic Bancorp, Inc., Class A	1,763	97,247
S&T Bancorp, Inc.	8,291	277,085

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Sandy Spring Bancorp, Inc.	9,099	\$ 247,857
Seacoast Banking Corp. of Florida	17,597	500,811
ServisFirst Bancshares, Inc.	10,635	708,610
Shore Bancshares, Inc.	6,443	91,813
Sierra Bancorp	2,794	63,005
Simmons First National Corp., Class A	24,624	488,540
SmartFinancial, Inc.	3,659	89,609
South Plains Financial, Inc.	2,814	81,493
Southern First Bancshares, Inc. (A)	2,105	78,096
Southern Missouri Bancorp, Inc.	1,998	106,673
Southern States Bancshares, Inc.	1,910	55,925
Southside Bancshares, Inc.	5,935	185,884
SouthState Corp.	15,218	1,285,153
Stellar Bancorp, Inc.	10,057	279,987
Stock Yards Bancorp, Inc.	5,702	293,596
Summit Financial Group, Inc.	2,093	64,234
Texas Capital Bancshares, Inc. (A)	9,863	637,446
The Bancorp, Inc. (A)	10,529	405,998
The Bank of NT Butterfield & Son, Ltd.	9,573	306,432
The First Bancorp, Inc.	2,627	74,134
The First Bancshares, Inc.	6,276	184,075
The First of Long Island Corp.	3,906	51,715
The Hingham Institution for Savings	331	64,346
Third Coast Bancshares, Inc. (A)	3,256	64,697
Timberland Bancorp, Inc.	1,397	43,950
Tompkins Financial Corp.	3,171	190,989
Towne Bank	14,408	428,782
TriCo Bancshares	6,399	274,965
Triumph Financial, Inc. (A)	4,661	373,719
Trustmark Corp.	12,621	351,873
UMB Financial Corp.	8,900	743,595
United Bankshares, Inc.	26,749	1,004,425
United Community Banks, Inc.	23,153	677,457
Unity Bancorp, Inc.	1,592	47,107
Univest Financial Corp.	6,184	136,234
USCB Financial Holdings, Inc. (A)	2,644	32,389
Valley National Bancorp	88,664	962,891
Veritex Holdings, Inc.	11,016	256,342
Virginia National Bankshares Corp.	857	29,464
WaFd, Inc.	13,039	429,765
Washington Trust Bancorp, Inc.	3,770	122,073
WesBanco, Inc.	11,864	372,174
West BanCorp, Inc.	8,821	81,005
Westamerica BanCorp	5,209	293,840
WSFS Financial Corp.	12,595	578,488
		49,366,017
Capital markets – 1.4%		
AITi Global, Inc. (A)(B)	4,304	37,703
Artisan Partners Asset Management, Inc., Class A	12,194	538,731
AssetMark Financial Holdings, Inc. (A)	4,726	141,544
B. Riley Financial, Inc.	3,924	82,365
Bakkt Holdings, Inc. (A)	15,717	35,049
BGC Group, Inc., Class A	73,336	529,486
Brightsphere Investment Group, Inc.	6,791	130,116
Cohen & Steers, Inc.	5,416	410,154
Diamond Hill Investment Group, Inc.	522	86,438
Donnelley Financial Solutions, Inc. (A)	5,117	319,147
Ellington Financial, Inc.	15,304	194,514
Forge Global Holdings, Inc. (A)	24,906	85,428
GCM Grosvenor, Inc., Class A (B)	9,818	87,969
Hamilton Lane, Inc., Class A	7,412	840,817
Moelis & Company, Class A	13,720	770,104
Open Lending Corp. (A)	21,109	179,638
P10, Inc., Class A	9,410	96,170

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Patria Investments, Ltd., Class A	11,481	\$ 178,070
Perella Weinberg Partners	8,194	100,213
Piper Sandler Companies	3,566	623,586
PJT Partners, Inc., Class A	4,752	484,086
StepStone Group, Inc., Class A	11,413	363,276
StoneX Group, Inc. (A)	5,565	410,864
Victory Capital Holdings, Inc., Class A	5,136	176,884
Virtus Investment Partners, Inc.	1,408	340,398
WisdomTree, Inc.	28,958	200,679
		7,443,429
Consumer finance – 0.8%		
Atlanticus Holdings Corp. (A)	1,091	42,189
Bread Financial Holdings, Inc.	10,327	340,171
Encore Capital Group, Inc. (A)	4,822	244,717
Enova International, Inc. (A)	5,883	325,683
FirstCash Holdings, Inc.	7,808	846,309
Green Dot Corp., Class A (A)	9,871	97,723
LendingClub Corp. (A)	22,543	197,026
LendingTree, Inc. (A)	2,547	77,225
Navient Corp.	17,398	323,951
Nelnet, Inc., Class A	2,667	235,283
NerdWallet, Inc., Class A (A)	7,553	111,180
PRA Group, Inc. (A)	8,297	217,381
PROG Holdings, Inc. (A)	8,929	275,995
Regional Management Corp.	1,948	48,856
Upstart Holdings, Inc. (A)(B)	14,940	610,448
World Acceptance Corp. (A)	810	105,729
		4,099,866
Financial services – 2.4%		
Acacia Research Corp. (A)(B)	9,910	38,847
Alerus Financial Corp.	4,297	96,210
A-Mark Precious Metals, Inc. (B)	3,997	120,909
AvidXchange Holdings, Inc. (A)	31,150	385,949
Banco Latinoamericano de Comercio Exterior SA, Class E	5,779	142,972
Cannae Holdings, Inc. (A)	14,941	291,499
Cantaloupe, Inc. (A)	12,632	93,603
Cass Information Systems, Inc.	2,841	127,987
Compass Diversified Holdings	13,310	298,810
Enact Holdings, Inc.	6,042	174,553
Essent Group, Ltd.	21,331	1,124,997
EVERTEC, Inc.	13,419	549,374
Federal Agricultural Mortgage Corp., Class C	1,851	353,948
Flywire Corp. (A)	22,064	510,782
i3 Verticals, Inc., Class A (A)	4,882	103,352
International Money Express, Inc. (A)	6,531	144,270
Jackson Financial, Inc., Class A	16,914	865,997
Marqeta, Inc., Class A (A)	99,303	693,135
Merchants Bancorp	3,255	138,598
Mr. Cooper Group, Inc. (A)	13,219	860,821
NewtekOne, Inc. (B)	5,060	69,828
NMI Holdings, Inc., Class A (A)	16,395	486,604
Ocwen Financial Corp. (A)	1,635	50,293
PagSeguro Digital, Ltd., Class A (A)	41,153	513,178
Payoneer Global, Inc. (A)	55,499	289,150
Paysafe, Ltd. (A)	7,154	91,500
PennyMac Financial Services, Inc.	5,216	460,938
Radian Group, Inc.	32,208	919,538
Remitly Global, Inc. (A)	27,564	535,293
Repay Holdings Corp. (A)	17,075	145,821
StoneCo, Ltd., Class A (A)	60,105	1,083,693
TrustCo Bank Corp. NY	3,886	120,660
Velocity Financial, Inc. (A)	1,690	29,102
Walker & Dunlop, Inc.	6,621	734,997

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
Waterstone Financial, Inc.	4,725	\$ 67,095
		12,714,303
Insurance – 1.7%		
Ambac Financial Group, Inc. (A)	9,022	148,683
American Coastal Insurance Corp. (A)	3,982	37,670
American Equity Investment Life Holding Company (A)	16,275	908,145
AMERISAFE, Inc.	3,946	184,594
BRP Group, Inc., Class A (A)	12,458	299,241
CNO Financial Group, Inc.	22,128	617,371
Crawford & Company, Class A	2,736	36,060
Donegal Group, Inc., Class A	5,394	75,462
eHealth, Inc. (A)	5,591	48,754
Employers Holdings, Inc.	5,408	213,075
Enstar Group, Ltd. (A)	2,502	736,464
F&G Annuities & Life, Inc.	3,937	181,102
Fidelis Insurance Holdings, Ltd. (A)	3,367	42,660
Genworth Financial, Inc., Class A (A)	94,621	632,068
Goosehead Insurance, Inc., Class A (A)	4,486	340,039
Greenlight Capital Re, Ltd., Class A (A)	6,535	74,630
HCI Group, Inc.	1,442	126,031
Horace Mann Educators Corp.	8,312	271,802
Investors Title Company	219	35,509
James River Group Holdings, Ltd.	8,071	74,576
Lemonade, Inc. (A)(B)	10,734	173,139
MBIA, Inc. (A)	9,297	56,898
Mercury General Corp.	5,744	214,309
National Western Life Group, Inc., Class A	474	228,951
Oscar Health, Inc., Class A (A)	32,410	296,552
Palomar Holdings, Inc. (A)	5,115	283,883
ProAssurance Corp.	11,658	160,764
Safety Insurance Group, Inc.	2,947	223,943
Selective Insurance Group, Inc.	12,395	1,233,055
SelectQuote, Inc. (A)	30,486	41,766
SiriusPoint, Ltd. (A)	14,056	163,050
Skyward Specialty Insurance Group, Inc. (A)	4,704	159,372
Stewart Information Services Corp.	5,479	321,891
Tiptree, Inc.	5,642	106,972
Trupanion, Inc. (A)(B)	8,434	257,321
United Fire Group, Inc.	4,686	94,282
Universal Insurance Holdings, Inc.	5,596	89,424
		9,189,508
Mortgage real estate investment trusts – 1.1%		
AFC Gamma, Inc.	4,173	50,201
Angel Oak Mortgage REIT, Inc.	2,544	26,966
Apollo Commercial Real Estate Finance, Inc.	28,259	331,761
Arbor Realty Trust, Inc.	38,201	579,891
Ares Commercial Real Estate Corp.	10,459	108,355
ARMOUR Residential REIT, Inc.	10,470	202,280
Blackstone Mortgage Trust, Inc., Class A	34,820	740,621
BrightSpire Capital, Inc.	26,993	200,828
Chicago Atlantic Real Estate Finance, Inc.	3,908	63,231
Chimera Investment Corp.	47,223	235,643
Claros Mortgage Trust, Inc.	18,982	258,725
Dynex Capital, Inc.	10,947	137,056
Franklin BSP Realty Trust, Inc.	16,726	225,968
Granite Point Mortgage Trust, Inc.	11,808	70,140
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	21,455	591,729
Invesco Mortgage Capital, Inc.	8,973	79,501
KKR Real Estate Finance Trust, Inc.	11,811	156,260
Ladder Capital Corp.	22,653	260,736
MFA Financial, Inc.	20,848	234,957

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
New York Mortgage Trust, Inc.	19,143	\$ 163,290
Orchid Island Capital, Inc.	11,594	97,737
PennyMac Mortgage Investment Trust	17,833	266,603
Ready Capital Corp.	32,308	331,157
Redwood Trust, Inc.	23,338	172,935
TPG RE Finance Trust, Inc.	15,243	99,080
Two Harbors Investment Corp.	19,867	276,747
		5,962,398
		88,775,521
Health care – 14.9%		
Biotechnology – 7.3%		
2seventy bio, Inc. (A)(B)	10,848	46,321
4D Molecular Therapeutics, Inc. (A)	7,933	160,723
89bio, Inc. (A)	12,862	143,669
ACADIA Pharmaceuticals, Inc. (A)	25,076	785,130
ACELYRIN, Inc. (A)(B)	6,701	49,989
Achillion Pharmaceuticals, Inc. (A)(C)	38,157	57,979
ADMA Biologics, Inc. (A)	44,639	201,768
Aduro Biotech, Inc. (A)(C)	4,010	9,932
Aerovate Therapeutics, Inc. (A)	2,155	48,768
Agenus, Inc. (A)	74,302	61,515
Agiros Pharmaceuticals, Inc. (A)	11,712	260,826
Akero Therapeutics, Inc. (A)	10,394	242,700
Albireo Pharma, Inc. (A)(C)	3,774	8,114
Aldeyra Therapeutics, Inc. (A)	10,000	35,100
Alector, Inc. (A)	13,917	111,058
Alkermes PLC (A)	34,348	952,814
Allakos, Inc. (A)	14,792	40,382
Allogene Therapeutics, Inc. (A)(B)	18,056	57,960
Allovir, Inc. (A)(B)	13,299	9,041
Alpine Immune Sciences, Inc. (A)	7,148	136,241
Altimmune, Inc. (A)(B)	11,069	124,526
ALX Oncology Holdings, Inc. (A)	5,735	85,394
Amicus Therapeutics, Inc. (A)	58,079	824,141
AnaptysBio, Inc. (A)	4,055	86,858
Anavex Life Sciences Corp. (A)(B)	14,971	139,380
Anika Therapeutics, Inc. (A)	3,300	74,778
Annexon, Inc. (A)	10,670	48,442
Apogee Therapeutics, Inc. (A)	4,570	127,686
Arbutus Biopharma Corp. (A)(B)	28,399	70,998
Arcellx, Inc. (A)	7,851	435,731
Arcturus Therapeutics Holdings, Inc. (A)	4,862	153,299
Arcus Biosciences, Inc. (A)	11,062	211,284
Arcutis Biotherapeutics, Inc. (A)(B)	19,007	61,393
Ardelyx, Inc. (A)	48,192	298,790
Arrowhead Pharmaceuticals, Inc. (A)	21,212	649,087
Astria Therapeutics, Inc. (A)	9,096	69,857
Atara Biotherapeutics, Inc. (A)	23,063	11,827
Aura Biosciences, Inc. (A)	6,210	55,021
Aurinia Pharmaceuticals, Inc. (A)(B)	28,501	256,224
Avid Bioservices, Inc. (A)	13,142	85,423
Avidity Biosciences, Inc. (A)	14,848	134,374
Avita Medical, Inc. (A)	5,480	75,186
Beam Therapeutics, Inc. (A)(B)	15,194	413,581
BioCryst Pharmaceuticals, Inc. (A)	39,638	237,432
Biohaven, Ltd. (A)	14,064	601,939
Biomea Fusion, Inc. (A)(B)	4,134	60,026
Bluebird Bio, Inc. (A)	23,449	32,360
Blueprint Medicines Corp. (A)	12,616	1,163,700
Bridgebio Pharma, Inc. (A)	23,826	961,856
Cabaletta Bio, Inc. (A)	7,006	159,036
CareDx, Inc. (A)	11,372	136,464
Caribou Biosciences, Inc. (A)	18,069	103,535
Carisma Therapeutics, Inc. (B)	6,163	18,058
Catalyst Pharmaceuticals, Inc. (A)	20,298	341,209

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Celcuity, Inc. (A)	3,995	\$ 58,207
Celldex Therapeutics, Inc. (A)	9,675	383,711
Cerevel Therapeutics Holdings, Inc. (A)	14,508	615,139
Chinook Therapeutics, Inc. (A)(C)	12,035	4,694
Cogent Biosciences, Inc. (A)	16,248	95,538
Coherus Biosciences, Inc. (A)(B)	19,758	65,794
Compass Therapeutics, Inc. (A)	20,318	31,696
Crinetics Pharmaceuticals, Inc. (A)	13,654	485,809
Cullinan Oncology, Inc. (A)	5,626	57,329
Cytokinetics, Inc. (A)	19,297	1,611,107
Day One Biopharmaceuticals, Inc. (A)	12,647	184,646
Deciphera Pharmaceuticals, Inc. (A)	11,064	178,462
Denali Therapeutics, Inc. (A)	24,519	526,178
Disc Medicine, Inc. (A)	1,806	104,315
Dynavax Technologies Corp. (A)	26,915	376,272
Dyne Therapeutics, Inc. (A)	9,127	121,389
Eagle Pharmaceuticals, Inc. (A)	2,442	12,772
Editas Medicine, Inc. (A)	17,518	177,457
Enanta Pharmaceuticals, Inc. (A)	4,449	41,865
Entrada Therapeutics, Inc. (A)	4,747	71,632
Erasca, Inc. (A)	19,311	41,132
Fate Therapeutics, Inc. (A)	18,554	69,392
Fennec Pharmaceuticals, Inc. (A)	4,711	52,857
Foghorn Therapeutics, Inc. (A)	4,953	31,947
Genelux Corp. (A)	3,799	53,224
Generation Bio Company (A)	10,224	16,870
Geron Corp. (A)	103,630	218,659
Gritstone bio, Inc. (A)	19,793	40,378
Halozyme Therapeutics, Inc. (A)	26,644	984,762
Heron Therapeutics, Inc. (A)	23,144	39,345
HilleVax, Inc. (A)	6,076	97,520
Humacyte, Inc. (A)(B)	15,084	42,839
Icosavax, Inc. (A)	6,029	95,017
Ideaya Biosciences, Inc. (A)	12,428	442,188
Immuneering Corp., Class A (A)(B)	4,640	34,104
ImmunityBio, Inc. (A)(B)	28,520	143,170
ImmunoGen, Inc. (A)	49,092	1,455,578
Immunovant, Inc. (A)	11,295	475,858
Inhibrx, Inc. (A)	7,250	275,500
Inozyme Pharma, Inc. (A)	12,816	54,596
Insmed, Inc. (A)	28,744	890,777
Intellia Therapeutics, Inc. (A)	18,326	558,760
Iovance Biotherapeutics, Inc. (A)	46,623	379,045
Ironwood Pharmaceuticals, Inc. (A)	28,595	327,127
iTeos Therapeutics, Inc. (A)	5,452	59,699
Janux Therapeutics, Inc. (A)(B)	3,989	42,802
KalVista Pharmaceuticals, Inc. (A)(B)	7,571	92,745
Keros Therapeutics, Inc. (A)	4,721	187,707
Kezar Life Sciences, Inc. (A)	17,702	16,771
Kiniksa Pharmaceuticals, Ltd., Class A (A)	6,876	120,605
Krystal Biotech, Inc. (A)	4,482	556,037
Kura Oncology, Inc. (A)	15,602	224,357
Kymera Therapeutics, Inc. (A)	7,969	202,891
Lineage Cell Therapeutics, Inc. (A)	32,559	35,489
Lyell Immunopharma, Inc. (A)(B)	36,975	71,732
MacroGenics, Inc. (A)	11,795	113,468
Madrigal Pharmaceuticals, Inc. (A)	3,064	708,948
MannKind Corp. (A)	54,004	196,575
MeiraGTx Holdings PLC (A)	7,764	54,503
Merrimack Pharmaceuticals, Inc. (A)	2,411	32,332
Mersana Therapeutics, Inc. (A)	22,020	51,086
MiMedx Group, Inc. (A)	24,011	210,576
Mineralys Therapeutics, Inc. (A)(B)	6,554	56,364
Mirum Pharmaceuticals, Inc. (A)	4,937	145,740
Monte Rosa Therapeutics, Inc. (A)	7,194	40,646

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Morphic Holding, Inc. (A)	7,887	\$ 227,777
Mural Oncology PLC (A)	3,434	20,329
Myriad Genetics, Inc. (A)(B)	16,784	321,246
Novavax, Inc. (A)(B)	18,509	88,843
Nurix Therapeutics, Inc. (A)	10,348	106,791
Nuvalent, Inc., Class A (A)	5,438	400,182
Nuvectis Pharma, Inc. (A)(B)	1,476	12,310
Olema Pharmaceuticals, Inc. (A)	6,219	87,253
Omega Therapeutics, Inc. (A)(B)	5,661	17,040
Organogenesis Holdings, Inc. (A)	16,693	68,274
ORIC Pharmaceuticals, Inc. (A)	8,746	80,463
Ovid therapeutics, Inc. (A)	13,880	44,694
PDL BioPharma, Inc. (A)(C)	28,581	23,151
PDS Biotechnology Corp. (A)	6,461	32,111
Poseida Therapeutics, Inc. (A)	16,114	54,143
Prime Medicine, Inc. (A)(B)	8,376	74,211
Protagonist Therapeutics, Inc. (A)	11,536	264,520
Prothena Corp. PLC (A)	8,591	312,197
PTC Therapeutics, Inc. (A)	14,679	404,553
Radius Health, Inc. (A)(C)	9,985	799
RAPT Therapeutics, Inc. (A)	6,236	154,965
RayzeBio, Inc. (A)	4,396	273,299
Recursion Pharmaceuticals, Inc., Class A (A)(B)	28,673	282,716
REGENXBIO, Inc. (A)	8,729	156,686
Relay Therapeutics, Inc. (A)	18,995	209,135
Replimune Group, Inc. (A)	12,014	101,278
REVOLUTION Medicines, Inc. (A)	29,833	855,610
Rhythm Pharmaceuticals, Inc. (A)	10,752	494,269
Rigel Pharmaceuticals, Inc. (A)	38,466	55,776
Rocket Pharmaceuticals, Inc. (A)	13,020	390,209
Sage Therapeutics, Inc. (A)	10,992	238,197
Sana Biotechnology, Inc. (A)(B)	20,207	82,445
Sangamo Therapeutics, Inc. (A)	35,760	19,428
Savara, Inc. (A)	17,905	84,154
Scholar Rock Holding Corp. (A)(B)	11,549	217,121
SpringWorks Therapeutics, Inc. (A)	14,023	511,840
Stoke Therapeutics, Inc. (A)(B)	6,129	32,239
Summit Therapeutics, Inc. (A)	24,921	65,044
Sutro Biopharma, Inc. (A)	13,918	59,708
Syndax Pharmaceuticals, Inc. (A)	13,814	298,521
Synergy Pharmaceuticals, Inc. (A)(C)	80,513	233
Tango Therapeutics, Inc. (A)	9,130	90,387
TG Therapeutics, Inc. (A)(B)	28,436	485,687
Traverse Therapeutics, Inc. (A)	15,271	137,286
Twist Bioscience Corp. (A)	11,960	440,846
Tyra Biosciences, Inc. (A)	3,238	44,846
UroGen Pharma, Ltd. (A)(B)	5,823	87,345
Vanda Pharmaceuticals, Inc. (A)	12,383	52,256
Vaxcyte, Inc. (A)	19,380	1,217,064
Vera Therapeutics, Inc. (A)	7,295	112,197
VeracYTE, Inc. (A)	15,175	417,464
Vericel Corp. (A)	9,950	354,320
Verve Therapeutics, Inc. (A)	10,749	149,841
Vigil Neuroscience, Inc. (A)	3,406	11,512
Viking Therapeutics, Inc. (A)	19,907	370,469
Vir Biotechnology, Inc. (A)	17,358	174,621
Viridian Therapeutics, Inc. (A)	8,819	192,078
Voyager Therapeutics, Inc. (A)	6,848	57,797
Xencor, Inc. (A)	12,149	257,923
Y-mAbs Therapeutics, Inc. (A)	8,226	56,101
Zentalis Pharmaceuticals, Inc. (A)	11,656	176,588

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Zymeworks, Inc. (A)	11,532	\$ 119,817
39,204,860		
Health care equipment and supplies – 2.7%		
Accuray, Inc. (A)	20,909	59,172
Alphatec Holdings, Inc. (A)	18,816	284,310
AngioDynamics, Inc. (A)	8,324	65,260
Artivion, Inc. (A)	8,508	152,123
AtriCure, Inc. (A)	9,672	345,194
Atrion Corp.	287	108,713
Avanos Medical, Inc. (A)	9,573	214,722
Axogen, Inc. (A)	9,326	63,697
Axonics, Inc. (A)	10,194	634,373
Butterfly Network, Inc. (A)(B)	31,271	33,773
Cerus Corp. (A)	39,654	85,653
ClearPoint Neuro, Inc. (A)(B)	5,627	38,207
CONMED Corp.	6,280	687,723
Cutera, Inc. (A)(B)	3,789	13,356
CVRx, Inc. (A)	1,964	61,748
Embecta Corp.	11,828	223,904
Glaukos Corp. (A)	9,706	771,530
Haemonetics Corp. (A)	10,319	882,378
Inari Medical, Inc. (A)	11,070	718,664
Inmode, Ltd. (A)	15,714	349,479
Inogen, Inc. (A)	5,434	29,833
Integer Holdings Corp. (A)	6,839	677,608
iRadimed Corp.	1,590	75,477
iRhythm Technologies, Inc. (A)	6,361	680,881
Lantheus Holdings, Inc. (A)	14,062	871,844
LeMaitre Vascular, Inc.	4,085	231,865
LivaNova PLC (A)	11,251	582,127
Merit Medical Systems, Inc. (A)	11,727	890,783
Nano-X Imaging, Ltd. (A)(B)	9,578	61,012
Neogen Corp. (A)	45,207	909,113
Nevro Corp. (A)	7,422	159,721
Omniceil, Inc. (A)	9,328	351,013
OraSure Technologies, Inc. (A)	15,607	127,977
Orchestra BioMed Holdings, Inc. (A)	3,034	27,700
Orthofix Medical, Inc. (A)	7,524	101,424
OrthoPediatrics Corp. (A)	3,341	108,616
Outset Medical, Inc. (A)	10,364	56,069
Paragon 28, Inc. (A)	9,182	114,132
PROCEPT BioRobotics Corp. (A)	8,341	349,571
Pulmonx Corp. (A)	7,865	100,279
Pulse Biosciences, Inc. (A)	3,344	40,931
RxSight, Inc. (A)	5,729	230,993
Sanara Medtech, Inc. (A)	930	38,223
Semler Scientific, Inc. (A)	865	38,311
SI-BONE, Inc. (A)	8,275	173,692
Silk Road Medical, Inc. (A)	8,048	98,749
STAAR Surgical Company (A)	9,965	311,008
Surmodics, Inc. (A)	3,110	113,049
Tactile Systems Technology, Inc. (A)	4,939	70,628
TransMedics Group, Inc. (A)	6,579	519,280
Treace Medical Concepts, Inc. (A)	9,386	119,672
UFP Technologies, Inc. (A)	1,462	251,522
Utah Medical Products, Inc.	740	62,323
Varex Imaging Corp. (A)	8,171	167,506
Zimvie, Inc. (A)	5,737	101,832
14,638,743		
Health care providers and services – 2.4%		
23andMe Holding Company, Class A (A)	57,787	52,788
Accolade, Inc. (A)	13,967	167,744
AdaptHealth Corp. (A)	21,373	155,809
Addus HomeCare Corp. (A)	3,228	299,720
Agility, Inc. (A)	6,277	49,714

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Alignment Healthcare, Inc. (A)	18,588	\$ 160,043
AMN Healthcare Services, Inc. (A)	7,913	592,525
Apollo Medical Holdings, Inc. (A)	8,947	342,670
Aveanna Healthcare Holdings, Inc. (A)	10,376	27,808
Brookdale Senior Living, Inc. (A)	37,596	218,809
CareMax, Inc. (A)	17,557	8,747
Castle Biosciences, Inc. (A)	5,554	119,855
Community Health Systems, Inc. (A)	26,765	83,774
CorVel Corp. (A)	1,797	444,236
Cross Country Healthcare, Inc. (A)	7,115	161,084
DocGo, Inc. (A)	16,361	91,458
Enhabit, Inc. (A)	10,661	110,341
Fulgent Genetics, Inc. (A)	4,290	124,024
Guardant Health, Inc. (A)	23,053	623,584
HealthEquity, Inc. (A)	17,411	1,154,349
Hims & Hers Health, Inc. (A)	25,751	229,184
InfuSystem Holdings, Inc. (A)	4,446	46,861
Invitae Corp. (A)(B)	57,713	36,175
LifeStance Health Group, Inc. (A)(B)	22,222	173,998
ModivCare, Inc. (A)	2,728	120,005
National HealthCare Corp.	2,483	229,479
National Research Corp.	3,022	119,550
NeoGenomics, Inc. (A)	26,463	428,171
OPKO Health, Inc. (A)	86,860	131,159
Option Care Health, Inc. (A)	34,159	1,150,817
Owens & Minor, Inc. (A)	15,589	300,400
P3 Health Partners, Inc. (A)	9,337	13,165
Patterson Companies, Inc.	17,360	493,892
Pediatrix Medical Group, Inc. (A)	17,463	162,406
PetIQ, Inc. (A)	5,960	117,710
Privia Health Group, Inc. (A)	23,098	531,947
Progyny, Inc. (A)	16,300	606,034
Quipt Home Medical Corp. (A)	9,436	48,029
RadNet, Inc. (A)	12,126	421,621
Select Medical Holdings Corp.	21,379	502,407
Surgery Partners, Inc. (A)	15,350	491,047
The Ensign Group, Inc.	11,007	1,235,095
The Joint Corp. (A)	3,588	34,481
The Pennant Group, Inc. (A)	6,435	89,575
US Physical Therapy, Inc.	3,042	283,332
Viemed Healthcare, Inc. (A)	7,642	59,990
		13,045,612
Health care technology – 0.5%		
American Well Corp., Class A (A)	52,950	78,896
Computer Programs and Systems, Inc. (A)	3,141	35,179
Definitive Healthcare Corp. (A)	9,782	97,233
Evolent Health, Inc., Class A (A)	22,797	752,985
Health Catalyst, Inc. (A)	11,974	110,879
HealthStream, Inc.	5,066	136,934
MultiPlan Corp. (A)	79,993	115,190
OptimizeRx Corp. (A)	3,973	56,854
Phreesia, Inc. (A)	10,623	245,922
Schrodinger, Inc. (A)	11,361	406,724
Sharecare, Inc. (A)	66,380	71,690
Simulations Plus, Inc.	3,347	149,778
Veradigm, Inc. (A)	22,427	235,259
		2,493,523
Life sciences tools and services – 0.3%		
Adaptive Biotechnologies Corp. (A)	24,284	118,992
Akoya Biosciences, Inc. (A)	6,182	30,168
BioLife Solutions, Inc. (A)	7,377	119,876
Codexis, Inc. (A)	16,822	51,307
CryoPort, Inc. (A)	9,189	142,338
Cytek Biosciences, Inc. (A)	25,464	232,232
Harvard Bioscience, Inc. (A)	8,949	47,877

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
MaxCyte, Inc. (A)	19,370	\$ 91,039
Mesa Laboratories, Inc.	1,096	114,828
NanoString Technologies, Inc. (A)(B)	11,487	8,597
OmniAb, Inc. (A)	20,475	126,331
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)	52,240	512,474
Quanterix Corp. (A)	7,457	203,874
Quantum-Si, Inc. (A)(B)	24,143	48,527
SomaLogic, Inc. (A)	34,769	87,966
		1,936,426
Pharmaceuticals – 1.7%		
Aclaris Therapeutics, Inc. (A)	14,788	15,527
Amneal Pharmaceuticals, Inc. (A)	26,698	162,057
Amphastar Pharmaceuticals, Inc. (A)	7,906	488,986
Amylyx Pharmaceuticals, Inc. (A)	10,635	156,547
ANI Pharmaceuticals, Inc. (A)	3,144	173,360
Arvinas, Inc. (A)	10,367	426,706
Assertio Holdings, Inc. (A)(B)	16,090	17,216
Atea Pharmaceuticals, Inc. (A)	17,550	53,528
Axsome Therapeutics, Inc. (A)(B)	7,413	590,001
Cara Therapeutics, Inc. (A)	11,861	8,813
Cassava Sciences, Inc. (A)(B)	8,295	186,720
CinCor Pharma, Inc. (A)(C)	5,189	15,878
Collegium Pharmaceutical, Inc. (A)	7,284	224,202
Corcept Therapeutics, Inc. (A)	16,688	542,026
CorMedix, Inc. (A)(B)	10,474	39,382
CymaBay Therapeutics, Inc. (A)	23,134	546,425
Edgewise Therapeutics, Inc. (A)	9,416	103,011
Enliven Therapeutics, Inc. (A)(B)	5,028	69,588
Evolus, Inc. (A)	9,227	97,160
EyePoint Pharmaceuticals, Inc. (A)(B)	5,965	137,851
Harmony Biosciences Holdings, Inc. (A)	6,902	222,935
Harrow, Inc. (A)(B)	5,839	65,397
Innoviva, Inc. (A)	12,829	205,777
Intra-Cellular Therapies, Inc. (A)	19,098	1,367,799
Ligand Pharmaceuticals, Inc. (A)	3,472	247,970
Liquidia Corp. (A)	10,444	125,641
Marinus Pharmaceuticals, Inc. (A)	10,781	117,189
Neumora Therapeutics, Inc. (A)	3,629	61,874
Nuvation Bio, Inc. (A)	36,610	55,281
Ocular Therapeutix, Inc. (A)	17,063	76,101
Omeros Corp. (A)(B)	13,375	43,736
Pacira BioSciences, Inc. (A)	9,479	319,821
Phathom Pharmaceuticals, Inc. (A)(B)	6,338	57,866
Phibro Animal Health Corp., Class A	4,931	57,101
Pliant Therapeutics, Inc. (A)	11,791	213,535
Prestige Consumer Healthcare, Inc. (A)	10,230	626,281
Revanche Therapeutics, Inc. (A)	17,297	152,041
Scilex Holding Company (A)	11,186	22,819
scPharmaceuticals, Inc. (A)(B)	6,543	41,025
SIGA Technologies, Inc.	10,137	56,767
Supernus Pharmaceuticals, Inc. (A)	10,296	297,966
Taro Pharmaceutical Industries, Ltd. (A)	1,759	73,491
Tarsus Pharmaceuticals, Inc. (A)	6,250	126,563
Terns Pharmaceuticals, Inc. (A)(B)	9,106	59,098
Theravance Biopharma, Inc. (A)(B)	11,397	128,102
Third Harmonic Bio, Inc. (A)	4,479	49,135
WaVe Life Sciences, Ltd. (A)	13,563	68,493
Xeris Biopharma Holdings, Inc. (A)	29,385	69,055
Zevra Therapeutics, Inc. (A)	8,704	57,011
		9,120,854
		80,440,018

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrials – 16.4%		
Aerospace and defense – 0.8%		
AAR Corp. (A)	6,576	\$ 410,342
AeroVironment, Inc. (A)	5,347	673,936
AerSale Corp. (A)	5,421	68,820
Archer Aviation, Inc., Class A (A)	32,112	197,168
Astronics Corp. (A)	5,579	97,186
Cadre Holdings, Inc.	4,130	135,836
Ducommun, Inc. (A)	2,740	142,644
Kaman Corp.	5,948	142,455
Kratos Defense & Security Solutions, Inc. (A)	26,173	531,050
Leonardo DRS, Inc. (A)	13,992	280,400
Moog, Inc., Class A	5,803	840,158
National Presto Industries, Inc.	1,060	85,097
Park Aerospace Corp.	4,551	66,900
Rocket Lab USA, Inc. (A)	58,371	322,792
Triumph Group, Inc. (A)	13,459	223,150
V2X, Inc. (A)	2,423	112,524
Virgin Galactic Holdings, Inc. (A)	69,705	170,777
		4,501,235
Air freight and logistics – 0.2%		
Air Transport Services Group, Inc. (A)	11,800	207,798
Forward Air Corp.	5,390	338,869
Hub Group, Inc., Class A (A)	6,367	585,382
Radiant Logistics, Inc. (A)	8,887	59,010
		1,191,059
Building products – 2.0%		
AAON, Inc.	14,014	1,035,214
American Woodmark Corp. (A)	3,388	314,576
Apogee Enterprises, Inc.	4,631	247,342
AZZ, Inc.	5,131	298,060
CSW Industrials, Inc.	3,176	658,734
Gibraltar Industries, Inc. (A)	6,026	475,933
Griffon Corp.	8,239	502,167
Insteel Industries, Inc.	3,991	152,815
Janus International Group, Inc. (A)	17,829	232,668
JELD-WEN Holding, Inc. (A)	17,885	337,669
Masonite International Corp. (A)	4,592	388,759
Masterbrand, Inc. (A)	27,061	401,856
PGT Innovations, Inc. (A)	11,417	464,672
Quanex Building Products Corp.	6,999	213,959
Resideo Technologies, Inc. (A)	30,362	571,413
Simpson Manufacturing Company, Inc.	8,849	1,751,925
UFP Industries, Inc.	12,295	1,543,637
Zurn Elkay Water Solutions Corp.	30,525	897,740
		10,489,139
Commercial services and supplies – 1.5%		
ABM Industries, Inc.	13,580	608,791
ACCO Brands Corp.	19,840	120,627
ACV Auctions, Inc., Class A (A)	26,480	401,172
Aris Water Solutions, Inc., Class A	6,955	58,352
BrightView Holdings, Inc. (A)	9,396	79,114
Casella Waste Systems, Inc., Class A (A)	11,726	1,002,104
CECO Environmental Corp. (A)	6,628	134,416
Cimpres PLC (A)	3,744	299,707
CoreCivic, Inc. (A)	23,565	342,399
Deluxe Corp.	9,002	193,093
Ennis, Inc.	5,413	118,599
Enviri Corp. (A)	17,248	155,232
Healthcare Services Group, Inc. (A)	15,795	163,794
HNI Corp.	9,675	404,705
Interface, Inc.	10,757	135,753
Li-Cycle Holdings Corp. (A)	29,577	17,297
Liquidity Services, Inc. (A)	5,311	91,402

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
Matthews International Corp., Class A	6,186	\$ 226,717
MillerKnoll, Inc.	15,003	400,280
Montrose Environmental Group, Inc. (A)	5,899	189,535
OPENLANE, Inc. (A)	22,424	332,099
Performant Financial Corp. (A)	15,655	48,922
Pitney Bowes, Inc.	37,095	163,218
Quad/Graphics, Inc. (A)	5,928	32,130
SP Plus Corp. (A)	4,120	211,150
Steelcase, Inc., Class A	19,007	256,975
The Brink's Company	9,274	815,648
The GEO Group, Inc. (A)	23,993	259,844
UniFirst Corp.	3,067	560,985
Viad Corp. (A)	4,456	161,307
VSE Corp.	2,652	171,346
		8,156,713
Construction and engineering – 1.6%		
Ameresco, Inc., Class A (A)	6,692	211,936
API Group Corp. (A)	41,770	1,445,242
Arcosa, Inc.	9,987	825,326
Argan, Inc.	2,694	126,052
Bowman Consulting Group, Ltd. (A)	2,311	82,087
Comfort Systems USA, Inc.	7,303	1,502,008
Concrete Pumping Holdings, Inc. (A)	6,125	50,225
Construction Partners, Inc., Class A (A)	8,479	369,006
Dycom Industries, Inc. (A)	5,900	679,031
Fluor Corp. (A)	28,963	1,134,481
Granite Construction, Inc.	9,047	460,130
Great Lakes Dredge & Dock Corp. (A)	14,555	111,782
IES Holdings, Inc. (A)	1,802	142,754
Limbach Holdings, Inc. (A)	2,060	93,668
MYR Group, Inc. (A)	3,413	493,622
Northwest Pipe Company (A)	2,307	69,810
Primoris Services Corp.	10,981	364,679
Sterling Infrastructure, Inc. (A)	6,217	546,661
Tutor Perini Corp. (A)	9,966	90,691
		8,799,191
Electrical equipment – 1.3%		
Allient, Inc.	3,112	94,014
Array Technologies, Inc. (A)	31,322	526,210
Atkore, Inc. (A)	7,691	1,230,560
Blink Charging Company (A)(B)	10,486	35,548
Bloom Energy Corp., Class A (A)(B)	39,930	590,964
Encore Wire Corp.	3,028	646,781
Energy Vault Holdings, Inc. (A)	21,237	49,482
EnerSys	8,500	858,160
Enovix Corp. (A)(B)	28,505	356,883
Eos Energy Enterprises, Inc. (A)(B)	23,232	25,323
Fluence Energy, Inc. (A)	12,017	286,605
FTC Solar, Inc. (A)(B)	14,832	10,276
FuelCell Energy, Inc. (A)	101,093	161,749
GrafTech International, Ltd.	40,843	89,446
LSI Industries, Inc.	5,709	80,383
NEXTracker, Inc., Class A (A)	10,125	474,356
NuScale Power Corp. (A)(B)	11,863	39,029
Powell Industries, Inc.	1,943	171,761
Preformed Line Products Company	547	73,221
SES AI Corp. (A)	29,307	53,632
Shoals Technologies Group, Inc., Class A (A)	35,375	549,728
Stem, Inc. (A)(B)	30,154	116,998
SunPower Corp. (A)(B)	18,297	88,375
Thermon Group Holdings, Inc. (A)	7,202	234,569
TPI Composites, Inc. (A)(B)	9,324	38,601

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Vicor Corp. (A)	4,681	\$ 210,364
		7,093,018
Ground transportation – 0.5%		
ArcBest Corp.	4,933	592,996
Covenant Logistics Group, Inc.	1,760	81,030
Daseke, Inc. (A)	9,248	74,909
FTAI Infrastructure, Inc.	23,466	91,283
Heartland Express, Inc.	9,685	138,108
Marten Transport, Ltd.	11,807	247,711
PAM Transportation Services, Inc. (A)	1,521	31,606
RXO, Inc. (A)	24,083	560,171
TuSimple Holdings, Inc., Class A (A)	36,896	32,387
Universal Logistics Holdings, Inc.	1,469	41,161
Werner Enterprises, Inc.	12,877	545,598
		2,436,960
Industrial conglomerates – 0.0%		
Brookfield Business Corp., Class A	5,440	126,643
Machinery – 3.4%		
374Water, Inc. (A)(B)	13,926	19,775
3D Systems Corp. (A)	26,824	170,332
Alamo Group, Inc.	2,062	433,412
Albany International Corp., Class A	6,492	637,644
Astec Industries, Inc.	4,873	181,276
Barnes Group, Inc.	10,684	348,619
Blue Bird Corp. (A)	5,087	137,146
Chart Industries, Inc. (A)	8,887	1,211,565
Columbus McKinnon Corp.	5,878	229,360
Commercial Vehicle Group, Inc. (A)	7,280	51,033
Desktop Metal, Inc., Class A (A)(B)	60,154	45,176
Douglas Dynamics, Inc.	4,862	144,304
Energy Recovery, Inc. (A)	11,622	218,958
Enerpac Tool Group Corp.	11,191	347,928
Enpro, Inc.	4,313	676,020
ESCO Technologies, Inc.	5,254	614,876
Federal Signal Corp.	12,326	945,897
Franklin Electric Company, Inc.	9,495	917,692
Gencor Industries, Inc. (A)	2,569	41,464
Helios Technologies, Inc.	6,828	309,650
Hillenbrand, Inc.	14,223	680,571
Hillman Solutions Corp. (A)	40,500	373,005
Hyster-Yale Materials Handling, Inc.	2,309	143,597
John Bean Technologies Corp.	6,565	652,889
Kadant, Inc.	2,391	670,221
Kennametal, Inc.	16,379	422,414
Lindsay Corp.	2,270	293,193
Luxfer Holdings PLC	6,350	56,769
Mayville Engineering Company, Inc. (A)	2,786	40,174
Microvast Holdings, Inc. (A)(B)	19,918	27,885
Miller Industries, Inc.	2,440	103,188
Mueller Industries, Inc.	23,070	1,087,751
Mueller Water Products, Inc., Class A	32,015	461,016
Nikola Corp. (A)	126,799	110,924
Omega Flex, Inc.	712	50,203
Park-Ohio Holdings Corp.	2,066	55,699
Proto Labs, Inc. (A)	5,586	217,631
REV Group, Inc.	6,961	126,481
SPX Technologies, Inc. (A)	9,118	921,009
Standex International Corp.	2,392	378,845
Tennant Company	3,795	351,759
Terex Corp.	13,547	778,411
The Gorman-Rupp Company	4,908	174,381
The Greenbrier Companies, Inc.	6,511	287,656
The Manitowoc Company, Inc. (A)	7,170	119,667
The Shyft Group, Inc.	7,261	88,729

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Titan International, Inc. (A)	11,050	\$ 164,424
Trinity Industries, Inc.	16,728	444,798
Velo3D, Inc. (A)	20,462	8,136
Wabash National Corp.	9,750	249,795
Watts Water Technologies, Inc., Class A	5,364	1,117,536
		18,340,884
Marine transportation – 0.3%		
Costamare, Inc.	9,227	96,053
Eagle Bulk Shipping, Inc. (B)	1,965	108,861
Genco Shipping & Trading, Ltd.	8,324	138,095
Golden Ocean Group, Ltd.	25,221	246,157
Himalaya Shipping, Ltd. (A)	6,769	45,758
Matson, Inc.	6,941	760,734
Pangaea Logistics Solutions, Ltd.	8,339	68,713
Safe Bulkers, Inc. (B)	14,910	58,596
		1,522,967
Passenger airlines – 0.4%		
Allegiant Travel Company	3,222	266,169
Blade Air Mobility, Inc. (A)	14,625	51,626
Frontier Group Holdings, Inc. (A)(B)	8,255	45,072
Hawaiian Holdings, Inc. (A)	10,930	155,206
JetBlue Airways Corp. (A)	70,711	392,446
Joby Aviation, Inc. (A)	58,226	387,203
SkyWest, Inc. (A)	7,922	413,528
Spirit Airlines, Inc. (B)	22,397	367,087
Sun Country Airlines Holdings, Inc. (A)	7,971	125,384
		2,203,721
Professional services – 2.4%		
Alight, Inc., Class A (A)	85,213	726,867
ASGN, Inc. (A)	9,566	919,962
Asure Software, Inc. (A)	4,362	41,526
Barrett Business Services, Inc.	1,133	131,201
BlackSky Technology, Inc. (A)	28,482	39,875
CBIZ, Inc. (A)	9,836	615,635
Conduent, Inc. (A)	37,677	137,521
CRA International, Inc.	1,412	139,576
CSG Systems International, Inc.	6,428	342,034
EXL Service Holdings, Inc. (A)	33,355	1,029,002
Exponent, Inc.	10,421	917,465
First Advantage Corp.	11,588	192,013
FiscalNote Holdings, Inc. (A)(B)	14,688	16,744
Forrester Research, Inc. (A)	2,689	72,092
Franklin Covey Company (A)	2,624	114,223
Heidrick & Struggles International, Inc.	4,059	119,862
HireRight Holdings Corp. (A)	2,706	36,396
Huron Consulting Group, Inc. (A)	3,940	405,032
ICF International, Inc.	3,838	514,637
Innodata, Inc. (A)	5,513	44,876
Inspireity, Inc.	7,246	849,376
Kelly Services, Inc., Class A	6,070	131,233
Kforce, Inc.	4,019	271,524
Korn Ferry	10,338	613,560
Legalzoom.com, Inc. (A)	24,142	272,805
Maximus, Inc.	12,473	1,045,986
Mistras Group, Inc. (A)	5,027	36,798
NV5 Global, Inc. (A)	2,852	316,914
Parsons Corp. (A)	8,395	526,450
Planet Labs PBC (A)(B)	38,354	94,734
Resources Connection, Inc.	6,932	98,226
Sterling Check Corp. (A)	7,178	99,918
TriNet Group, Inc. (A)	6,508	773,996
TrueBlue, Inc. (A)	6,580	100,937
TTEC Holdings, Inc.	4,164	90,234
Upwork, Inc. (A)	25,812	383,824

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Verra Mobility Corp. (A)	28,886	\$ 665,245
Willdan Group, Inc. (A)	3,086	66,349
		12,994,648
Trading companies and distributors – 2.0%		
Alta Equipment Group, Inc.	5,913	73,144
Applied Industrial Technologies, Inc.	7,729	1,334,721
Beacon Roofing Supply, Inc. (A)	11,604	1,009,780
BlueLinx Holdings, Inc. (A)	1,738	196,933
Boise Cascade Company	8,101	1,047,945
Custom Truck One Source, Inc. (A)	12,060	74,531
Distribution Solutions Group, Inc. (A)	2,042	64,446
DXP Enterprises, Inc. (A)	3,135	105,650
FTAI Aviation, Ltd.	20,571	954,494
GATX Corp.	7,277	874,841
Global Industrial, Inc.	2,953	114,695
GMS, Inc. (A)	8,436	695,379
H&E Equipment Services, Inc.	6,684	349,707
Herc Holdings, Inc.	5,845	870,262
Hudson Technologies, Inc. (A)	9,382	126,563
Karat Packaging, Inc.	1,321	32,827
McGrath RentCorp	5,091	608,985
MRC Global, Inc. (A)	17,904	197,123
NOW, Inc. (A)	22,874	258,934
Rush Enterprises, Inc., Class A	12,772	642,432
Rush Enterprises, Inc., Class B	2,007	106,331
Textainer Group Holdings, Ltd.	8,180	402,456
Titan Machinery, Inc. (A)	4,390	126,783
Transcat, Inc. (A)	1,768	193,295
Willis Lease Finance Corp. (A)	608	29,719
Xometry, Inc., Class A (A)	7,320	262,861
		10,754,837
		88,611,015
Information technology – 13.1%		
Communications equipment – 0.6%		
ADTRAN Holdings, Inc.	16,671	122,365
Aviat Networks, Inc. (A)	2,507	81,879
Calix, Inc. (A)	12,184	532,319
Cambium Networks Corp. (A)	2,878	17,268
Clearfield, Inc. (A)	2,779	80,813
CommScope Holding Company, Inc. (A)	43,742	123,352
Comtech Telecommunications Corp.	6,575	55,427
Digi International, Inc. (A)	7,279	189,254
Extreme Networks, Inc. (A)	26,212	462,380
Harmonic, Inc. (A)	22,932	299,033
Infinera Corp. (A)	41,983	199,419
NETGEAR, Inc. (A)	6,439	93,881
NetScout Systems, Inc. (A)	14,951	328,174
Ribbon Communications, Inc. (A)	19,740	57,246
Viavi Solutions, Inc. (A)	44,521	448,326
		3,091,136
Electronic equipment, instruments and components – 2.6%		
908 Devices, Inc. (A)(B)	5,727	64,257
Advanced Energy Industries, Inc.	7,765	845,764
Arlo Technologies, Inc. (A)	18,172	172,997
Badger Meter, Inc.	6,038	932,086
Bel Fuse, Inc., Class B	2,108	140,751
Belden, Inc.	8,748	675,783
Benchmark Electronics, Inc.	7,242	200,169
Climb Global Solutions, Inc.	993	54,446
CTS Corp.	6,457	282,429
Daktronics, Inc. (A)	8,868	75,201
ePlus, Inc. (A)	5,530	441,515
Evolv Technologies Holdings, Inc. (A)	23,964	113,110
Fabrinet (A)	7,589	1,444,414

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
FARO Technologies, Inc. (A)	3,763	\$ 84,780
Insight Enterprises, Inc. (A)	5,909	1,047,016
Iteris, Inc. (A)	10,727	55,780
Itron, Inc. (A)	9,458	714,174
Kimball Electronics, Inc. (A)	5,099	137,418
Knowles Corp. (A)	18,680	334,559
Lightwave Logic, Inc. (A)(B)	24,182	120,426
Luna Innovations, Inc. (A)	7,290	48,479
Methode Electronics, Inc.	7,161	162,770
MicroVision, Inc. (A)(B)	37,445	99,604
Mirion Technologies, Inc. (A)	41,561	426,000
Napco Security Technologies, Inc.	7,183	246,018
nLight, Inc. (A)	9,548	128,898
Novanta, Inc. (A)	7,388	1,244,213
OSI Systems, Inc. (A)	3,273	422,381
PAR Technology Corp. (A)	5,591	243,432
PC Connection, Inc.	2,323	156,129
Plexus Corp. (A)	5,650	610,935
Richardson Electronics, Ltd.	2,454	32,761
Rogers Corp. (A)	3,587	473,735
Sanmina Corp. (A)	11,371	584,128
ScanSource, Inc. (A)	5,259	208,309
SmartRent, Inc. (A)	39,706	126,662
TTM Technologies, Inc. (A)	21,077	333,227
Vishay Intertechnology, Inc.	26,528	635,876
Vishay Precision Group, Inc. (A)	2,693	91,751
		14,212,383
IT services – 0.5%		
Applied Digital Corp. (A)(B)	17,443	117,566
BigCommerce Holdings, Inc., Series 1 (A)	14,512	141,202
Brightcove, Inc. (A)	11,168	28,925
Couchbase, Inc. (A)	7,233	162,887
DigitalOcean Holdings, Inc. (A)	13,128	481,666
Fastly, Inc., Class A (A)	24,380	433,964
Grid Dynamics Holdings, Inc. (A)	12,075	160,960
Perficient, Inc. (A)	7,111	468,046
Squarespace, Inc., Class A (A)	10,213	337,131
The Hackett Group, Inc.	5,349	121,797
Thoughtworks Holding, Inc. (A)	19,472	93,660
Tucows, Inc., Class A (A)(B)	2,224	60,048
Unisys Corp. (A)	15,098	84,851
		2,692,703
Semiconductors and semiconductor equipment – 3.0%		
ACM Research, Inc., Class A (A)	9,966	194,736
Aehr Test Systems (A)	6,045	160,374
Alpha & Omega Semiconductor, Ltd. (A)	4,748	123,733
Ambarella, Inc. (A)	7,915	485,110
Amkor Technology, Inc.	22,720	755,894
Atomera, Inc. (A)	4,991	34,987
Axcelis Technologies, Inc. (A)	6,600	855,954
CEVA, Inc. (A)	5,081	115,390
Cohu, Inc. (A)	9,664	342,009
Credo Technology Group Holding, Ltd. (A)	23,433	456,241
Diodes, Inc. (A)	9,279	747,145
FormFactor, Inc. (A)	15,645	652,553
Ichor Holdings, Ltd. (A)	5,887	197,980
Impinj, Inc. (A)	4,781	430,433
Indie Semiconductor, Inc., Class A (A)	31,405	254,695
inTEST Corp. (A)	2,435	33,116
Kulicke & Soffa Industries, Inc.	11,367	622,002
MACOM Technology Solutions Holdings, Inc. (A)	10,980	1,020,591
Maxeon Solar Technologies, Ltd. (A)(B)	5,692	40,812
MaxLinear, Inc. (A)	15,572	370,146

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Navitas Semiconductor Corp. (A)	24,100	\$ 194,487
NVE Corp.	1,082	84,861
Onto Innovation, Inc. (A)	10,103	1,544,749
PDF Solutions, Inc. (A)	6,366	204,603
Photonics, Inc. (A)	12,372	388,110
Power Integrations, Inc.	11,498	944,101
Rambus, Inc. (A)	22,084	1,507,233
Semtech Corp. (A)	13,399	293,572
Silicon Laboratories, Inc. (A)	6,520	862,400
SiTime Corp. (A)	3,539	432,041
SkyWater Technology, Inc. (A)	3,755	36,123
SMART Global Holdings, Inc. (A)	10,095	191,098
Synaptics, Inc. (A)	8,029	915,948
Ultra Clean Holdings, Inc. (A)	9,234	315,249
Veeco Instruments, Inc. (A)	10,657	330,687
		16,139,163
Software – 5.7%		
8x8, Inc. (A)	24,992	94,470
A10 Networks, Inc.	14,506	191,044
ACI Worldwide, Inc. (A)	22,424	686,174
Adeia, Inc.	22,455	278,217
Agilysys, Inc. (A)	4,157	352,597
Alarm.com Holdings, Inc. (A)	9,930	641,677
Alkami Technology, Inc. (A)	8,292	201,081
Altair Engineering, Inc., Class A (A)	11,123	936,000
American Software, Inc., Class A	7,288	82,354
Amplitude, Inc., Class A (A)	14,514	184,618
Appfolio, Inc., Class A (A)	3,972	688,109
Appian Corp., Class A (A)	8,447	318,114
Asana, Inc., Class A (A)	16,229	308,513
Aurora Innovation, Inc. (A)(B)	72,250	315,733
AvePoint, Inc. (A)	29,494	242,146
Bit Digital, Inc. (A)(B)	15,737	66,568
Blackbaud, Inc. (A)	8,991	779,520
Blackline, Inc. (A)	11,559	721,744
Box, Inc., Class A (A)	29,086	744,892
Braze, Inc., Class A (A)	10,606	563,497
c3.ai, Inc., Class A (A)(B)	16,634	477,562
Cerence, Inc. (A)	8,517	167,444
Cipher Mining, Inc. (A)	8,042	33,213
CleanSpark, Inc. (A)	30,841	340,176
Clear Secure, Inc., Class A	17,317	357,596
CommVault Systems, Inc. (A)	8,839	705,794
Consensus Cloud Solutions, Inc. (A)	4,101	107,487
CS Disco, Inc. (A)	5,270	39,999
Digimarc Corp. (A)(B)	3,186	115,078
Digital Turbine, Inc. (A)	20,068	137,666
Domo, Inc., Class B (A)	6,644	68,367
E2open Parent Holdings, Inc. (A)	37,768	165,802
Ebix, Inc. (A)	5,599	5,823
Enfusion, Inc., Class A (A)	8,823	85,583
EngageSmart, Inc. (A)	10,121	231,771
Investnet, Inc. (A)	10,386	514,315
Everbridge, Inc. (A)	8,512	206,927
EverCommerce, Inc. (A)	4,958	54,687
Freshworks, Inc., Class A (A)	32,881	772,375
Instructure Holdings, Inc. (A)	4,002	108,094
Intapp, Inc. (A)	5,627	213,939
InterDigital, Inc.	5,274	572,440
Jamf Holding Corp. (A)	14,543	262,647
Kaltura, Inc. (A)	20,959	40,870
LivePerson, Inc. (A)	14,490	54,917
LiveRamp Holdings, Inc. (A)	13,843	524,373
Marathon Digital Holdings, Inc. (A)(B)	43,809	1,029,073
Matterport, Inc. (A)	53,805	144,735

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
MeridianLink, Inc. (A)	5,491	\$ 136,012
MicroStrategy, Inc., Class A (A)(B)	2,505	1,582,208
Mitek Systems, Inc. (A)	9,261	120,763
Model N, Inc. (A)	7,687	207,011
N-able, Inc. (A)	14,580	193,185
NextNav, Inc. (A)(B)	13,037	58,015
Olo, Inc., Class A (A)	21,990	125,783
ON24, Inc.	7,347	57,894
OneSpan, Inc. (A)	8,565	91,817
PagerDuty, Inc. (A)	18,523	428,807
PowerSchool Holdings, Inc., Class A (A)	11,636	274,144
Progress Software Corp.	8,914	484,030
PROS Holdings, Inc. (A)	9,276	359,816
Q2 Holdings, Inc. (A)	11,675	506,812
Qualys, Inc. (A)	7,600	1,491,728
Rapid7, Inc. (A)	12,354	705,413
Red Violet, Inc. (A)	2,116	42,257
Rimini Street, Inc. (A)	11,877	38,838
Riot Platforms, Inc. (A)	39,164	605,867
Sapiens International Corp. NV	6,312	182,669
SEMrush Holdings, Inc., Class A (A)(B)	6,870	93,844
SolarWinds Corp. (A)	10,715	133,830
SoundHound AI, Inc., Class A (A)	29,524	62,591
SoundThinking, Inc. (A)	2,149	54,885
Sprinklr, Inc., Class A (A)	21,717	261,473
Sprout Social, Inc., Class A (A)	9,732	597,934
SPS Commerce, Inc. (A)	7,527	1,459,034
Tenable Holdings, Inc. (A)	23,562	1,085,266
TeraWulf, Inc. (A)(B)	26,856	64,454
Varonis Systems, Inc. (A)	22,402	1,014,363
Verint Systems, Inc. (A)	13,009	351,633
Weave Communications, Inc. (A)	7,484	85,841
Workiva, Inc. (A)	10,261	1,041,799
Xperi, Inc. (A)	9,245	101,880
Yext, Inc. (A)	22,323	131,482
Zeta Global Holdings Corp., Class A (A)	28,020	247,136
Zuora, Inc., Class A (A)	28,072	263,877
		30,680,212
Technology hardware, storage and peripherals – 0.7%		
Corsair Gaming, Inc. (A)	7,804	110,036
Eastman Kodak Company (A)	12,372	48,251
Immersion Corp. (A)	7,191	50,768
Intevac, Inc. (A)	6,890	29,765
IonQ, Inc. (A)(B)	33,197	411,311
Super Micro Computer, Inc. (A)	9,554	2,715,820
Turtle Beach Corp. (A)	3,233	35,401
Xerox Holdings Corp.	23,465	430,113
		3,831,465
		70,647,062
Materials – 4.3%		
Chemicals – 1.8%		
AdvanSix, Inc.	5,467	163,791
American Vanguard Corp.	5,975	65,546
Aspen Aerogels, Inc. (A)	11,369	179,403
Avient Corp.	18,638	774,782
Balchem Corp.	6,598	981,453
Cabot Corp.	11,068	924,178
Core Molding Technologies, Inc. (A)	1,902	35,244
Ecovyst, Inc. (A)	19,659	192,068
Hawkins, Inc.	4,033	284,004
HB Fuller Company	10,748	874,995
Ingevity Corp. (A)	7,788	367,749
Innospec, Inc.	5,127	631,851
Intrepid Potash, Inc. (A)	2,276	54,374

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Koppers Holdings, Inc.	4,287	\$ 219,580
Kronos Worldwide, Inc.	5,417	53,845
Livent Corp. (A)	37,131	667,615
LSB Industries, Inc. (A)	11,745	109,346
Mativ Holdings, Inc.	11,339	173,600
Minerals Technologies, Inc.	6,713	478,704
Orion SA	11,575	320,975
Perimeter Solutions SA (A)	33,345	153,387
PureCycle Technologies, Inc. (A)(B)	24,713	100,088
Quaker Chemical Corp.	2,865	611,448
Rayonier Advanced Materials, Inc. (A)	14,217	57,579
Sensient Technologies Corp.	8,599	567,534
Stepan Company	4,349	411,198
Trinseo PLC	7,749	64,859
Tronox Holdings PLC	24,270	343,663
		9,862,859
Construction materials – 0.3%		
Knife River Corp. (A)	11,351	751,209
Summit Materials, Inc., Class A (A)	24,702	950,039
United States Lime & Minerals, Inc.	444	102,275
		1,803,523
Containers and packaging – 0.3%		
Greif, Inc., Class A	4,823	316,341
Greif, Inc., Class B	1,137	75,053
Myers Industries, Inc.	7,863	153,722
O-I Glass, Inc. (A)	31,989	523,980
Pactiv Evergreen, Inc.	8,739	119,812
Ranpak Holdings Corp. (A)	9,896	57,595
TriMas Corp.	9,349	236,810
		1,483,313
Metals and mining – 1.8%		
1911 Gold Corp. (A)	5,045	308
Alpha Metallurgical Resources, Inc.	2,338	792,395
Arch Resources, Inc.	3,725	618,127
ATI, Inc. (A)	26,018	1,183,038
Caledonia Mining Corp. PLC	2,976	36,307
Carpenter Technology Corp.	9,970	705,876
Century Aluminum Company (A)	10,973	133,212
Coeur Mining, Inc. (A)	67,704	220,715
Commercial Metals Company	24,126	1,207,265
Compass Minerals International, Inc.	7,256	183,722
Constellium SE (A)	26,348	525,906
Contango ORE, Inc. (A)	1,817	32,906
Dakota Gold Corp. (A)	13,589	35,603
Haynes International, Inc.	2,715	154,891
Hecla Mining Company	125,040	601,442
i-80 Gold Corp. (A)	44,291	77,952
Ivanhoe Electric, Inc. (A)	13,793	139,033
Kaiser Aluminum Corp.	3,357	238,985
Materion Corp.	4,048	526,766
Novagold Resources, Inc. (A)	51,384	192,176
Olympic Steel, Inc.	2,098	139,937
Pan American Silver Corp. (A)	88,114	45,379
Perpetua Resources Corp. (A)(B)	10,456	33,146
Piedmont Lithium, Inc. (A)	3,728	105,241
Ramaco Resources, Inc. (A)	5,458	93,768
Ryerson Holding Corp.	5,563	192,925
Schneider Steel Industries, Inc., Class A	5,494	165,699
SunCoke Energy, Inc.	17,383	186,693
TimkenSteel Corp. (A)	9,066	212,598
Tredegar Corp.	6,562	35,500
Warrior Met Coal, Inc.	10,734	654,452

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Worthington Steel, Inc. (A)	6,350	\$ 178,435
		9,650,398
Paper and forest products – 0.1%		
Clearwater Paper Corp. (A)	3,597	129,924
Resolute Forest Products, Inc. (A)(C)	9,238	13,118
Sylvamo Corp.	7,425	364,642
		507,684
		23,307,777
Real estate – 6.0%		
Diversified REITs – 0.6%		
Alexander & Baldwin, Inc.	16,074	305,727
Alpine Income Property Trust, Inc.	2,012	34,023
American Assets Trust, Inc.	10,308	232,033
Armada Hoffler Properties, Inc.	14,483	179,155
Broadstone Net Lease, Inc.	38,715	666,672
CTO Realty Growth, Inc.	4,914	85,160
Empire State Realty Trust, Inc., Class A	27,866	270,022
Essential Properties Realty Trust, Inc.	31,381	802,098
Gladstone Commercial Corp.	7,334	97,102
Global Net Lease, Inc.	40,555	403,522
NexPoint Diversified Real Estate Trust	7,207	57,296
One Liberty Properties, Inc.	2,675	58,609
		3,191,419
Health care REITs – 0.6%		
CareTrust REIT, Inc.	20,685	462,930
Community Healthcare Trust, Inc.	6,102	162,557
Diversified Healthcare Trust	50,659	189,465
Global Medical REIT, Inc.	13,290	147,519
LTC Properties, Inc.	8,217	263,930
National Health Investors, Inc.	8,520	475,842
Physicians Realty Trust	48,840	650,060
Sabra Health Care REIT, Inc.	47,436	676,912
Universal Health Realty Income Trust	2,778	120,149
		3,149,364
Hotel and resort REITs – 0.8%		
Apple Hospitality REIT, Inc.	43,956	730,109
Braemar Hotels & Resorts, Inc.	16,191	40,478
Chatham Lodging Trust	11,173	119,775
DiamondRock Hospitality Company	44,145	414,522
Pebblebrook Hotel Trust	25,233	403,223
RLJ Lodging Trust	31,098	364,469
Ryman Hospitality Properties, Inc.	11,912	1,311,035
Service Properties Trust	34,249	292,486
Summit Hotel Properties, Inc.	22,701	152,551
Sunstone Hotel Investors, Inc.	42,748	458,686
Xenia Hotels & Resorts, Inc.	21,275	289,766
		4,577,100
Industrial REITs – 0.5%		
Innovative Industrial Properties, Inc.	5,711	575,783
LXP Industrial Trust	59,518	590,419
Plymouth Industrial REIT, Inc.	9,119	219,494
Terreno Realty Corp.	16,741	1,049,158
		2,434,854
Office REITs – 0.7%		
Brandywine Realty Trust	34,879	188,347
City Office REIT, Inc.	9,847	60,165
COPT Defense Properties	23,080	591,540
Douglas Emmett, Inc.	32,315	468,568
Easterly Government Properties, Inc.	20,136	270,628
Equity Commonwealth	21,111	405,331
Hudson Pacific Properties, Inc.	29,139	271,284
JBG SMITH Properties	20,283	345,014

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Office REITs (continued)		
Office Properties Income Trust	10,792	\$ 78,997
Orion Office REIT, Inc.	13,374	76,499
Paramount Group, Inc.	38,539	199,247
Peakstone Realty Trust	7,334	146,167
Piedmont Office Realty Trust, Inc., Class A	25,709	182,791
Postal Realty Trust, Inc., Class A	3,350	48,776
SL Green Realty Corp.	13,386	604,646
		3,938,000
Real estate management and development – 0.8%		
Anywhere Real Estate, Inc. (A)	22,032	178,680
Compass, Inc., Class A (A)	56,374	211,966
Cushman & Wakefield PLC (A)	34,695	374,706
DigitalBridge Group, Inc.	33,326	584,538
Douglas Elliman, Inc.	18,235	53,793
eXp World Holdings, Inc. (B)	14,492	224,916
Forestar Group, Inc. (A)	3,826	126,526
FRP Holdings, Inc. (A)	1,575	99,036
Kennedy-Wilson Holdings, Inc.	24,567	304,139
Marcus & Millichap, Inc.	5,040	220,147
Maui Land & Pineapple Company, Inc. (A)	1,950	30,986
Newmark Group, Inc., Class A	28,661	314,125
Opendoor Technologies, Inc. (A)	113,366	507,880
RE/MAX Holdings, Inc., Class A	3,394	45,242
Redfin Corp. (A)	22,124	228,320
Tejon Ranch Company (A)	5,914	101,721
The RMR Group, Inc., Class A	3,503	98,890
The St. Joe Company	7,168	431,370
		4,136,981
Residential REITs – 0.4%		
Apartment Investment and Management Company, Class A (A)	30,800	241,164
BRT Apartments Corp.	3,021	56,160
Centerspace	3,157	183,737
Elme Communities	18,297	267,136
Independence Realty Trust, Inc.	46,454	710,746
NexPoint Residential Trust, Inc.	4,839	166,607
UMH Properties, Inc.	11,717	179,504
Veris Residential, Inc.	16,420	258,287
		2,063,341
Retail REITs – 1.2%		
Acadia Realty Trust	19,527	331,764
Alexander's, Inc.	440	93,971
CBL & Associates Properties, Inc.	5,644	137,826
Getty Realty Corp.	9,697	283,346
InvenTrust Properties Corp.	14,131	358,080
Kite Realty Group Trust	44,859	1,025,477
NETSTREIT Corp.	13,951	249,025
Phillips Edison & Company, Inc.	24,336	887,777
Retail Opportunity Investments Corp.	25,813	362,156
RPT Realty	18,271	234,417
Saul Centers, Inc.	2,600	102,102
SITE Centers Corp.	39,400	537,022
Tanger, Inc.	20,865	578,378
The Macerich Company	44,506	686,728
Urban Edge Properties	23,768	434,954
Whitestone REIT	7,815	96,046
		6,399,069
Specialized REITs – 0.4%		
Farmland Partners, Inc.	8,538	106,554
Four Corners Property Trust, Inc.	18,505	468,177
Gladstone Land Corp.	7,581	109,545
Outfront Media, Inc.	30,591	427,050
PotlatchDeltic Corp.	16,297	800,183

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialized REITs (continued)		
Safehold, Inc.	10,111	\$ 236,597
Uniti Group, Inc.	49,608	286,734
		2,434,840
		32,324,968
Utilities – 2.6%		
Electric utilities – 0.7%		
ALLETE, Inc.	11,799	721,627
Genie Energy, Ltd., B Shares	3,869	108,835
MGE Energy, Inc.	7,642	552,593
Otter Tail Corp.	8,494	721,735
PNM Resources, Inc.	17,395	723,632
Portland General Electric Company	21,402	927,563
		3,755,985
Gas utilities – 0.9%		
Brookfield Infrastructure Corp., Class A	24,415	861,361
Chesapeake Utilities Corp.	4,445	469,525
New Jersey Resources Corp.	19,958	889,728
Northwest Natural Holding Company	7,480	291,271
ONE Gas, Inc.	11,267	717,933
RGC Resources, Inc.	2,300	46,782
Southwest Gas Holdings, Inc.	12,613	799,034
Spire, Inc.	10,372	646,590
		4,722,224
Independent power and renewable electricity producers – 0.2%		
Altus Power, Inc. (A)	14,321	97,812
Montauk Renewables, Inc. (A)	14,986	133,525
Ormat Technologies, Inc.	10,953	830,128
Sunnova Energy International, Inc. (A)	22,172	338,123
		1,399,588
Multi-utilities – 0.4%		
Avista Corp.	15,435	551,647
Black Hills Corp.	13,574	732,317
Northwestern Energy Group, Inc.	12,234	622,588
Unitil Corp.	3,308	173,902
		2,080,454
Water utilities – 0.4%		
American States Water Company	7,601	611,272
Artesian Resources Corp., Class A	1,982	82,154
Cadiz, Inc. (A)(B)	10,212	28,594
California Water Service Group	12,152	630,324
Consolidated Water Company, Ltd.	2,882	102,599
Global Water Resources, Inc.	2,310	30,215
Middlesex Water Company	3,638	238,726
Pure Cycle Corp. (A)	5,271	55,187
SJW Group	6,356	415,365
The York Water Company	2,832	109,372
		2,303,808
		14,262,059
TOTAL COMMON STOCKS (Cost \$425,712,827)		\$ 521,015,526
WARRANTS – 0.0%		
Cassava Sciences, Inc. (Expiration Date: 11-15-24; Strike Price: \$33.00) (A)	3,318	22,357
Nabors Industries, Ltd. (Expiration Date: 6-11-26; Strike Price: \$166.67) (A)	668	7,014
TOTAL WARRANTS (Cost \$0)		\$ 29,371

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 5.9%		
Short-term funds – 5.9%		
John Hancock Collateral Trust, 5.3645% (D)(E)	3,207,052	\$ 32,071,162
TOTAL SHORT-TERM INVESTMENTS (Cost \$32,066,070)		\$ 32,071,162
Total Investments (Small Cap Index Trust) (Cost \$457,778,897) – 102.4%		\$ 553,116,059
Other assets and liabilities, net – (2.4%)		(13,212,826)
TOTAL NET ASSETS – 100.0%		\$ 539,903,233

Small Cap Index Trust (continued)

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 12-31-23.
 (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 12-31-23.
 (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 \$13,346,464.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	191	Long	Mar 2024	\$18,225,905	\$19,555,535	\$1,329,630
						\$1,329,630

[^] 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 Opportunities Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.7%		
Communication services – 1.9%		
Diversified telecommunication services – 0.3%		
ATN International, Inc.	1,281	\$ 49,921
Bandwidth, Inc., Class A (A)	831	12,025
Communications Systems, Inc. (A)(B)	450	549
Consolidated Communications Holdings, Inc. (A)	4,985	21,685
EchoStar Corp., Class A (A)	4,430	73,405
Frontier Communications Parent, Inc. (A)	3,597	91,148
GCI Liberty, Inc. (A)(B)	4,508	0
Liberty Latin America, Ltd., Class A (A)	4,204	30,731
Liberty Latin America, Ltd., Class C (A)	11,346	83,280
Lumen Technologies, Inc. (A)	22,539	41,246
Shenandoah Telecommunications Company	3,663	79,194
		483,184
Entertainment – 0.1%		
FG Group Holdings, Inc. (A)	1,114	1,638
Liberty Media Corp.-Liberty Live, Series A (A)	94	3,436
Liberty Media Corp.-Liberty Live, Series C (A)	89	3,328
Lions Gate Entertainment Corp., Class B (A)	9,367	95,450
Madison Square Garden Entertainment Corp. (A)	1,748	55,569
Reading International, Inc., Class A (A)	1,100	2,101
Sphere Entertainment Company (A)	2,347	79,704
The Marcus Corp.	2,916	42,515
		283,741
Interactive media and services – 0.3%		
Bumble, Inc., Class A (A)	11,341	167,166
Cars.com, Inc. (A)	6,762	128,275
DHI Group, Inc. (A)	5,212	13,499
QuinStreet, Inc. (A)	1,887	24,191
TrueCar, Inc. (A)	8,052	27,860

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services (continued)		
Yelp, Inc. (A)	2,091	\$ 98,988
Ziff Davis, Inc. (A)	1,371	92,117
		552,096
Media – 1.0%		
Advantage Solutions, Inc. (A)	9,240	33,449
AMC Networks, Inc., Class A (A)	2,542	47,764
Boston Omaha Corp., Class A (A)	2,031	31,948
Cable One, Inc.	81	45,084
comScore, Inc. (A)	142	2,371
Cumulus Media, Inc., Class A (A)	1,193	6,347
Daily Journal Corp. (A)	41	13,974
DISH Network Corp., Class A (A)	1,108	6,393
Entravision Communications Corp., Class A	5,075	21,163
Gannett Company, Inc. (A)	12,679	29,162
Gray Television, Inc.	6,546	58,652
iHeartMedia, Inc., Class A (A)	2,266	6,050
Integral Ad Science Holding Corp. (A)	2,369	34,090
John Wiley & Sons, Inc., Class A	2,970	94,268
Liberty Broadband Corp., Series A (A)	475	38,304
Liberty Media Corp.-Liberty SiriusXM, Series A (A)	4,841	139,130
Liberty Media Corp.-Liberty SiriusXM, Series C (A)	5,568	160,247
Magnite, Inc. (A)	5,549	51,828
News Corp., Class B	4,939	127,031
Nexstar Media Group, Inc.	1,995	312,716
PubMatic, Inc., Class A (A)	1,596	26,031
Scholastic Corp.	2,790	105,183
Sinclair, Inc.	1,410	18,372
TEGNA, Inc.	9,600	146,880
The EW Scripps Company, Class A (A)	5,843	46,686
Thryv Holdings, Inc. (A)	2,842	57,835
Urban One, Inc., Class D (A)	3,100	10,943

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
WideOpenWest, Inc. (A)	1,042	\$ 4,220
		1,676,121
Wireless telecommunication services – 0.2%		
Spok Holdings, Inc.	2,056	31,827
Telephone & Data Systems, Inc.	7,131	130,854
United States Cellular Corp. (A)	3,882	161,258
		323,939
		3,319,081
Consumer discretionary – 15.8%		
Automobile components – 2.2%		
Adient PLC (A)	6,695	243,430
American Axle & Manufacturing Holdings, Inc. (A)	9,766	86,038
Autoliv, Inc.	1,230	135,534
BorgWarner, Inc.	15,544	557,252
Cooper-Standard Holdings, Inc. (A)	1,311	25,617
Dana, Inc.	12,211	178,403
Dorman Products, Inc. (A)	6,343	529,070
Fox Factory Holding Corp. (A)	9,416	635,392
LCI Industries	1,659	208,553
Lear Corp.	999	141,069
Modine Manufacturing Company (A)	4,925	294,023
Motorcar Parts of America, Inc. (A)	1,585	14,804
Patrick Industries, Inc.	2,235	224,282
PHINIA, Inc.	3,108	94,141
Standard Motor Products, Inc.	1,901	75,679
Stoneridge, Inc. (A)	1,672	32,721
Strattec Security Corp. (A)	924	23,202
The Goodyear Tire & Rubber Company (A)	22,263	318,806
		3,818,016
Automobiles – 0.5%		
Harley-Davidson, Inc.	7,860	289,562
Thor Industries, Inc.	2,658	314,309
Winnebago Industries, Inc.	2,220	161,794
		765,665
Broadline retail – 0.4%		
Big Lots, Inc.	2,901	22,599
Dillard's, Inc., Class A	348	140,470
Kohl's Corp.	8,128	233,111
Macy's, Inc.	17,886	359,866
		756,046
Distributors – 0.0%		
Weyco Group, Inc.	1,316	41,270
Diversified consumer services – 1.5%		
2U, Inc. (A)	2,844	3,498
ADT, Inc.	14,064	95,916
Adtalem Global Education, Inc. (A)	4,671	275,355
American Public Education, Inc. (A)	1,450	13,993
Chegg, Inc. (A)	7,137	81,076
Graham Holdings Company, Class B	347	241,692
Grand Canyon Education, Inc. (A)	8,724	1,151,917
Laureate Education, Inc.	10,639	145,861
Lincoln Educational Services Corp. (A)	1,100	11,044
OneSpaWorld Holdings, Ltd. (A)	900	12,690
Perdoceo Education Corp.	6,679	117,283
Strategic Education, Inc.	1,856	171,439
Stride, Inc. (A)	2,888	171,461
Universal Technical Institute, Inc. (A)	3,087	38,649
		2,531,874
Hotels, restaurants and leisure – 1.3%		
Ark Restaurants Corp.	64	906

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Bally's Corp. (A)	1,300	\$ 18,122
Biglari Holdings, Inc., Class A (A)	3	2,382
Biglari Holdings, Inc., Class B (A)	102	16,823
BJ's Restaurants, Inc. (A)	1,781	64,134
Carrols Restaurant Group, Inc.	1,688	13,301
Chuy's Holdings, Inc. (A)	21,907	837,505
El Pollo Loco Holdings, Inc. (A)	2,613	125,047
First Watch Restaurant Group, Inc. (A)	6,180	124,218
Hilton Grand Vacations, Inc. (A)	324	13,018
Krispy Kreme, Inc.	29,795	449,607
Marriott Vacations Worldwide Corp.	1,475	125,213
Monarch Casino & Resort, Inc.	1,074	74,267
Penn Entertainment, Inc. (A)	9,680	251,874
Playa Hotels & Resorts NV (A)	13,271	114,794
RCI Hospitality Holdings, Inc.	396	26,239
		2,155,450
Household durables – 4.3%		
Bassett Furniture Industries, Inc.	1,234	20,484
Beazer Homes USA, Inc. (A)	3,089	104,377
Cavco Industries, Inc. (A)	882	305,719
Century Communities, Inc.	3,320	302,585
Ethan Allen Interiors, Inc.	2,768	88,355
Flexsteel Industries, Inc.	1,118	21,074
GoPro, Inc., Class A (A)	10,155	35,238
Green Brick Partners, Inc. (A)	2,414	125,383
Helen of Troy, Ltd. (A)	1,240	149,804
Hooker Furnishings Corp.	1,821	47,492
Hovnanian Enterprises, Inc., Class A (A)	292	45,441
KB Home	6,043	377,446
La-Z-Boy, Inc.	3,404	125,676
Legacy Housing Corp. (A)	1,185	29,886
LGI Homes, Inc. (A)	1,611	214,521
Lifetime Brands, Inc.	2,931	19,667
M/I Homes, Inc. (A)	2,195	302,339
MDC Holdings, Inc.	5,709	315,422
Meritage Homes Corp.	2,251	392,124
Mohawk Industries, Inc. (A)	3,830	396,405
Newell Brands, Inc.	27,248	236,513
PulteGroup, Inc.	7,334	757,015
Taylor Morrison Home Corp. (A)	7,865	419,598
Toll Brothers, Inc.	8,961	921,101
TopBuild Corp. (A)	2,948	1,103,318
Tri Pointe Homes, Inc. (A)	9,765	345,681
Universal Electronics, Inc. (A)	745	6,996
VOXX International Corp. (A)	3,131	33,439
Worthington Enterprises, Inc.	3,451	198,605
		7,441,704
Leisure products – 0.5%		
American Outdoor Brands, Inc. (A)	1,873	15,733
AMMO, Inc. (A)	4,648	9,761
Brunswick Corp.	2,240	216,720
Escalade, Inc.	2,724	54,725
Funko, Inc., Class A (A)	2,763	21,358
Hasbro, Inc.	814	41,563
Johnson Outdoors, Inc., Class A	934	49,894
Malibu Boats, Inc., Class A (A)	1,146	62,824
Smith & Wesson Brands, Inc.	4,844	65,685
Solo Brands, Inc., Class A (A)	2,350	14,476
Topgolf Callaway Brands Corp. (A)	15,591	223,575
Vista Outdoor, Inc. (A)	4,878	144,242
		920,556
Specialty retail – 4.1%		
1-800-Flowers.com, Inc., Class A (A)	3,196	34,453

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Abercrombie & Fitch Company, Class A (A)	5,081	\$ 448,246
Academy Sports & Outdoors, Inc.	5,898	389,268
American Eagle Outfitters, Inc.	16,951	358,683
America's Car-Mart, Inc. (A)	565	42,810
Asbury Automotive Group, Inc. (A)	1,440	323,957
AutoNation, Inc. (A)	1,144	171,806
Barnes & Noble Education, Inc. (A)	4,024	5,996
Beyond, Inc. (A)	813	22,512
Big 5 Sporting Goods Corp.	2,004	12,705
Boot Barn Holdings, Inc. (A)	574	44,060
Caleres, Inc.	3,065	94,187
Citi Trends, Inc. (A)	367	10,379
Conn's, Inc. (A)	2,177	9,666
Designer Brands, Inc., Class A	2,923	25,869
Destination XL Group, Inc. (A)	2,471	10,872
Duluth Holdings, Inc., Class B (A)	1,106	5,950
Foot Locker, Inc.	6,590	205,279
Genesco, Inc. (A)	1,311	46,160
Group 1 Automotive, Inc.	1,465	446,444
GrowGeneration Corp. (A)	2,529	6,348
Guess?, Inc.	5,350	123,371
Haverty Furniture Companies, Inc.	1,613	57,262
Hibbett, Inc.	1,098	79,078
Lands' End, Inc. (A)	2,354	22,504
Lithia Motors, Inc.	3,944	1,298,680
LL Flooring Holdings, Inc. (A)	1,480	5,772
MarineMax, Inc. (A)	2,016	78,422
Monro, Inc.	1,908	55,981
National Vision Holdings, Inc. (A)	2,363	49,458
Penske Automotive Group, Inc.	4,213	676,229
Petco Health & Wellness Company, Inc. (A)	1,412	4,462
PetMed Express, Inc.	654	4,944
Revolve Group, Inc. (A)	21,330	353,651
Shoe Carnival, Inc.	2,304	69,604
Signet Jewelers, Ltd.	3,675	394,181
Sonic Automotive, Inc., Class A	1,892	106,349
Sportsman's Warehouse Holdings, Inc. (A)	3,273	13,943
Stitch Fix, Inc., Class A (A)	3,724	13,295
The Aaron's Company, Inc.	1,356	14,753
The Cato Corp., Class A	1,957	13,973
The Container Store Group, Inc. (A)	3,997	9,113
The Gap, Inc.	16,361	342,109
The ODP Corp. (A)	3,276	184,439
Tilly's, Inc., Class A (A)	712	5,368
Upbound Group, Inc.	4,226	143,557
Urban Outfitters, Inc. (A)	7,018	250,472
Zumiez, Inc. (A)	1,822	37,059
		7,123,679
Textiles, apparel and luxury goods – 1.0%		
Capri Holdings, Ltd. (A)	2,090	105,002
Culp, Inc. (A)	334	1,934
Delta Apparel, Inc. (A)	500	3,565
Fossil Group, Inc. (A)	3,231	4,717
G-III Apparel Group, Ltd. (A)	3,404	115,668
Lakeland Industries, Inc.	1,110	20,579
Movado Group, Inc.	1,758	53,004
Oxford Industries, Inc.	5,870	587,000
Peace Mark Holdings, Ltd. (A)(B)	464,000	0
PVH Corp.	4,130	504,356
Rocky Brands, Inc.	802	24,204
Skechers USA, Inc., Class A (A)	1,193	74,372
Steven Madden, Ltd.	1,460	61,320
Superior Group of Companies, Inc.	663	8,951

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Textiles, apparel and luxury goods (continued)		
Under Armour, Inc., Class A (A)	9,493	\$ 83,443
Under Armour, Inc., Class C (A)	6,167	51,494
Unifi, Inc. (A)	2,453	16,337
Vera Bradley, Inc. (A)	2,034	15,662
		1,731,608
		27,285,868
Consumer staples – 2.5%		
Beverages – 0.1%		
MGP Ingredients, Inc.	571	56,255
The Duckhorn Portfolio, Inc. (A)	5,466	53,840
		110,095
Consumer staples distribution and retail – 0.7%		
Grocery Outlet Holding Corp. (A)	6,787	182,978
Ingles Markets, Inc., Class A	1,365	117,895
Natural Grocers by Vitamin Cottage, Inc.	1,014	16,224
Performance Food Group Company (A)	531	36,719
PriceSmart, Inc.	2,423	183,615
SpartanNash Company	3,523	80,853
The Andersons, Inc.	3,384	194,715
U.S. Foods Holding Corp. (A)	4,572	207,615
United Natural Foods, Inc. (A)	4,429	71,883
Village Super Market, Inc., Class A	685	17,968
Weis Markets, Inc.	2,717	173,779
		1,284,244
Food products – 1.1%		
Alico, Inc.	650	18,902
B&G Foods, Inc.	1,941	20,381
Calavo Growers, Inc.	731	21,499
Cal-Maine Foods, Inc.	4,370	250,794
Farmer Brothers Company (A)	1,069	3,271
Fresh Del Monte Produce, Inc.	3,959	103,924
Ingredion, Inc.	2,406	261,123
Limoneira Company	2,147	44,293
Mission Produce, Inc. (A)	1,134	11,442
Pilgrim's Pride Corp. (A)	3,438	95,095
Post Holdings, Inc. (A)	4,233	372,758
Seaboard Corp.	58	207,066
Seneca Foods Corp., Class A (A)	908	47,616
The Hain Celestial Group, Inc. (A)	4,728	51,772
The J.M. Smucker Company	254	32,101
The Simply Good Foods Company (A)	3,540	140,184
TreeHouse Foods, Inc. (A)	4,435	183,831
Whole Earth Brands, Inc. (A)	1,600	5,456
		1,871,508
Household products – 0.3%		
Central Garden & Pet Company (A)	1,553	77,821
Central Garden & Pet Company, Class A (A)	3,288	144,804
Oil-Dri Corp. of America	531	35,619
Spectrum Brands Holdings, Inc.	2,746	219,048
		477,292
Personal care products – 0.2%		
BellRing Brands, Inc. (A)	3,288	182,254
Edgewell Personal Care Company	4,648	170,256
Natural Alternatives International, Inc. (A)	200	1,284
Nature's Sunshine Products, Inc. (A)	1,118	19,330
Nu Skin Enterprises, Inc., Class A	2,988	58,027
The Honest Company, Inc. (A)	4,669	15,408
		446,559
Tobacco – 0.1%		
Universal Corp.	1,975	132,957
		4,322,655

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy – 7.9%		
Energy equipment and services – 2.3%		
Archrock, Inc.	16,778	\$ 258,381
Bristow Group, Inc. (A)	2,307	65,219
ChampionX Corp.	23,435	684,536
Dril-Quip, Inc. (A)	2,878	66,971
Expro Group Holdings NV (A)	1,587	25,265
Forum Energy Technologies, Inc. (A)	377	8,358
Geospace Technologies Corp. (A)	516	6,687
Gulf Island Fabrication, Inc. (A)	3,019	13,072
Helix Energy Solutions Group, Inc. (A)	14,183	145,801
Helmerich & Payne, Inc.	6,377	230,975
Liberty Energy, Inc.	12,732	230,958
Nabors Industries, Ltd. (A)	530	43,264
National Energy Services Reunited Corp. (A)	4,865	29,677
Natural Gas Services Group, Inc. (A)	2,620	42,130
Newpark Resources, Inc. (A)	6,750	44,820
NOV, Inc.	16,660	337,865
Oil States International, Inc. (A)	4,041	27,438
Patterson-UTI Energy, Inc.	21,978	237,362
ProPetro Holding Corp. (A)	9,437	79,082
RPC, Inc.	18,389	133,872
SEACOR Marine Holdings, Inc. (A)	2,432	30,619
Seadrill, Ltd. (A)	290	13,711
Select Water Solutions, Inc.	7,658	58,124
Solaris Oilfield Infrastructure, Inc., Class A	1,100	8,756
TechnipFMC PLC	24,797	499,412
Tidewater, Inc. (A)	3,747	270,196
Transocean, Ltd. (A)	48,808	309,931
U.S. Silica Holdings, Inc. (A)	7,085	80,131
		3,982,613
Oil, gas and consumable fuels – 5.6%		
Adams Resources & Energy, Inc.	482	12,619
Antero Midstream Corp.	9,614	120,463
Antero Resources Corp. (A)	14,551	330,017
Ardmore Shipping Corp.	3,297	46,455
Berry Corp.	5,062	35,586
California Resources Corp.	5,201	284,391
Callon Petroleum Company (A)	5,698	184,615
Chesapeake Energy Corp.	854	65,707
Chord Energy Corp.	972	161,576
Civitas Resources, Inc.	486	33,233
Clean Energy Fuels Corp. (A)	20,254	77,573
CNX Resources Corp. (A)	16,589	331,780
Comstock Resources, Inc.	11,791	104,350
CONSOL Energy, Inc.	3,428	344,617
Delek US Holdings, Inc.	6,133	158,231
DHT Holdings, Inc.	15,373	150,809
Dorian LPG, Ltd.	3,417	149,904
DT Midstream, Inc.	5,659	310,113
Evolution Petroleum Corp.	1,700	9,877
FutureFuel Corp.	4,276	25,998
Green Plains, Inc. (A)	3,377	85,168
Hallador Energy Company (A)	1,635	14,453
HF Sinclair Corp.	10,648	591,709
International Seaways, Inc.	3,851	175,143
Magnolia Oil & Gas Corp., Class A	29,642	631,078
Matador Resources Company	22,980	1,306,620
Murphy Oil Corp.	10,625	453,263
NACCO Industries, Inc., Class A	700	25,550
Nordic American Tankers, Ltd.	14,173	59,527
Northern Oil and Gas, Inc.	817	30,286
Overseas Shipholding Group, Inc., Class A	5,561	29,306
Ovintiv, Inc.	1,040	45,677
PBF Energy, Inc., Class A	9,233	405,883

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Peabody Energy Corp.	9,665	\$ 235,053
Permian Resources Corp.	79,065	1,075,284
PHX Minerals, Inc.	557	1,794
Range Resources Corp.	1,941	59,084
REX American Resources Corp. (A)	1,688	79,842
Riley Exploration Permian, Inc.	491	13,375
SandRidge Energy, Inc.	3,343	45,699
Scorpio Tankers, Inc.	4,270	259,616
SFL Corp., Ltd.	10,526	118,733
Sitio Royalties Corp., Class A	914	21,488
SM Energy Company	7,412	286,993
Southwestern Energy Company (A)	39,036	255,686
Talos Energy, Inc. (A)	8,311	118,266
Teekay Corp. (A)	5,602	40,054
Teekay Tankers, Ltd., Class A	2,780	138,917
Vitesse Energy, Inc.	1,343	29,398
World Kinect Corp.	5,267	119,982
		9,690,841
		13,673,454
Financials – 21.1%		
Banks – 12.6%		
1st Source Corp.	2,362	129,792
ACNB Corp.	394	17,635
Amalgamated Financial Corp.	2,221	59,834
Amerant Bancorp, Inc.	2,770	68,059
American National Bankshares, Inc.	991	48,311
Ameris Bancorp	14,997	795,591
Ames National Corp.	500	10,670
Arrow Financial Corp.	1,150	32,131
Associated Banc-Corp.	14,499	310,134
Atlantic Union Bankshares Corp.	7,632	278,873
Axos Financial, Inc. (A)	5,257	287,032
Banc of California, Inc.	10,927	146,750
Bank of Marin Bancorp	1,851	40,759
Bank OZK	9,057	451,310
BankFinancial Corp.	2,146	22,018
BankUnited, Inc.	7,029	227,950
Bankwell Financial Group, Inc.	400	12,072
Banner Corp.	3,379	180,979
Bar Harbor Bankshares	1,690	49,618
BayCom Corp.	1,125	26,539
BCB Bancorp, Inc.	1,477	18,979
Berkshire Hills Bancorp, Inc.	4,838	120,128
Blue Foundry Bancorp (A)	912	8,819
Blue Ridge Bankshares, Inc.	682	2,066
BOK Financial Corp.	5,102	436,986
Bridgewater Bancshares, Inc. (A)	798	10,789
Brookline Bancorp, Inc.	7,292	79,556
Business First Bancshares, Inc.	1,362	33,573
Byline Bancorp, Inc.	3,345	78,808
C&F Financial Corp.	627	42,755
Cadence Bank	13,177	389,907
Cambridge Bancorp	121	8,397
Camden National Corp.	1,722	64,799
Capital City Bank Group, Inc.	1,865	54,887
Capitol Federal Financial, Inc.	11,378	73,388
Capstar Financial Holdings, Inc.	972	18,215
Carter Bankshares, Inc. (A)	1,494	22,365
Cathay General Bancorp	7,390	329,372
Central Pacific Financial Corp.	2,460	48,413
Central Valley Community Bancorp	600	13,410
Chemung Financial Corp.	723	36,005
Citizens & Northern Corp.	960	21,533
Civista Bancshares, Inc.	1,114	20,542
CNB Financial Corp.	1,562	35,286

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Colony Bankcorp, Inc.	959	\$ 12,755
Columbia Banking System, Inc.	2,066	55,121
Comerica, Inc.	6,128	342,004
Community Bank System, Inc.	4,349	226,626
Community Trust Bancorp, Inc.	1,615	70,834
ConnectOne Bancorp, Inc.	2,683	61,468
CrossFirst Bankshares, Inc. (A)	3,053	41,460
Customers Bancorp, Inc. (A)	2,568	147,968
CVB Financial Corp.	7,286	147,104
Dime Community Bankshares, Inc.	3,811	102,630
Eagle Bancorp, Inc.	2,765	83,337
Eastern Bankshares, Inc.	3,103	44,063
Enterprise Bancorp, Inc.	246	7,936
Enterprise Financial Services Corp.	3,028	135,200
Equity Bankshares, Inc., Class A	1,442	48,884
ESSA Bancorp, Inc.	897	17,958
Evans Bancorp, Inc.	380	11,981
Farmers National Banc Corp.	1,865	26,949
FB Financial Corp.	3,353	133,617
Financial Institutions, Inc.	1,481	31,545
First Bancorp (North Carolina)	3,759	139,121
First Bancorp (Puerto Rico)	16,660	274,057
First Bank	900	13,230
First Busey Corp.	4,369	108,439
First Business Financial Services, Inc.	1,366	54,777
First Commonwealth Financial Corp.	8,341	128,785
First Community Bankshares, Inc.	2,201	81,657
First Financial Bancorp	8,400	199,500
First Financial Corp.	1,432	61,619
First Financial Northwest, Inc.	1,100	14,828
First Foundation, Inc.	4,373	42,331
First Hawaiian, Inc.	9,183	209,923
First Horizon Corp.	25,469	360,641
First Internet Bancorp	777	18,796
First Interstate BancSystem, Inc., Class A	4,845	148,984
First Merchants Corp.	5,458	202,383
First Mid Bancshares, Inc.	1,570	54,416
First Northwest Bancorp	800	12,752
First Western Financial, Inc. (A)	421	8,348
Flushing Financial Corp.	2,921	48,138
FNB Corp.	25,636	353,008
FS Bancorp, Inc.	400	14,784
Fulton Financial Corp.	13,791	227,000
German American Bancorp, Inc.	1,155	37,434
Great Southern Bancorp, Inc.	1,117	66,294
Guaranty Bankshares, Inc.	693	23,299
Hancock Whitney Corp.	7,556	367,146
Hanmi Financial Corp.	3,082	59,791
HarborOne Bancorp, Inc.	4,217	50,520
Heartland Financial USA, Inc.	3,376	126,971
Heritage Commerce Corp.	5,322	52,794
Heritage Financial Corp.	2,815	60,213
Hilltop Holdings, Inc.	4,528	159,431
Home Bancorp, Inc.	902	37,893
Home BancShares, Inc.	5,517	139,746
HomeStreet, Inc.	1,802	18,561
HomeTrust Bancshares, Inc.	560	15,075
Hope Bancorp, Inc.	10,431	126,006
Horizon Bancorp, Inc.	4,654	66,599
Independent Bank Corp. (Massachusetts)	2,735	179,990
Independent Bank Corp. (Michigan)	1,806	46,992
Independent Bank Group, Inc.	3,460	176,045
International Bancshares Corp.	4,680	254,218
Investar Holding Corp.	500	7,455
Kearny Financial Corp.	6,261	56,161

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
KeyCorp	4,308	\$ 62,035
Lakeland Bancorp, Inc.	5,402	79,896
LCNB Corp.	600	9,462
Live Oak Bancshares, Inc.	752	34,216
Luther Burbank Corp. (A)	1,694	18,143
Macatawa Bank Corp.	5,091	57,426
Mercantile Bank Corp.	1,666	67,273
Metrocity Bankshares, Inc.	637	15,301
Metropolitan Bank Holding Corp. (A)	762	42,200
Mid Penn Bancorp, Inc.	1,196	29,039
Midland States Bancorp, Inc.	1,553	42,801
MidWestOne Financial Group, Inc.	1,343	36,140
MVB Financial Corp.	300	6,768
National Bank Holdings Corp., Class A	1,336	49,686
National Bankshares, Inc.	622	20,122
NBT Bancorp, Inc.	3,950	165,545
New York Community Bancorp, Inc.	39,746	406,602
Nicolet Bankshares, Inc.	928	74,685
Northeast Bank	770	42,496
Northfield Bancorp, Inc.	4,825	60,699
Northrim Bancorp, Inc.	647	37,015
Northwest Bancshares, Inc.	9,669	120,669
Norwood Financial Corp.	1,188	39,097
OceanFirst Financial Corp.	5,012	87,008
OFB Bancorp	4,124	154,568
Old National Bancorp	19,537	329,980
Old Second Bancorp, Inc.	2,721	42,012
OP Bancorp	1,000	10,950
Origin Bancorp, Inc.	1,486	52,857
Orrstown Financial Services, Inc.	500	14,750
Pacific Premier Bancorp, Inc.	7,695	224,001
Pathward Financial, Inc.	1,912	101,202
PCB Bancorp	836	15,407
Peapack-Gladstone Financial Corp.	1,625	48,458
Penns Woods Bancorp, Inc.	1,188	26,742
Peoples Bancorp, Inc.	2,883	97,330
Pinnacle Financial Partners, Inc.	9,004	785,329
Popular, Inc.	5,455	447,692
Preferred Bank	659	48,140
Premier Financial Corp.	2,871	69,191
Primis Financial Corp.	3,850	48,741
Prosperity Bankshares, Inc.	6,034	408,683
Provident Financial Holdings, Inc.	1,778	22,421
Provident Financial Services, Inc.	6,184	111,498
QCR Holdings, Inc.	1,449	84,607
RBB Bancorp	1,075	20,468
Renasant Corp.	4,994	168,198
Republic Bancorp, Inc., Class A	1,449	79,927
Riverview Bancorp, Inc.	3,925	25,120
S&T Bancorp, Inc.	3,436	114,831
Sandy Spring Bancorp, Inc.	3,344	91,091
Seacoast Banking Corp. of Florida	2,776	79,005
Shore Bancshares, Inc.	2,923	41,653
Sierra Bancorp	1,759	39,665
Simmons First National Corp., Class A	9,236	183,242
SmartFinancial, Inc.	886	21,698
South Plains Financial, Inc.	443	12,829
Southern First Bankshares, Inc. (A)	537	19,923
Southern Missouri Bancorp, Inc.	1,012	54,031
Southside Bankshares, Inc.	1,224	38,336
SouthState Corp.	4,513	381,123
Stellar Bancorp, Inc.	2,065	57,490
Synovus Financial Corp.	6,687	251,766
Territorial Bancorp, Inc.	1,722	19,200
Texas Capital Bankshares, Inc. (A)	3,434	221,939

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
The Bank of NT Butterfield & Son, Ltd.	904	\$ 28,937
The First Bancorp, Inc.	1,316	37,138
The First Bancshares, Inc.	1,916	56,196
The First of Long Island Corp.	2,386	31,591
The Hingham Institution for Savings	69	13,414
Tompkins Financial Corp.	505	30,416
Towne Bank	5,579	166,031
TriCo Bancshares	1,406	60,416
Triumph Financial, Inc. (A)	540	43,297
Trustmark Corp.	4,932	137,504
UMB Financial Corp.	1,043	87,143
United Bankshares, Inc.	7,422	278,696
United Community Banks, Inc.	6,679	195,428
Unity Bancorp, Inc.	430	12,724
Univest Financial Corp.	2,739	60,340
Valley National Bancorp	26,605	288,930
Veritex Holdings, Inc.	3,741	87,053
WaFd, Inc.	5,681	187,246
Washington Trust Bancorp, Inc.	1,035	33,513
Webster Financial Corp.	7,596	385,573
WesBanco, Inc.	5,865	183,985
Western Alliance Bancorp	537	35,329
Western New England Bancorp, Inc.	3,609	32,481
Wintrust Financial Corp.	3,511	325,645
WSFS Financial Corp.	4,396	201,908
Zions Bancorp NA	7,356	322,708
		21,814,686
Capital markets – 2.3%		
AssetMark Financial Holdings, Inc. (A)	472	14,136
Houlihan Lokey, Inc.	7,426	890,452
Invesco, Ltd.	24,463	436,420
Janus Henderson Group PLC	9,860	297,279
Jefferies Financial Group, Inc.	12,004	485,082
Oppenheimer Holdings, Inc., Class A	1,182	48,840
PJT Partners, Inc., Class A	10,411	1,060,569
Stifel Financial Corp.	8,290	573,254
StoneX Group, Inc. (A)	2,062	152,237
Virtus Investment Partners, Inc.	126	30,462
		3,988,731
Consumer finance – 1.2%		
Ally Financial, Inc.	16,381	572,025
Atlanticus Holdings Corp. (A)	505	19,528
Bread Financial Holdings, Inc.	4,838	159,364
Consumer Portfolio Services, Inc. (A)	1,066	9,988
Encore Capital Group, Inc. (A)	2,509	127,332
Enova International, Inc. (A)	3,425	189,608
EZCORP, Inc., Class A (A)	4,801	41,961
Green Dot Corp., Class A (A)	3,440	34,056
LendingClub Corp. (A)	7,056	61,669
Navient Corp.	12,275	228,561
Nelnet, Inc., Class A	2,648	233,607
Nicholas Financial, Inc. (A)	75	512
OneMain Holdings, Inc.	5,356	263,515
PRA Group, Inc. (A)	3,071	80,460
PROG Holdings, Inc. (A)	1,042	32,208
Regional Management Corp.	573	14,371
		2,068,765
Financial services – 1.8%		
Acacia Research Corp. (A)	2,172	8,514
Alerus Financial Corp.	904	20,241
A-Mark Precious Metals, Inc.	1,892	57,233
BM Technologies, Inc. (A)	367	752
California First Leasing Corp. (A)	278	4,657
Cannae Holdings, Inc. (A)	798	15,569

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
Essent Group, Ltd.	3,487	\$ 183,904
Federal Agricultural Mortgage Corp., Class C	694	132,707
Flywire Corp. (A)	34,784	805,250
Jackson Financial, Inc., Class A	5,691	291,379
Merchants Bancorp	1,376	58,590
MGIC Investment Corp.	17,269	333,119
Mr. Cooper Group, Inc. (A)	3,087	201,025
NCR Atleos Corp. (A)	382	9,279
NMI Holdings, Inc., Class A (A)	5,822	172,797
Ocwen Financial Corp. (A)	315	9,689
Paysafe, Ltd. (A)	1,393	17,816
PennyMac Financial Services, Inc.	3,720	328,736
Radian Group, Inc.	10,338	295,150
TrustCo Bank Corp. NY	1,826	56,697
Walker & Dunlop, Inc.	615	68,271
Waterstone Financial, Inc.	3,099	44,006
		3,115,381
Insurance – 3.2%		
Ambac Financial Group, Inc. (A)	3,281	54,071
American Equity Investment Life Holding Company (A)	7,384	412,027
Assured Guaranty, Ltd.	5,779	432,443
Axis Capital Holdings, Ltd.	5,166	286,041
Brighthouse Financial, Inc. (A)	5,409	286,244
CNO Financial Group, Inc.	9,319	260,000
Donegal Group, Inc., Class A	2,876	40,235
Employers Holdings, Inc.	2,283	89,950
Enstar Group, Ltd. (A)	1,090	320,842
F&G Annuities & Life, Inc.	192	8,832
Fidelity National Financial, Inc.	3,472	177,141
First American Financial Corp.	4,838	311,761
Genworth Financial, Inc., Class A (A)	36,213	241,903
Greenlight Capital Re, Ltd., Class A (A)	2,616	29,875
Heritage Insurance Holdings, Inc. (A)	657	4,284
Horace Mann Educators Corp.	3,303	108,008
Investors Title Company	189	30,644
James River Group Holdings, Ltd.	2,157	19,931
Kemper Corp.	4,019	195,605
MBIA, Inc. (A)	1,892	11,579
Mercury General Corp.	4,889	182,409
National Western Life Group, Inc., Class A	221	106,747
Old Republic International Corp.	15,344	451,114
Oscar Health, Inc., Class A (A)	6,663	60,966
ProAssurance Corp.	4,655	64,192
Reinsurance Group of America, Inc.	80	12,942
Safety Insurance Group, Inc.	612	46,506
SiriusPoint, Ltd. (A)	10,334	119,874
Stewart Information Services Corp.	1,817	106,749
Tiptree, Inc.	3,689	69,943
United Fire Group, Inc.	1,897	38,168
Universal Insurance Holdings, Inc.	3,287	52,526
Unum Group	10,883	492,129
White Mountains Insurance Group, Ltd.	205	308,527
		5,434,208
		36,421,771
Health care – 11.2%		
Biotechnology – 3.3%		
Achillion Pharmaceuticals, Inc. (A)(B)	10,940	16,623
Agios Pharmaceuticals, Inc. (A)	6,006	133,754
Allogene Therapeutics, Inc. (A)	4,442	14,259
Anika Therapeutics, Inc. (A)	1,585	35,916
Arcturus Therapeutics Holdings, Inc. (A)	790	24,909
Arcus Biosciences, Inc. (A)	3,846	73,459

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Arcutis Biotherapeutics, Inc. (A)	29,260	\$ 94,510
Avidity Biosciences, Inc. (A)	2,235	20,227
BioCryst Pharmaceuticals, Inc. (A)	63,283	379,065
Crinetics Pharmaceuticals, Inc. (A)	22,475	799,661
Dynavax Technologies Corp. (A)	6,329	88,479
Eagle Pharmaceuticals, Inc. (A)	585	3,060
Editas Medicine, Inc. (A)	3,778	38,271
Emergent BioSolutions, Inc. (A)	2,676	6,422
Generation Bio Company (A)	4,046	6,676
Halozyne Therapeutics, Inc. (A)	16,085	594,502
Insmmed, Inc. (A)	25,525	791,020
Ironwood Pharmaceuticals, Inc. (A)	5,628	64,384
iTeos Therapeutics, Inc. (A)	1,538	16,841
Kodiak Sciences, Inc. (A)	1,185	3,602
Kura Oncology, Inc. (A)	3,536	50,848
Myriad Genetics, Inc. (A)	5,783	110,687
Nurix Therapeutics, Inc. (A)	1,884	19,443
PDL BioPharma, Inc. (A)(B)	5,434	4,402
REGENXBIO, Inc. (A)	1,693	30,389
Sage Therapeutics, Inc. (A)	2,666	57,772
Sutro Biopharma, Inc. (A)	1,765	7,572
Traverse Therapeutics, Inc. (A)	28,187	253,401
Ultragenyx Pharmaceutical, Inc. (A)	11,635	556,386
Vanda Pharmaceuticals, Inc. (A)	4,716	19,902
VeracYTE, Inc. (A)	25,404	698,864
Vericel Corp. (A)	20,807	740,937
Xencor, Inc. (A)	1,408	29,892
		5,786,135
Health care equipment and supplies – 1.9%		
AngioDynamics, Inc. (A)	3,198	25,072
Artivion, Inc. (A)	20,452	365,682
AtriCure, Inc. (A)	11,403	406,973
Avanos Medical, Inc. (A)	4,440	99,589
Enovis Corp. (A)	5,061	283,517
Envista Holdings Corp. (A)	10,702	257,490
FONAR Corp. (A)	463	9,056
Globus Medical, Inc., Class A (A)	11,210	597,381
ICU Medical, Inc. (A)	2,253	224,714
Inogen, Inc. (A)	1,678	9,212
Integer Holdings Corp. (A)	2,433	241,062
Integra LifeSciences Holdings Corp. (A)	9,568	416,686
Kewaunee Scientific Corp. (A)	83	2,413
LENSAR, Inc. (A)	783	2,748
LivaNova PLC (A)	1,624	84,026
Omniceil, Inc. (A)	344	12,945
OraSure Technologies, Inc. (A)	4,040	33,128
Orthofix Medical, Inc. (A)	2,161	29,130
QuidelOrtho Corp. (A)	511	37,661
Tactile Systems Technology, Inc. (A)	1,515	21,665
Utah Medical Products, Inc.	289	24,340
Varex Imaging Corp. (A)	4,007	82,144
		3,266,634
Health care providers and services – 2.5%		
Acadia Healthcare Company, Inc. (A)	12,859	999,916
AdaptHealth Corp. (A)	1,098	8,004
Addus HomeCare Corp. (A)	1,766	163,973
Agiliti, Inc. (A)	3,789	30,009
Amedisys, Inc. (A)	2,199	209,037
Brookdale Senior Living, Inc. (A)	14,458	84,146
Castle Biosciences, Inc. (A)	726	15,667
Cross Country Healthcare, Inc. (A)	3,819	86,462
Enhabit, Inc. (A)	1,091	11,292
Fulgent Genetics, Inc. (A)	2,388	69,037
HealthEquity, Inc. (A)	9,622	637,939
National HealthCare Corp.	1,428	131,976

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
NeoGenomics, Inc. (A)	4,116	\$ 66,597
OPKO Health, Inc. (A)	8,398	12,681
Owens & Minor, Inc. (A)	4,990	96,157
Patterson Companies, Inc.	7,120	202,564
Pediatrix Medical Group, Inc. (A)	5,689	52,908
PetIQ, Inc. (A)	1,147	22,653
Premier, Inc., Class A	7,830	175,079
Select Medical Holdings Corp.	1,202	28,247
Universal Health Services, Inc., Class B	3,078	469,210
US Physical Therapy, Inc.	7,669	714,291
		4,287,845
Health care technology – 0.2%		
American Well Corp., Class A (A)	9,568	14,256
Certara, Inc. (A)	5,777	101,617
Computer Programs and Systems, Inc. (A)	1,067	11,950
Health Catalyst, Inc. (A)	2,468	22,854
HealthStream, Inc.	1,969	53,222
Teladoc Health, Inc. (A)	4,790	103,225
Veradigm, Inc. (A)	11,365	119,219
		426,343
Life sciences tools and services – 1.5%		
Azenta, Inc. (A)	16,895	1,100,540
Bio-Rad Laboratories, Inc., Class A (A)	415	133,999
CryoPort, Inc. (A)	16,035	248,382
Harvard Bioscience, Inc. (A)	5,200	27,820
MaxCyte, Inc. (A)	3,699	17,385
Medpace Holdings, Inc. (A)	2,697	826,711
Mesa Laboratories, Inc.	169	17,706
OmniAb, Inc. (A)	3,101	19,133
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	2,407
Revvity, Inc.	1,084	118,492
Seer, Inc. (A)	2,095	4,064
		2,516,639
Pharmaceuticals – 1.8%		
ANI Pharmaceuticals, Inc. (A)	800	44,112
Catalent, Inc. (A)	2,622	117,806
Cumberland Pharmaceuticals, Inc. (A)	956	1,663
Elanco Animal Health, Inc. (A)	25,815	384,644
Innoviva, Inc. (A)	7,202	115,520
Intra-Cellular Therapies, Inc. (A)	11,492	823,057
Ligand Pharmaceuticals, Inc. (A)	1,301	92,917
Nektar Therapeutics (A)	10,585	5,981
Organon & Company	695	10,022
Perrigo Company PLC	9,542	307,062
Phathom Pharmaceuticals, Inc. (A)	27,156	247,934
Phibro Animal Health Corp., Class A	1,429	16,548
Prestige Consumer Healthcare, Inc. (A)	2,877	176,130
Supernus Pharmaceuticals, Inc. (A)	20,207	584,791
Taro Pharmaceutical Industries, Ltd. (A)	1,003	41,905
Viatis, Inc.	6,813	73,785
		3,043,877
		19,327,473
Industrials – 18.3%		
Aerospace and defense – 1.1%		
AAR Corp. (A)	3,353	209,227
AerSale Corp. (A)	635	8,061
Astronics Corp. (A)	1,700	29,614
Ducommun, Inc. (A)	1,245	64,815
Hexcel Corp.	12,495	921,506

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Aerospace and defense (continued)		
Kaman Corp.	1,770	\$ 42,392
Kratos Defense & Security Solutions, Inc. (A)	3,850	78,117
Mercury Systems, Inc. (A)	3,577	130,811
Moog, Inc., Class A	1,548	224,119
National Presto Industries, Inc.	644	51,700
Park Aerospace Corp.	2,083	30,620
SIFCO Industries, Inc. (A)	1,000	4,540
V2X, Inc. (A)	1,029	47,787
		1,843,309
Air freight and logistics – 0.2%		
Air Transport Services Group, Inc. (A)	7,279	128,183
Hub Group, Inc., Class A (A)	2,418	222,311
Radiant Logistics, Inc. (A)	3,764	24,993
		375,487
Building products – 1.7%		
American Woodmark Corp. (A)	1,615	149,953
Apogee Enterprises, Inc.	2,178	116,327
AZZ, Inc.	1,376	79,932
Gibraltar Industries, Inc. (A)	14,051	1,109,748
Hayward Holdings, Inc. (A)	2,363	32,137
Insteel Industries, Inc.	1,689	64,672
JELD-WEN Holding, Inc. (A)	4,097	77,351
Masonite International Corp. (A)	1,126	95,327
Masterbrand, Inc. (A)	1,555	23,092
Owens Corning	1,092	161,867
PGT Innovations, Inc. (A)	2,765	112,536
Quanex Building Products Corp.	3,929	120,110
Resideo Technologies, Inc. (A)	11,229	211,330
UFP Industries, Inc.	3,823	479,978
		2,834,360
Commercial services and supplies – 0.9%		
ABM Industries, Inc.	5,899	264,452
ACCO Brands Corp.	8,323	50,604
Acme United Corp.	733	31,416
Brady Corp., Class A	3,025	177,537
BrightView Holdings, Inc. (A)	8,669	72,993
CECO Environmental Corp. (A)	3,081	62,483
Civeo Corp.	673	15,378
Deluxe Corp.	3,291	70,592
Ennis, Inc.	2,608	57,141
Enviri Corp. (A)	7,551	67,959
Healthcare Services Group, Inc. (A)	2,180	22,607
HNI Corp.	1,894	79,226
Interface, Inc.	2,884	36,396
Matthews International Corp., Class A	2,517	92,248
MillerKnoll, Inc.	1,587	42,341
NL Industries, Inc.	3,260	18,289
OPENLANE, Inc. (A)	8,224	121,797
Steelcase, Inc., Class A	6,532	88,313
UniFirst Corp.	667	122,001
Virco Manufacturing Corp.	1,200	14,436
VSE Corp.	1,368	88,386
		1,596,595
Construction and engineering – 1.1%		
API Group Corp. (A)	3,732	129,127
Arcosa, Inc.	4,464	368,905
Argan, Inc.	1,446	67,658
Cadeler A/S, ADR (A)	947	17,425
Concrete Pumping Holdings, Inc. (A)	1,800	14,760
Dycom Industries, Inc. (A)	1,171	134,770
Fluor Corp. (A)	3,410	133,570
Granite Construction, Inc.	3,746	190,522
Great Lakes Dredge & Dock Corp. (A)	6,888	52,900

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
IES Holdings, Inc. (A)	1,180	\$ 93,480
MasTec, Inc. (A)	1,220	92,378
Matrix Service Company (A)	2,731	26,709
MDU Resources Group, Inc.	8,560	169,488
Northwest Pipe Company (A)	1,306	39,520
Orion Group Holdings, Inc. (A)	4,263	21,059
Primoris Services Corp.	4,151	137,855
Sterling Infrastructure, Inc. (A)	2,528	222,287
Tutor Perini Corp. (A)	4,167	37,920
		1,950,333
Electrical equipment – 2.0%		
Allient, Inc.	300	9,063
American Superconductor Corp. (A)	1,655	18,437
Atkore, Inc. (A)	8,415	1,346,400
Encore Wire Corp.	1,762	376,363
EnerSys	1,533	154,772
LSI Industries, Inc.	4,131	58,164
Powell Industries, Inc.	1,244	109,970
Preformed Line Products Company	492	65,859
Regal Rexnord Corp.	3,332	493,203
Sensata Technologies Holding PLC	3,072	115,415
Shoals Technologies Group, Inc., Class A (A)	32,085	498,601
Sunrun, Inc. (A)	2,009	39,437
Thermon Group Holdings, Inc. (A)	3,483	113,441
Ultralife Corp. (A)	1,984	13,531
		3,412,656
Ground transportation – 1.2%		
ArcBest Corp.	2,462	295,957
Covenant Logistics Group, Inc.	1,513	69,659
Heartland Express, Inc.	4,107	58,566
Hertz Global Holdings, Inc. (A)	1,310	13,611
Knight-Swift Transportation Holdings, Inc.	8,340	480,801
Marten Transport, Ltd.	6,368	133,601
PAM Transportation Services, Inc. (A)	2,085	43,326
Ryder System, Inc.	3,393	390,399
Schneider National, Inc., Class B	3,459	88,032
U-Haul Holding Company, Series N	3,519	247,878
Universal Logistics Holdings, Inc.	600	16,812
Werner Enterprises, Inc.	4,155	176,047
		2,014,689
Machinery – 4.6%		
3D Systems Corp. (A)	5,104	32,410
AGCO Corp.	2,746	333,392
Alamo Group, Inc.	5,243	1,102,026
Albany International Corp., Class A	743	72,977
Astec Industries, Inc.	2,415	89,838
Barnes Group, Inc.	4,989	162,791
Columbus McKinnon Corp.	2,178	84,986
Commercial Vehicle Group, Inc. (A)	2,492	17,469
Enpro, Inc.	1,502	235,423
Esab Corp.	2,502	216,723
ESCO Technologies, Inc.	1,885	220,602
Flowserve Corp.	699	28,813
Gates Industrial Corp. PLC (A)	18,170	243,841
Gencor Industries, Inc. (A)	2,100	33,894
Graham Corp. (A)	333	6,317
Helios Technologies, Inc.	1,138	51,608
Hillenbrand, Inc.	15,814	756,700
Hurco Companies, Inc.	1,054	22,693
Hyster-Yale Materials Handling, Inc.	466	28,981
Kennametal, Inc.	6,313	162,812
LB Foster Company, Class A (A)	1,699	37,361
Luxfer Holdings PLC	633	5,659

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Mayville Engineering Company, Inc. (A)	1,096	\$ 15,804
Miller Industries, Inc.	1,434	60,644
Mueller Industries, Inc.	4,486	211,515
Mueller Water Products, Inc., Class A	2,340	33,696
NN, Inc. (A)	2,376	9,504
Oshkosh Corp.	1,276	138,331
Park-Ohio Holdings Corp.	749	20,193
Perma-Pipe International Holdings, Inc. (A)	1,100	8,569
Proto Labs, Inc. (A)	1,588	61,868
RBC Bearings, Inc. (A)	4,030	1,148,107
REV Group, Inc.	5,224	94,920
SPX Technologies, Inc. (A)	11,930	1,205,048
Standex International Corp.	310	49,098
Stratasys, Ltd. (A)	1,753	25,033
Tennant Company	694	64,327
Terex Corp.	1,393	80,042
The Eastern Company	1,471	32,362
The Gorman-Rupp Company	1,454	51,661
The Greenbrier Companies, Inc.	2,830	125,029
The LS Starrett Company, Class A (A)	1,530	18,513
The Manitowoc Company, Inc. (A)	3,343	55,795
The Timken Company	2,055	164,708
Titan International, Inc. (A)	3,936	58,568
Trinity Industries, Inc.	7,997	212,640
Twin Disc, Inc.	1,650	26,664
Wabash National Corp.	1,980	50,728
		7,970,683
Marine transportation – 0.4%		
Costamare, Inc.	9,592	99,853
Eagle Bulk Shipping, Inc.	1,293	71,632
Genco Shipping & Trading, Ltd.	4,550	75,485
Kirby Corp. (A)	2,302	180,661
Matson, Inc.	2,868	314,333
Pangaea Logistics Solutions, Ltd.	1,768	14,568
		756,532
Passenger airlines – 0.6%		
Alaska Air Group, Inc. (A)	10,508	410,548
Allegiant Travel Company	1,247	103,015
Copa Holdings SA, Class A	905	96,211
Hawaiian Holdings, Inc. (A)	3,931	55,820
JetBlue Airways Corp. (A)	22,528	125,030
SkyWest, Inc. (A)	3,644	190,217
Spirit Airlines, Inc.	5,129	84,064
		1,064,905
Professional services – 2.3%		
Alight, Inc., Class A (A)	1,576	13,443
Asure Software, Inc. (A)	1,391	13,242
BGSF, Inc.	800	7,520
CACI International, Inc., Class A (A)	2,413	781,474
CBIZ, Inc. (A)	1,602	100,269
Clarivate PLC (A)	23,109	213,989
Concentrix Corp.	1,811	177,858
Conduent, Inc. (A)	14,444	52,721
Dun & Bradstreet Holdings, Inc.	7,293	85,328
Exponent, Inc.	8,740	769,470
First Advantage Corp.	1,878	31,118
Heidrick & Struggles International, Inc.	1,672	49,374
Huron Consulting Group, Inc. (A)	1,411	145,051
ICF International, Inc.	1,429	191,615
Kelly Services, Inc., Class A	3,287	71,065
Korn Ferry	3,492	207,250
ManpowerGroup, Inc.	1,014	80,583
Mistras Group, Inc. (A)	2,232	16,338
NV5 Global, Inc. (A)	533	59,227

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Parsons Corp. (A)	721	\$ 45,214
Paycor HCM, Inc. (A)	33,179	716,335
Resources Connection, Inc.	4,120	58,380
TrueBlue, Inc. (A)	3,219	49,379
Willdan Group, Inc. (A)	400	8,600
		3,944,843
Trading companies and distributors – 2.2%		
Air Lease Corp.	8,638	362,278
BlueLinX Holdings, Inc. (A)	893	101,186
Boise Cascade Company	3,470	448,879
Distribution Solutions Group, Inc. (A)	1,306	41,217
DXP Enterprises, Inc. (A)	1,767	59,548
GATX Corp.	1,451	174,439
GMS, Inc. (A)	1,599	131,806
Herc Holdings, Inc.	249	37,074
Hudson Technologies, Inc. (A)	2,645	35,681
McGrath RentCorp	1,288	154,071
MRC Global, Inc. (A)	2,745	30,222
NOW, Inc. (A)	7,656	86,666
Rush Enterprises, Inc., Class A	5,371	270,161
Rush Enterprises, Inc., Class B	1,675	88,742
SiteOne Landscape Supply, Inc. (A)	6,586	1,070,225
Textainer Group Holdings, Ltd.	3,510	172,692
Titan Machinery, Inc. (A)	2,366	68,330
WESCO International, Inc.	2,696	468,780
Willis Lease Finance Corp. (A)	406	19,845
		3,821,842
		31,586,234
Information technology – 11.0%		
Communications equipment – 0.7%		
Aviat Networks, Inc. (A)	829	27,075
Comtech Telecommunications Corp.	2,706	22,812
Digi International, Inc. (A)	4,035	104,910
Juniper Networks, Inc.	6,436	189,733
KVH Industries, Inc. (A)	910	4,787
NETGEAR, Inc. (A)	3,326	48,493
NetScout Systems, Inc. (A)	5,946	130,515
Optical Cable Corp. (A)	931	2,514
Ribbon Communications, Inc. (A)	8,541	24,769
Viasat, Inc. (A)	5,154	144,054
Viavi Solutions, Inc. (A)	52,407	527,738
		1,227,400
Electronic equipment, instruments and components – 3.6%		
Arrow Electronics, Inc. (A)	5,768	705,138
Avnet, Inc.	9,371	472,298
Bel Fuse, Inc., Class B	1,641	109,570
Belden, Inc.	3,100	239,475
Benchmark Electronics, Inc.	3,813	105,391
Climb Global Solutions, Inc.	314	17,217
Coherent Corp. (A)	6,009	261,572
CTS Corp.	3,299	144,298
Daktronics, Inc. (A)	3,929	33,318
ePlus, Inc. (A)	1,924	153,612
Fabrinet (A)	507	96,497
FARO Technologies, Inc. (A)	684	15,411
Frequency Electronics, Inc.	1,783	19,524
Itron, Inc. (A)	2,223	167,859
Key Tronic Corp. (A)	1,900	8,208
Kimball Electronics, Inc. (A)	3,036	81,820
Knowles Corp. (A)	7,107	127,286
Methode Electronics, Inc.	2,971	67,531
Mirion Technologies, Inc. (A)	1,282	13,141
Novanta, Inc. (A)	7,224	1,216,594
OSI Systems, Inc. (A)	1,091	140,794

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
PC Connection, Inc.	2,391	\$ 160,699
Plexus Corp. (A)	2,005	216,801
RF Industries, Ltd. (A)	120	365
Richardson Electronics, Ltd.	1,461	19,504
Rogers Corp. (A)	1,273	168,125
Sanmina Corp. (A)	4,939	253,716
ScanSource, Inc. (A)	2,542	100,689
TD SYNEX Corp.	5,083	546,982
TTM Technologies, Inc. (A)	10,649	168,361
Vishay Intertechnology, Inc.	10,499	251,661
Vishay Precision Group, Inc. (A)	1,686	57,442
		6,140,899
IT services – 0.6%		
Brightcove, Inc. (A)	2,443	6,327
DXC Technology Company (A)	15,631	357,481
Fastly, Inc., Class A (A)	4,758	84,692
Information Services Group, Inc.	4,400	20,724
Kyndryl Holdings, Inc. (A)	8,375	174,033
Thoughtworks Holding, Inc. (A)	80,115	385,353
		1,028,610
Semiconductors and semiconductor equipment – 3.1%		
Allegro MicroSystems, Inc. (A)	17,229	521,522
Alpha & Omega Semiconductor, Ltd. (A)	2,746	71,561
Amkor Technology, Inc.	19,278	641,379
Amtech Systems, Inc. (A)	2,404	10,097
AXT, Inc. (A)	4,229	10,150
CEVA, Inc. (A)	1,976	44,875
Cohu, Inc. (A)	4,842	171,358
Diodes, Inc. (A)	2,678	215,633
FormFactor, Inc. (A)	4,086	170,427
Ichor Holdings, Ltd. (A)	2,659	89,422
Kulicke & Soffa Industries, Inc.	4,804	262,875
MACOM Technology Solutions Holdings, Inc. (A)	10,006	930,058
Magnachip Semiconductor Corp. (A)	2,526	18,945
MaxLinear, Inc. (A)	981	23,318
Onto Innovation, Inc. (A)	1,755	268,340
Photronics, Inc. (A)	5,882	184,518
Power Integrations, Inc.	8,079	663,367
Silicon Laboratories, Inc. (A)	6,022	796,530
Ultra Clean Holdings, Inc. (A)	3,668	125,226
Veeco Instruments, Inc. (A)	2,996	92,966
		5,312,567
Software – 2.9%		
ACI Worldwide, Inc. (A)	9,923	303,644
Appfolio, Inc., Class A (A)	4,382	759,138
Aware, Inc. (A)	2,160	3,586
Cerence, Inc. (A)	2,239	44,019
CleanSpark, Inc. (A)	5,547	61,183
Cognyte Software, Ltd. (A)	402	2,585
Consensus Cloud Solutions, Inc. (A)	218	5,714
CyberArk Software, Ltd. (A)	5,668	1,241,575
Digital Turbine, Inc. (A)	2,201	15,099
E2open Parent Holdings, Inc. (A)	4,078	17,902
Intapp, Inc. (A)	25,628	974,377
LiveRamp Holdings, Inc. (A)	1,737	65,798
Matterport, Inc. (A)	13,199	35,505
Mitek Systems, Inc. (A)	1,915	24,972
NCR Voyix Corp. (A)	765	12,936
Olo, Inc., Class A (A)	2,125	12,155
ON24, Inc.	2,666	21,008
OneSpan, Inc. (A)	1,048	11,235
Rapid7, Inc. (A)	7,021	400,899

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Riot Platforms, Inc. (A)	2,487	\$ 38,474
SecureWorks Corp., Class A (A)	1,000	7,380
SolarWinds Corp. (A)	12,240	152,878
The Descartes Systems Group, Inc. (A)	9,738	818,576
Upland Software, Inc. (A)	1,064	4,501
Verint Systems, Inc. (A)	1,067	28,841
Xperi, Inc. (A)	1,943	21,412
		5,085,392
Technology hardware, storage and peripherals – 0.1%		
AstroNova, Inc. (A)	1,439	23,398
Xerox Holdings Corp.	12,185	223,351
		246,749
		19,041,617
Materials – 7.0%		
Chemicals – 3.0%		
AdvanSix, Inc.	2,405	72,054
Alto Ingredients, Inc. (A)	3,300	8,778
American Vanguard Corp.	2,933	32,175
Ashland, Inc.	4,068	342,973
Avient Corp.	22,480	934,494
Balchem Corp.	4,841	720,099
Core Molding Technologies, Inc. (A)	1,000	18,530
Eastman Chemical Company	469	42,126
Ecovyst, Inc. (A)	9,373	91,574
Element Solutions, Inc.	6,015	139,187
Hawkins, Inc.	1,460	102,813
HB Fuller Company	2,731	222,331
Huntsman Corp.	15,185	381,599
Innospec, Inc.	1,890	232,924
Intrepid Potash, Inc. (A)	1,117	26,685
Koppers Holdings, Inc.	1,694	86,767
Kronos Worldwide, Inc.	3,820	37,971
Livent Corp. (A)	525	9,440
LSB Industries, Inc. (A)	3,748	34,894
Mativ Holdings, Inc.	4,760	72,876
Minerals Technologies, Inc.	2,720	193,963
Olin Corp.	3,401	183,484
Perimeter Solutions SA (A)	1,880	8,648
Quaker Chemical Corp.	3,687	786,880
Rayonier Advanced Materials, Inc. (A)	4,555	18,448
Sensient Technologies Corp.	269	17,754
Stepan Company	1,794	169,623
The Mosaic Company	1,004	35,873
Tronox Holdings PLC	13,420	190,027
		5,214,990
Construction materials – 0.3%		
Knife River Corp. (A)	1,752	115,947
Summit Materials, Inc., Class A (A)	5,752	221,222
United States Lime & Minerals, Inc.	589	135,676
		472,845
Containers and packaging – 0.9%		
Berry Global Group, Inc.	7,897	532,179
Greif, Inc., Class A	1,784	117,013
Greif, Inc., Class B	913	60,267
Myers Industries, Inc.	617	12,062
O-I Glass, Inc. (A)	7,974	130,614
Pactiv Evergreen, Inc.	3,705	50,796
Ranpak Holdings Corp. (A)	1,842	10,720
Silgan Holdings, Inc.	506	22,897
Sonoco Products Company	1,332	74,419
TriMas Corp.	1,856	47,012

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Containers and packaging (continued)		
Westrock Company	13,906	\$ 577,377
		1,635,356
Metals and mining – 2.7%		
Alcoa Corp.	13,696	465,664
Alpha Metallurgical Resources, Inc.	1,110	376,201
Ampco-Pittsburgh Corp. (A)	1,644	4,488
Arch Resources, Inc.	1,503	249,408
Ascent Industries Company (A)	2,209	21,118
Carpenter Technology Corp.	4,715	333,822
Century Aluminum Company (A)	4,406	53,489
Cleveland-Cliffs, Inc. (A)	28,008	571,923
Coeur Mining, Inc. (A)	26,119	85,148
Commercial Metals Company	8,423	421,487
Compass Minerals International, Inc.	1,647	41,702
Friedman Industries, Inc.	1,511	23,360
Haynes International, Inc.	1,127	64,295
Hecla Mining Company	42,155	202,766
Materion Corp.	1,721	223,954
MP Materials Corp. (A)	2,290	45,457
Nexa Resources SA	900	6,426
Olympic Steel, Inc.	1,438	95,915
Ryerson Holding Corp.	2,583	89,578
Schnitzer Steel Industries, Inc., Class A	3,077	92,802
SunCoke Energy, Inc.	6,433	69,090
TimkenSteel Corp. (A)	3,682	86,343
Tredegar Corp.	1,654	8,948
U.S. Steel Corp.	13,527	658,089
Universal Stainless & Alloy Products, Inc. (A)	1,562	31,365
Warrior Met Coal, Inc.	3,785	230,771
Worthington Steel, Inc. (A)	3,451	96,973
		4,650,582
Paper and forest products – 0.1%		
Clearwater Paper Corp. (A)	1,597	57,684
Glatfelter Corp. (A)	4,610	8,943
Mercer International, Inc.	7,458	70,702
Resolute Forest Products, Inc. (A)(B)	7,541	10,708
Sylvamo Corp.	300	14,733
		162,770
		12,136,543
Real estate – 1.7%		
Hotel and resort REITs – 0.4%		
Ryman Hospitality Properties, Inc.	6,517	717,261
Industrial REITs – 0.4%		
STAG Industrial, Inc.	17,947	704,599
Real estate management and development – 0.9%		
Anywhere Real Estate, Inc. (A)	9,125	74,004
Cushman & Wakefield PLC (A)	14,309	154,537
Douglas Elliman, Inc.	6,219	18,346
Five Point Holdings LLC, Class A (A)	2,659	8,163
Forestar Group, Inc. (A)	2,613	86,412
FRP Holdings, Inc. (A)	931	58,541
Howard Hughes Holdings, Inc. (A)	3,339	285,651
Jones Lang LaSalle, Inc. (A)	2,430	458,954
Kennedy-Wilson Holdings, Inc.	9,598	118,823
Marcus & Millichap, Inc.	2,984	130,341
Newmark Group, Inc., Class A	7,419	81,312
Rafael Holdings, Inc., Class B (A)	500	915
RE/MAX Holdings, Inc., Class A	2,193	29,233
Stratus Properties, Inc. (A)	1,025	29,582
Tejon Ranch Company (A)	2,396	41,211
		1,576,025
		2,997,885

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Utilities – 0.3%		
Electric utilities – 0.1%		
Genie Energy, Ltd., B Shares	1,000	\$ 28,130
NRG Energy, Inc.	1,467	75,844
		103,974
Gas utilities – 0.1%		
New Jersey Resources Corp.	3,121	139,134
Independent power and renewable electricity producers – 0.1%		
Brookfield Renewable Corp., Class A	508	14,625
Ormat Technologies, Inc.	502	38,047
Sunnova Energy International, Inc. (A)	7,526	114,772
		167,444
		410,552
TOTAL COMMON STOCKS (Cost \$140,066,759)		\$ 170,523,133
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	39,815
TOTAL PREFERRED SECURITIES (Cost \$37,663)		\$ 39,815
SHORT-TERM INVESTMENTS – 1.5%		
Short-term funds – 1.5%		
State Street Institutional Treasury Money Market Fund, Premier Class, 5.2676% (C)	2,262,285	2,262,285
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (C)	392,066	392,066
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,654,351)		\$ 2,654,351
Total Investments (Small Cap Opportunities Trust) (Cost \$142,758,773) – 100.2%		\$ 173,217,299
Other assets and liabilities, net – (0.2%)		(328,771)
TOTAL NET ASSETS – 100.0%		\$ 172,888,528

Security Abbreviations and Legend

ADR	American Depositary Receipt
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)	The rate shown is the annualized seven-day yield as of 12-31-23.

Small Cap Stock Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.4%		
Communication services – 3.5%		
Interactive media and services – 2.7%		
CarGurus, Inc. (A)	87,414	\$ 2,111,922
Eventbrite, Inc., Class A (A)	329,654	2,755,907
Ziff Davis, Inc. (A)	40,277	2,706,212
		7,574,041
Media – 0.8%		
Criteo SA, ADR (A)	81,970	2,075,480
		9,649,521

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer discretionary – 12.5%		
Automobile components – 0.9%		
Visteon Corp. (A)	19,376	\$ 2,420,062
Broadline retail – 0.9%		
Global-e Online, Ltd. (A)	65,106	2,580,151
Diversified consumer services – 2.8%		
Duolingo, Inc. (A)	11,343	2,573,160
European Wax Center, Inc., Class A (A)	98,612	1,340,137
H&R Block, Inc.	70,798	3,424,499
WW International, Inc. (A)	64,898	567,858
		7,905,654
Hotels, restaurants and leisure – 3.6%		
Boyd Gaming Corp.	54,809	3,431,591
Wingstop, Inc.	25,937	6,654,915
		10,086,506
Household durables – 1.6%		
Skyline Champion Corp. (A)	58,351	4,333,145
Leisure products – 1.0%		
YETI Holdings, Inc. (A)	55,796	2,889,117
Specialty retail – 0.7%		
Boot Barn Holdings, Inc. (A)	24,834	1,906,258
Textiles, apparel and luxury goods – 1.0%		
Crocs, Inc. (A)	28,251	2,638,926
		34,759,819
Consumer staples – 4.7%		
Beverages – 1.6%		
Celsius Holdings, Inc. (A)	79,788	4,350,042
Food products – 0.8%		
TreeHouse Foods, Inc. (A)	56,253	2,331,687
Personal care products – 2.3%		
e.l.f. Beauty, Inc. (A)	44,861	6,475,237
		13,156,966
Energy – 5.0%		
Energy equipment and services – 2.3%		
Cactus, Inc., Class A	81,510	3,700,554
Seadrill, Ltd. (A)	56,947	2,692,454
		6,393,008
Oil, gas and consumable fuels – 2.7%		
Chord Energy Corp.	19,853	3,300,164
Viper Energy, Inc.	136,157	4,272,607
		7,572,771
		13,965,779
Financials – 4.5%		
Banks – 1.1%		
Cadence Bank	98,686	2,920,119
Capital markets – 1.3%		
PJT Partners, Inc., Class A	34,479	3,512,376
Insurance – 1.0%		
SiriusPoint, Ltd. (A)	251,675	2,919,430
Mortgage real estate investment trusts – 1.1%		
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	111,487	3,074,811
		12,426,736
Health care – 23.0%		
Biotechnology – 10.6%		
Akero Therapeutics, Inc. (A)	17,544	409,652
Amicus Therapeutics, Inc. (A)	98,678	1,400,241
Apellis Pharmaceuticals, Inc. (A)	27,992	1,675,601
Ascendis Pharma A/S, ADR (A)	6,327	796,886
Blueprint Medicines Corp. (A)	23,351	2,153,896

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Celldex Therapeutics, Inc. (A)	50,439	\$ 2,000,411
Crinetics Pharmaceuticals, Inc. (A)	54,304	1,932,136
Cytokinetics, Inc. (A)	32,933	2,749,576
Immatics NV (A)	105,820	1,114,285
Immunocore Holdings PLC, ADR (A)	23,664	1,616,724
ImmunoGen, Inc. (A)	40,749	1,208,208
Intellia Therapeutics, Inc. (A)	27,226	830,121
Kymera Therapeutics, Inc. (A)	26,811	682,608
Merus NV (A)	33,703	926,833
Morphic Holding, Inc. (A)	24,022	693,755
Prothena Corp. PLC (A)	17,225	625,957
PTC Therapeutics, Inc. (A)	32,830	904,795
REVOLUTION Medicines, Inc. (A)	38,387	1,100,939
Rocket Pharmaceuticals, Inc. (A)	90,278	2,705,632
Syndax Pharmaceuticals, Inc. (A)	73,139	1,580,534
Vaxcyte, Inc. (A)	39,034	2,451,335
		29,560,125
Health care equipment and supplies – 7.7%		
Glaukos Corp. (A)	38,793	3,083,656
Haemonetics Corp. (A)	47,765	4,084,385
Inari Medical, Inc. (A)	46,224	3,000,862
Inspire Medical Systems, Inc. (A)	16,017	3,258,338
Lantheus Holdings, Inc. (A)	8,795	545,290
PROCEPT BioRobotics Corp. (A)	122,198	5,121,318
Shockwave Medical, Inc. (A)	12,466	2,375,521
		21,469,370
Health care providers and services – 2.6%		
Acadia Healthcare Company, Inc. (A)	34,679	2,696,639
Cross Country Healthcare, Inc. (A)	98,114	2,221,301
HealthEquity, Inc. (A)	37,250	2,469,675
		7,387,615
Pharmaceuticals – 2.1%		
Intra-Cellular Therapies, Inc. (A)	47,775	3,421,646
Revance Therapeutics, Inc. (A)	32,656	287,046
Structure Therapeutics, Inc., ADR (A)	17,539	714,890
Verona Pharma PLC, ADR (A)	71,514	1,421,698
		5,845,280
		64,262,390
Industrials – 22.8%		
Aerospace and defense – 1.6%		
Curtiss-Wright Corp.	20,570	4,582,790
Building products – 3.5%		
The AZEK Company, Inc. (A)	145,317	5,558,375
Zurn Elkay Water Solutions Corp.	144,367	4,245,833
		9,804,208
Commercial services and supplies – 1.4%		
Aris Water Solutions, Inc., Class A	92,043	772,241
Casella Waste Systems, Inc., Class A (A)	35,773	3,057,161
		3,829,402
Construction and engineering – 4.2%		
Ameresco, Inc., Class A (A)	62,846	1,990,333
Comfort Systems USA, Inc.	18,127	3,728,180
Fluor Corp. (A)	154,484	6,051,138
		11,769,651
Electrical equipment – 1.8%		
Acuity Brands, Inc.	11,131	2,279,963

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Shoals Technologies Group, Inc., Class A (A)	180,430	\$ 2,803,882
		5,083,845
Machinery – 0.9%		
The Middleby Corp. (A)	17,584	2,587,837
Professional services – 5.7%		
EXL Service Holdings, Inc. (A)	157,894	4,871,031
TriNet Group, Inc. (A)	34,709	4,127,941
Verra Mobility Corp. (A)	294,415	6,780,377
		15,779,349
Trading companies and distributors – 3.7%		
Applied Industrial Technologies, Inc.	40,253	6,951,291
Rush Enterprises, Inc., Class A	65,796	3,309,539
		10,260,830
		63,697,912
Information technology – 17.3%		
Communications equipment – 1.4%		
Calix, Inc. (A)	89,839	3,925,066
Electronic equipment, instruments and components – 2.0%		
ePlus, Inc. (A)	23,544	1,879,753
Novanta, Inc. (A)	22,344	3,762,953
		5,642,706
Semiconductors and semiconductor equipment – 3.1%		
MKS Instruments, Inc.	20,846	2,144,428
SiTime Corp. (A)	16,390	2,000,891
Synaptics, Inc. (A)	26,418	3,013,765
Universal Display Corp.	8,069	1,543,277
		8,702,361
Software – 10.8%		
Clearwater Analytics Holdings, Inc., Class A (A)	107,356	2,150,341
CyberArk Software, Ltd. (A)	18,127	3,970,719
DoubleVerify Holdings, Inc. (A)	124,655	4,584,811
Five9, Inc. (A)	44,721	3,519,095
Intapp, Inc. (A)	40,722	1,548,250
Jamf Holding Corp. (A)	163,084	2,945,297
Manhattan Associates, Inc. (A)	12,728	2,740,593
PowerSchool Holdings, Inc., Class A (A)(B)	191,765	4,517,983
RingCentral, Inc., Class A (A)	22,465	762,687
Sprout Social, Inc., Class A (A)	55,458	3,407,340
		30,147,116
		48,417,249
Materials – 3.1%		
Chemicals – 3.1%		
Cabot Corp.	72,406	6,045,901
Livent Corp. (A)(B)	151,596	2,725,696
		8,771,597
Real estate – 3.0%		
Hotel and resort REITs – 1.7%		
Ryman Hospitality Properties, Inc.	43,830	4,823,930
Retail REITs – 1.3%		
Phillips Edison & Company, Inc.	100,508	3,666,532
		8,490,462
TOTAL COMMON STOCKS (Cost \$241,391,627)		\$ 277,598,431
EXCHANGE-TRADED FUNDS – 0.3%		
iShares Russell 2000 Growth ETF	3,129	789,196
TOTAL EXCHANGE-TRADED FUNDS (Cost \$643,880)		\$ 789,196

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 1.4%		
Short-term funds – 1.2%		
John Hancock Collateral Trust, 5.3645% (C)(D)	342,163	\$ 3,421,696
Repurchase agreement – 0.2%		
Societe Generale SA Tri-Party Repurchase Agreement dated 12-29-23 at 5.310% to be repurchased at \$500,295 on 1-2-24, collateralized by \$509,600 U.S. Treasury Notes, 4.125% due 6-15-26 (valued at \$510,047)	\$ 500,000	500,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,921,952)		\$ 3,921,696
Total Investments (Small Cap Stock Trust) (Cost \$245,957,459) – 101.1%		\$ 282,309,323
Other assets and liabilities, net – (1.1%)		(3,168,347)
TOTAL NET ASSETS – 100.0%		\$ 279,140,976

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 12-31-23.
(C)	The rate shown is the annualized seven-day yield as of 12-31-23.
(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 – 98.7%		
Communication services – 1.4%		
Interactive media and services – 1.4%		
Shutterstock, Inc.	130,527	\$ 6,301,844
Consumer discretionary – 12.4%		
Automobile components – 2.5%		
The Goodyear Tire & Rubber Company (A)	408,840	5,854,589
Visteon Corp. (A)	44,283	5,530,947
		11,385,536
Hotels, restaurants and leisure – 1.3%		
Wyndham Hotels & Resorts, Inc.	75,656	6,083,499
Household durables – 4.2%		
Century Communities, Inc.	62,539	5,699,804
Sonos, Inc. (A)	423,978	7,266,983
Tri Pointe Homes, Inc. (A)	178,759	6,328,069
		19,294,856
Specialty retail – 1.5%		
Boot Barn Holdings, Inc. (A)	27,020	2,074,055
Monro, Inc.	168,813	4,952,973
		7,027,028
Textiles, apparel and luxury goods – 2.9%		
Kontoor Brands, Inc.	135,003	8,426,887
Oxford Industries, Inc.	48,214	4,821,400
		13,248,287
		57,039,206

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer staples – 2.4%		
Food products – 1.0%		
Post Holdings, Inc. (A)	55,189	\$ 4,859,943
Household products – 1.4%		
Spectrum Brands Holdings, Inc.	78,682	6,276,463
		11,136,406
Energy – 5.2%		
Oil, gas and consumable fuels – 5.2%		
Chord Energy Corp.	51,471	8,556,024
Gulfport Energy Corp. (A)	60,633	8,076,316
Sitio Royalties Corp., Class A	320,243	7,528,913
		24,161,253
Financials – 26.8%		
Banks – 17.1%		
1st Source Corp.	120,383	6,615,046
Berkshire Hills Bancorp, Inc.	247,695	6,150,267
Cadence Bank	266,355	7,881,444
Eastern Bankshares, Inc.	266,315	3,781,673
Enterprise Financial Services Corp.	135,955	6,070,391
First Busey Corp.	258,030	6,404,305
First Interstate BancSystem, Inc., Class A	168,020	5,166,615
Hancock Whitney Corp.	160,533	7,800,298
International Bancshares Corp.	87,922	4,775,923
National Bank Holdings Corp., Class A	208,966	7,771,446
Seacoast Banking Corp. of Florida	324,361	9,231,314
Synovus Financial Corp.	194,578	7,325,862
		78,974,584
Capital markets – 1.2%		
Houlihan Lokey, Inc.	45,542	5,460,941
Consumer finance – 1.5%		
Bread Financial Holdings, Inc.	214,140	7,053,772
Financial services – 1.0%		
NMI Holdings, Inc., Class A (A)	162,634	4,826,977
Insurance – 6.0%		
Assured Guaranty, Ltd.	74,842	5,600,427
Kemper Corp.	155,908	7,588,042
ProAssurance Corp.	321,700	4,436,243
SiriusPoint, Ltd. (A)	435,836	5,055,698
White Mountains Insurance Group, Ltd.	3,262	4,909,343
		27,589,753
		123,906,027
Health care – 4.1%		
Health care equipment and supplies – 3.4%		
Haemonetics Corp. (A)	43,058	3,681,890
ICU Medical, Inc. (A)	44,762	4,464,562
Integra LifeSciences Holdings Corp. (A)	176,663	7,693,674
		15,840,126
Health care technology – 0.7%		
Veradigm, Inc. (A)	309,307	3,244,630
		19,084,756
Industrials – 17.5%		
Aerospace and defense – 0.2%		
Leonardo DRS, Inc. (A)	58,410	1,170,536
Building products – 2.6%		
American Woodmark Corp. (A)	78,521	7,290,675
Janus International Group, Inc. (A)	346,618	4,523,365
		11,814,040
Commercial services and supplies – 5.4%		
ACCO Brands Corp.	823,268	5,005,469
Brady Corp., Class A	114,928	6,745,124
BrightView Holdings, Inc. (A)	219,563	1,848,720

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
UniFirst Corp.	16,680	\$ 3,050,939
Vestis Corp.	381,802	8,071,294
		24,721,546
Electrical equipment – 1.1%		
Thermon Group Holdings, Inc. (A)	160,973	5,242,891
Ground transportation – 1.2%		
Ryder System, Inc.	46,448	5,344,307
Machinery – 1.7%		
Luxfer Holdings PLC	244,069	2,181,977
The Middleby Corp. (A)	39,936	5,877,381
		8,059,358
Professional services – 3.8%		
Huron Consulting Group, Inc. (A)	42,914	4,411,559
Sterling Check Corp. (A)(B)	475,339	6,616,719
WNS Holdings, Ltd., ADR (A)	100,672	6,362,470
		17,390,748
Trading companies and distributors – 1.5%		
Air Lease Corp.	168,580	7,070,245
		80,813,671
Information technology – 8.5%		
Electronic equipment, instruments and components – 4.1%		
Belden, Inc.	76,562	5,914,415
CTS Corp.	123,876	5,418,336
ePlus, Inc. (A)	95,921	7,658,333
		18,991,084
IT services – 1.2%		
Perficient, Inc. (A)	85,425	5,622,674
Software – 3.2%		
ACI Worldwide, Inc. (A)	263,832	8,073,259
Progress Software Corp.	119,725	6,501,068
		14,574,327
		39,188,085
Materials – 8.4%		
Chemicals – 6.5%		
Axalta Coating Systems, Ltd. (A)	206,859	7,027,000
Element Solutions, Inc.	429,257	9,933,007
HB Fuller Company	72,802	5,926,811
Mativ Holdings, Inc.	458,717	7,022,957
		29,909,775
Containers and packaging – 1.9%		
TriMas Corp.	351,859	8,912,588
		38,822,363
Real estate – 10.0%		
Diversified REITs – 0.9%		
Alexander & Baldwin, Inc.	218,816	4,161,880
Hotel and resort REITs – 1.5%		
Pebblebrook Hotel Trust	444,046	7,095,855
Industrial REITs – 0.8%		
LXP Industrial Trust	372,489	3,695,091
Real estate management and development – 1.4%		
Colliers International Group, Inc. (B)	49,981	6,323,596
Residential REITs – 2.2%		
Centerspace	80,719	4,697,846
Independence Realty Trust, Inc.	349,331	5,344,764
		10,042,610
Retail REITs – 1.9%		
NETSTREIT Corp.	254,005	4,533,989

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Retail REITs (continued)		
Phillips Edison & Company, Inc.	113,928	\$ 4,156,093
		8,690,082
Specialized REITs – 1.3%		
PotlatchDeltic Corp.	123,409	6,059,382
		46,068,496
Utilities – 2.0%		
Electric utilities – 1.1%		
Portland General Electric Company	116,804	5,062,285
Gas utilities – 0.9%		
ONE Gas, Inc.	69,151	4,406,302
		9,468,587
TOTAL COMMON STOCKS (Cost \$412,931,717)		\$ 455,990,694
SHORT-TERM INVESTMENTS – 2.5%		
Short-term funds – 1.3%		
John Hancock Collateral Trust, 5.3645% (C)(D)	604,751	6,047,636
Repurchase agreement – 1.2%		
Bank of America Tri-Party Repurchase Agreement dated 12-29-23 at 5.340% to be repurchased at \$5,403,204 on 1-2-24, collateralized by \$5,234,933 Federal National Mortgage Association, 2.500% - 6.057% due 7-1-37 to 10-1-53 (valued at \$4,822,714) and \$682,791 Government National Mortgage Association, 6.478% due 1-20-72 (valued at \$685,286)	\$ 5,400,000	5,400,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$11,447,649)		\$ 11,447,636
Total Investments (Small Cap Value Trust) (Cost \$424,379,366) – 101.2%		\$ 467,438,330
Other assets and liabilities, net – (1.2%)		(5,686,189)
TOTAL NET ASSETS – 100.0%		\$ 461,752,141

Security Abbreviations and Legend

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(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 – 96.6%		
Communication services – 1.3%		
Diversified telecommunication services – 0.2%		
Frontier Communications Parent, Inc. (A)	13,039	\$ 330,408
Media – 1.1%		
Advantage Solutions, Inc. (A)	80,296	290,672
The New York Times Company, Class A	22,426	1,098,650
		1,389,322
		1,719,730
Consumer discretionary – 10.9%		
Automobile components – 1.5%		
Dorman Products, Inc. (A)	8,341	695,723
LCI Industries	5,384	676,823

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobile components (continued)		
Modine Manufacturing Company (A)	2,700	\$ 161,190
Visteon Corp. (A)	2,842	354,966
		1,888,702
Broadline retail – 0.3%		
Kohl's Corp.	8,900	255,252
Savers Value Village, Inc. (A)	6,360	110,537
		365,789
Distributors – 0.2%		
Pool Corp.	781	311,393
Diversified consumer services – 1.2%		
Strategic Education, Inc.	17,189	1,587,748
Hotels, restaurants and leisure – 2.7%		
BJ's Restaurants, Inc. (A)	11,683	420,705
Cava Group, Inc. (A)	23,870	1,025,933
Dutch Bros, Inc., Class A (A)	9,451	299,313
Marriott Vacations Worldwide Corp.	5,736	486,929
Papa John's International, Inc.	12,121	923,984
Wyndham Hotels & Resorts, Inc.	4,200	337,722
		3,494,586
Household durables – 1.3%		
Meritage Homes Corp.	8,341	1,453,002
Skyline Champion Corp. (A)	3,900	289,614
		1,742,616
Leisure products – 0.2%		
Peloton Interactive, Inc., Class A (A)	34,238	208,509
Specialty retail – 2.2%		
Abercrombie & Fitch Company, Class A (A)	1,500	132,330
Asbury Automotive Group, Inc. (A)	3,605	811,017
Caleres, Inc.	12,838	394,512
Carvana Company (A)(B)	4,687	248,130
Chewy, Inc., Class A (A)	13,400	316,642
Floor & Decor Holdings, Inc., Class A (A)	3,973	443,228
Monro, Inc.	18,568	544,785
		2,890,644
Textiles, apparel and luxury goods – 1.3%		
Figs, Inc., Class A (A)(B)	70,511	490,051
Oxford Industries, Inc.	1,700	170,000
Steven Madden, Ltd.	24,474	1,027,908
		1,687,959
		14,177,946
Consumer staples – 2.1%		
Beverages – 0.4%		
Coca-Cola Consolidated, Inc.	533	494,837
Food products – 1.7%		
Nomad Foods, Ltd. (A)	57,922	981,778
Post Holdings, Inc. (A)	6,793	598,192
The Simply Good Foods Company (A)	14,971	592,852
		2,172,822
		2,667,659
Energy – 8.0%		
Energy equipment and services – 3.5%		
Cactus, Inc., Class A	18,453	837,766
ChampionX Corp.	41,074	1,199,772
Enerflex, Ltd.	91,423	426,945
Expro Group Holdings NV (A)	32,642	519,661
Liberty Energy, Inc.	32,314	586,176

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
TechnipFMC PLC	51,600	\$ 1,039,224
		4,609,544
Oil, gas and consumable fuels – 4.5%		
Magnolia Oil & Gas Corp., Class A	30,592	651,304
Matador Resources Company	35,532	2,020,350
Permian Resources Corp.	43,845	596,292
Range Resources Corp.	37,400	1,138,456
SM Energy Company	12,200	472,384
Southwestern Energy Company (A)	142,500	933,375
		5,812,161
		10,421,705
Financials – 27.7%		
Banks – 18.1%		
BankUnited, Inc.	48,612	1,576,487
Cathay General Bancorp	17,100	762,147
Columbia Banking System, Inc.	52,268	1,394,510
CrossFirst Bankshares, Inc. (A)	38,258	519,544
Eastern Bankshares, Inc.	91,962	1,305,860
FB Financial Corp.	29,768	1,186,255
HarborOne Bancorp, Inc.	48,015	575,220
Home BancShares, Inc.	53,349	1,351,330
Live Oak Bancshares, Inc.	29,806	1,356,173
National Bank Holdings Corp., Class A	27,961	1,039,870
Origin Bancorp, Inc.	18,720	665,870
Pinnacle Financial Partners, Inc.	24,973	2,178,132
Popular, Inc.	17,894	1,468,561
Prosperity Bancshares, Inc.	2,150	145,620
Sandy Spring Bancorp, Inc.	23,500	640,140
Southern First Bancshares, Inc. (A)	14,232	528,007
SouthState Corp.	16,443	1,388,611
Texas Capital Bancshares, Inc. (A)	15,843	1,023,933
Towne Bank	35,936	1,069,455
Veritex Holdings, Inc.	21,556	501,608
Webster Financial Corp.	17,142	870,128
Western Alliance Bancorp	13,565	892,441
WSFS Financial Corp.	23,209	1,065,989
		23,505,891
Capital markets – 2.1%		
Houlihan Lokey, Inc.	11,968	1,435,083
StepStone Group, Inc., Class A	9,063	288,475
Virtus Investment Partners, Inc.	4,070	983,963
		2,707,521
Consumer finance – 0.7%		
Green Dot Corp., Class A (A)	33,383	330,492
NerdWallet, Inc., Class A (A)	20,915	307,869
PRA Group, Inc. (A)	11,665	305,623
		943,984
Financial services – 3.5%		
PennyMac Financial Services, Inc.	22,713	2,007,148
Radian Group, Inc.	32,949	940,694
Voya Financial, Inc.	5,700	415,872
Walker & Dunlop, Inc.	10,178	1,129,860
		4,493,574
Insurance – 1.9%		
First American Financial Corp.	9,768	629,450
James River Group Holdings, Ltd.	22,805	210,718
ProAssurance Corp.	37,290	514,229
Ryan Specialty Holdings, Inc. (A)	19,166	824,521

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Selective Insurance Group, Inc.	3,000	\$ 298,440
		2,477,358
Mortgage real estate investment trusts – 1.4%		
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	37,163	1,024,956
PennyMac Mortgage Investment Trust	47,655	712,442
		1,737,398
		35,865,726
Health care – 8.9%		
Biotechnology – 4.5%		
Apellis Pharmaceuticals, Inc. (A)	6,123	366,523
Ascendis Pharma A/S, ADR (A)	4,138	521,181
Black Diamond Therapeutics, Inc. (A)	45,300	127,293
Blueprint Medicines Corp. (A)	4,607	424,950
Crinetics Pharmaceuticals, Inc. (A)	6,068	215,899
CRISPR Therapeutics AG (A)(B)	4,691	293,657
Cytokinetics, Inc. (A)	5,200	434,148
Insmed, Inc. (A)	16,188	501,666
Ionis Pharmaceuticals, Inc. (A)	12,900	652,611
Karuna Therapeutics, Inc. (A)	2,884	912,815
Kymera Therapeutics, Inc. (A)	6,907	175,852
MacroGenics, Inc. (A)	28,651	275,623
MoonLake Immunotherapeutics (A)	1,871	112,990
Syndax Pharmaceuticals, Inc. (A)	12,493	269,974
Verve Therapeutics, Inc. (A)	13,080	182,335
Xencor, Inc. (A)	9,916	210,517
Zentalis Pharmaceuticals, Inc. (A)	9,583	145,182
		5,823,216
Health care equipment and supplies – 1.5%		
Atrion Corp.	1,062	402,275
Avanos Medical, Inc. (A)	13,800	309,534
Lantheus Holdings, Inc. (A)	8,233	510,446
QuidelOrtho Corp. (A)	9,990	736,263
		1,958,518
Health care providers and services – 2.3%		
Agility, Inc. (A)	36,816	291,583
Alignment Healthcare, Inc. (A)	44,426	382,508
Select Medical Holdings Corp.	46,248	1,086,828
The Ensign Group, Inc.	8,593	964,221
The Pennant Group, Inc. (A)	20,484	285,137
		3,010,277
Health care technology – 0.4%		
MultiPlan Corp. (A)	176,831	254,637
Phreesia, Inc. (A)	14,159	327,781
		582,418
Pharmaceuticals – 0.2%		
Elanco Animal Health, Inc. (A)	13,833	206,112
		11,580,541
Industrials – 13.6%		
Aerospace and defense – 0.8%		
Leonardo DRS, Inc. (A)	15,059	301,782
Moog, Inc., Class A	5,100	738,378
		1,040,160
Building products – 1.7%		
UFP Industries, Inc.	11,238	1,410,931
Zurn Elkay Water Solutions Corp.	26,600	782,306
		2,193,237
Commercial services and supplies – 1.9%		
Brady Corp., Class A	15,503	909,871
Casella Waste Systems, Inc., Class A (A)	5,400	461,484
MSA Safety, Inc.	2,731	461,075

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
Stericycle, Inc. (A)	4,736	\$ 234,716
UniFirst Corp.	2,023	370,027
		2,437,173
Construction and engineering – 0.7%		
Arcosa, Inc.	2,000	165,280
Valmont Industries, Inc.	2,166	505,783
WillScot Mobile Mini Holdings Corp. (A)	4,797	213,467
		884,530
Ground transportation – 0.9%		
Landstar System, Inc.	6,003	1,162,481
Machinery – 3.4%		
Alamo Group, Inc.	3,729	783,799
Crane Company	3,800	448,932
Esab Corp.	10,411	901,801
ESCO Technologies, Inc.	5,061	592,289
John Bean Technologies Corp.	3,500	348,075
RBC Bearings, Inc. (A)	2,953	841,280
SPX Technologies, Inc. (A)	4,584	463,030
		4,379,206
Passenger airlines – 0.5%		
Allegiant Travel Company	7,831	646,919
Professional services – 1.9%		
ASGN, Inc. (A)	2,600	250,042
Conduent, Inc. (A)	86,700	316,455
FTI Consulting, Inc. (A)	2,620	521,773
Parsons Corp. (A)	12,936	811,217
Paycor HCM, Inc. (A)	30,007	647,851
		2,547,338
Trading companies and distributors – 1.8%		
Beacon Roofing Supply, Inc. (A)	15,039	1,308,694
Herc Holdings, Inc.	3,772	561,613
McGrath RentCorp	3,506	419,388
		2,289,695
		17,580,739
Information technology – 6.2%		
Communications equipment – 0.3%		
Viavi Solutions, Inc. (A)	43,497	438,015
Electronic equipment, instruments and components – 2.4%		
Littelfuse, Inc.	4,935	1,320,409
Mirion Technologies, Inc. (A)	55,097	564,744
PAR Technology Corp. (A)	4,719	205,465
Vishay Intertechnology, Inc.	15,800	378,726
Vontier Corp.	17,068	589,699
		3,059,043
IT services – 0.2%		
Endava PLC, ADR (A)	3,800	295,830
Semiconductors and semiconductor equipment – 1.8%		
Diodes, Inc. (A)	3,600	289,872
Entegris, Inc.	1,762	211,123
Lattice Semiconductor Corp. (A)	4,280	295,277
MACOM Technology Solutions Holdings, Inc. (A)	8,800	817,960
Onto Innovation, Inc. (A)	4,936	754,714
		2,368,946
Software – 1.5%		
Altair Engineering, Inc., Class A (A)	1,800	151,470
Amplitude, Inc., Class A (A)	10,800	137,376
DoubleVerify Holdings, Inc. (A)	15,094	555,157
Intapp, Inc. (A)	3,151	119,801
JFrog, Ltd. (A)	4,200	145,362
NCino, Inc. (A)	14,023	471,593

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Workiva, Inc. (A)	3,191	\$ 323,982
		1,904,741
		8,066,575
Materials – 4.5%		
Chemicals – 1.8%		
Element Solutions, Inc.	44,571	1,031,373
Orion SA	24,107	668,487
Quaker Chemical Corp.	2,552	544,648
		2,244,508
Containers and packaging – 0.1%		
Myers Industries, Inc.	8,041	157,202
Metals and mining – 2.1%		
Carpenter Technology Corp.	7,352	520,522
Constellium SE (A)	55,800	1,113,768
Reliance Steel & Aluminum Company	3,905	1,092,150
		2,726,440
Paper and forest products – 0.5%		
Clearwater Paper Corp. (A)	9,771	352,929
West Fraser Timber Company, Ltd.	3,614	309,286
		662,215
		5,790,365
Real estate – 9.6%		
Diversified REITs – 0.6%		
Essential Properties Realty Trust, Inc.	29,403	751,541
Hotel and resort REITs – 1.1%		
Apple Hospitality REIT, Inc.	86,029	1,428,942
Industrial REITs – 2.0%		
EastGroup Properties, Inc.	6,176	1,133,543
Terreno Realty Corp.	22,985	1,440,470
		2,574,013
Real estate management and development – 2.0%		
FirstService Corp.	4,900	794,241
The St. Joe Company	16,492	992,489
Tricon Residential, Inc.	89,318	812,794
		2,599,524
Residential REITs – 1.1%		
Independence Realty Trust, Inc.	42,496	650,189
NexPoint Residential Trust, Inc.	10,257	353,149
UMH Properties, Inc.	28,100	430,492
		1,433,830
Retail REITs – 1.1%		
NETSTREIT Corp.	35,890	640,637
Saul Centers, Inc.	20,309	797,534
		1,438,171
Specialized REITs – 1.7%		
CubeSmart	20,164	934,601
PotlatchDeltic Corp.	16,596	814,864
Safehold, Inc.	19,722	461,495
		2,210,960
		12,436,981
Utilities – 3.8%		
Electric utilities – 2.2%		
IDACORP, Inc.	14,135	1,389,753
MGE Energy, Inc.	11,692	845,449
OGE Energy Corp.	16,200	565,866
		2,801,068
Gas utilities – 0.9%		
Chesapeake Utilities Corp.	5,103	539,030

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Gas utilities (continued)		
ONE Gas, Inc.	10,937	\$ 696,906
		1,235,936
Water utilities – 0.7%		
Artesian Resources Corp., Class A	5,610	232,535
California Water Service Group	13,057	677,267
		909,802
		4,946,806
TOTAL COMMON STOCKS (Cost \$101,031,736)		\$ 125,254,773
WARRANTS – 0.0%		
Advantage Solutions, Inc. (Expiration Date: 10-28-25; Strike Price: \$11.50) (A)		
	4,703	428
TOTAL WARRANTS (Cost \$6,099)		\$ 428
SHORT-TERM INVESTMENTS – 3.9%		
Short-term funds – 3.9%		
John Hancock Collateral Trust, 5.3645% (C)(D)	71,943	719,443
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.2982% (C)	454,012	454,012
T. Rowe Price Government Reserve Fund, 5.3873% (C)	3,915,053	3,915,053
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,088,545)		\$ 5,088,508
Total Investments (Small Company Value Trust) (Cost \$106,126,380) – 100.5%		\$ 130,343,709
Other assets and liabilities, net – (0.5%)		(630,011)
TOTAL NET ASSETS – 100.0%		\$ 129,713,698

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 12-31-23.
(C)	The rate shown is the annualized seven-day yield as of 12-31-23.
(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 – 95.4%		
Communication services – 6.0%		
Diversified telecommunication services – 1.0%		
Anterix, Inc. (A)	1,962	\$ 65,374
AST SpaceMobile, Inc. (A)(B)	13,143	79,252
AT&T, Inc.	667,027	11,192,713
ATN International, Inc.	1,870	72,874
Bandwidth, Inc., Class A (A)	3,389	49,039
BT Group PLC	905,570	1,426,802
Cellnex Telecom SA (A)(C)	79,188	3,117,869
Cogent Communications Holdings, Inc. Consolidated Communications Holdings, Inc. (A)	6,753	513,633
	11,659	50,717
Deutsche Telekom AG	454,130	10,918,786
EchoStar Corp., Class A (A)	5,696	94,383
Elisa OYJ	19,929	921,296
Frontier Communications Parent, Inc. (A)	43,865	1,111,539
Globalstar, Inc. (A)	109,108	211,670
HKT Trust & HKT, Ltd.	531,421	634,478

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified telecommunication services (continued)		
IDT Corp., Class B (A)	2,355	\$ 80,282
Infrastrutture Wireless Italiane SpA (C)	47,084	596,126
Iridium Communications, Inc.	24,562	1,010,972
Koninklijke KPN NV	470,131	1,619,662
Liberty Latin America, Ltd., Class A (A)	7,796	56,989
Liberty Latin America, Ltd., Class C (A)	19,318	141,794
Lumen Technologies, Inc. (A)	157,775	288,728
Nippon Telegraph & Telephone Corp.	4,186,800	5,112,434
Ooma, Inc. (A)	4,269	45,806
Orange SA	260,896	2,973,601
Shenandoah Telecommunications Company	7,651	165,415
Singapore Telecommunications, Ltd.	920,804	1,723,749
Singapore Telecommunications, Ltd.	258,829	485,781
Spark New Zealand, Ltd.	257,629	843,421
Swisscom AG	3,629	2,184,182
Telecom Italia SpA (A)	1,396,095	454,228
Telefonica SA	684,856	2,677,700
Telenor ASA	88,238	1,012,681
Telia Company AB	330,573	843,433
Telstra Group, Ltd.	566,631	1,531,195
Verizon Communications, Inc.	392,443	14,795,101
		69,103,705
Entertainment – 0.9%		
Atlanta Braves Holdings, Inc., Series A (A)	1,560	66,737
Atlanta Braves Holdings, Inc., Series C (A)	7,177	284,066
Bollre SE	103,371	646,877
Capcom Company, Ltd.	24,300	784,178
Cinemark Holdings, Inc. (A)	17,147	241,601
Electronic Arts, Inc.	22,641	3,097,515
IMAX Corp. (A)	7,330	110,097
Koei Tecmo Holdings Company, Ltd.	16,500	187,968
Konami Group Corp.	14,109	737,028
Lions Gate Entertainment Corp., Class A (A)	8,532	92,999
Lions Gate Entertainment Corp., Class B (A)	19,517	198,878
Live Nation Entertainment, Inc. (A)(B)	13,468	1,260,605
Madison Square Garden Entertainment Corp. (A)	6,092	193,665
Netflix, Inc. (A)	40,857	19,892,456
Nexon Company, Ltd.	47,906	871,367
Nintendo Company, Ltd.	145,590	7,575,611
Playstudios, Inc. (A)	14,355	38,902
Reservoir Media, Inc. (A)	2,970	21,176
Sea, Ltd., ADR (A)	51,300	2,077,650
Sphere Entertainment Company (A)	4,072	138,285
Square Enix Holdings Company, Ltd.	12,000	430,200
Take-Two Interactive Software, Inc. (A)	15,003	2,414,733
The Marcus Corp.	4,146	60,449
The Walt Disney Company	170,726	15,414,851
TKO Group Holdings, Inc.	11,899	970,720
Toho Company, Ltd.	15,708	530,306
Universal Music Group NV	114,855	3,278,779
Warner Brothers Discovery, Inc. (A)	201,377	2,291,670
		63,909,369
Interactive media and services – 3.2%		
Adevinta ASA (A)	48,998	541,321
Alphabet, Inc., Class A (A)	552,484	77,176,490
Alphabet, Inc., Class C (A)	464,918	65,520,894
Auto Trader Group PLC (C)	128,195	1,177,682
Bumble, Inc., Class A (A)	15,712	231,595
CarGurus, Inc. (A)	15,030	363,125
Cars.com, Inc. (A)	10,275	194,917
carsales.com, Ltd.	50,200	1,063,802
DHI Group, Inc. (A)	8,996	23,300

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services (continued)		
Eventbrite, Inc., Class A (A)	12,787	\$ 106,899
EverQuote, Inc., Class A (A)	3,464	42,399
FuboTV, Inc. (A)	43,330	137,789
Grindr, Inc. (A)	6,555	57,553
LY Corp.	374,354	1,323,821
Match Group, Inc. (A)	26,416	964,184
MediaAlpha, Inc., Class A (A)	3,455	38,523
Meta Platforms, Inc., Class A (A)	207,193	73,338,034
Nextdoor Holdings, Inc. (A)	24,652	46,592
Outbrain, Inc. (A)	6,488	28,417
QuinStreet, Inc. (A)	8,178	104,842
REA Group, Ltd.	7,404	912,983
Scout24 SE (C)	10,508	743,034
SEEK, Ltd.	49,912	908,050
Shutterstock, Inc.	3,775	182,257
TrueCar, Inc. (A)	13,804	47,762
Vimeo, Inc. (A)	25,528	100,070
Yelp, Inc. (A)	10,215	483,578
Ziff Davis, Inc. (A)	16,214	1,089,419
ZipRecruiter, Inc., Class A (A)	10,432	145,005
ZoomInfo Technologies, Inc. (A)	58,749	1,086,269
		228,180,606
Media – 0.5%		
Advantage Solutions, Inc. (A)	13,796	49,942
AMC Networks, Inc., Class A (A)	4,856	91,244
Boston Omaha Corp., Class A (A)	3,920	61,662
Cable One, Inc.	902	502,044
Cardlytics, Inc. (A)	5,708	52,571
Charter Communications, Inc., Class A (A)	9,374	3,643,486
Clear Channel Outdoor Holdings, Inc. (A)	58,175	105,879
Comcast Corp., Class A	374,953	16,441,689
Daily Journal Corp. (A)	221	75,321
Dentsu Group, Inc.	28,365	726,240
Entravision Communications Corp., Class A	9,030	37,655
Fox Corp., Class A	20,353	603,874
Fox Corp., Class B	12,531	346,482
Gambling.com Group, Ltd. (A)	2,414	23,537
Gannett Company, Inc. (A)	24,230	55,729
Gray Television, Inc.	13,548	121,390
iHeartMedia, Inc., Class A (A)	18,085	48,287
Informa PLC	193,873	1,928,339
Integral Ad Science Holding Corp. (A)	7,698	110,774
John Wiley & Sons, Inc., Class A	5,764	182,949
Magnite, Inc. (A)	20,982	195,972
News Corp., Class A	36,187	888,391
News Corp., Class B	10,972	282,200
Nexstar Media Group, Inc.	6,393	1,002,103
Omnicom Group, Inc.	18,767	1,623,533
Paramount Global, Class B	45,806	677,471
Publicis Groupe SA	32,069	2,979,589
PubMatic, Inc., Class A (A)	6,634	108,201
Scholastic Corp.	4,248	160,150
Sinclair, Inc.	4,908	63,951
Stagwell, Inc. (A)	12,789	84,791
TechTarget, Inc. (A)	3,951	137,732
TEGNA, Inc.	70,499	1,078,635
The EW Scripps Company, Class A (A)	10,123	80,883
The Interpublic Group of Companies, Inc.	36,565	1,193,482
The New York Times Company, Class A	32,450	1,589,726
Thryv Holdings, Inc. (A)	5,033	102,422
Townsquare Media, Inc., Class A	1,775	18,744
Vivendi SE	93,796	1,004,084
WideOpenWest, Inc. (A)	8,772	35,527

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
WPP PLC	150,598	\$ 1,438,494
		39,955,175
Wireless telecommunication services – 0.4%		
Gogo, Inc. (A)	10,862	110,032
KDDI Corp.	209,743	6,652,734
SoftBank Corp.	402,800	5,019,584
SoftBank Group Corp.	144,174	6,363,614
Spok Holdings, Inc.	2,584	40,000
Tele2 AB, B Shares	74,855	643,430
Telephone & Data Systems, Inc.	15,334	281,379
Tingo Group, Inc. (A)(B)	19,584	13,513
T-Mobile US, Inc.	47,577	7,628,020
Vodafone Group PLC	3,224,750	2,816,301
		29,568,607
		430,717,462
Consumer discretionary – 10.9%		
Automobile components – 0.4%		
Adient PLC (A)	33,053	1,201,807
Aisin Corp.	20,658	720,163
American Axle & Manufacturing Holdings, Inc. (A)	17,794	156,765
Aptiv PLC (A)	26,866	2,410,418
Atmus Filtration Technologies, Inc. (A)(B)	2,405	56,493
Autoliv, Inc.	14,853	1,636,652
BorgWarner, Inc.	22,329	800,495
Bridgestone Corp.	80,006	3,304,356
Cie Generale des Etablissements Michelin SCA	95,053	3,414,924
Continental AG	15,413	1,309,047
Cooper-Standard Holdings, Inc. (A)	2,601	50,824
Dana, Inc.	20,272	296,174
Denso Corp.	242,880	3,646,196
Dorman Products, Inc. (A)	4,100	341,981
Fox Factory Holding Corp. (A)	15,085	1,017,936
Genetex Corp.	46,259	1,510,819
Gentherm, Inc. (A)	5,154	269,863
Holley, Inc. (A)	7,889	38,419
Koito Manufacturing Company, Ltd.	27,032	420,044
LCI Industries	3,831	481,595
Lear Corp.	11,554	1,631,540
Luminar Technologies, Inc. (A)(B)	42,704	143,912
Modine Manufacturing Company (A)	7,972	475,928
Patrick Industries, Inc.	3,292	330,352
Solid Power, Inc. (A)	27,438	39,785
Standard Motor Products, Inc.	3,244	129,144
Stoneridge, Inc. (A)	4,126	80,746
Sumitomo Electric Industries, Ltd.	100,143	1,270,673
The Goodyear Tire & Rubber Company (A)	99,921	1,430,869
Visteon Corp. (A)	9,784	1,222,022
XPEL, Inc. (A)	3,517	189,390
		30,029,332
Automobiles – 2.0%		
Bayerische Motoren Werke AG	44,680	4,971,618
Ferrari NV	17,661	5,962,469
Fisker, Inc. (A)(B)	32,197	56,345
Ford Motor Company	363,598	4,432,260
General Motors Company	127,438	4,577,573
Harley-Davidson, Inc.	25,134	925,937
Honda Motor Company, Ltd.	647,219	6,676,202
Isuzu Motors, Ltd.	81,646	1,046,675
Livewire Group, Inc. (A)(B)	3,205	36,249
Mazda Motor Corp.	79,700	851,920
Mercedes-Benz Group AG	112,423	7,756,940

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobiles (continued)		
Nissan Motor Company, Ltd.	325,276	\$ 1,271,805
Renault SA	26,932	1,101,517
Stellantis NV	309,983	7,263,100
Subaru Corp.	86,227	1,572,729
Suzuki Motor Corp.	51,643	2,200,847
Tesla, Inc. (A)	258,161	64,147,845
Thor Industries, Inc.	10,566	1,249,430
Toyota Motor Corp.	1,485,800	27,225,367
Volkswagen AG	4,135	541,085
Volvo Car AB, B Shares (A)	83,494	270,787
Winnebago Industries, Inc.	4,461	325,118
Yamaha Motor Company, Ltd.	125,139	1,113,532
		<u>145,577,350</u>
Broadline retail – 2.1%		
Amazon.com, Inc. (A)	848,864	128,976,396
Big Lots, Inc. (B)	5,177	40,329
CarParts.com, Inc. (A)	9,589	30,301
ContextLogic, Inc., Class A (A)	3,536	21,039
Dillard's, Inc., Class A (B)	542	218,778
eBay, Inc.	47,699	2,080,630
Etsy, Inc. (A)	11,685	947,069
Global-e Online, Ltd. (A)	12,700	503,301
Macy's, Inc.	54,267	1,091,852
Next PLC	16,877	1,744,656
Nordstrom, Inc. (B)	19,238	354,941
Ollie's Bargain Outlet Holdings, Inc. (A)	12,237	928,666
Pan Pacific International Holdings Corp.	53,400	1,271,158
Prosus NV (A)	204,949	6,100,163
Rakuten Group, Inc.	209,805	935,377
Savers Value Village, Inc. (A)	4,105	71,345
Wesfarmers, Ltd.	158,958	6,181,705
		<u>151,497,706</u>
Distributors – 0.1%		
D'ieteren Group	3,010	588,793
Genuine Parts Company	13,340	1,847,590
LKQ Corp.	25,416	1,214,631
Pool Corp.	3,710	1,479,214
Weyco Group, Inc.	940	29,478
		<u>5,159,706</u>
Diversified consumer services – 0.2%		
Adtalem Global Education, Inc. (A)	6,170	363,722
Carriage Services, Inc.	2,228	55,722
Chegg, Inc. (A)	18,123	205,877
Coursera, Inc. (A)	20,147	390,247
Duolingo, Inc. (A)	4,532	1,028,084
European Wax Center, Inc., Class A (A)	5,670	77,055
frontdoor, Inc. (A)	12,522	441,025
Graham Holdings Company, Class B	1,254	873,436
Grand Canyon Education, Inc. (A)	5,862	774,018
H&R Block, Inc.	28,544	1,380,673
IDP Education, Ltd.	37,048	505,377
Laureate Education, Inc.	20,566	281,960
Lincoln Educational Services Corp. (A)	3,599	36,134
Nerdy, Inc. (A)	10,473	35,922
OneSpaWorld Holdings, Ltd. (A)	13,040	183,864
Pearson PLC	89,575	1,100,243
Perdoceo Education Corp.	10,366	182,027
Rover Group, Inc. (A)	14,580	158,630
Service Corp. International	29,301	2,005,653
Strategic Education, Inc.	3,516	324,773
Stride, Inc. (A)	6,605	392,139
Udemy, Inc. (A)	13,708	201,919
Universal Technical Institute, Inc. (A)	5,097	63,814

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified consumer services (continued)		
WW International, Inc. (A)	8,331	\$ 72,896
		<u>11,135,210</u>
Hotels, restaurants and leisure – 2.0%		
Accel Entertainment, Inc. (A)	8,268	84,912
Accor SA	27,836	1,065,453
Airbnb, Inc., Class A (A)	40,500	5,513,670
Amadeus IT Group SA	63,120	4,533,376
Aramark	51,772	1,454,793
Aristocrat Leisure, Ltd.	81,783	2,272,220
Bally's Corp. (A)	4,931	68,738
Biglari Holdings, Inc., Class B (A)	119	19,627
BJ's Restaurants, Inc. (A)	3,525	126,935
Bloomin' Brands, Inc.	13,337	375,437
Bluegreen Vacations Holding Corp.	1,696	127,404
Booking Holdings, Inc. (A)	3,259	11,560,390
Bowlero Corp., Class A (A)(B)	2,692	38,119
Boyd Gaming Corp.	13,780	862,766
Brinker International, Inc. (A)	6,766	292,156
Caesars Entertainment, Inc. (A)	20,451	958,743
Carnival Corp. (A)	95,688	1,774,056
Carrols Restaurant Group, Inc.	5,724	45,105
Century Casinos, Inc. (A)	4,961	24,210
Chipotle Mexican Grill, Inc. (A)	2,565	5,866,052
Choice Hotels International, Inc. (B)	4,938	559,475
Churchill Downs, Inc.	13,462	1,816,428
Chuy's Holdings, Inc. (A)	2,791	106,700
Compass Group PLC	240,151	6,571,328
Cracker Barrel Old Country Store, Inc.	3,405	262,457
Darden Restaurants, Inc.	10,801	1,774,604
Dave & Buster's Entertainment, Inc. (A)	5,553	299,029
Delivery Hero SE (A)(C)	24,650	678,440
Denny's Corp. (A)	7,676	83,515
Dine Brands Global, Inc.	2,466	122,437
Domino's Pizza, Inc.	3,334	1,374,375
El Pollo Loco Holdings, Inc. (A)	3,764	33,198
Entain PLC	89,501	1,128,703
Everi Holdings, Inc. (A)	12,944	145,879
Evolution AB (C)	25,677	3,058,398
Expedia Group, Inc. (A)	12,329	1,871,419
First Watch Restaurant Group, Inc. (A)	3,616	72,682
Flutter Entertainment PLC (A)	24,754	4,368,869
Full House Resorts, Inc. (A)	5,097	27,371
Galaxy Entertainment Group, Ltd.	306,153	1,714,721
Genting Singapore, Ltd.	847,321	641,809
Global Business Travel Group I (A)	5,600	36,120
Golden Entertainment, Inc.	3,041	121,427
Hilton Grand Vacations, Inc. (A)	26,522	1,065,654
Hilton Worldwide Holdings, Inc.	23,918	4,355,229
Hyatt Hotels Corp., Class A	8,770	1,143,696
Inspired Entertainment, Inc. (A)	3,771	37,257
InterContinental Hotels Group PLC	23,165	2,088,924
International Game Technology PLC	16,723	458,377
Jack in the Box, Inc.	3,084	251,747
Krispy Kreme, Inc. (B)	13,686	206,522
Kura Sushi USA, Inc., Class A (A)	978	74,328
La Francaise des Jeux SAEM (C)	14,719	534,664
Las Vegas Sands Corp.	34,279	1,686,870
Life Time Group Holdings, Inc. (A)	6,877	103,705
Light & Wonder, Inc. (A)	31,916	2,620,623
Lindblad Expeditions Holdings, Inc. (A)	5,542	62,458
Marriott International, Inc., Class A	23,006	5,188,083
Marriott Vacations Worldwide Corp.	6,551	556,114
McDonald's Corp.	67,902	20,133,622
McDonald's Holdings Company Japan, Ltd.	12,061	522,448

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
MGM Resorts International (A)	24,135	\$ 1,078,352
Monarch Casino & Resort, Inc.	1,999	138,231
Mondee Holdings, Inc. (A)(B)	7,595	20,962
Nathan's Famous, Inc.	555	43,296
Noodles & Company (A)	6,329	19,936
Norwegian Cruise Line Holdings, Ltd. (A)	40,412	809,856
ONE Group Hospitality, Inc. (A)	3,329	20,373
Oriental Land Company, Ltd.	152,900	5,683,032
Papa John's International, Inc.	5,076	386,943
Penn Entertainment, Inc. (A)	30,097	783,124
Planet Fitness, Inc., Class A (A)	16,944	1,236,912
PlayAGS, Inc. (A)	5,762	48,574
Portillo's, Inc., Class A (A)	7,316	116,544
Potbelly Corp. (A)	4,022	41,909
RCI Hospitality Holdings, Inc.	1,414	93,692
Red Robin Gourmet Burgers, Inc. (A)	2,873	35,826
Red Rock Resorts, Inc., Class A	7,204	384,189
Royal Caribbean Cruises, Ltd. (A)	22,387	2,898,893
Rush Street Interactive, Inc. (A)	9,488	42,601
Sabre Corp. (A)	51,574	226,926
Sands China, Ltd. (A)	340,282	995,994
SeaWorld Entertainment, Inc. (A)	5,513	291,252
Shake Shack, Inc., Class A (A)	5,839	432,787
Six Flags Entertainment Corp. (A)	11,133	279,216
Sodexo SA	12,396	1,364,655
Starbucks Corp.	106,742	10,248,299
Super Group SGHC, Ltd. (A)	22,217	70,428
Sweetgreen, Inc., Class A (A)	15,109	170,732
Target Hospitality Corp. (A)	5,298	51,550
Texas Roadhouse, Inc.	13,244	1,618,814
The Cheesecake Factory, Inc.	7,474	261,665
The Lottery Corp., Ltd.	311,864	1,029,024
The Wendy's Company	33,133	645,431
Travel + Leisure Company	14,362	561,411
Vail Resorts, Inc.	7,554	1,612,552
Whitbread PLC	27,076	1,260,586
Wingstop, Inc.	5,834	1,496,888
Wyndham Hotels & Resorts, Inc.	16,453	1,322,986
Wynn Resorts, Ltd.	9,199	838,121
Xponential Fitness, Inc., Class A (A)	4,111	52,991
Yum! Brands, Inc.	25,772	3,367,370
Zensho Holdings Company, Ltd.	13,300	695,915
		147,802,705
Household durables – 0.9%		
Barratt Developments PLC	136,548	978,163
Beazer Homes USA, Inc. (A)	4,727	159,725
Cavco Industries, Inc. (A)	1,356	470,017
Century Communities, Inc.	4,443	404,935
Cricut, Inc., Class A (B)	7,992	52,667
D.R. Horton, Inc.	28,154	4,278,845
Dream Finders Homes, Inc., Class A (A)	3,859	137,110
Ethan Allen Interiors, Inc.	3,392	108,273
Garmin, Ltd.	14,549	1,870,128
GoPro, Inc., Class A (A)	21,321	73,984
Green Brick Partners, Inc. (A)	4,065	211,136
Hamilton Beach Brands Holding Company, Class B	853	14,919
Helen of Troy, Ltd. (A)	8,401	1,014,925
Hooker Furnishings Corp.	1,702	44,388
Hovnanian Enterprises, Inc., Class A (A)	748	116,404
Iida Group Holdings Company, Ltd.	21,600	322,626
Installed Building Products, Inc.	3,668	670,584
iRobot Corp. (A)	4,317	167,068
KB Home	26,210	1,637,077
Landsea Homes Corp. (A)	3,264	42,889

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
La-Z-Boy, Inc.	6,720	\$ 248,102
Legacy Housing Corp. (A)	1,869	47,136
Leggett & Platt, Inc.	26,440	691,935
Lennar Corp., A Shares	23,226	3,461,603
LGI Homes, Inc. (A)	3,231	430,240
M/I Homes, Inc. (A)	4,168	574,100
MDC Holdings, Inc.	9,287	513,107
Meritage Homes Corp.	5,620	979,004
Mohawk Industries, Inc. (A)	5,021	519,674
NVR, Inc. (A)	293	2,051,132
Open House Group Company, Ltd.	11,000	325,370
Panasonic Holdings Corp.	309,509	3,047,913
Persimmon PLC	44,754	791,079
PulteGroup, Inc.	19,715	2,034,982
SEB SA	3,489	436,912
Sekisui Chemical Company, Ltd.	53,844	774,436
Sekisui House, Ltd.	83,626	1,853,671
Sharp Corp. (A)	36,500	259,789
Skyline Champion Corp. (A)	8,322	617,992
Snap One Holdings Corp. (A)	3,280	29,225
Sonos, Inc. (A)	19,724	338,069
Sony Group Corp.	176,700	16,721,624
Taylor Morrison Home Corp. (A)	37,260	1,987,821
Taylor Wimpey PLC	494,937	926,480
Tempur Sealy International, Inc.	34,165	1,741,390
The Berkeley Group Holdings PLC	14,905	889,845
The Lovesac Company (A)	2,096	53,553
Toll Brothers, Inc.	21,315	2,190,969
TopBuild Corp. (A)	6,301	2,358,212
Tri Pointe Homes, Inc. (A)	14,915	527,991
Vizio Holding Corp., Class A (A)	11,680	89,936
VOXX International Corp. (A)	1,827	19,512
Whirlpool Corp.	5,207	634,056
Worthington Enterprises, Inc.	4,838	278,427
		61,221,150
Leisure products – 0.1%		
Acushnet Holdings Corp.	4,765	301,005
AMMO, Inc. (A)	16,618	34,898
Bandai Namco Holdings, Inc.	83,979	1,679,431
Brunswick Corp.	13,647	1,320,347
Clarus Corp.	4,699	32,400
Escalade, Inc.	1,598	32,104
Funko, Inc., Class A (A)	6,053	46,790
Hasbro, Inc.	12,388	632,531
JAKKS Pacific, Inc. (A)	1,073	38,145
Johnson Outdoors, Inc., Class A	1,002	53,527
Malibu Boats, Inc., Class A (A)	3,188	174,766
MasterCraft Boat Holdings, Inc. (A)	2,580	58,411
Mattel, Inc. (A)	70,053	1,322,601
Polaris, Inc.	10,528	997,739
Shimano, Inc.	10,781	1,660,749
Smith & Wesson Brands, Inc.	7,434	100,805
Solo Brands, Inc., Class A (A)	3,134	19,305
Sturm Ruger & Company, Inc.	2,874	130,623
Topgolf Callaway Brands Corp. (A)	22,333	320,255
Vista Outdoor, Inc. (A)	9,082	268,555
Yamaha Corp.	18,373	423,215
YETI Holdings, Inc. (A)	17,225	891,911
		10,540,113
Specialty retail – 1.7%		
1-800-Flowers.com, Inc., Class A (A)	4,415	47,594
Abercrombie & Fitch Company, Class A (A)	7,576	668,355
Academy Sports & Outdoors, Inc.	11,193	738,738
American Eagle Outfitters, Inc.	28,399	600,923

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
America's Car-Mart, Inc. (A)	984	\$ 74,558
Arko Corp.	13,121	108,248
Asbury Automotive Group, Inc. (A)	3,206	721,254
AutoNation, Inc. (A)	5,144	772,526
AutoZone, Inc. (A)	1,644	4,250,743
Avolta AG (A)	13,709	539,738
Bath & Body Works, Inc.	21,745	938,514
Best Buy Company, Inc.	18,448	1,444,109
Beyond, Inc. (A)	7,008	194,052
Big 5 Sporting Goods Corp.	4,066	25,778
Boot Barn Holdings, Inc. (A)	4,622	354,785
Build-A-Bear Workshop, Inc.	1,890	43,451
Burlington Stores, Inc. (A)	12,868	2,502,569
Caleres, Inc.	5,306	163,053
Camping World Holdings, Inc., Class A	6,337	166,410
CarMax, Inc. (A)	15,029	1,153,325
Carvana Company (A)(B)	14,883	787,906
Chico's FAS, Inc. (A)	18,817	142,633
Designer Brands, Inc., Class A	6,843	60,561
Destination XL Group, Inc. (A)	8,665	38,126
Dick's Sporting Goods, Inc.	12,187	1,790,880
EVgo, Inc. (A)(B)	16,757	59,990
Fast Retailing Company, Ltd.	24,538	6,067,727
Five Below, Inc. (A)	11,044	2,354,139
Floor & Decor Holdings, Inc., Class A (A)	21,135	2,357,821
Foot Locker, Inc.	12,816	399,218
GameStop Corp., Class A (A)(B)	53,271	933,841
Genesco, Inc. (A)	1,771	62,357
Group 1 Automotive, Inc.	2,106	641,782
GrowGeneration Corp. (A)	11,293	28,345
Guess?, Inc.	4,351	100,334
Haverty Furniture Companies, Inc.	2,251	79,911
Hennes & Mauritz AB, B Shares (B)	90,496	1,587,303
Hibbett, Inc.	1,885	135,758
Industria de Diseno Textil SA	152,837	6,668,897
JD Sports Fashion PLC	363,106	766,276
Kingfisher PLC	265,093	821,360
Lands' End, Inc. (A)	2,528	24,168
Leslie's, Inc. (A)	27,786	192,001
Lithia Motors, Inc.	5,458	1,797,210
Lowe's Companies, Inc.	53,866	11,987,878
MarineMax, Inc. (A)	3,420	133,038
Monro, Inc.	4,930	144,646
Murphy USA, Inc.	3,840	1,369,190
National Vision Holdings, Inc. (A)	12,130	253,881
Nitori Holdings Company, Ltd.	11,211	1,505,375
OneWater Marine, Inc., Class A (A)	1,971	66,600
O'Reilly Automotive, Inc. (A)	5,515	5,239,691
Penske Automotive Group, Inc.	3,866	620,532
PetMed Express, Inc.	3,611	27,299
Revolve Group, Inc. (A)	6,333	105,001
RH (A)	3,065	893,386
Ross Stores, Inc.	31,495	4,358,593
Sally Beauty Holdings, Inc. (A)	16,621	220,727
Shoe Carnival, Inc.	2,990	90,328
Signet Jewelers, Ltd.	6,905	740,630
Sleep Number Corp. (A)	3,572	52,973
Sonic Automotive, Inc., Class A	2,314	130,070
Sportsman's Warehouse Holdings, Inc. (A)	7,249	30,881
Stitch Fix, Inc., Class A (A)	14,879	53,118
The Aaron's Company, Inc.	5,286	57,512
The Buckle, Inc.	4,799	228,048
The Cato Corp., Class A	3,390	24,205
The Children's Place, Inc. (A)	1,773	41,169
The Gap, Inc.	42,546	889,637

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
The Home Depot, Inc.	93,402	\$ 32,368,463
The ODP Corp. (A)	5,022	282,739
The TJX Companies, Inc.	106,847	10,023,317
ThredUp, Inc., Class A (A)	13,145	29,576
Tile Shop Holdings, Inc. (A)	4,705	34,629
Tilly's, Inc., Class A (A)	4,137	31,193
Tractor Supply Company	9,834	2,114,605
Ulta Beauty, Inc. (A)	4,507	2,208,385
Upbound Group, Inc.	8,522	289,492
Urban Outfitters, Inc. (A)	9,948	355,044
USS Company, Ltd.	28,848	579,158
Valvoline, Inc. (A)	27,500	1,033,450
Warby Parker, Inc., Class A (A)	13,214	186,317
Williams-Sonoma, Inc.	12,721	2,566,843
Winmark Corp.	437	182,469
Zalando SE (A)(C)	31,412	743,663
ZOZO, Inc.	19,600	442,355
Zumiez, Inc. (A)	2,465	50,138
		126,193,511
Textiles, apparel and luxury goods – 1.4%		
adidas AG	22,698	4,612,385
Allbirds, Inc., Class A (A)	16,614	20,352
Burberry Group PLC	50,926	918,549
Capri Holdings, Ltd. (A)	23,049	1,157,982
Carter's, Inc.	7,303	546,922
Cie Financiere Richemont SA, A Shares	73,138	10,102,118
Columbia Sportswear Company	6,840	544,054
Cross, Inc. (A)	12,012	1,122,041
Deckers Outdoor Corp. (A)	5,103	3,410,998
Figs, Inc., Class A (A)	19,730	137,124
G-III Apparel Group, Ltd. (A)	6,541	222,263
Hanesbrands, Inc. (A)	55,254	246,433
Hermes International SCA	4,437	9,430,908
Kering SA	10,430	4,619,429
Kontoor Brands, Inc.	8,734	545,176
Lululemon Athletica, Inc. (A)	10,735	5,488,698
LVMH Moet Hennessy Louis Vuitton SE	38,689	31,436,238
Moncler SpA	28,859	1,776,830
Movado Group, Inc.	2,285	68,893
NIKE, Inc., Class B	114,118	12,389,791
Oxford Industries, Inc.	2,319	231,900
Pandora A/S	11,846	1,637,769
Puma SE	14,792	822,872
PVH Corp.	11,984	1,463,486
Ralph Lauren Corp.	3,836	553,151
Rocky Brands, Inc.	1,064	32,112
Skechers USA, Inc., Class A (A)	26,495	1,651,698
Steven Madden, Ltd.	11,580	486,360
Tapestry, Inc.	22,018	810,483
The Swatch Group AG	7,373	386,560
The Swatch Group AG, Bearer Shares	4,054	1,103,053
Under Armour, Inc., Class A (A)	37,441	329,106
Under Armour, Inc., Class C (A)	38,360	320,306
Vera Bradley, Inc. (A)	3,920	30,184
VF Corp.	31,397	590,264
Wolverine World Wide, Inc.	12,262	109,009
		99,355,497
		788,512,280
Consumer staples – 6.6%		
Beverages – 1.4%		
Anheuser-Busch InBev SA/NV	121,701	7,855,569
Asahi Group Holdings, Ltd.	67,481	2,512,748
Brown-Forman Corp., Class B	17,380	992,398

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages (continued)		
Budweiser Brewing Company APAC, Ltd. (C)	241,200	\$ 452,178
Carlsberg A/S, Class B	13,797	1,731,304
Celsius Holdings, Inc. (A)	29,405	1,603,161
Coca-Cola Consolidated, Inc.	1,668	1,548,571
Coca-Cola Europacific Partners PLC	28,958	1,932,657
Coca-Cola HBC AG (A)	30,963	909,165
Constellation Brands, Inc., Class A	14,866	3,593,856
Davide Campari-Milano NV	73,236	827,033
Diageo PLC	314,963	11,431,632
Heineken Holding NV	18,161	1,537,767
Heineken NV	40,353	4,099,844
Keurig Dr. Pepper, Inc.	92,234	3,073,237
Kirin Holdings Company, Ltd.	108,892	1,594,193
MGP Ingredients, Inc.	2,457	242,064
Molson Coors Beverage Company, Class B	17,632	1,079,255
Monster Beverage Corp. (A)	68,691	3,957,289
National Beverage Corp. (A)	3,726	185,257
PepsiCo, Inc.	128,725	21,862,654
Pernod Ricard SA	28,654	5,063,786
Primo Water Corp.	24,217	364,466
Remy Cointreau SA	3,230	412,002
Suntory Beverage & Food, Ltd.	19,459	639,810
The Boston Beer Company, Inc., Class A (A)	1,866	644,871
The Coca-Cola Company	363,930	21,446,395
The Duckhorn Portfolio, Inc. (A)	7,407	72,959
The Vita Coco Company, Inc. (A)	4,309	110,526
Treasury Wine Estates, Ltd.	111,841	822,870
		102,599,517
Consumer staples distribution and retail – 1.5%		
Aeon Company, Ltd.	91,578	2,043,514
BJ's Wholesale Club Holdings, Inc. (A)	26,522	1,767,957
Carrefour SA	80,702	1,478,028
Casey's General Stores, Inc.	7,391	2,030,603
Coles Group, Ltd.	187,525	2,059,972
Costco Wholesale Corp.	41,376	27,311,470
Dollar General Corp.	19,986	2,717,097
Dollar Tree, Inc. (A)	19,040	2,704,632
Endeavour Group, Ltd.	200,748	712,917
Grocery Outlet Holding Corp. (A)	19,687	530,762
HelloFresh SE (A)	21,782	343,427
Ingles Markets, Inc., Class A	2,191	189,237
J Sainsbury PLC	232,254	895,437
Jeronimo Martins SGPS SA	39,677	1,009,801
Kesko OYJ, B Shares	38,269	758,633
Kobe Bussan Company, Ltd.	21,100	623,309
Koninklijke Ahold Delhaize NV	134,614	3,873,039
MatsukiyoCocokara & Company	48,100	850,116
Natural Grocers by Vitamin Cottage, Inc.	1,384	22,144
Ocado Group PLC (A)	81,172	784,116
Performance Food Group Company (A)	30,859	2,133,900
PriceSmart, Inc.	3,910	296,300
Seven & i Holdings Company, Ltd.	105,529	4,173,624
SpartanNash Company	5,336	122,461
Sprouts Farmers Market, Inc. (A)	35,949	1,729,506
Sysco Corp.	46,511	3,401,349
Target Corp.	43,044	6,130,326
Tesco PLC	995,690	3,688,757
The Andersons, Inc.	5,012	288,390
The Chefs' Warehouse, Inc. (A)	5,463	160,776
The Kroger Company	62,725	2,867,160
U.S. Foods Holding Corp. (A)	44,857	2,036,956
United Natural Foods, Inc. (A)	9,092	147,563
Village Super Market, Inc., Class A	1,299	34,073

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer staples distribution and retail (continued)		
Walgreens Boots Alliance, Inc.	68,062	\$ 1,777,099
Walmart, Inc.	133,355	21,023,416
Weis Markets, Inc.	2,663	170,325
Woolworths Group, Ltd.	171,157	4,342,243
		107,230,435
Food products – 1.6%		
Ajinomoto Company, Inc.	62,096	2,390,313
Alico, Inc.	1,072	31,174
Archer-Daniels-Midland Company	49,455	3,571,640
Associated British Foods PLC	48,292	1,455,473
B&G Foods, Inc. (B)	11,505	120,803
Barry Callebaut AG	500	844,089
Beyond Meat, Inc. (A)(B)	9,839	87,567
BRC, Inc., Class A (A)(B)	7,174	26,042
Bunge Global SA	13,257	1,338,294
Calavo Growers, Inc.	2,933	86,260
Cal-Maine Foods, Inc.	6,328	363,164
Campbell Soup Company	18,689	807,925
Chocoladefabriken Lindt & Spruengli AG	15	1,819,779
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	134	1,608,484
Conagra Brands, Inc.	45,393	1,300,963
Danone SA	90,216	5,853,080
Darling Ingredients, Inc. (A)	31,638	1,576,838
Dole PLC	10,912	134,108
Flowers Foods, Inc.	38,101	857,654
Fresh Del Monte Produce, Inc.	5,597	146,921
General Mills, Inc.	53,957	3,514,759
Hormel Foods Corp.	27,502	883,089
Ingredion, Inc.	12,929	1,403,184
J&J Snack Foods Corp.	2,330	389,436
JDE Peet's NV	13,660	367,358
John B Sanfilippo & Son, Inc.	1,348	138,898
Kellanova	25,040	1,399,986
Kerry Group PLC, Class A	21,131	1,834,156
Kerry Group PLC, Class A (London Stock Exchange)	1,204	105,369
Kikkoman Corp.	19,046	1,163,840
Lamb Weston Holdings, Inc.	13,849	1,496,938
Lancaster Colony Corp.	7,054	1,173,715
Limoneira Company	2,644	54,546
Lotus Bakeries NV	58	527,154
McCormick & Company, Inc.	23,852	1,631,954
MEIJI Holdings Company, Ltd.	32,900	781,494
Mission Produce, Inc. (A)	7,820	78,904
Mondelez International, Inc., Class A	127,274	9,218,456
Mowi ASA	65,207	1,167,711
Nestle SA	374,098	43,365,388
Nissin Foods Holdings Company, Ltd.	28,125	982,119
Orkla ASA	98,217	762,728
Pilgrim's Pride Corp. (A)	7,983	220,810
Post Holdings, Inc. (A)	10,077	887,381
Salmar ASA	10,168	569,457
Seneca Foods Corp., Class A (A)	801	42,004
Sovos Brands, Inc. (A)	8,499	187,233
SunOpta, Inc. (A)	15,330	83,855
The Hain Celestial Group, Inc. (A)	13,930	152,534
The Hershey Company	13,649	2,544,720
The J.M. Smucker Company	9,700	1,225,886
The Kraft Heinz Company	72,901	2,695,879
The Simply Good Foods Company (A)	14,033	555,707
TreeHouse Foods, Inc. (A)	7,976	330,605
Tyson Foods, Inc., Class A	27,125	1,457,969
Utz Brands, Inc.	11,162	181,271
Vital Farms, Inc. (A)	4,689	73,570

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
Westrock Coffee Company (A)(B)	5,277	\$ 53,878
WH Group, Ltd. (C)	1,168,500	754,616
Wilmar International, Ltd.	269,103	726,948
Yakult Honsha Company, Ltd.	35,906	806,004
		110,412,080
Household products – 0.8%		
Central Garden & Pet Company (A)	1,702	85,287
Central Garden & Pet Company, Class A (A)	5,934	261,333
Church & Dwight Company, Inc.	23,373	2,210,151
Colgate-Palmolive Company	77,069	6,143,170
Energizer Holdings, Inc.	11,052	350,127
Essity AB, B Shares	85,346	2,115,059
Henkel AG & Company KGaA	14,560	1,044,660
Kimberly-Clark Corp.	31,229	3,794,636
Oil-Dri Corp. of America	759	50,914
Reckitt Benckiser Group PLC	100,546	6,938,017
The Clorox Company	11,762	1,677,144
The Procter & Gamble Company	220,333	32,287,598
Unicharm Corp.	56,500	2,043,455
WD-40 Company	2,100	502,047
		59,503,598
Personal care products – 0.8%		
Beiersdorf AG	14,123	2,114,987
BellRing Brands, Inc. (A)	46,491	2,576,996
Coty, Inc., Class A (A)	74,271	922,446
e.l.f. Beauty, Inc. (A)	8,355	1,205,961
Edgewell Personal Care Company	7,798	285,641
Haleon PLC	776,322	3,178,472
Herbalife, Ltd. (A)	15,410	235,157
Inter Parfums, Inc.	2,843	409,420
Kao Corp.	65,275	2,683,167
Kenvue, Inc.	158,448	3,411,385
Kose Corp.	4,700	351,303
L'Oreal SA	33,795	16,846,827
Medifast, Inc.	1,624	109,165
Nature's Sunshine Products, Inc. (A)	2,170	37,519
Nu Skin Enterprises, Inc., Class A	7,685	149,243
Shiseido Company, Ltd.	56,060	1,689,781
The Beauty Health Company (A)	13,535	42,094
The Estee Lauder Companies, Inc., Class A	21,251	3,107,959
Unilever PLC	350,338	16,960,208
USANA Health Sciences, Inc. (A)	1,858	99,589
Waldencast PLC, Class A (A)	5,492	60,082
		56,477,402
Tobacco – 0.5%		
Altria Group, Inc.	165,137	6,661,627
British American Tobacco PLC	297,677	8,709,786
Imperial Brands PLC	119,313	2,747,516
Ispire Technology, Inc. (A)	2,844	34,498
Japan Tobacco, Inc. (B)	168,166	4,342,923
Philip Morris International, Inc.	144,975	13,639,248
Turning Point Brands, Inc.	2,819	74,196
Universal Corp.	3,710	249,757
Vector Group, Ltd.	22,682	255,853
		36,715,404
		472,938,436
Energy – 4.1%		
Energy equipment and services – 0.4%		
Archrock, Inc.	21,271	327,573
Atlas Energy Solutions, Inc.	2,679	46,132
Baker Hughes Company	95,907	3,278,101

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
Borr Drilling, Ltd. (A)	33,942	\$ 249,813
Bristow Group, Inc. (A)	3,650	103,186
Cactus, Inc., Class A	10,048	456,179
ChampionX Corp.	68,896	2,012,452
Core Laboratories, Inc.	7,722	136,371
Diamond Offshore Drilling, Inc. (A)	15,905	206,765
DMC Global, Inc. (A)	3,067	57,721
Dril-Quip, Inc. (A)	5,549	129,125
Expro Group Holdings NV (A)	13,829	220,158
Forum Energy Technologies, Inc. (A)	1,545	34,253
Halliburton Company	82,163	2,970,192
Helix Energy Solutions Group, Inc. (A)	22,422	230,498
Helmerich & Payne, Inc.	15,070	545,835
KLX Energy Services Holdings, Inc. (A)	1,903	21,428
Kodiak Gas Services, Inc.	2,724	54,698
Liberty Energy, Inc.	25,396	460,683
Nabors Industries, Ltd. (A)	1,404	114,609
Newpark Resources, Inc. (A)	11,857	78,730
Noble Corp. PLC	17,440	839,910
NOV, Inc.	78,124	1,584,355
Oceaneering International, Inc. (A)	15,505	329,946
Oil States International, Inc. (A)	9,752	66,216
Patterson-UTI Energy, Inc.	54,939	593,341
ProFrac Holding Corp., Class A (A)	4,432	37,583
ProPetro Holding Corp. (A)	15,182	127,225
Ranger Energy Services, Inc.	2,346	24,000
RPC, Inc.	13,010	94,713
Schlumberger, Ltd.	132,749	6,908,258
SEACOR Marine Holdings, Inc. (A)	3,793	47,754
Seadrill, Ltd. (A)	7,853	371,290
Select Water Solutions, Inc.	12,415	94,230
Solaris Oilfield Infrastructure, Inc., Class A	4,022	32,015
Tenaris SA	66,160	1,150,732
TETRA Technologies, Inc. (A)	19,402	87,697
Tidewater, Inc. (A)	7,224	520,923
U.S. Silica Holdings, Inc. (A)	11,584	131,015
Valaris, Ltd. (A)	21,795	1,494,483
Weatherford International PLC (A)	25,333	2,478,327
		28,748,515
Oil, gas and consumable fuels – 3.7%		
Aker BP ASA	44,277	1,286,140
Amplify Energy Corp. (A)	6,526	38,699
Ampol, Ltd.	33,389	822,876
Antero Midstream Corp.	67,547	846,364
Antero Resources Corp. (A)	56,028	1,270,715
APA Corp.	29,187	1,047,230
Ardmore Shipping Corp.	6,650	93,699
Berry Corp.	11,997	84,339
BP PLC	2,391,209	14,175,249
California Resources Corp.	10,788	589,888
Callon Petroleum Company (A)	9,543	309,193
Centrus Energy Corp., Class A (A)	1,923	104,630
Chesapeake Energy Corp.	22,095	1,699,989
Chevron Corp.	164,009	24,463,582
Chord Energy Corp.	14,615	2,429,451
Civitas Resources, Inc.	29,443	2,013,312
Clean Energy Fuels Corp. (A)	26,388	101,066
CNX Resources Corp. (A)	55,620	1,112,400
Comstock Resources, Inc.	14,154	125,263
ConocoPhillips	110,807	12,861,368
CONSOL Energy, Inc.	4,722	474,703
Coterra Energy, Inc.	71,953	1,836,241
Crescent Energy Company, Class A	12,238	161,664
CVR Energy, Inc.	4,500	136,350
Delek US Holdings, Inc.	9,862	254,440

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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)		
Devon Energy Corp.	60,861	\$ 2,757,003
DHT Holdings, Inc.	21,290	208,855
Diamondback Energy, Inc.	16,986	2,634,189
Dorian LPG, Ltd.	5,273	231,327
DT Midstream, Inc.	19,218	1,053,146
Empire Petroleum Corp. (A)	2,136	23,475
Encore Energy Corp. (A)	22,932	90,123
ENEOS Holdings, Inc.	403,711	1,601,212
Energy Fuels, Inc. (A)(B)	24,535	176,407
Eni SpA	331,108	5,616,051
EOG Resources, Inc.	54,371	6,576,172
EQT Corp.	38,222	1,477,663
Equinor ASA	126,231	4,000,506
Equitrans Midstream Corp.	153,629	1,563,943
Evolution Petroleum Corp.	5,942	34,523
Excelerate Energy, Inc., Class A	3,048	47,122
Exxon Mobil Corp.	374,191	37,411,616
FLEX LNG, Ltd.	4,538	131,874
FutureFuel Corp.	4,959	30,151
Galp Energia SGPS SA	63,640	936,378
Gevo, Inc. (A)(B)	40,845	47,380
Golar LNG, Ltd.	15,491	356,138
Granite Ridge Resources, Inc.	5,585	33,622
Green Plains, Inc. (A)	9,002	227,030
Gulfport Energy Corp. (A)	1,713	228,172
Hallador Energy Company (A)	3,314	29,296
Hess Corp.	25,441	3,667,575
HF Sinclair Corp.	31,048	1,725,337
HighPeak Energy, Inc.	2,086	29,705
Idemitsu Kosan Company, Ltd.	135,430	735,447
Inpex Corp.	136,041	1,820,466
International Seaways, Inc.	6,307	286,842
Kinder Morgan, Inc.	177,809	3,136,551
Kinetik Holdings, Inc.	2,846	95,056
Kosmos Energy, Ltd. (A)	71,093	477,034
Magnolia Oil & Gas Corp., Class A	27,640	588,456
Marathon Oil Corp.	52,909	1,278,281
Marathon Petroleum Corp.	35,604	5,282,209
Matador Resources Company	39,475	2,244,549
Murphy Oil Corp.	52,052	2,220,538
NACCO Industries, Inc., Class A	665	24,273
Neste OYJ	59,276	2,107,250
NextDecade Corp. (A)(B)	12,701	60,584
Nordic American Tankers, Ltd.	31,166	130,897
Northern Oil and Gas, Inc.	13,603	504,263
Occidental Petroleum Corp.	61,093	3,647,863
OMV AG	20,634	905,269
ONEOK, Inc.	53,685	3,769,761
Overseas Shipholding Group, Inc., Class A	10,401	54,813
Ovintiv, Inc.	50,334	2,210,669
Par Pacific Holdings, Inc. (A)	8,575	311,873
PBF Energy, Inc., Class A	38,864	1,708,461
Peabody Energy Corp.	17,696	430,367
Permian Resources Corp.	142,739	1,941,250
Phillips 66	41,139	5,477,246
Pioneer Natural Resources Company	21,649	4,868,427
Range Resources Corp.	47,856	1,456,737
Repsol SA	178,977	2,654,930
REX American Resources Corp. (A)	2,442	115,507
Riley Exploration Permian, Inc.	1,519	41,378
Ring Energy, Inc. (A)	22,058	32,205
SandRidge Energy, Inc.	4,602	62,909
Santos, Ltd.	455,048	2,366,024
Scorpio Tankers, Inc.	7,405	450,224
SFL Corp., Ltd.	17,746	200,175

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Shell PLC	927,149	\$ 30,349,356
SilverBow Resources, Inc. (A)	3,323	96,633
Sitio Royalties Corp., Class A	12,756	299,894
SM Energy Company	18,238	706,175
Southwestern Energy Company (A)	218,443	1,430,802
Talos Energy, Inc. (A)	17,317	246,421
Targa Resources Corp.	21,250	1,845,988
Teekay Corp. (A)	9,549	68,275
Teekay Tankers, Ltd., Class A	3,783	189,037
Tellurian, Inc. (A)(B)	89,080	67,309
The Williams Companies, Inc.	112,357	3,913,394
TotalEnergies SE	321,085	21,833,451
Uranium Energy Corp. (A)	58,785	376,224
VAALCO Energy, Inc.	16,544	74,283
Valero Energy Corp.	31,830	4,137,900
Vertex Energy, Inc. (A)	11,337	38,432
Vital Energy, Inc. (A)	3,697	168,177
Vitesse Energy, Inc.	3,797	83,116
W&T Offshore, Inc.	16,507	53,813
Woodside Energy Group, Ltd.	266,038	5,617,820
World Kinect Corp.	9,296	211,763
		266,791,889
		295,540,404
Financials – 14.7%		
Banks – 5.7%		
Ist Source Corp.	2,651	145,672
ABN AMRO Bank NV (C)	66,703	1,003,112
ACNB Corp.	1,433	64,141
AIB Group PLC	220,151	942,854
Amalgamated Financial Corp.	2,713	73,088
Amerant Bancorp, Inc.	4,021	98,796
American National Bankshares, Inc.	1,646	80,243
Ameris Bancorp	10,086	535,062
Ames National Corp.	1,471	31,391
ANZ Group Holdings, Ltd.	421,076	7,439,581
Arrow Financial Corp.	2,396	66,944
Associated Banc-Corp.	52,218	1,116,943
Atlantic Union Bankshares Corp.	11,576	422,987
Axos Financial, Inc. (A)	8,555	467,103
Banc of California, Inc.	20,035	269,070
BancFirst Corp.	3,444	335,205
Banco Bilbao Vizcaya Argentaria SA	835,830	7,617,970
Banco BPM SpA	169,800	899,761
Banco Santander SA	2,267,580	9,484,563
Bank First Corp. (B)	1,498	129,817
Bank Hapoalim BM	177,998	1,599,058
Bank Leumi Le-Israel BM	213,553	1,718,636
Bank of America Corp.	643,358	21,661,864
Bank of Hawaii Corp. (B)	6,019	436,137
Bank of Ireland Group PLC	148,048	1,344,046
Bank of Marin Bancorp	2,477	54,544
Bank OZK	20,867	1,039,803
BankUnited, Inc.	11,302	366,524
Bankwell Financial Group, Inc.	1,076	32,474
Banner Corp.	5,279	282,743
Banque Cantonale Vaudoise	4,220	544,248
Bar Harbor Bankshares	2,551	74,897
Barclays PLC	2,116,534	4,144,314
BayCom Corp.	1,988	46,897
BCB Bancorp, Inc.	2,333	29,979
Berkshire Hills Bancorp, Inc.	7,054	175,151
Blue Foundry Bancorp (A)	4,076	39,415
BNP Paribas SA	147,182	10,221,151
BOC Hong Kong Holdings, Ltd.	518,241	1,407,814
Bridgewater Bancshares, Inc. (A)	3,585	48,469

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Brookline Bancorp, Inc.	14,178	\$ 154,682
Burke & Herbert Financial Services Corp.	1,002	63,026
Business First Bancshares, Inc.	3,841	94,681
Byline Bancorp, Inc.	4,192	98,764
C&F Financial Corp.	507	34,572
Cadence Bank	64,127	1,897,518
CaixaBank SA	578,122	2,380,900
Cambridge Bancorp	1,187	82,378
Camden National Corp.	2,216	83,388
Capital Bancorp, Inc.	1,720	41,624
Capital City Bank Group, Inc.	2,197	64,658
Capitol Federal Financial, Inc.	20,758	133,889
Capstar Financial Holdings, Inc.	3,077	57,663
Carter Bankshares, Inc. (A)	3,666	54,880
Cathay General Bancorp	10,576	471,372
Central Pacific Financial Corp.	3,950	77,736
Central Valley Community Bancorp	1,525	34,084
Chemung Financial Corp.	661	32,918
ChoiceOne Financial Services, Inc.	1,148	33,636
Citigroup, Inc.	178,719	9,193,305
Citizens & Northern Corp.	2,800	62,804
Citizens Financial Group, Inc.	41,355	1,370,505
Citizens Financial Services, Inc.	610	39,479
City Holding Company	2,264	249,629
Civista Bancshares, Inc.	2,694	49,677
CNB Financial Corp.	3,333	75,292
Coastal Financial Corp. (A)	1,667	74,031
Codorus Valley Bancorp, Inc.	1,604	41,223
Colony Bancorp, Inc.	2,888	38,410
Columbia Banking System, Inc.	41,365	1,103,618
Columbia Financial, Inc. (A)	4,817	92,872
Comerica, Inc.	12,517	698,574
Commerce Bancshares, Inc.	23,552	1,257,912
Commerzbank AG	147,704	1,755,580
Commonwealth Bank of Australia	234,851	17,899,632
Community Bank System, Inc.	8,182	426,364
Community Trust Bancorp, Inc.	2,434	106,755
Concordia Financial Group, Ltd.	148,546	677,098
ConnectOne Bancorp, Inc.	5,637	129,144
Credit Agricole SA	149,704	2,128,290
CrossFirst Bankshares, Inc. (A)	7,262	98,618
Cullen/Frost Bankers, Inc.	12,702	1,378,040
Customers Bancorp, Inc. (A)	4,442	255,948
CVB Financial Corp.	20,428	412,441
Danske Bank A/S	96,642	2,583,366
DBS Group Holdings, Ltd.	253,783	6,417,872
Dime Community Bancshares, Inc.	5,485	147,711
DNB Bank ASA	129,682	2,757,200
Eagle Bancorp, Inc.	4,699	141,628
East West Bancorp, Inc.	27,949	2,010,931
Eastern Bankshares, Inc.	24,421	346,778
Enterprise Financial Services Corp.	5,600	250,040
Equity Bancshares, Inc., Class A	2,411	81,733
Erste Group Bank AG	48,175	1,951,324
Esquire Financial Holdings, Inc.	1,046	52,258
ESSA Bancorp, Inc.	1,637	32,773
Evans Bancorp, Inc.	1,018	32,098
Farmers & Merchants Bancorp, Inc.	2,104	52,179
Farmers National Banc Corp. (B)	5,754	83,145
FB Financial Corp.	5,616	223,798
Fidelity D&D Bancorp, Inc.	773	44,857
Fifth Third Bancorp	64,678	2,230,744
Financial Institutions, Inc.	2,453	52,249
FinecoBank SpA	85,555	1,287,103
First Bancorp (North Carolina)	6,247	231,201

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
First Bancorp (Puerto Rico)	26,012	\$ 427,897
First Bank	3,409	50,112
First Busey Corp.	8,154	202,382
First Business Financial Services, Inc.	1,340	53,734
First Commonwealth Financial Corp.	16,075	248,198
First Community Bankshares, Inc.	2,975	110,373
First Financial Bancorp	14,439	342,926
First Financial Bankshares, Inc.	45,651	1,383,225
First Financial Corp.	1,709	73,538
First Foundation, Inc.	8,065	78,069
First Horizon Corp.	110,816	1,569,155
First Interstate BancSystem, Inc., Class A	12,737	391,663
First Merchants Corp.	9,181	340,431
First Mid Bancshares, Inc.	3,470	120,270
First Western Financial, Inc. (A)	1,290	25,581
Five Star Bancorp	1,913	50,082
Flushing Financial Corp.	4,467	73,616
FNB Corp.	71,163	979,915
FS Bancorp, Inc.	1,264	46,717
Fulton Financial Corp.	24,441	402,299
German American Bancorp, Inc.	4,639	150,350
Glacier Bancorp, Inc.	39,250	1,621,810
Great Southern Bancorp, Inc.	1,497	88,847
Greene County Bancorp, Inc.	1,302	36,716
Guaranty Bancshares, Inc.	1,310	44,042
Hancock Whitney Corp.	30,379	1,476,116
Hang Seng Bank, Ltd.	107,190	1,251,491
Hanmi Financial Corp.	4,487	87,048
HarborOne Bancorp, Inc.	6,877	82,386
HBT Financial, Inc.	2,590	54,675
Heartland Financial USA, Inc.	6,619	248,941
Heritage Commerce Corp.	9,141	90,679
Heritage Financial Corp.	5,237	112,019
Hilltop Holdings, Inc.	7,195	253,336
Home Bancorp, Inc.	1,215	51,042
Home BancShares, Inc.	66,343	1,680,468
HomeStreet, Inc.	3,058	31,497
HomeTrust Bancshares, Inc.	2,543	68,458
Hope Bancorp, Inc.	17,387	210,035
Horizon Bancorp, Inc.	6,740	96,449
HSBC Holdings PLC	2,730,155	22,086,844
Huntington Bancshares, Inc.	137,537	1,749,471
Independent Bank Corp. (Massachusetts)	6,820	448,824
Independent Bank Corp. (Michigan)	3,088	80,350
Independent Bank Group, Inc.	5,626	286,251
ING Groep NV	507,137	7,604,283
International Bancshares Corp.	18,870	1,025,018
Intesa Sanpaolo SpA	2,177,392	6,371,905
Israel Discount Bank, Ltd., Class A	173,319	867,795
Japan Post Bank Company, Ltd.	202,700	2,062,862
John Marshall Bancorp, Inc.	1,961	44,240
JPMorgan Chase & Co.	269,979	45,923,428
KBC Group NV	35,070	2,276,020
Kearny Financial Corp.	8,920	80,012
KeyCorp	88,902	1,280,189
Lakeland Bancorp, Inc.	9,993	147,796
Lakeland Financial Corp.	3,840	250,214
LCNB Corp.	1,814	28,607
Live Oak Bancshares, Inc.	5,188	236,054
Lloyds Banking Group PLC	8,903,618	5,400,364
Luther Burbank Corp. (A)	1,832	19,621
M&T Bank Corp.	15,758	2,160,107
Macatawa Bank Corp.	5,177	58,397
MainStreet Bancshares, Inc.	1,178	29,226

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Mediobanca Banca di Credito Finanziario SpA	77,345	\$ 958,441
Mercantile Bank Corp.	2,651	107,047
Metrocity Bankshares, Inc.	3,135	75,303
Metropolitan Bank Holding Corp. (A)	1,591	88,110
Mid Penn Bancorp, Inc.	2,611	63,395
Middlefield Banc Corp.	1,342	43,441
Midland States Bancorp, Inc.	3,332	91,830
MidWestOne Financial Group, Inc.	2,291	61,651
Mitsubishi UFJ Financial Group, Inc.	1,599,968	13,731,131
Mizrahi Tefahot Bank, Ltd.	21,643	837,842
Mizuho Financial Group, Inc.	337,950	5,764,688
MVB Financial Corp.	1,857	41,894
National Australia Bank, Ltd.	438,403	9,163,014
National Bank Holdings Corp., Class A	5,655	210,309
National Bankshares, Inc.	927	29,988
NatWest Group PLC	807,124	2,248,166
NBT Bancorp, Inc.	7,134	298,986
New York Community Bancorp, Inc.	143,284	1,465,795
Nicolet Bankshares, Inc.	2,002	161,121
Nordea Bank ABP	448,500	5,568,057
Northeast Bank	1,092	60,267
Northeast Community Bancorp, Inc.	1,765	31,311
Northfield Bancorp, Inc.	6,165	77,556
Northrim Bancorp, Inc.	867	49,601
Northwest Bancshares, Inc.	19,328	241,213
Norwood Financial Corp.	1,151	37,879
Oak Valley Bancorp	1,319	39,504
OceanFirst Financial Corp.	8,901	154,521
OFG Bancorp	7,053	264,346
Old National Bancorp	102,838	1,736,934
Old Second Bancorp, Inc.	7,332	113,206
Orange County Bancorp, Inc.	824	49,638
Origin Bancorp, Inc.	4,611	164,013
Orstown Financial Services, Inc.	1,675	49,413
Oversea-Chinese Banking Corp., Ltd.	474,424	4,668,051
Pacific Premier Bancorp, Inc.	14,582	424,482
Park National Corp.	2,213	294,019
Pathward Financial, Inc.	4,007	212,091
PCB Bancorp	1,900	35,017
Peapack-Gladstone Financial Corp.	2,590	77,234
Penns Woods Bancorp, Inc.	1,441	32,437
Peoples Bancorp, Inc.	5,566	187,908
Peoples Financial Services Corp.	1,123	54,690
Pinnacle Financial Partners, Inc.	15,226	1,328,012
Plumas Bancorp	1,063	43,955
Ponce Financial Group, Inc. (A)	3,535	34,502
Preferred Bank	1,998	145,954
Premier Financial Corp.	5,495	132,430
Primis Financial Corp.	3,323	42,069
Princeton Bancorp, Inc.	844	30,300
Prosperity Bancshares, Inc.	18,586	1,258,830
Provident Financial Services, Inc.	11,478	206,948
QCR Holdings, Inc.	2,556	149,245
RBB Bancorp	2,465	46,934
Red River Bancshares, Inc.	769	43,149
Regions Financial Corp.	83,021	1,608,947
Renasant Corp.	8,620	290,322
Republic Bancorp, Inc., Class A	1,339	73,859
Resona Holdings, Inc.	297,846	1,509,881
S&T Bancorp, Inc.	5,910	197,512
Sandy Spring Bancorp, Inc.	6,924	188,610
Seacoast Banking Corp. of Florida	12,972	369,183
ServisFirst Bancshares, Inc.	7,903	526,577
Shizuoka Financial Group, Inc.	65,608	554,779

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Shore Bancshares, Inc.	4,907	\$ 69,925
Sierra Bancorp	2,254	50,828
Simmons First National Corp., Class A	19,141	379,757
Skandinaviska Enskilda Banken AB, A Shares	222,340	3,068,446
SmartFinancial, Inc.	2,771	67,862
Societe Generale SA	103,498	2,753,597
South Plains Financial, Inc.	1,794	51,954
Southern First Bancshares, Inc. (A)	1,294	48,007
Southern Missouri Bancorp, Inc.	1,537	82,060
Southern States Bancshares, Inc.	1,221	35,751
Southside Bancshares, Inc.	4,475	140,157
SouthState Corp.	26,689	2,253,886
Standard Chartered PLC	321,095	2,724,856
Stellar Bancorp, Inc.	7,663	213,338
Stock Yards Bancorp, Inc.	4,317	222,282
Sumitomo Mitsui Financial Group, Inc.	178,058	8,664,267
Sumitomo Mitsui Trust Holdings, Inc.	91,766	1,757,491
Summit Financial Group, Inc.	1,777	54,536
Svenska Handelsbanken AB, A Shares	204,365	2,220,923
Swedbank AB, A Shares	118,956	2,405,010
Synovus Financial Corp.	29,003	1,091,963
Texas Capital Bancshares, Inc. (A)	16,898	1,092,118
The Bancorp, Inc. (A)	8,076	311,411
The Bank of NT Butterfield & Son, Ltd.	7,383	236,330
The Chiba Bank, Ltd.	74,264	535,043
The First Bancshares, Inc.	4,883	143,218
The First of Long Island Corp.	3,379	44,738
The Hingham Institution for Savings (B)	262	50,933
The PNC Financial Services Group, Inc.	37,074	5,740,909
Third Coast Bancshares, Inc. (A)	2,022	40,177
Timberland Bancorp, Inc.	1,207	37,972
Tompkins Financial Corp.	2,231	134,373
Towne Bank	10,970	326,467
TriCo Bancshares	4,854	208,576
Triumph Financial, Inc. (A)	3,464	277,744
Truist Financial Corp.	123,407	4,556,186
Trustmark Corp.	9,595	267,509
U.S. Bancorp	144,934	6,272,744
UMB Financial Corp.	15,471	1,292,602
UniCredit SpA	225,047	6,127,961
United Bankshares, Inc.	46,823	1,758,204
United Community Banks, Inc.	17,709	518,165
United Overseas Bank, Ltd.	177,139	3,823,226
Unity Bancorp, Inc.	1,328	39,296
Univest Financial Corp.	4,465	98,364
USCB Financial Holdings, Inc. (A)	2,025	24,806
Valley National Bancorp	150,950	1,639,317
Veritex Holdings, Inc.	8,000	186,160
Virginia National Bankshares Corp.	765	26,301
WaFd, Inc.	9,814	323,469
Washington Trust Bancorp, Inc.	2,626	85,030
Webster Financial Corp.	34,118	1,731,830
Wells Fargo & Company	339,237	16,697,245
WesBanco, Inc.	9,103	285,561
West Bancorp, Inc.	3,052	64,702
Westamerica Bancorp	3,950	222,820
Westpac Banking Corp.	491,663	7,671,160
Wintrust Financial Corp.	12,144	1,126,356
WFSF Financial Corp.	9,469	434,911
Zions Bancorp NA	14,072	617,339
		410,511,238
Capital markets – 2.7%		
3i Group PLC	136,377	4,197,617
abrdn PLC	264,250	600,789

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Affiliated Managers Group, Inc.	6,705	\$ 1,015,271
AITi Global, Inc. (A)	3,627	31,773
Ameriprise Financial, Inc.	9,450	3,589,394
Amundi SA (C)	8,602	586,738
Artisan Partners Asset Management, Inc., Class A	9,349	413,039
AssetMark Financial Holdings, Inc. (A)	3,406	102,010
ASX, Ltd.	27,124	1,165,328
B. Riley Financial, Inc. (B)	3,255	68,322
Bakkt Holdings, Inc. (A)(B)	11,422	25,471
BGC Group, Inc., Class A	55,799	402,869
BlackRock, Inc.	13,066	10,606,979
BrightSphere Investment Group, Inc.	5,293	101,414
Cboe Global Markets, Inc.	10,023	1,789,707
CME Group, Inc.	33,593	7,074,686
Cohen & Steers, Inc.	4,000	302,920
Daiwa Securities Group, Inc.	186,908	1,254,560
Deutsche Bank AG	271,569	3,707,214
Deutsche Boerse AG	26,621	5,482,187
Diamond Hill Investment Group, Inc.	423	70,045
Donnelley Financial Solutions, Inc. (A)	3,815	237,942
Ellington Financial, Inc.	11,707	148,796
EQT AB	49,826	1,410,756
Euronext NV (C)	12,005	1,043,314
Evercore, Inc., Class A	6,874	1,175,798
FactSet Research Systems, Inc.	3,624	1,728,829
Federated Hermes, Inc.	17,104	579,141
Forge Global Holdings, Inc. (A)	16,709	57,312
Franklin Resources, Inc.	27,017	804,836
Futu Holdings, Ltd., ADR (A)	7,700	420,651
GCM Grosvenor, Inc., Class A	7,571	67,836
Hamilton Lane, Inc., Class A	5,626	638,213
Hargreaves Lansdown PLC	49,841	465,811
Hong Kong Exchanges & Clearing, Ltd.	168,771	5,788,889
Houlihan Lokey, Inc.	10,236	1,227,399
Interactive Brokers Group, Inc., Class A	21,223	1,759,387
Intercontinental Exchange, Inc.	53,390	6,856,878
Invesco, Ltd.	42,617	760,287
Janus Henderson Group PLC	26,283	792,432
Japan Exchange Group, Inc.	70,400	1,485,826
Jefferies Financial Group, Inc.	33,386	1,349,128
Julius Baer Group, Ltd.	28,863	1,619,158
London Stock Exchange Group PLC	58,352	6,897,879
Macquarie Group, Ltd.	51,442	6,439,598
MarketAxess Holdings, Inc.	3,579	1,048,110
Moelis & Company, Class A	10,287	577,409
Moody's Corp.	14,707	5,743,966
Morgan Stanley	118,122	11,014,877
Morningstar, Inc.	5,166	1,478,716
MSCI, Inc.	7,310	4,134,902
Nasdaq, Inc.	32,202	1,872,224
Nomura Holdings, Inc.	421,113	1,896,511
Northern Trust Corp.	19,664	1,659,248
Open Lending Corp. (A)	16,390	139,479
P10, Inc., Class A	7,323	74,841
Partners Group Holding AG	3,180	4,598,121
Patria Investments, Ltd., Class A	8,469	131,354
Perella Weinberg Partners	6,461	79,018
Piper Sandler Companies	2,655	464,280
PJT Partners, Inc., Class A	3,653	372,131
Raymond James Financial, Inc.	17,854	1,990,721
S&P Global, Inc.	30,251	13,326,171
SBI Holdings, Inc.	34,590	776,314
Schroders PLC	112,940	617,529
SEI Investments Company	19,833	1,260,387

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Silvercrest Asset Management Group, Inc., Class A	2,049	\$ 34,833
Singapore Exchange, Ltd.	120,148	893,828
St. James's Place PLC	76,867	668,766
State Street Corp.	28,677	2,221,320
StepStone Group, Inc., Class A	8,476	269,791
Stifel Financial Corp.	20,228	1,398,766
StoneX Group, Inc. (A)	4,195	309,717
T. Rowe Price Group, Inc.	20,234	2,178,999
The Bank of New York Mellon Corp.	71,590	3,726,260
The Blackstone Group, Inc.	66,311	8,681,436
The Carlyle Group, Inc.	42,932	1,746,903
The Charles Schwab Corp.	138,827	9,551,298
The Goldman Sachs Group, Inc.	30,492	11,762,899
UBS Group AG	460,825	14,313,943
Victory Capital Holdings, Inc., Class A	4,106	141,411
Virtus Investment Partners, Inc.	1,064	257,233
WisdomTree, Inc.	22,799	157,997
		197,916,138
Consumer finance – 0.4%		
Ally Financial, Inc.	53,838	1,880,023
American Express Company	53,786	10,076,269
Atlanticus Holdings Corp. (A)	848	32,792
Bread Financial Holdings, Inc.	7,698	253,572
Capital One Financial Corp.	35,348	4,634,830
Discover Financial Services	22,697	2,551,143
Encore Capital Group, Inc. (A)	3,593	182,345
Enova International, Inc. (A)	4,462	247,016
FirstCash Holdings, Inc.	13,211	1,431,940
Green Dot Corp., Class A (A)	7,827	77,487
LendingClub Corp. (A)	17,490	152,863
LendingTree, Inc. (A)	1,641	49,755
Navient Corp.	13,146	244,779
Nelnet, Inc., Class A	2,034	179,439
NerdWallet, Inc., Class A (A)	5,333	78,502
PRA Group, Inc. (A)	6,116	160,239
PROG Holdings, Inc. (A)	6,767	209,168
Regional Management Corp.	1,500	37,620
SLM Corp.	44,874	857,991
Synchrony Financial	39,723	1,517,021
Upstart Holdings, Inc. (A)(B)	11,359	464,129
World Acceptance Corp. (A)	658	85,889
		25,404,812
Financial services – 2.7%		
Adyen NV (A)(C)	3,042	3,927,043
Alerus Financial Corp.	2,811	62,938
A-Mark Precious Metals, Inc.	2,841	85,940
AvidXchange Holdings, Inc. (A)	23,235	287,882
Banco Latinoamericano de Comercio Exterior SA, Class E	4,103	101,508
Berkshire Hathaway, Inc., Class B (A)	169,989	60,628,277
Cannae Holdings, Inc. (A)	10,719	209,128
Cantaloupe, Inc. (A)	8,742	64,778
Cass Information Systems, Inc.	2,309	104,020
Compass Diversified Holdings	9,914	222,569
Edenred SE	34,970	2,092,770
Enact Holdings, Inc.	4,511	130,323
Equitable Holdings, Inc.	63,101	2,101,263
Essent Group, Ltd.	37,337	1,969,153
Eurazeo SE	6,105	485,434
Euronet Worldwide, Inc. (A)	8,689	881,847
EVERTEC, Inc.	10,092	413,166
EXOR NV	13,114	1,312,680
Federal Agricultural Mortgage Corp., Class C	1,400	267,708

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
Fidelity National Information Services, Inc.	54,434	\$ 3,269,850
Fiserv, Inc. (A)	56,035	7,443,689
FleetCor Technologies, Inc. (A)	6,607	1,867,204
Flywire Corp. (A)	16,577	383,758
Global Payments, Inc.	23,841	3,027,807
Groupe Bruxelles Lambert NV	12,333	971,260
i3 Verticals, Inc., Class A (A)	3,738	79,133
Industrivarden AB, A Shares	18,211	595,387
Industrivarden AB, C Shares	20,479	668,228
International Money Express, Inc. (A)	4,862	107,402
Investor AB, B Shares	242,511	5,623,758
Jack Henry & Associates, Inc.	6,922	1,131,124
Jackson Financial, Inc., Class A	12,832	656,998
L.E. Lundbergforetagen AB, B Shares	10,648	579,857
M&G PLC	314,310	889,533
Marqeta, Inc., Class A (A)	74,763	521,846
Mastercard, Inc., Class A	77,386	33,005,903
Merchants Bancorp	2,502	106,535
MGIC Investment Corp.	54,997	1,060,892
Mitsubishi HC Capital, Inc.	112,996	757,050
Mr. Cooper Group, Inc. (A)	9,976	649,637
NewtekOne, Inc.	3,959	54,634
Nexi SpA (A)(C)	82,743	677,914
NMI Holdings, Inc., Class A (A)	12,557	372,692
Ocwen Financial Corp. (A)	1,021	31,406
ORIX Corp.	164,383	3,087,307
PagSeguro Digital, Ltd., Class A (A)	30,733	383,241
Payoneer Global, Inc. (A)	41,421	215,803
PayPal Holdings, Inc. (A)	100,481	6,170,538
Paysafe, Ltd. (A)	5,550	70,985
PennyMac Financial Services, Inc.	3,940	348,178
Radian Group, Inc.	24,267	692,823
Remitly Global, Inc. (A)	20,788	403,703
Repay Holdings Corp. (A)	12,932	110,439
Sofina SA	2,160	538,543
StoneCo, Ltd., Class A (A)	45,101	813,171
The Western Union Company	72,260	861,339
TrustCo Bank Corp. NY	3,051	94,734
Velocity Financial, Inc. (A)	1,359	23,402
Visa, Inc., Class A	148,908	38,768,198
Voya Financial, Inc.	20,718	1,511,585
Walker & Dunlop, Inc.	4,915	545,614
Washington H. Soul Pattinson & Company, Ltd.	32,873	734,373
Waterstone Financial, Inc.	2,708	38,454
WEX, Inc. (A)	8,476	1,649,006
Wise PLC, Class A (A)	86,149	958,104
Worldline SA (A)(C)	33,695	585,956
		198,487,420
Insurance – 3.1%		
Admiral Group PLC	36,479	1,247,163
Aegon, Ltd.	227,515	1,322,782
Aflac, Inc.	49,677	4,098,353
Ageas SA/NV	22,386	973,131
AIA Group, Ltd.	1,608,335	13,997,145
Allianz SE	56,509	15,101,535
Ambac Financial Group, Inc. (A)	7,163	118,046
American Coastal Insurance Corp. (A)	3,250	30,745
American Equity Investment Life Holding Company (A)	12,159	678,472
American Financial Group, Inc.	12,960	1,540,814
American International Group, Inc.	65,724	4,452,801
AMERISAFE, Inc.	2,955	138,235
Aon PLC, Class A	18,729	5,450,514
Arch Capital Group, Ltd. (A)	35,427	2,631,163

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Arthur J. Gallagher & Company	20,020	\$ 4,502,098
ASR Nederland NV	22,213	1,049,340
Assicurazioni Generali SpA	142,006	3,000,234
Assurant, Inc.	5,037	848,684
Aviva PLC	383,698	2,123,165
AXA SA	252,763	8,254,341
Baloise Holding AG	6,417	1,006,111
Brighthouse Financial, Inc. (A)	12,733	673,830
Brown & Brown, Inc.	22,360	1,590,020
BRP Group, Inc., Class A (A)	9,373	225,139
Chubb, Ltd.	38,159	8,623,934
Cincinnati Financial Corp.	14,900	1,541,554
CNO Financial Group, Inc.	39,423	1,099,902
Crawford & Company, Class A	2,295	30,248
Dai-ichi Life Holdings, Inc.	131,737	2,794,526
Donegal Group, Inc., Class A	3,536	49,469
eHealth, Inc. (A)	4,516	39,380
Employers Holdings, Inc.	4,050	159,570
Enstar Group, Ltd. (A)	1,861	547,785
Erie Indemnity Company, Class A	4,947	1,656,849
Everest Group, Ltd.	4,123	1,457,810
F&G Annuities & Life, Inc.	2,940	135,240
Fidelis Insurance Holdings, Ltd. (A)	2,596	32,891
Fidelity National Financial, Inc.	51,276	2,616,102
First American Financial Corp.	20,463	1,318,636
Genworth Financial, Inc., Class A (A)	71,796	479,597
Gjensidige Forsikring ASA	28,021	517,094
Globe Life, Inc.	8,260	1,005,407
Goosehead Insurance, Inc., Class A (A)	3,336	252,869
Greenlight Capital Re, Ltd., Class A (A)	4,075	46,537
Hannover Rueck SE	8,448	2,019,950
HCI Group, Inc.	989	86,439
Helvetia Holding AG	5,201	717,149
Horace Mann Educators Corp.	6,486	212,092
Insurance Australia Group, Ltd.	341,394	1,319,614
Investors Title Company	181	29,347
James River Group Holdings, Ltd.	6,298	58,194
Japan Post Holdings Company, Ltd.	291,000	2,597,891
Japan Post Insurance Company, Ltd.	26,800	475,717
Kemper Corp.	11,947	581,460
Kinsale Capital Group, Inc.	4,366	1,462,217
Legal & General Group PLC	837,678	2,676,958
Lemonade, Inc. (A)(B)	7,873	126,991
Loews Corp.	17,566	1,222,418
Marsh & McLennan Companies, Inc.	46,177	8,749,156
MBIA, Inc. (A)	7,512	45,973
Medibank Private, Ltd.	385,865	936,791
Mercury General Corp.	4,286	159,911
MetLife, Inc.	58,170	3,846,782
MS&AD Insurance Group Holdings, Inc.	60,051	2,361,134
Muenchener Rueckversicherungs-Gesellschaft AG	19,121	7,931,648
National Western Life Group, Inc., Class A	360	173,887
NN Group NV	37,936	1,499,263
Old Republic International Corp.	51,712	1,520,333
Oscar Health, Inc., Class A (A)	24,379	223,068
Palomar Holdings, Inc. (A)	3,803	211,067
Phoenix Group Holdings PLC	105,249	716,655
Poste Italiane SpA (C)	73,201	832,056
Primerica, Inc.	6,948	1,429,620
Principal Financial Group, Inc.	19,707	1,550,350
ProAssurance Corp.	8,439	116,374
Prudential Financial, Inc.	33,419	3,465,884
Prudential PLC	385,758	4,352,386
QBE Insurance Group, Ltd.	209,313	2,120,881

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Reinsurance Group of America, Inc.	13,071	\$ 2,114,626
RenaissanceRe Holdings, Ltd.	10,411	2,040,556
RLI Corp.	7,963	1,060,035
Safety Insurance Group, Inc.	2,226	169,154
Sampo OYJ, A Shares	63,252	2,771,215
Selective Insurance Group, Inc.	21,371	2,125,987
SelectQuote, Inc. (A)	23,679	32,440
SiriusPoint, Ltd. (A)	11,155	129,398
Skyward Specialty Insurance Group, Inc. (A)	3,791	128,439
Sompo Holdings, Inc.	41,391	2,025,193
Stewart Information Services Corp.	4,122	242,168
Suncorp Group, Ltd.	177,977	1,685,328
Swiss Life Holding AG	4,136	2,874,327
Swiss Re AG	42,261	4,755,652
T&D Holdings, Inc.	70,125	1,113,266
Talanx AG	9,045	646,403
The Allstate Corp.	24,080	3,370,718
The Hanover Insurance Group, Inc.	7,092	861,111
The Hartford Financial Services Group, Inc.	27,679	2,224,838
The Progressive Corp.	54,622	8,700,192
The Travelers Companies, Inc.	21,151	4,029,054
Tiptree, Inc.	3,743	70,967
Tokio Marine Holdings, Inc.	252,555	6,288,866
Trupanion, Inc. (A)(B)	6,208	189,406
Tryg A/S	48,921	1,064,630
United Fire Group, Inc.	3,765	75,752
Universal Insurance Holdings, Inc.	3,650	58,327
Unum Group	36,361	1,644,244
W.R. Berkley Corp.	19,325	1,366,664
Willis Towers Watson PLC	9,510	2,293,812
Zurich Insurance Group AG	20,506	10,721,088
		222,162,773
Mortgage real estate investment trusts – 0.1%		
AFC Gamma, Inc.	2,227	26,791
Angel Oak Mortgage REIT, Inc.	1,864	19,758
Annaly Capital Management, Inc.	99,178	1,921,078
Apollo Commercial Real Estate Finance, Inc.	21,814	256,096
Arbor Realty Trust, Inc.	28,468	432,144
Ares Commercial Real Estate Corp.	8,189	84,838
ARMOUR Residential REIT, Inc.	7,490	144,707
Blackstone Mortgage Trust, Inc., Class A	26,463	562,868
BrightSpire Capital, Inc.	19,816	147,431
Chicago Atlantic Real Estate Finance, Inc.	2,651	42,893
Chimera Investment Corp.	35,493	177,110
Claros Mortgage Trust, Inc.	14,261	194,377
Dynex Capital, Inc.	8,554	107,096
Franklin BSP Realty Trust, Inc.	12,945	174,887
Granite Point Mortgage Trust, Inc.	8,370	49,718
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	16,450	453,691
Invesco Mortgage Capital, Inc.	7,048	62,445
KKR Real Estate Finance Trust, Inc.	9,541	126,227
Ladder Capital Corp.	17,482	201,218
MFA Financial, Inc.	15,548	175,226
New York Mortgage Trust, Inc.	14,960	127,609
Nexpoint Real Estate Finance, Inc.	1,160	18,270
Orchid Island Capital, Inc.	8,085	68,157
PennyMac Mortgage Investment Trust	13,441	200,943
Ready Capital Corp.	24,840	254,610
Redwood Trust, Inc.	18,265	135,344
Starwood Property Trust, Inc.	59,013	1,240,453
TPG RE Finance Trust, Inc.	11,737	76,291

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
Two Harbors Investment Corp.	14,922	\$ 207,863
		7,690,139
		1,062,172,520
Health care – 11.9%		
Biotechnology – 1.9%		
2seventy bio, Inc. (A)	8,710	37,192
4D Molecular Therapeutics, Inc. (A)	6,427	130,211
89bio, Inc. (A)	10,070	112,482
AbbVie, Inc.	164,843	25,545,720
ACADIA Pharmaceuticals, Inc. (A)	18,808	588,878
ACELYRIN, Inc. (A)	5,560	41,478
Achillion Pharmaceuticals, Inc. (A)(D)	23,194	35,243
Actinium Pharmaceuticals, Inc. (A)	4,803	24,399
ADMA Biologics, Inc. (A)	32,941	148,893
Aduro Biotech, Inc. (A)(D)	2,435	6,031
Aerovate Therapeutics, Inc. (A)	1,993	45,102
Agenus, Inc. (A)	58,080	48,084
Agius Pharmaceuticals, Inc. (A)	8,662	192,903
Akero Therapeutics, Inc. (A)	8,026	187,407
Albireo Pharma, Inc. (A)(D)	2,883	6,198
Aldeyra Therapeutics, Inc. (A)	7,783	27,318
Alector, Inc. (A)	10,821	86,352
Alkermes PLC (A)	25,726	713,639
Allakos, Inc. (A)	11,679	31,884
Allogene Therapeutics, Inc. (A)	15,406	49,453
Allovir, Inc. (A)	8,046	5,470
Alpine Immune Sciences, Inc. (A)	5,165	98,445
Altimmune, Inc. (A)	8,623	97,009
ALX Oncology Holdings, Inc. (A)	4,285	63,804
Amgen, Inc.	49,960	14,389,479
Amicus Therapeutics, Inc. (A)	44,160	626,630
AnaptysBio, Inc. (A)	3,242	69,444
Anavex Life Sciences Corp. (A)(B)	11,738	109,281
Anika Therapeutics, Inc. (A)	2,211	50,101
Annexon, Inc. (A)	8,294	37,655
Apogee Therapeutics, Inc. (A)	3,296	92,090
Arbutus Biopharma Corp. (A)	22,115	55,288
Arcellx, Inc. (A)	5,949	330,170
Arcturus Therapeutics Holdings, Inc. (A)	3,634	114,580
Arcus Biosciences, Inc. (A)	8,625	164,738
Arcutis Biotherapeutics, Inc. (A)	13,242	42,772
Ardelyx, Inc. (A)	35,572	220,546
Argenx SE (A)	7,907	3,007,573
Argenx SE, Additional Offering (A)	464	176,491
Arrowhead Pharmaceuticals, Inc. (A)	37,015	1,132,659
ARS Pharmaceuticals, Inc. (A)(B)	4,166	22,830
Astria Therapeutics, Inc. (A)	5,404	41,503
Aura Biosciences, Inc. (A)	4,825	42,750
Aurinia Pharmaceuticals, Inc. (A)	21,083	189,536
Avid Bioservices, Inc. (A)	10,224	66,456
Avidity Biosciences, Inc. (A)	11,736	106,211
Avita Medical, Inc. (A)	4,263	58,488
Beam Therapeutics, Inc. (A)	11,282	307,096
BioAtla, Inc. (A)	7,220	17,761
BioCryst Pharmaceuticals, Inc. (A)	29,697	177,885
Biogen, Inc. (A)	13,324	3,447,851
Biohaven, Ltd. (A)	10,619	454,493
Biomea Fusion, Inc. (A)(B)	3,303	47,960
Bluebird Bio, Inc. (A)	18,234	25,163
Blueprint Medicines Corp. (A)	9,445	871,207
Bridgebio Pharma, Inc. (A)	17,782	717,859
Cabaletta Bio, Inc. (A)	5,265	119,516
CareDx, Inc. (A)	8,206	98,472
Caribou Biosciences, Inc. (A)	13,007	74,530
Cartesian Therapeutics, Inc. (A)(D)	19,937	3,589

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Catalyst Pharmaceuticals, Inc. (A)	15,541	\$ 261,244
Celcuity, Inc. (A)	3,175	46,260
Celldex Therapeutics, Inc. (A)	7,344	291,263
Cerevel Therapeutics Holdings, Inc. (A)	10,838	459,531
Chinook Therapeutics, Inc. (A)(D)	9,357	3,649
Cogent Biosciences, Inc. (A)	13,371	78,621
Coherus Biosciences, Inc. (A)	16,503	54,955
Compass Therapeutics, Inc. (A)	15,797	24,643
Crinetics Pharmaceuticals, Inc. (A)	10,191	362,596
CSL, Ltd.	67,683	13,194,742
Cullinan Oncology, Inc. (A)	4,375	44,581
Cytokinetics, Inc. (A)	14,450	1,206,431
Day One Biopharmaceuticals, Inc. (A)	9,862	143,985
Deciphera Pharmaceuticals, Inc. (A)	8,607	138,831
Denali Therapeutics, Inc. (A)	18,395	394,757
Disc Medicine, Inc. (A)	1,468	84,792
Dynavax Technologies Corp. (A)	20,021	279,894
Dyne Therapeutics, Inc. (A)	7,147	95,055
Editas Medicine, Inc. (A)	12,740	129,056
Enanta Pharmaceuticals, Inc. (A)	3,463	32,587
Entrada Therapeutics, Inc. (A)	3,216	48,529
Erasca, Inc. (A)(B)	15,508	33,032
Exelixis, Inc. (A)	61,673	1,479,535
Fate Therapeutics, Inc. (A)	14,542	54,387
Fennec Pharmaceuticals, Inc. (A)(B)	3,706	41,581
Foghorn Therapeutics, Inc. (A)	3,939	25,407
Genelux Corp. (A)	3,026	42,394
Genmab A/S (A)	9,257	2,951,622
Geron Corp. (A)	82,273	173,596
Gilead Sciences, Inc.	116,259	9,418,142
Grifols SA (A)	41,793	714,969
Gritstone bio, Inc. (A)	15,389	31,394
Halozyme Therapeutics, Inc. (A)	46,310	1,711,618
Heron Therapeutics, Inc. (A)(B)	17,563	29,857
HilleVax, Inc. (A)	3,984	63,943
Humacyte, Inc. (A)	11,643	33,066
Icosavax, Inc. (A)	4,180	65,877
Ideaya Biosciences, Inc. (A)	9,311	331,285
Immuneering Corp., Class A (A)	3,995	29,363
ImmunityBio, Inc. (A)(B)	20,516	102,990
ImmunoGen, Inc. (A)	37,135	1,101,053
Immunovant, Inc. (A)	8,396	353,723
Incyte Corp. (A)	17,668	1,109,374
Inhibrx, Inc. (A)	5,368	203,984
Inozyme Pharma, Inc. (A)	7,180	30,587
Insmed, Inc. (A)	21,452	664,797
Intellia Therapeutics, Inc. (A)	13,690	417,408
Iovance Biotherapeutics, Inc. (A)	35,828	291,282
Ironwood Pharmaceuticals, Inc. (A)	22,281	254,895
iTeos Therapeutics, Inc. (A)	4,240	46,428
Janux Therapeutics, Inc. (A)	3,147	33,767
KalVista Pharmaceuticals, Inc. (A)	4,869	59,645
Keros Therapeutics, Inc. (A)	3,554	141,307
Kiniksa Pharmaceuticals, Ltd., Class A (A)	4,857	85,192
Krystal Biotech, Inc. (A)	3,365	417,462
Kura Oncology, Inc. (A)	11,078	159,302
Kymera Therapeutics, Inc. (A)	5,951	151,512
Larimar Therapeutics, Inc. (A)	4,390	19,975
Lexicon Pharmaceuticals, Inc. (A)(B)	17,930	27,433
Lineage Cell Therapeutics, Inc. (A)	25,394	27,679
Lyell Immunopharma, Inc. (A)	29,598	57,420
MacroGenics, Inc. (A)	9,336	89,812
Madrigal Pharmaceuticals, Inc. (A)	2,299	531,943
MannKind Corp. (A)	41,699	151,784
MeiraGTX Holdings PLC (A)	6,040	42,401

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Merrimack Pharmaceuticals, Inc. (A)	1,515	\$ 20,316
Mersana Therapeutics, Inc. (A)	17,907	41,544
MiMedx Group, Inc. (A)	17,762	155,773
Mineralys Therapeutics, Inc. (A)	4,590	39,474
Miram Pharmaceuticals, Inc. (A)	3,892	114,892
Moderna, Inc. (A)	31,453	3,128,001
Monte Rosa Therapeutics, Inc. (A)	5,466	30,883
Morphic Holding, Inc. (A)	5,762	166,407
Myriad Genetics, Inc. (A)	12,557	240,341
Neurocrine Biosciences, Inc. (A)	19,485	2,567,344
Nkarta, Inc. (A)	4,727	31,198
Novavax, Inc. (A)(B)	14,954	71,779
Nurix Therapeutics, Inc. (A)	8,044	83,014
Nuvalent, Inc., Class A (A)	4,116	302,896
Olema Pharmaceuticals, Inc. (A)	3,975	55,769
Organogenesis Holdings, Inc. (A)	10,618	43,428
ORIC Pharmaceuticals, Inc. (A)	5,928	54,538
Ovid therapeutics, Inc. (A)	10,811	34,811
PDL BioPharma, Inc. (A)(D)	23,030	18,654
PDS Biotechnology Corp. (A)	5,034	25,019
PMV Pharmaceuticals, Inc. (A)	6,372	19,753
Poseida Therapeutics, Inc. (A)	10,172	34,178
Precigen, Inc. (A)(B)	22,468	30,107
Prime Medicine, Inc. (A)(B)	6,908	61,205
ProKidney Corp. (A)	7,561	13,459
Protagonist Therapeutics, Inc. (A)	8,928	204,719
Protalix BioTherapeutics, Inc. (A)(B)	10,004	17,807
Prothena Corp. PLC (A)	6,749	245,259
PTC Therapeutics, Inc. (A)	11,250	310,050
Radius Health, Inc. (A)(D)	8,191	655
RAPT Therapeutics, Inc. (A)	4,569	113,540
RayzeBio, Inc. (A)	3,216	199,939
Recursion Pharmaceuticals, Inc., Class A (A)	21,304	210,057
Regeneron Pharmaceuticals, Inc. (A)	9,994	8,777,630
REGENXBIO, Inc. (A)	6,362	114,198
Relay Therapeutics, Inc. (A)	14,227	156,639
Replimune Group, Inc. (A)	8,514	71,773
REVOLUTION Medicines, Inc. (A)	22,363	641,371
Rhythm Pharmaceuticals, Inc. (A)	7,941	365,048
Rigel Pharmaceuticals, Inc. (A)	28,955	41,985
Rocket Pharmaceuticals, Inc. (A)	9,710	291,009
Sage Therapeutics, Inc. (A)	8,420	182,461
Sana Biotechnology, Inc. (A)	15,810	64,505
Savara, Inc. (A)	15,157	71,238
Scholar Rock Holding Corp. (A)	8,843	166,248
Seres Therapeutics, Inc. (A)	16,420	22,988
SpringWorks Therapeutics, Inc. (A)	10,457	381,681
Stoke Therapeutics, Inc. (A)	4,974	26,163
Summit Therapeutics, Inc. (A)	19,514	50,932
Sutro Biopharma, Inc. (A)	10,848	46,538
Swedish Orphan Biovitrum AB (A)	27,261	723,653
Syndax Pharmaceuticals, Inc. (A)	10,460	226,041
Tango Therapeutics, Inc. (A)	7,412	73,379
Tenaya Therapeutics, Inc. (A)	7,730	25,045
TG Therapeutics, Inc. (A)	21,535	367,818
Traverse Therapeutics, Inc. (A)	12,154	109,264
Twist Bioscience Corp. (A)	8,785	323,815
Tyra Biosciences, Inc. (A)	2,442	33,822
United Therapeutics Corp. (A)	9,308	2,046,736
UroGen Pharma, Ltd. (A)	4,337	65,055
Vanda Pharmaceuticals, Inc. (A)	9,640	40,681
Vaxcyte, Inc. (A)	14,544	913,363
Vera Therapeutics, Inc. (A)	5,163	79,407
Veracyte, Inc. (A)	11,285	310,450

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Vericel Corp. (A)	7,397	\$ 263,407
Vertex Pharmaceuticals, Inc. (A)	24,033	9,778,787
Verve Therapeutics, Inc. (A)	8,355	116,469
Viking Therapeutics, Inc. (A)	14,961	278,424
Vir Biotechnology, Inc. (A)	13,172	132,510
Viridian Therapeutics, Inc. (A)	6,562	142,920
Voyager Therapeutics, Inc. (A)	5,326	44,951
Xencor, Inc. (A)	9,152	194,297
Y-mAbs Therapeutics, Inc. (A)	6,395	43,614
Zentalis Pharmaceuticals, Inc. (A)	9,014	136,562
Zymeworks, Inc. (A)	8,233	85,541
		133,729,700
Health care equipment and supplies – 2.3%		
Abbott Laboratories	162,003	17,831,670
Accuray, Inc. (A)	16,358	46,293
Alcon, Inc.	70,014	5,477,613
Align Technology, Inc. (A)	6,761	1,852,514
Alphatec Holdings, Inc. (A)	14,502	219,125
AngioDynamics, Inc. (A)	6,498	50,944
Artivion, Inc. (A)	6,124	109,497
Asahi Intecc Company, Ltd.	30,400	616,478
AtriCure, Inc. (A)	7,212	257,396
Atrion Corp.	224	84,849
Avanos Medical, Inc. (A)	7,102	159,298
Axogen, Inc. (A)	7,107	48,541
Axonics, Inc. (A)	7,657	476,495
Baxter International, Inc.	48,103	1,859,662
Becton, Dickinson and Company	27,057	6,597,308
BioMerieux	5,804	645,750
Boston Scientific Corp. (A)	136,615	7,897,713
Butterfly Network, Inc. (A)	24,293	26,236
Carl Zeiss Meditec AG, Bearer Shares	5,639	613,829
Cerus Corp. (A)	27,395	59,173
ClearPoint Neuro, Inc. (A)(B)	4,398	29,862
Cochlear, Ltd.	9,182	1,868,040
Coloplast A/S, B Shares	19,144	2,187,510
CONMED Corp.	4,671	511,521
CVRx, Inc. (A)	1,803	56,686
Demant A/S (A)	14,119	619,261
Dentsply Sirona, Inc.	20,111	715,750
DexCom, Inc. (A)	35,939	4,459,671
DiaSorin SpA	3,136	323,208
Edwards Lifesciences Corp. (A)	56,275	4,290,969
Embecka Corp.	8,953	169,480
Enovis Corp. (A)	9,853	551,965
Envista Holdings Corp. (A)	33,993	817,872
EssilorLuxottica SA	41,310	8,294,995
Fisher & Paykel Healthcare Corp., Ltd.	81,549	1,216,175
GE HealthCare Technologies, Inc.	37,157	2,872,979
Getinge AB, B Shares	32,049	713,650
Glaukos Corp. (A)	7,356	584,728
Globus Medical, Inc., Class A (A)	22,879	1,219,222
Haemonetics Corp. (A)	17,794	1,521,565
Hologic, Inc. (A)	23,267	1,662,427
Hoya Corp.	49,607	6,178,012
IDEXX Laboratories, Inc. (A)	7,687	4,266,669
Inari Medical, Inc. (A)	18,444	1,197,384
Inmode, Ltd. (A)	11,896	264,567
Inogen, Inc. (A)	4,243	23,294
Insulet Corp. (A)	6,632	1,439,011
Integer Holdings Corp. (A)	5,102	505,506
Integra LifeSciences Holdings Corp. (A)	13,488	587,402
Intuitive Surgical, Inc. (A)	32,842	11,079,577
iRadimed Corp.	1,276	60,572
iRhythm Technologies, Inc. (A)	4,743	507,691

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Koninklijke Philips NV (A)	110,598	\$ 2,588,240
Lantheus Holdings, Inc. (A)	24,131	1,496,122
LeMaitre Vascular, Inc.	3,027	171,813
LivaNova PLC (A)	19,042	985,233
Masimo Corp. (A)	8,803	1,031,800
Medtronic PLC	124,186	10,230,443
Merit Medical Systems, Inc. (A)	8,759	665,334
Nano-X Imaging, Ltd. (A)(B)	8,032	51,164
Neogen Corp. (A)	72,780	1,463,606
Nevro Corp. (A)	5,787	124,536
Olympus Corp.	168,508	2,432,289
Omniceil, Inc. (A)	6,992	263,109
OraSure Technologies, Inc. (A)	11,182	91,692
Orchestra BioMed Holdings, Inc. (A)	2,493	22,761
Orthofix Medical, Inc. (A)	5,777	77,874
OrthoPediatrics Corp. (A)	2,607	84,754
Outset Medical, Inc. (A)	8,163	44,162
Paragon 28, Inc. (A)	7,377	91,696
Penumbra, Inc. (A)	7,654	1,925,287
PROCEPT BioRobotics Corp. (A)(B)	6,224	260,848
Pulmonx Corp. (A)	6,127	78,119
Pulse Biosciences, Inc. (A)	2,543	31,126
QuidelOrtho Corp. (A)	9,806	722,702
ResMed, Inc.	13,314	2,290,274
RxSight, Inc. (A)	4,467	180,109
Sanara Medtech, Inc. (A)	727	29,880
Semler Scientific, Inc. (A)	805	35,653
Shockwave Medical, Inc. (A)	7,317	1,394,328
SI-BONE, Inc. (A)	6,250	131,188
Siemens Healthineers AG (C)	39,511	2,293,953
Sight Sciences, Inc. (A)	3,541	18,272
Silk Road Medical, Inc. (A)	6,345	77,853
Smith & Nephew PLC	122,373	1,681,046
Sonova Holding AG	7,101	2,322,366
STAAR Surgical Company (A)	7,513	234,481
STERIS PLC	9,371	2,060,214
Straumann Holding AG	15,639	2,527,307
Stryker Corp.	31,558	9,450,359
Surmodics, Inc. (A)	2,091	76,008
Sysmex Corp.	23,479	1,305,209
Tactile Systems Technology, Inc. (A)	3,850	55,055
Teleflex, Inc.	4,464	1,113,054
Terumo Corp.	94,234	3,081,547
The Cooper Companies, Inc.	4,703	1,779,803
TransMedics Group, Inc. (A)	4,919	388,257
Treace Medical Concepts, Inc. (A)	7,572	96,543
UFP Technologies, Inc. (A)	1,092	187,868
Utah Medical Products, Inc.	569	47,921
Varex Imaging Corp. (A)	5,913	121,217
Zimmer Biomet Holdings, Inc.	18,911	2,301,469
Zimvie, Inc. (A)	4,036	71,639
Zynex, Inc. (A)(B)	2,512	27,356
		166,042,544
Health care providers and services – 1.8%		
23andMe Holding Company, Class A (A)	44,993	41,101
Acadia Healthcare Company, Inc. (A)	18,288	1,422,075
Accolade, Inc. (A)	10,391	124,796
AdaptHealth Corp. (A)	15,694	114,409
Addus HomeCare Corp. (A)	2,478	230,082
Agility, Inc. (A)	4,528	35,862
Alignment Healthcare, Inc. (A)	13,314	114,634
Amedisys, Inc. (A)	6,472	615,228
AMN Healthcare Services, Inc. (A)	5,920	443,290
Amplifon SpA	17,446	604,515
Apollo Medical Holdings, Inc. (A)	6,742	258,219

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Aveanna Healthcare Holdings, Inc. (A)	7,936	\$ 21,268
Brookdale Senior Living, Inc. (A)	29,164	169,734
Cardinal Health, Inc.	22,976	2,315,981
Castle Biosciences, Inc. (A)	3,946	85,155
Cencora, Inc.	15,293	3,140,876
Centene Corp. (A)	49,631	3,683,117
Chemed Corp.	2,987	1,746,648
Community Health Systems, Inc. (A)	20,802	65,110
CorVel Corp. (A)	1,347	332,992
Cross Country Healthcare, Inc. (A)	5,531	125,222
CVS Health Corp.	119,913	9,468,330
DaVita, Inc. (A)	5,115	535,847
DocGo, Inc. (A)	12,598	70,423
EBOS Group, Ltd.	21,499	482,162
Elevance Health, Inc.	22,003	10,375,735
Encompass Health Corp.	19,878	1,326,260
Enhabit, Inc. (A)	8,357	86,495
Fresenius Medical Care AG	28,777	1,203,116
Fresenius SE & Company KGaA	59,187	1,834,533
Fulgent Genetics, Inc. (A)	3,353	96,935
Guardant Health, Inc. (A)	17,503	473,456
HCA Healthcare, Inc.	18,502	5,008,121
HealthEquity, Inc. (A)	30,046	1,992,050
Henry Schein, Inc. (A)	12,404	939,107
Hims & Hers Health, Inc. (A)	18,909	168,290
Humana, Inc.	11,491	5,260,695
InfuSystem Holdings, Inc. (A)	3,466	36,532
Invitae Corp. (A)(B)	44,847	28,110
Laboratory Corp. of America Holdings	7,843	1,782,635
LifeStance Health Group, Inc. (A)(B)	16,661	130,456
McKesson Corp.	12,432	5,755,767
ModivCare, Inc. (A)	1,946	85,605
Molina Healthcare, Inc. (A)	5,249	1,896,516
National HealthCare Corp.	1,947	179,942
National Research Corp.	2,352	93,045
NeoGenomics, Inc. (A)	19,795	320,283
NMC Health PLC (A)(D)	19,536	0
OPKO Health, Inc. (A)	63,632	96,084
Option Care Health, Inc. (A)	60,996	2,054,955
Owens & Minor, Inc. (A)	11,522	222,029
Patterson Companies, Inc.	30,152	857,824
Pediatrix Medical Group, Inc. (A)	13,715	127,550
PetIQ, Inc. (A)	4,269	84,313
Privia Health Group, Inc. (A)	17,493	402,864
Progyny, Inc. (A)	28,826	1,071,751
Quest Diagnostics, Inc.	10,661	1,469,939
Quipt Home Medical Corp. (A)	7,384	37,585
R1 RCM, Inc. (A)	39,052	412,780
RadNet, Inc. (A)	9,342	324,821
Ramsay Health Care, Ltd.	25,717	922,525
Select Medical Holdings Corp.	16,186	380,371
Sonic Healthcare, Ltd.	63,145	1,379,764
Surgery Partners, Inc. (A)	11,705	374,443
Tenet Healthcare Corp. (A)	20,140	1,521,980
The Cigna Group	27,289	8,171,691
The Ensign Group, Inc.	8,395	942,003
The Pennant Group, Inc. (A)	4,445	61,874
UnitedHealth Group, Inc.	86,454	45,515,437
Universal Health Services, Inc., Class B	5,903	899,853
US Physical Therapy, Inc.	2,363	220,090
Viemed Healthcare, Inc. (A)	5,950	46,708
		132,919,994
Health care technology – 0.0%		
American Well Corp., Class A (A)	41,065	61,187
Computer Programs and Systems, Inc. (A)	2,504	28,045

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care technology (continued)		
Definitive Healthcare Corp. (A)	7,602	\$ 75,564
Doximity, Inc., Class A (A)	23,434	657,089
Evolent Health, Inc., Class A (A)	17,004	561,642
Health Catalyst, Inc. (A)	9,302	86,137
HealthStream, Inc.	3,920	105,958
M3, Inc.	61,886	1,021,260
MultiPlan Corp. (A)	60,362	86,921
OptimizeRx Corp. (A)	2,383	34,101
Phreesia, Inc. (A)	8,091	187,307
Schrodinger, Inc. (A)	8,447	302,403
Sharecare, Inc. (A)	51,556	55,680
Simulations Plus, Inc.	2,414	108,027
Veradigm, Inc. (A)	17,390	182,421
		3,553,742
Life sciences tools and services – 1.0%		
Adaptive Biotechnologies Corp. (A)	18,981	93,007
Agilent Technologies, Inc.	27,176	3,778,279
Akoya Biosciences, Inc. (A)	3,644	17,783
Azenta, Inc. (A)	11,930	777,120
Bachem Holding AG	4,729	366,220
BioLife Solutions, Inc. (A)	5,454	88,628
Bio-Rad Laboratories, Inc., Class A (A)	1,984	640,614
Bio-Techne Corp.	14,955	1,153,928
Bruker Corp.	18,391	1,351,371
Charles River Laboratories International, Inc. (A)	4,870	1,151,268
Codexis, Inc. (A)	10,877	33,175
CryoPort, Inc. (A)	6,650	103,009
Cytek Biosciences, Inc. (A)	18,919	172,541
Danaher Corp.	61,364	14,195,948
Eurofins Scientific SE	18,911	1,233,610
Harvard Bioscience, Inc. (A)	6,999	37,445
Illumina, Inc. (A)	15,037	2,093,752
IQVIA Holdings, Inc. (A)	16,905	3,911,479
Lonza Group AG	10,434	4,398,830
MaxCyte, Inc. (A)(B)	15,126	71,092
Medpace Holdings, Inc. (A)	4,625	1,417,701
Mesa Laboratories, Inc.	855	89,578
Mettler-Toledo International, Inc. (A)	1,982	2,404,087
OmniAb, Inc. (A)	14,627	90,249
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)	39,133	383,895
QIAGEN NV (A)	31,950	1,389,067
Quanterix Corp. (A)	5,507	150,561
Quantum-Si, Inc. (A)(B)	16,682	33,531
Repligen Corp. (A)	10,298	1,851,580
Revvity, Inc.	11,792	1,288,984
Sartorius Stedim Biotech	3,875	1,027,582
SomaLogic, Inc. (A)	23,861	60,368
Sotera Health Company (A)	19,617	330,546
Thermo Fisher Scientific, Inc.	36,049	19,134,449
Waters Corp. (A)	5,614	1,848,297
West Pharmaceutical Services, Inc.	7,016	2,470,474
		69,640,048
Pharmaceuticals – 4.9%		
Amneal Pharmaceuticals, Inc. (A)	19,319	117,266
Amphastar Pharmaceuticals, Inc. (A)	5,999	371,038
Amylyx Pharmaceuticals, Inc. (A)	8,265	121,661
ANI Pharmaceuticals, Inc. (A)	2,233	123,128
Arvinas, Inc. (A)	7,651	314,915
Astellas Pharma, Inc.	253,547	3,015,503
AstraZeneca PLC	217,160	29,292,678

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Atea Pharmaceuticals, Inc. (A)	13,713	\$ 41,825
Axsome Therapeutics, Inc. (A)	5,529	440,053
Bayer AG	137,650	5,107,352
Bristol-Myers Squibb Company	189,725	9,734,790
Cassava Sciences, Inc. (A)(B)	6,188	139,292
Catalent, Inc. (A)	17,124	769,381
Chugai Pharmaceutical Company, Ltd.	94,102	3,555,016
CinCor Pharma, Inc. (A)(D)	3,771	11,539
Collegium Pharmaceutical, Inc. (A)	5,415	166,674
Corcept Therapeutics, Inc. (A)	12,543	407,397
CorMedix, Inc. (A)	9,171	34,483
CymaBay Therapeutics, Inc. (A)	17,584	415,334
Daiichi Sankyo Company, Ltd.	259,158	7,094,895
Edgewise Therapeutics, Inc. (A)	6,853	74,972
Eisai Company, Ltd.	35,368	1,761,014
Eli Lilly & Company	74,443	43,394,314
Enliven Therapeutics, Inc. (A)(B)	3,915	54,184
Evolus, Inc. (A)	6,405	67,445
EyePoint Pharmaceuticals, Inc. (A)	4,296	99,281
GSK PLC	573,761	10,596,901
Harmony Biosciences Holdings, Inc. (A)	5,068	163,696
Harrow, Inc. (A)	4,808	53,850
Hikma Pharmaceuticals PLC	23,232	529,389
Innoviva, Inc. (A)	9,445	151,498
Intra-Cellular Therapies, Inc. (A)	14,534	1,040,925
Ipsen SA	5,285	630,444
Jazz Pharmaceuticals PLC (A)	12,486	1,535,778
Johnson & Johnson	224,824	35,238,914
Kyowa Kirin Company, Ltd.	37,859	635,233
Ligand Pharmaceuticals, Inc. (A)	2,604	185,978
Liquidia Corp. (A)	7,367	88,625
Marinus Pharmaceuticals, Inc. (A)	8,432	91,656
Merck & Company, Inc.	236,568	25,790,643
Merck KGaA	18,108	2,883,055
Neumora Therapeutics, Inc. (A)	2,482	42,318
Novartis AG	287,191	29,009,303
Novo Nordisk A/S, Class B	457,237	47,383,998
Nuvation Bio, Inc. (A)	28,626	43,225
Ocular Therapeutix, Inc. (A)	13,281	59,233
Omeros Corp. (A)(B)	10,407	34,031
Ono Pharmaceutical Company, Ltd.	54,400	967,749
Orion OYJ, Class B	15,090	653,870
Otsuka Holdings Company, Ltd.	58,593	2,191,201
Pacira BioSciences, Inc. (A)	7,128	240,499
Perrigo Company PLC	26,874	864,805
Pfizer, Inc.	526,412	15,155,401
Phathom Pharmaceuticals, Inc. (A)(B)	5,175	47,248
Phibro Animal Health Corp., Class A	3,908	45,255
Pliant Therapeutics, Inc. (A)	8,979	162,610
Prestige Consumer Healthcare, Inc. (A)	7,779	476,230
Recordati Industria Chimica e Farmaceutica SpA	14,650	789,968
Revance Therapeutics, Inc. (A)	13,717	120,572
Roche Holding AG	98,437	28,614,997
Roche Holding AG, Bearer Shares	4,485	1,393,604
Sandoz Group AG (A)	57,356	1,845,376
Sanofi SA	159,487	15,848,666
Scilex Holding Company (A)	8,717	17,783
scPharmaceuticals, Inc. (A)	5,117	32,084
Shionogi & Company, Ltd.	36,611	1,762,013
SIGA Technologies, Inc.	8,201	45,926
Supernus Pharmaceuticals, Inc. (A)	7,715	223,272
Takeda Pharmaceutical Company, Ltd.	221,698	6,357,861
Taro Pharmaceutical Industries, Ltd. (A)	1,305	54,523
Tarsus Pharmaceuticals, Inc. (A)	4,670	94,568

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Terns Pharmaceuticals, Inc. (A)	7,224	\$ 46,884
Teva Pharmaceutical Industries, Ltd., ADR (A)	157,008	1,639,164
Theravance Biopharma, Inc. (A)(B)	8,107	91,123
Third Harmonic Bio, Inc. (A)	3,148	34,534
UCB SA	17,714	1,544,158
Ventyx Biosciences, Inc. (A)	7,965	19,674
Verrica Pharmaceuticals, Inc. (A)(B)	3,395	24,851
Viartis, Inc.	113,947	1,234,046
WaVe Life Sciences, Ltd. (A)	9,038	45,642
Xeris Biopharma Holdings, Inc. (A)	22,871	53,747
Zevra Therapeutics, Inc. (A)	6,785	44,442
Zoetis, Inc.	42,803	8,448,028
		354,146,497
		860,032,525
Industrials – 12.1%		
Aerospace and defense – 1.6%		
AAR Corp. (A)	5,181	323,294
AeroVironment, Inc. (A)	4,028	507,689
AerSale Corp. (A)	4,214	53,497
Airbus SE	83,058	12,831,496
Archer Aviation, Inc., Class A (A)(B)	23,635	145,119
Astronics Corp. (A)	4,340	75,603
Axon Enterprise, Inc. (A)	6,675	1,724,353
BAE Systems PLC	426,039	6,030,240
BWX Technologies, Inc.	18,140	1,391,882
Cadre Holdings, Inc.	3,044	100,117
Curtiss-Wright Corp.	7,584	1,689,639
Dassault Aviation SA	2,830	560,708
Ducommun, Inc. (A)	2,100	109,326
Elbit Systems, Ltd.	3,735	792,159
Eve Holding, Inc. (A)	3,224	23,600
General Dynamics Corp.	21,094	5,477,479
Hexcel Corp.	16,681	1,230,224
Howmet Aerospace, Inc.	37,197	2,013,102
Huntington Ingalls Industries, Inc.	3,787	983,257
Kaman Corp.	4,304	103,081
Kongsberg Gruppen ASA	12,324	564,205
Kratos Defense & Security Solutions, Inc. (A)	19,760	400,930
L3Harris Technologies, Inc.	17,434	3,671,949
Leonardo DRS, Inc. (A)	10,522	210,861
Leonardo SpA	56,700	936,860
Lockheed Martin Corp.	20,690	9,377,536
Moog, Inc., Class A	4,394	636,163
MTU Aero Engines AG	7,541	1,624,675
National Presto Industries, Inc.	825	66,231
Northrop Grumman Corp.	13,263	6,208,941
Park Aerospace Corp.	2,945	43,292
Rheinmetall AG	6,103	1,935,483
Rocket Lab USA, Inc. (A)(B)	43,501	240,561
Rolls-Royce Holdings PLC (A)	1,179,275	4,498,190
RTX Corp.	134,276	11,297,983
Saab AB, B Shares	11,220	676,158
Safran SA	47,891	8,443,678
Singapore Technologies Engineering, Ltd.	218,752	644,160
Terran Orbital Corp. (A)	16,391	18,686
Textron, Inc.	17,410	1,400,112
Thales SA	14,726	2,180,519
The Boeing Company (A)	53,075	13,834,530
TransDigm Group, Inc.	5,133	5,192,543
Triumph Group, Inc. (A)	9,994	165,701
V2X, Inc. (A)	1,977	91,812
Virgin Galactic Holdings, Inc. (A)(B)	52,396	128,370

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Aerospace and defense (continued)		
Woodward, Inc.	11,982	\$ 1,631,110
		112,287,104
Air freight and logistics – 0.5%		
Air Transport Services Group, Inc. (A)	9,223	162,417
CH Robinson Worldwide, Inc.	11,060	955,473
Deutsche Post AG	138,885	6,874,258
DSV A/S	26,082	4,582,782
Expeditors International of Washington, Inc.	13,144	1,671,917
FedEx Corp.	21,576	5,458,081
Forward Air Corp.	4,093	257,327
GXO Logistics, Inc. (A)	23,591	1,442,826
Hub Group, Inc., Class A (A)	4,825	443,611
Nippon Express Holdings, Inc.	10,146	575,684
Radiant Logistics, Inc. (A)	5,328	35,378
SG Holdings Company, Ltd.	44,900	643,681
United Parcel Service, Inc., Class B	67,710	10,646,043
Yamato Holdings Company, Ltd.	37,293	688,186
		34,437,664
Building products – 0.9%		
A.O. Smith Corp.	11,835	975,677
AAON, Inc.	10,493	775,118
Advanced Drainage Systems, Inc.	13,597	1,912,282
AGC, Inc.	27,076	1,003,555
Allegion PLC	8,338	1,056,341
American Woodmark Corp. (A)	2,571	238,717
Apogee Enterprises, Inc.	3,425	182,929
Assa Abloy AB, B Shares	140,433	4,047,162
AZZ, Inc.	3,831	222,543
Builders FirstSource, Inc. (A)	11,565	1,930,661
Carlisle Companies, Inc.	9,655	3,016,512
Carrier Global Corp.	77,584	4,457,201
Cie de Saint-Gobain SA	63,860	4,709,503
CSW Industrials, Inc.	2,402	498,199
Daikin Industries, Ltd.	36,997	6,001,653
Fortune Brands Innovations, Inc.	25,007	1,904,033
Geberit AG	4,684	3,006,746
Gibraltar Industries, Inc. (A)	4,748	374,997
Griffon Corp.	6,456	393,493
Insteel Industries, Inc.	2,906	111,271
Janus International Group, Inc. (A)	13,362	174,374
JELD-WEN Holding, Inc. (A)	13,295	251,010
Johnson Controls International PLC	62,547	3,605,209
Kingspan Group PLC	21,675	1,873,269
Lennox International, Inc.	6,343	2,838,619
Masco Corp.	21,365	1,431,028
Masonite International Corp. (A)	3,474	294,109
Masterbrand, Inc. (A)	20,156	299,317
Nibe Industrier AB, B Shares	212,338	1,491,125
Owens Corning	17,626	2,612,702
PGT Innovations, Inc. (A)	8,841	359,829
Quanex Building Products Corp.	5,189	158,628
Resideo Technologies, Inc. (A)	22,725	427,685
ROCKWOOL A/S, B Shares	1,290	377,419
Simpson Manufacturing Company, Inc.	15,107	2,990,884
TOTO, Ltd.	18,600	488,616
Trane Technologies PLC	21,231	5,178,241
Trex Company, Inc. (A)	21,537	1,783,048
UFP Industries, Inc.	21,507	2,700,204
Xinyi Glass Holdings, Ltd.	237,000	266,194
Zurn Elkay Water Solutions Corp.	22,905	673,636
		67,093,739
Commercial services and supplies – 0.6%		
ABM Industries, Inc.	10,243	459,194

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
ACCO Brands Corp.	15,453	\$ 93,954
ACV Auctions, Inc., Class A (A)	19,482	295,152
Aris Water Solutions, Inc., Class A	5,388	45,205
Brambles, Ltd.	194,704	1,804,690
BrightView Holdings, Inc. (A)	7,267	61,188
Casella Waste Systems, Inc., Class A (A)	8,745	747,348
CECO Environmental Corp. (A)	4,585	92,984
Cimpres PLC (A)	2,801	224,220
Cintas Corp.	8,023	4,835,141
Clean Harbors, Inc. (A)	9,988	1,743,006
Copart, Inc. (A)	82,541	4,044,509
CoreCivic, Inc. (A)	17,721	257,486
Dai Nippon Printing Company, Ltd.	28,673	846,742
Deluxe Corp.	6,635	142,321
Ennis, Inc.	4,366	95,659
Enviri Corp. (A)	12,316	110,844
Healthcare Services Group, Inc. (A)	11,454	118,778
HNI Corp.	7,109	297,369
Interface, Inc.	8,714	109,971
Liquidity Services, Inc. (A)	3,473	59,770
Mathews International Corp., Class A	4,603	168,700
MillerKnoll, Inc.	11,407	304,339
Montrose Environmental Group, Inc. (A)	4,348	139,701
MSA Safety, Inc.	7,328	1,237,186
OPENLANE, Inc. (A)	16,761	248,230
Performant Financial Corp. (A)	12,171	38,034
Pitney Bowes, Inc.	26,963	118,637
Quad/Graphics, Inc. (A)	4,951	26,834
Rentokil Initial PLC	353,436	1,992,057
Republic Services, Inc.	18,869	3,111,687
Rollins, Inc.	26,671	1,164,723
Secom Company, Ltd.	29,455	2,119,000
Securitas AB, B Shares	68,909	675,583
SP Plus Corp. (A)	3,085	158,106
Steelcase, Inc., Class A	14,602	197,419
Stericycle, Inc. (A)	18,349	909,376
Tetra Tech, Inc.	10,560	1,762,781
The Brink's Company	16,063	1,412,741
The GEO Group, Inc. (A)	18,477	200,106
TOPPAN Holdings, Inc.	34,562	962,538
UniFirst Corp.	2,326	425,449
Veralto Corp.	20,807	1,711,584
Viad Corp. (A)	3,211	116,238
VSE Corp.	2,105	136,004
Waste Management, Inc.	34,235	6,131,489
		41,954,073
Construction and engineering – 0.5%		
ACS Actividades de Construccion y Servicios SA	29,231	1,298,290
AECOM	27,512	2,542,934
Ameresco, Inc., Class A (A)	4,991	158,065
API Group Corp. (A)	32,245	1,115,677
Arcosa, Inc.	7,526	621,949
Argan, Inc.	2,099	98,212
Bouygues SA	26,726	1,008,351
Bowman Consulting Group, Ltd. (A)	1,795	63,758
Comfort Systems USA, Inc.	12,566	2,584,449
Concrete Pumping Holdings, Inc. (A)	4,761	39,040
Construction Partners, Inc., Class A (A)	6,160	268,083
Dycom Industries, Inc. (A)	4,449	512,035
Eiffage SA	10,298	1,105,497
EMCOR Group, Inc.	9,330	2,009,962
Ferrovial SE	71,841	2,622,260
Fluor Corp. (A)	55,844	2,187,409
Granite Construction, Inc.	6,838	347,781

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
Great Lakes Dredge & Dock Corp. (A)	11,367	\$ 87,299
IES Holdings, Inc. (A)	1,258	99,659
Kajima Corp.	59,285	988,530
Limbach Holdings, Inc. (A)	1,422	64,658
MasTec, Inc. (A)	11,988	907,731
MDU Resources Group, Inc.	40,386	799,643
MYR Group, Inc. (A)	2,535	366,637
Northwest Pipe Company (A)	1,797	54,377
Obayashi Corp.	91,015	786,225
Primoris Services Corp.	8,288	275,244
Quanta Services, Inc.	13,793	2,976,529
Shimizu Corp.	72,929	483,761
Skanska AB, B Shares	47,671	863,683
Sterling Infrastructure, Inc. (A)	4,658	409,578
Taisei Corp.	23,773	811,797
Tutor Perini Corp. (A)	7,041	64,073
Valmont Industries, Inc.	4,143	967,432
Vinci SA	71,133	8,951,749
		38,542,357
Electrical equipment – 1.1%		
ABB, Ltd.	224,137	9,951,269
Acuity Brands, Inc.	6,138	1,257,247
Alliant, Inc.	2,153	65,042
AMETEK, Inc.	21,230	3,500,615
Array Technologies, Inc. (A)	23,448	393,926
Atkore, Inc. (A)	5,848	935,680
Blink Charging Company (A)	9,273	31,435
Bloom Energy Corp., Class A (A)(B)	29,893	442,416
Eaton Corp. PLC	37,328	8,989,329
Emerson Electric Company	53,087	5,166,958
Encore Wire Corp.	2,322	495,979
Energy Vault Holdings, Inc. (A)(B)	17,739	41,332
EnerSys	14,380	1,451,805
Enovix Corp. (A)(B)	21,567	270,019
Eos Energy Enterprises, Inc. (A)(B)	18,065	19,691
Fluence Energy, Inc. (A)	9,008	214,841
FuelCell Energy, Inc. (A)	71,205	113,928
Fuji Electric Company, Ltd.	17,740	760,371
Generac Holdings, Inc. (A)	5,912	764,067
GrafTech International, Ltd.	32,603	71,401
Hubbell, Inc.	5,094	1,675,569
Legrand SA	37,141	3,867,723
LSI Industries, Inc.	4,672	65,782
Mitsubishi Electric Corp.	270,797	3,830,173
NEXTracker, Inc., Class A (A)	7,693	360,417
Nidec Corp.	58,486	2,357,402
NuScale Power Corp. (A)(B)	9,288	30,558
nVent Electric PLC	32,904	1,944,297
Powell Industries, Inc.	1,419	125,440
Preformed Line Products Company	425	56,891
Prysmian SpA	36,795	1,677,303
Regal Rexnord Corp.	13,158	1,947,647
Rockwell Automation, Inc.	10,531	3,269,665
Schneider Electric SE	76,248	15,349,194
Sensata Technologies Holding PLC	30,017	1,127,739
SES AI Corp. (A)	22,739	41,612
Shoals Technologies Group, Inc., Class A (A)	26,618	413,644
Siemens Energy AG (A)	72,796	962,091
SKYX Platforms Corp. (A)	10,748	17,197
Stem, Inc. (A)(B)	23,502	91,188
SunPower Corp. (A)(B)	14,268	68,914
Sunrun, Inc. (A)	43,072	845,503
Thermon Group Holdings, Inc. (A)	5,192	169,103
TPI Composites, Inc. (A)(B)	7,232	29,940

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Vestas Wind Systems A/S (A)	141,495	\$ 4,477,143
Vicor Corp. (A)	3,469	155,897
		79,895,383
Ground transportation – 0.9%		
ArcBest Corp.	3,682	442,613
Aurizon Holdings, Ltd.	257,906	667,702
Avis Budget Group, Inc. (B)	3,664	649,481
Central Japan Railway Company	100,980	2,562,899
Covenant Logistics Group, Inc.	1,190	54,788
CSX Corp.	184,641	6,401,503
Daseke, Inc. (A)	7,211	58,409
East Japan Railway Company	42,340	2,437,205
FTAI Infrastructure, Inc.	15,432	60,030
Grab Holdings, Ltd., Class A (A)	265,600	895,072
Hankyu Hanshin Holdings, Inc.	32,100	1,020,133
Heartland Express, Inc.	7,757	110,615
Hertz Global Holdings, Inc. (A)	26,250	272,738
JB Hunt Transport Services, Inc.	7,755	1,548,984
Keisei Electric Railway Company, Ltd.	18,094	853,868
Kintetsu Group Holdings Company, Ltd.	25,374	803,950
Knight-Swift Transportation Holdings, Inc.	31,988	1,844,108
Landstar System, Inc.	7,129	1,380,531
Marten Transport, Ltd.	9,063	190,142
MTR Corp., Ltd.	217,815	845,415
Norfolk Southern Corp.	21,078	4,982,418
Odakyu Electric Railway Company, Ltd.	43,879	668,179
Old Dominion Freight Line, Inc.	8,223	3,333,029
PAM Transportation Services, Inc. (A)	935	19,429
RXO, Inc. (A)	18,001	418,703
Ryder System, Inc.	8,790	1,011,377
Saia, Inc. (A)	5,265	2,307,228
Tobu Railway Company, Ltd.	26,473	710,253
Tokyu Corp.	70,008	853,613
TuSimple Holdings, Inc., Class A (A)	28,663	25,160
Uber Technologies, Inc. (A)	192,035	11,823,595
Union Pacific Corp.	56,955	13,989,287
Universal Logistics Holdings, Inc.	1,149	32,195
Werner Enterprises, Inc.	22,187	940,063
West Japan Railway Company	30,725	1,280,261
XPO, Inc. (A)	23,000	2,014,570
		67,509,546
Industrial conglomerates – 1.0%		
3M Company	51,369	5,615,659
Brookfield Business Corp., Class A	4,171	97,101
CK Hutchison Holdings, Ltd.	375,738	2,018,690
DCC PLC	13,839	1,018,288
General Electric Company	101,669	12,976,014
Hikari Tsushin, Inc.	2,800	462,753
Hitachi, Ltd.	129,894	9,343,232
Honeywell International, Inc.	61,596	12,917,297
Investment AB Latour, B Shares	20,744	541,134
Jardine Cycle & Carriage, Ltd.	13,800	311,017
Jardine Matheson Holdings, Ltd.	22,300	917,930
Keppel Corp., Ltd.	204,045	1,091,804
Lifco AB, B Shares	32,661	801,857
Melrose Industries PLC	188,580	1,363,128
Siemens AG	106,485	19,977,575
Smiths Group PLC	48,693	1,092,934
		70,546,413
Machinery – 2.4%		
3D Systems Corp. (A)	20,925	132,874
AGCO Corp.	12,326	1,496,500
Alamo Group, Inc.	1,548	325,374
Albany International Corp., Class A	4,829	474,304

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Alfa Laval AB	40,538	\$ 1,622,900
Alstom SA	40,383	544,575
Astec Industries, Inc.	3,783	140,728
Atlas Copco AB, A Shares	376,348	6,484,894
Atlas Copco AB, B Shares	218,697	3,244,618
Barnes Group, Inc.	7,763	253,307
Blue Bird Corp. (A)	4,000	107,840
Caterpillar, Inc.	47,652	14,089,267
Chart Industries, Inc. (A)	14,992	2,043,859
Columbus McKinnon Corp.	4,330	168,957
Commercial Vehicle Group, Inc. (A)	5,668	39,733
Crane Company	9,687	1,144,422
Cummins, Inc.	12,993	3,112,733
Daifuku Company, Ltd.	42,600	858,985
Daimler Truck Holding AG	74,948	2,815,350
Deere & Company	25,019	10,004,348
Desktop Metal, Inc., Class A (A)(B)	46,737	35,099
Donaldson Company, Inc.	23,935	1,564,152
Douglas Dynamics, Inc.	3,495	103,732
Dover Corp.	13,287	2,043,673
Energy Recovery, Inc. (A)	8,629	162,570
Energpac Tool Group Corp.	8,442	262,462
Enpro, Inc.	3,245	508,621
Epiroc AB, A Shares	92,335	1,858,601
Epiroc AB, B Shares	54,640	958,264
Esab Corp.	11,236	973,262
ESCO Technologies, Inc.	3,975	465,194
FANUC Corp.	133,490	3,917,813
Federal Signal Corp.	9,211	706,852
Flowserve Corp.	26,021	1,072,586
Fortive Corp.	31,884	2,347,619
Franklin Electric Company, Inc.	7,130	689,115
GEA Group AG	22,938	953,629
Gencor Industries, Inc. (A)	2,024	32,667
Graco, Inc.	33,474	2,904,204
Helios Technologies, Inc.	5,242	237,725
Hillenbrand, Inc.	10,841	518,742
Hillman Solutions Corp. (A)	30,611	281,927
Hitachi Construction Machinery Company, Ltd.	15,052	396,226
Hoshizaki Corp.	15,200	555,261
Husqvarna AB, B Shares	48,994	404,129
Hyliion Holdings Corp. (A)	26,518	21,578
Hyster-Yale Materials Handling, Inc.	1,772	110,201
IDEX Corp.	7,182	1,559,284
Illinois Tool Works, Inc.	25,614	6,709,331
Indutrade AB	38,285	997,805
Ingersoll Rand, Inc.	36,913	2,854,851
ITT, Inc.	16,282	1,942,768
John Bean Technologies Corp.	4,946	491,880
Kadant, Inc.	1,795	503,156
Kennametal, Inc.	12,343	318,326
Knorr-Bremse AG	10,164	656,446
Komatsu, Ltd.	129,576	3,372,000
Kone OYJ, B Shares	47,622	2,382,105
Kubota Corp.	140,652	2,110,903
Lincoln Electric Holdings, Inc.	11,344	2,466,866
Lindsay Corp.	1,709	220,734
Luxfer Holdings PLC	4,859	43,439
Makita Corp.	31,352	862,348
Mayville Engineering Company, Inc. (A)	1,623	23,404
Metso OYJ	92,919	943,304
Microvast Holdings, Inc. (A)(B)	34,237	47,932
Miller Industries, Inc.	1,746	73,838
MINEBEA MITSUMI, Inc.	50,900	1,041,822

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
MISUMI Group, Inc.	39,900	\$ 673,662
Mitsubishi Heavy Industries, Ltd.	44,863	2,612,109
Mueller Industries, Inc.	17,291	815,271
Mueller Water Products, Inc., Class A	23,938	344,707
Nikola Corp. (A)	101,511	88,802
Nordson Corp.	5,143	1,358,575
Omega Flex, Inc.	607	42,800
Oshkosh Corp.	12,973	1,406,403
Otis Worldwide Corp.	37,873	3,388,497
PACCAR, Inc.	48,533	4,739,247
Parker-Hannifin Corp.	11,936	5,498,915
Park-Ohio Holdings Corp.	1,421	38,310
Pentair PLC	15,684	1,140,384
Proto Labs, Inc. (A)	4,093	159,463
Rational AG	717	553,277
RBC Bearings, Inc. (A)	5,768	1,643,246
REV Group, Inc.	4,994	90,741
Sandvik AB	149,391	3,245,571
Schindler Holding AG	3,289	781,074
Schindler Holding AG, Participation Certificates	5,705	1,428,275
Seatrium, Ltd. (A)	6,214,649	554,913
SKF AB, B Shares	47,747	956,876
SMC Corp.	8,047	4,304,630
Snap-on, Inc.	5,027	1,451,999
Spirax-Sarco Engineering PLC	10,337	1,383,046
SPX Technologies, Inc. (A)	6,846	691,514
Standex International Corp.	1,815	287,460
Stanley Black & Decker, Inc.	14,555	1,427,846
Techtronic Industries Company, Ltd.	192,742	2,296,537
Tennant Company	2,820	261,386
Terex Corp.	23,522	1,351,574
The Gorman-Rupp Company	3,741	132,918
The Greenbrier Companies, Inc.	4,769	210,694
The Manitowoc Company, Inc. (A)	5,353	89,342
The Middleby Corp. (A)	10,631	1,564,564
The Shyft Group, Inc.	5,649	69,031
The Timken Company	12,872	1,031,691
The Toro Company	20,594	1,976,818
Titan International, Inc. (A)	8,120	120,826
Toyota Industries Corp.	20,553	1,670,758
Trinity Industries, Inc.	12,526	333,066
VAT Group AG (C)	3,783	1,900,041
Volvo AB, A Shares	28,058	744,433
Volvo AB, B Shares	211,435	5,501,539
Wabash National Corp.	7,130	182,671
Wabtec Corp.	17,016	2,159,330
Wartsila OYJ ABP	66,327	963,956
Watts Water Technologies, Inc., Class A	9,612	2,002,564
Xylem, Inc.	22,876	2,616,099
Yaskawa Electric Corp.	33,610	1,398,911
		172,500,376
Marine transportation – 0.2%		
A.P. Moller - Maersk A/S, Series A	425	754,924
A.P. Moller - Maersk A/S, Series B	680	1,224,016
Costamare, Inc.	7,246	75,431
Eagle Bulk Shipping, Inc.	1,475	81,715
Genco Shipping & Trading, Ltd.	6,771	112,331
Golden Ocean Group, Ltd.	19,034	185,772
Himalaya Shipping, Ltd. (A)	4,506	30,461
Kawasaki Kisen Kaisha, Ltd.	19,300	825,971
Kirby Corp. (A)	11,721	919,864
Kuehne + Nagel International AG	7,614	2,627,567
Matson, Inc.	5,332	584,387
Mitsui OSK Lines, Ltd.	48,200	1,540,967

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Marine transportation (continued)		
Nippon Yusen KK	67,875	\$ 2,096,218
Pangaea Logistics Solutions, Ltd.	5,564	45,847
Safe Bulkers, Inc.	9,048	35,559
SITC International Holdings Company, Ltd.	188,000	324,493
		11,465,523
Passenger airlines – 0.2%		
Allegiant Travel Company	2,437	201,321
American Airlines Group, Inc. (A)	62,062	852,732
ANA Holdings, Inc. (A)	22,349	484,203
Blade Air Mobility, Inc. (A)	9,220	32,547
Delta Air Lines, Inc.	58,431	2,350,679
Deutsche Lufthansa AG (A)	83,829	745,261
Frontier Group Holdings, Inc. (A)	6,404	34,966
Hawaiian Holdings, Inc. (A)	8,027	113,983
Japan Airlines Company, Ltd.	20,240	397,616
JetBlue Airways Corp. (A)	52,837	293,245
Joby Aviation, Inc. (A)(B)	43,314	288,038
Qantas Airways, Ltd. (A)	118,393	433,675
Singapore Airlines, Ltd.	208,627	1,035,902
SkyWest, Inc. (A)	6,199	323,588
Southwest Airlines Company	56,580	1,634,030
Spirit Airlines, Inc. (B)	17,044	279,351
Sun Country Airlines Holdings, Inc. (A)	5,710	89,818
United Airlines Holdings, Inc. (A)	31,155	1,285,455
		10,876,410
Professional services – 1.2%		
Adecco Group AG	22,419	1,101,075
Alight, Inc., Class A (A)	64,359	548,982
ASGN, Inc. (A)	16,647	1,600,942
Asure Software, Inc. (A)	3,348	31,873
Automatic Data Processing, Inc.	38,362	8,937,195
Barrett Business Services, Inc.	994	115,105
BayCurrent Consulting, Inc.	18,500	647,611
BlackSky Technology, Inc. (A)(B)	22,091	30,927
Broadridge Financial Solutions, Inc.	11,220	2,308,515
Bureau Veritas SA	41,324	1,045,486
CACI International, Inc., Class A (A)	4,418	1,430,813
CBIZ, Inc. (A)	7,331	458,847
Ceridian HCM Holding, Inc. (A)	14,782	992,168
Computershare, Ltd.	76,131	1,267,990
Concentrix Corp.	9,378	921,013
Conduent, Inc. (A)	27,169	99,167
CRA International, Inc.	1,114	110,119
CSG Systems International, Inc.	4,854	258,281
Equifax, Inc.	11,657	2,882,660
EXL Service Holdings, Inc. (A)	57,657	1,778,718
Experian PLC	128,874	5,257,456
Exponent, Inc.	17,865	1,572,835
First Advantage Corp.	8,563	141,889
Forrester Research, Inc. (A)	2,089	56,006
Franklin Covey Company (A)	1,834	79,834
FTI Consulting, Inc. (A)	7,042	1,402,414
Genpact, Ltd.	33,099	1,148,866
Heidrick & Struggles International, Inc.	3,076	90,834
HireRight Holdings Corp. (A)	2,463	33,127
Huron Consulting Group, Inc. (A)	2,979	306,241
IBEX Holdings, Ltd. (A)	1,512	28,743
ICF International, Inc.	2,909	390,068
Innodata, Inc. (A)	4,315	35,124
Insperty, Inc.	12,524	1,468,063
Intertek Group PLC	22,613	1,224,191
Jacobs Solutions, Inc.	11,961	1,552,538
KBR, Inc.	26,774	1,483,547
Kelly Services, Inc., Class A	4,868	105,246

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Kforce, Inc.	2,968	\$ 200,518
Korn Ferry	7,990	474,207
Legalzoom.com, Inc. (A)	18,091	204,428
Leidos Holdings, Inc.	13,047	1,412,207
ManpowerGroup, Inc.	9,680	769,270
Maximus, Inc.	21,431	1,797,204
Mistras Group, Inc. (A)	3,906	28,592
NV5 Global, Inc. (A)	2,155	239,464
Parsons Corp. (A)	6,352	398,334
Paychex, Inc.	29,617	3,527,681
Paycom Software, Inc.	4,679	967,243
Paylocity Holding Corp. (A)	8,579	1,414,248
Planet Labs PBC (A)	28,080	69,358
Randstad NV	15,465	970,584
Recruit Holdings Company, Ltd.	202,000	8,445,846
RELX PLC	264,725	10,502,649
Resources Connection, Inc.	5,392	76,405
Robert Half, Inc.	10,172	894,322
Science Applications International Corp.	10,498	1,305,111
SGS SA	21,003	1,813,205
Sterling Check Corp. (A)	5,280	73,498
Teleperformance SE	8,342	1,221,329
TriNet Group, Inc. (A)	4,948	588,466
TrueBlue, Inc. (A)	5,017	76,961
TTEC Holdings, Inc.	3,453	74,827
Upwork, Inc. (A)	19,420	288,775
Verisk Analytics, Inc.	13,328	3,183,526
Verra Mobility Corp. (A)	21,578	496,941
Willdan Group, Inc. (A)	1,823	39,195
Wolters Kluwer NV	34,820	4,953,823
		89,452,726
Trading companies and distributors – 0.9%		
AerCap Holdings NV (A)	28,100	2,088,392
Alta Equipment Group, Inc.	3,832	47,402
Applied Industrial Technologies, Inc.	5,949	1,027,333
Ashtead Group PLC	61,354	4,264,541
Beacon Roofing Supply, Inc. (A)	8,950	778,829
Beijer Ref AB	53,929	723,671
BlueLinx Holdings, Inc. (A)	1,294	146,623
Boise Cascade Company	6,117	791,295
Brenntag SE	19,482	1,790,542
Bunzl PLC	47,354	1,924,254
Core & Main, Inc., Class A (A)	27,105	1,095,313
Custom Truck One Source, Inc. (A)	9,473	58,543
Distribution Solutions Group, Inc. (A)	1,634	51,569
DXP Enterprises, Inc. (A)	2,070	69,759
Fastenal Company	54,271	3,515,133
FTAI Aviation, Ltd.	15,414	715,210
GATX Corp.	12,529	1,506,236
Global Industrial, Inc.	2,105	81,758
GMS, Inc. (A)	6,321	521,040
H&E Equipment Services, Inc.	5,001	261,652
Herc Holdings, Inc.	4,366	650,054
Hudson Technologies, Inc. (A)	6,682	90,140
IMCD NV	7,985	1,390,696
ITOCHU Corp.	166,504	6,783,347
Karat Packaging, Inc.	1,071	26,614
Marubeni Corp.	200,659	3,159,284
McGrath RentCorp	3,816	456,470
Mitsubishi Corp.	483,318	7,698,896
Mitsui & Company, Ltd.	181,303	6,792,322
MonotaRO Company, Ltd.	35,100	381,933
MRC Global, Inc. (A)	13,104	144,275
MSC Industrial Direct Company, Inc., Class A	9,195	931,086

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
NOW, Inc. (A)	16,955	\$ 191,931
Reece, Ltd.	31,678	483,185
Rush Enterprises, Inc., Class A	9,568	481,270
Rush Enterprises, Inc., Class B	1,485	78,675
Sumitomo Corp.	145,638	3,169,324
Textainer Group Holdings, Ltd.	6,320	310,944
Titan Machinery, Inc. (A)	3,412	98,539
Toyota Tsusho Corp.	29,782	1,747,672
Transcat, Inc. (A)	1,266	138,412
United Rentals, Inc.	6,277	3,599,357
W.W. Grainger, Inc.	4,092	3,390,999
Watsco, Inc.	6,716	2,877,605
WESCO International, Inc.	8,711	1,514,669
Willis Lease Finance Corp. (A)	529	25,858
Xometry, Inc., Class A (A)	5,294	190,108
		68,262,760
Transportation infrastructure – 0.1%		
Aena SME SA (C)	10,508	1,907,319
Aéroports de Paris SA	4,853	629,701
Auckland International Airport, Ltd.	185,722	1,033,174
Getlink SE	50,090	917,392
Transurban Group	432,638	4,042,734
		8,530,320
		873,354,394
Information technology – 19.0%		
Communications equipment – 0.6%		
ADTRAN Holdings, Inc.	13,405	98,393
Arista Networks, Inc. (A)	23,338	5,496,332
Aviat Networks, Inc. (A)	1,680	54,869
Calix, Inc. (A)	20,748	906,480
Ciena Corp. (A)	29,320	1,319,693
Cisco Systems, Inc.	378,324	19,112,928
Clearfield, Inc. (A)	2,156	62,696
CommScope Holding Company, Inc. (A)	34,241	96,560
Comtech Telecommunications Corp.	5,110	43,077
Digi International, Inc. (A)	5,668	147,368
Extreme Networks, Inc. (A)	19,561	345,056
F5, Inc. (A)	5,634	1,008,373
Harmonic, Inc. (A)	17,179	224,014
Infinera Corp. (A)	31,075	147,606
Juniper Networks, Inc.	30,526	899,906
Lumentum Holdings, Inc. (A)	13,287	696,505
Motorola Solutions, Inc.	15,514	4,857,278
NETGEAR, Inc. (A)	4,925	71,807
NetScout Systems, Inc. (A)	10,897	239,189
Nokia OYJ	757,613	2,580,377
Ribbon Communications, Inc. (A)	15,346	44,503
Telefonaktiebolaget LM Ericsson, B Shares	410,288	2,582,016
Viavi Solutions, Inc. (A)	34,637	348,795
		41,383,821
Electronic equipment, instruments and components – 1.1%		
908 Devices, Inc. (A)	3,561	39,954
Advanced Energy Industries, Inc.	5,775	629,013
Amphenol Corp., Class A	55,507	5,502,409
Arlo Technologies, Inc. (A)	14,121	134,432
Arrow Electronics, Inc. (A)	10,741	1,313,087
Avnet, Inc.	17,945	904,428
Azbil Corp.	16,100	531,011
Badger Meter, Inc.	4,549	702,229
Bel Fuse, Inc., Class B	1,604	107,099
Belden, Inc.	14,897	1,150,793
Benchmark Electronics, Inc.	5,683	157,078
CDW Corp.	12,733	2,894,466
Climb Global Solutions, Inc.	759	41,616

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Cognex Corp.	34,139	\$ 1,424,962
Coherent Corp. (A)	26,137	1,137,744
Corning, Inc.	69,195	2,106,988
Crane NXT Company	9,574	544,473
CTS Corp.	4,800	209,952
Daktronics, Inc. (A)	5,534	46,928
ePlus, Inc. (A)	4,083	325,987
Evolv Technologies Holdings, Inc. (A)(B)	18,614	87,858
Fabrinet (A)	5,700	1,084,881
FARO Technologies, Inc. (A)	2,914	65,652
Halma PLC	53,192	1,546,605
Hamamatsu Photonics KK	19,700	808,246
Hexagon AB, B Shares	290,898	3,494,062
Hirose Electric Company, Ltd.	4,275	482,811
Ibiden Company, Ltd.	15,800	871,618
Insight Enterprises, Inc. (A)	4,430	784,952
IPG Photonics Corp. (A)	5,863	636,370
Iteris, Inc. (A)	6,859	35,667
Itron, Inc. (A)	7,047	532,119
Jabil, Inc.	11,822	1,506,123
Keyence Corp.	27,300	11,994,426
Keysight Technologies, Inc. (A)	16,216	2,579,803
Kimball Electronics, Inc. (A)	3,965	106,857
Knowles Corp. (A)	14,014	250,991
Kyocera Corp.	179,852	2,618,656
Lightwave Logic, Inc. (A)(B)	19,018	94,710
Littelfuse, Inc.	4,937	1,320,944
Luna Innovations, Inc. (A)	5,655	37,606
Methode Electronics, Inc.	5,469	124,310
MicroVision, Inc. (A)(B)	29,092	77,385
Mirion Technologies, Inc. (A)	30,910	316,828
Murata Manufacturing Company, Ltd.	241,417	5,101,619
Napco Security Technologies, Inc.	5,209	178,408
nLight, Inc. (A)	7,357	99,320
Novanta, Inc. (A)	12,632	2,127,355
Omron Corp.	24,518	1,140,895
OSI Systems, Inc. (A)	2,484	320,560
PAR Technology Corp. (A)	4,090	178,079
PC Connection, Inc.	1,792	120,440
Plexus Corp. (A)	4,241	458,579
Richardson Electronics, Ltd.	2,230	29,771
Rogers Corp. (A)	2,676	353,419
Sanmina Corp. (A)	8,722	448,049
ScanSource, Inc. (A)	3,835	151,904
Shimadzu Corp.	33,192	925,493
SmartRent, Inc. (A)(B)	28,446	90,743
TD SYNNEX Corp.	10,172	1,094,609
TDK Corp.	54,463	2,582,873
TE Connectivity, Ltd.	28,990	4,073,095
Teledyne Technologies, Inc. (A)	4,472	1,995,809
Trimble, Inc. (A)	23,588	1,254,882
TTM Technologies, Inc. (A)	15,945	252,090
Vishay Intertechnology, Inc.	44,796	1,073,760
Vishay Precision Group, Inc. (A)	2,107	71,785
Vontier Corp.	30,606	1,057,437
Vuzix Corp. (A)(B)	10,698	22,305
Yokogawa Electric Corp.	31,992	608,103
Zebra Technologies Corp., Class A (A)	4,877	1,333,030
		78,508,541
IT services – 1.0%		
Accenture PLC, Class A	58,616	20,568,941
Akamai Technologies, Inc. (A)	14,439	1,708,856
Applied Digital Corp. (A)(B)	13,070	88,092
Bechtel AG	11,475	574,755

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
BigCommerce Holdings, Inc., Series 1 (A)	10,443	\$ 101,610
Brightcove, Inc. (A)	8,668	22,450
Capgemini SE	21,889	4,574,616
Cognizant Technology Solutions Corp., Class A	46,462	3,509,275
Couchbase, Inc. (A)	5,606	126,247
DigitalOcean Holdings, Inc. (A)	9,808	359,856
EPAM Systems, Inc. (A)	5,506	1,637,154
Fastly, Inc., Class A (A)	18,701	332,878
Fujitsu, Ltd.	24,623	3,705,604
Gartner, Inc. (A)	7,251	3,270,999
GoDaddy, Inc., Class A (A)	27,928	2,964,836
Grid Dynamics Holdings, Inc. (A)	8,742	116,531
IBM Corp.	85,296	13,950,161
Information Services Group, Inc.	6,685	31,486
Kyndryl Holdings, Inc. (A)	45,507	945,635
NEC Corp.	34,384	2,031,618
Nomura Research Institute, Ltd.	54,100	1,571,212
NTT Data Group Corp.	88,410	1,249,732
Obic Company, Ltd.	9,800	1,686,139
Otsuka Corp.	16,000	658,479
Perficient, Inc. (A)	5,305	349,175
Rackspace Technology, Inc. (A)	10,538	21,076
SCSK Corp.	21,900	433,585
Squarespace, Inc., Class A (A)	7,751	255,861
The Hackett Group, Inc.	3,814	86,845
Thoughtworks Holding, Inc. (A)	14,490	69,697
TIS, Inc.	30,800	676,962
Tucows, Inc., Class A (A)	1,735	46,845
Unisys Corp. (A)	10,427	58,600
VeriSign, Inc. (A)	8,020	1,651,799
Wix.com, Ltd. (A)	7,600	934,952
		<u>70,372,559</u>
Semiconductors and semiconductor equipment – 5.7%		
ACM Research, Inc., Class A (A)	7,483	146,218
Advanced Micro Devices, Inc. (A)	150,770	22,225,006
Advantest Corp.	107,300	3,615,533
Aehr Test Systems (A)	4,296	113,973
Allegro MicroSystems, Inc. (A)	14,123	427,503
Alpha & Omega Semiconductor, Ltd. (A)	3,797	98,950
Ambarella, Inc. (A)	5,861	359,221
Amkor Technology, Inc.	37,868	1,259,868
Analog Devices, Inc.	46,466	9,226,289
Applied Materials, Inc.	78,008	12,642,757
ASM International NV	6,579	3,424,202
ASML Holding NV	56,484	42,639,065
Atomera, Inc. (A)(B)	4,103	28,762
Axcelis Technologies, Inc. (A)	5,027	651,952
BE Semiconductor Industries NV	10,802	1,630,842
Broadcom, Inc.	40,981	45,745,041
CEVA, Inc. (A)	3,609	81,960
Cirrus Logic, Inc. (A)	10,689	889,218
Cohu, Inc. (A)	7,187	254,348
Credo Technology Group Holding, Ltd. (A)	17,828	347,111
Diodes, Inc. (A)	6,975	561,627
Disco Corp.	12,900	3,185,871
Enphase Energy, Inc. (A)	12,953	1,711,609
First Solar, Inc. (A)	10,148	1,748,297
FormFactor, Inc. (A)	12,007	500,812
Ichor Holdings, Ltd. (A)	4,434	149,115
Impinj, Inc. (A)	3,628	326,629
Indie Semiconductor, Inc., Class A (A)	23,440	190,098
Infineon Technologies AG	182,975	7,641,515
Intel Corp.	393,344	19,765,536
inTEST Corp. (A)	1,886	25,650

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
KLA Corp.	12,688	\$ 7,375,534
Kulicke & Soffa Industries, Inc.	8,557	468,239
Lam Research Corp.	12,289	9,625,482
Lasertec Corp.	10,600	2,782,780
Lattice Semiconductor Corp. (A)	27,374	1,888,532
MACOM Technology Solutions Holdings, Inc. (A)	19,118	1,777,018
Maxon Solar Technologies, Ltd. (A)	4,870	34,918
MaxLinear, Inc. (A)	11,878	282,340
Microchip Technology, Inc.	50,339	4,539,571
Micron Technology, Inc.	102,336	8,733,354
MKS Instruments, Inc.	12,467	1,282,480
Monolithic Power Systems, Inc.	4,538	2,862,480
Navitas Semiconductor Corp. (A)	17,022	137,368
NVE Corp.	729	57,175
NVIDIA Corp.	230,570	114,182,875
NXP Semiconductors NV	23,987	5,509,334
ON Semiconductor Corp. (A)	39,626	3,309,960
Onto Innovation, Inc. (A)	17,323	2,648,687
PDF Solutions, Inc. (A)	4,812	154,658
Photronics, Inc. (A)	9,424	295,631
Power Integrations, Inc.	20,028	1,644,499
Qorvo, Inc. (A)	9,301	1,047,386
Qualcomm, Inc.	103,894	15,026,189
Rambus, Inc. (A)	38,176	2,605,512
Renesas Electronics Corp. (A)	205,800	3,679,902
Rohm Company, Ltd.	46,168	881,382
Semtech Corp. (A)	9,992	218,925
Silicon Laboratories, Inc. (A)	11,221	1,484,202
SiTime Corp. (A)	2,696	329,128
SkyWater Technology, Inc. (A)	2,864	27,552
Skyworks Solutions, Inc.	15,141	1,702,151
SMART Global Holdings, Inc. (A)	7,824	148,108
STMicroelectronics NV	95,761	4,803,272
SUMCO Corp.	49,100	734,495
Synaptics, Inc. (A)	13,874	1,582,746
Teradyne, Inc.	14,630	1,587,648
Texas Instruments, Inc.	84,750	14,446,485
Tokyo Electron, Ltd.	66,080	11,745,050
Ultra Clean Holdings, Inc. (A)	6,908	235,839
Universal Display Corp.	8,641	1,652,678
Veeco Instruments, Inc. (A)	7,889	244,796
Wolfspeed, Inc. (A)	24,855	1,081,441
		<u>416,472,380</u>
Software – 6.6%		
8x8, Inc. (A)	18,677	70,599
A10 Networks, Inc.	11,242	148,057
ACI Worldwide, Inc. (A)	16,735	512,091
Adeia, Inc.	16,745	207,471
Adobe, Inc. (A)	42,513	25,363,256
Agilysys, Inc. (A)	3,101	263,027
Alarm.com Holdings, Inc. (A)	7,379	476,831
Alkami Technology, Inc. (A)	6,246	151,466
Altair Engineering, Inc., Class A (A)	8,412	707,870
American Software, Inc., Class A	5,503	62,184
Amplitude, Inc., Class A (A)	10,623	135,125
ANSYS, Inc. (A)	7,871	2,856,228
Appfolio, Inc., Class A (A)	2,968	514,176
Appian Corp., Class A (A)	6,324	238,162
Asana, Inc., Class A (A)(B)	12,423	236,161
Aspen Technology, Inc. (A)	5,558	1,223,594
Aurora Innovation, Inc. (A)	52,678	230,203
Autodesk, Inc. (A)	19,831	4,828,452
AvePoint, Inc. (A)	23,341	191,630
Bit Digital, Inc. (A)(B)	13,777	58,277

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Blackbaud, Inc. (A)	15,280	\$ 1,324,776
Blackline, Inc. (A)	8,745	546,038
Box, Inc., Class A (A)	21,691	555,507
Braze, Inc., Class A (A)	8,095	430,087
c3.ai, Inc., Class A (A)(B)	12,630	362,607
Cadence Design Systems, Inc. (A)	25,417	6,922,828
Cerence, Inc. (A)	6,234	122,560
Check Point Software Technologies, Ltd. (A)	13,126	2,005,522
Cipher Mining, Inc. (A)	6,708	27,704
CleanSpark, Inc. (A)	23,241	256,348
Clear Secure, Inc., Class A	12,580	259,777
CommVault Systems, Inc. (A)	15,426	1,231,766
Consensus Cloud Solutions, Inc. (A)	3,222	84,449
CS Disco, Inc. (A)	4,304	32,667
CyberArk Software, Ltd. (A)	5,900	1,292,395
Dassault Systemes SE	93,626	4,582,741
Digimarc Corp. (A)	2,196	79,320
Digital Turbine, Inc. (A)	15,613	107,105
Dolby Laboratories, Inc., Class A	11,811	1,017,872
Domo, Inc., Class B (A)	5,270	54,228
Dropbox, Inc., Class A (A)	50,806	1,497,761
Dynatrace, Inc. (A)	47,291	2,586,345
E2open Parent Holdings, Inc. (A)	27,237	119,570
Ebix, Inc. (A)	4,420	4,597
eGain Corp. (A)	4,177	34,794
Enfusion, Inc., Class A (A)	6,220	60,334
EngageSmart, Inc. (A)	7,722	176,834
Investnet, Inc. (A)	7,735	383,037
Everbridge, Inc. (A)	6,291	152,934
EverCommerce, Inc. (A)	4,179	46,094
Expensify, Inc., Class A (A)	9,685	23,922
Fair Isaac Corp. (A)	2,266	2,637,647
Fortinet, Inc. (A)	59,425	3,478,145
Freshworks, Inc., Class A (A)	25,087	589,294
Gen Digital, Inc.	53,452	1,219,775
Instructure Holdings, Inc. (A)	3,095	83,596
Intapp, Inc. (A)	4,380	166,528
InterDigital, Inc.	4,063	440,998
Intuit, Inc.	26,176	16,360,785
Jamf Holding Corp. (A)	11,047	199,509
Kaltura, Inc. (A)	16,172	31,535
LivePerson, Inc. (A)	12,117	45,923
LiveRamp Holdings, Inc. (A)	10,231	387,550
Manhattan Associates, Inc. (A)	12,210	2,629,057
Marathon Digital Holdings, Inc. (A)(B)	33,019	775,616
Matterport, Inc. (A)	41,708	112,195
MeridianLink, Inc. (A)	4,017	99,501
Microsoft Corp.	693,839	260,911,218
MicroStrategy, Inc., Class A (A)(B)	1,893	1,195,657
Mitek Systems, Inc. (A)	6,646	86,664
Model N, Inc. (A)	6,121	164,839
Monday.com, Ltd. (A)	3,700	694,897
N-able, Inc. (A)	10,982	145,512
Nemetschek SE	8,091	698,534
NextNav, Inc. (A)	8,474	37,709
Nice, Ltd. (A)	8,873	1,764,651
Olo, Inc., Class A (A)	17,219	98,493
ON24, Inc.	4,667	36,776
OneSpan, Inc. (A)	6,720	72,038
Oracle Corp.	148,351	15,640,646
Oracle Corp. Japan	5,406	416,149
PagerDuty, Inc. (A)	13,960	323,174
Palo Alto Networks, Inc. (A)	29,053	8,567,149
PowerSchool Holdings, Inc., Class A (A)	8,681	204,524

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Progress Software Corp.	6,656	\$ 361,421
PROS Holdings, Inc. (A)	6,910	268,039
PTC, Inc. (A)	11,288	1,974,948
Q2 Holdings, Inc. (A)	8,714	378,275
Qualys, Inc. (A)	13,021	2,555,762
Rapid7, Inc. (A)	9,386	535,941
Red Violet, Inc. (A)	1,787	35,686
Rimini Street, Inc. (A)	9,265	30,297
Riot Platforms, Inc. (A)(B)	29,520	456,674
Roper Technologies, Inc.	9,936	5,416,809
Salesforce, Inc. (A)	90,837	23,902,848
SAP SE	146,309	22,520,105
Sapiens International Corp. NV	4,790	138,623
SEMrush Holdings, Inc., Class A (A)	4,770	65,158
ServiceNow, Inc. (A)	19,148	13,527,871
SolarWinds Corp. (A)	7,971	99,558
SoundHound AI, Inc., Class A (A)(B)	22,920	48,590
SoundThinking, Inc. (A)	1,657	42,320
Sprinklr, Inc., Class A (A)	16,733	201,465
Sprout Social, Inc., Class A (A)	7,360	452,198
SPS Commerce, Inc. (A)	5,644	1,094,033
Synopsys, Inc. (A)	14,212	7,317,901
Temenos AG	8,952	834,220
Tenable Holdings, Inc. (A)	17,712	815,815
Teradata Corp. (A)	19,396	843,920
TeraWulf, Inc. (A)	22,218	53,323
The Sage Group PLC	143,878	2,147,926
Trend Micro, Inc.	18,764	1,001,434
Tyler Technologies, Inc. (A)	3,997	1,671,226
Varonis Systems, Inc. (A)	16,786	760,070
Verint Systems, Inc. (A)	9,645	260,704
Weave Communications, Inc. (A)	4,941	56,673
WiseTech Global, Ltd.	23,351	1,196,844
Workiva, Inc. (A)	7,662	777,923
Xero, Ltd. (A)	20,161	1,538,053
Xperi, Inc. (A)	7,175	79,069
Yext, Inc. (A)	17,345	102,162
Zeta Global Holdings Corp., Class A (A)	21,610	190,600
Zuora, Inc., Class A (A)	20,876	196,234
		479,124,381
Technology hardware, storage and peripherals – 4.0%		
Apple, Inc.	1,364,790	262,762,997
Brother Industries, Ltd.	32,536	518,136
Canon, Inc. (B)	140,177	3,596,060
Corsair Gaming, Inc. (A)	6,013	84,783
Eastman Kodak Company (A)	9,797	38,208
FUJIFILM Holdings Corp.	52,238	3,130,611
Hewlett Packard Enterprise Company	116,008	1,969,816
HP, Inc.	82,417	2,479,928
Immersion Corp. (A)	4,428	31,262
Intevac, Inc. (A)	4,469	19,306
IonQ, Inc. (A)(B)	24,996	309,700
Logitech International SA	23,042	2,191,026
NetApp, Inc.	18,789	1,656,438
Ricoh Company, Ltd.	76,877	588,764
Seagate Technology Holdings PLC	18,321	1,564,064
Seiko Epson Corp.	40,447	603,911
Super Micro Computer, Inc. (A)	16,386	4,657,884
Turtle Beach Corp. (A)	2,832	31,010
Western Digital Corp. (A)	30,391	1,591,577
Xerox Holdings Corp.	18,104	331,846
		288,157,327
		1,374,019,009

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Materials – 4.4%		
Chemicals – 2.1%		
AdvanSix, Inc.	4,283	\$ 128,319
Air Liquide SA	73,382	14,287,140
Air Products & Chemicals, Inc.	20,675	5,660,815
Akzo Nobel NV	23,902	1,979,247
Albemarle Corp.	11,147	1,610,519
American Vanguard Corp.	4,649	51,000
Arkema SA	8,412	958,277
Asahi Kasei Corp.	175,757	1,297,145
Ashland, Inc.	10,162	856,758
Aspen Aerogels, Inc. (A)	7,942	125,325
Avient Corp.	32,047	1,332,194
Axalta Coating Systems, Ltd. (A)	43,647	1,482,689
Balchem Corp.	4,960	737,800
BASF SE	125,053	6,733,739
Cabot Corp.	19,509	1,629,002
Celanese Corp.	9,507	1,477,103
CF Industries Holdings, Inc.	18,328	1,457,076
Chr. Hansen Holding A/S	14,779	1,239,474
Clariant AG (A)	30,232	446,669
Corteva, Inc.	64,991	3,114,369
Covestro AG (A)(C)	27,101	1,579,226
Croda International PLC	19,564	1,258,433
Dow, Inc.	64,670	3,546,503
DSM-Firmenich AG	26,057	2,649,825
DuPont de Nemours, Inc.	40,269	3,097,894
Eastman Chemical Company	11,262	1,011,553
Ecolab, Inc.	23,539	4,668,961
Ecovyst, Inc. (A)	14,719	143,805
EMS-Chemie Holding AG	983	797,044
Evonik Industries AG	32,647	666,944
FMC Corp.	11,848	747,016
Givaudan SA	1,294	5,365,845
Hawkins, Inc.	3,025	213,021
HB Fuller Company	8,301	675,784
ICL Group, Ltd.	108,395	544,972
Ingevity Corp. (A)	5,716	269,910
Innospec, Inc.	3,882	478,418
International Flavors & Fragrances, Inc.	24,247	1,963,280
Intrepid Potash, Inc. (A)	1,648	39,371
JSR Corp.	24,790	705,381
Koppers Holdings, Inc.	3,175	162,624
Kronos Worldwide, Inc.	3,503	34,820
Linde PLC	45,273	18,594,074
Livent Corp. (A)(B)	63,616	1,143,816
LSB Industries, Inc. (A)	8,291	77,189
LyondellBasell Industries NV, Class A	24,328	2,313,106
Mativ Holdings, Inc.	8,997	137,744
Minerals Technologies, Inc.	4,975	354,767
Mitsubishi Chemical Group Corp.	179,359	1,096,443
Mitsui Chemicals, Inc.	23,918	707,303
NewMarket Corp.	1,369	747,241
Nippon Paint Holdings Company, Ltd.	132,900	1,072,016
Nippon Sanso Holdings Corp.	24,257	647,725
Nissan Chemical Corp.	17,600	685,320
Nitto Denko Corp.	20,087	1,498,996
Novozymes A/S, B Shares	28,657	1,575,372
OCI NV	14,782	428,403
Olin Corp.	24,304	1,311,201
Orica, Ltd.	63,819	693,729
Orion SA	8,608	238,700
Perimeter Solutions SA (A)	24,159	111,131
PPG Industries, Inc.	21,622	3,233,570
PureCycle Technologies, Inc. (A)(B)	19,183	77,691
Quaker Chemical Corp.	2,146	457,999

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Rayonier Advanced Materials, Inc. (A)	11,180	\$ 45,279
RPM International, Inc.	25,549	2,852,035
Sensient Technologies Corp.	6,580	434,280
Shin-Etsu Chemical Company, Ltd.	255,230	10,674,525
Sika AG	21,361	6,965,312
Solvay SA	10,384	318,259
Stepan Company	3,331	314,946
Sumitomo Chemical Company, Ltd.	197,244	479,448
Syensqo SA (A)	10,384	1,080,542
Symrise AG	18,604	2,044,496
The Chemours Company	29,438	928,475
The Mosaic Company	31,564	1,127,782
The Scotts Miracle-Gro Company	8,241	525,364
The Sherwin-Williams Company	21,988	6,858,057
Toray Industries, Inc.	194,272	1,006,332
Tosoh Corp.	36,400	464,028
Trinseo PLC	5,975	50,011
Tronox Holdings PLC	18,265	258,632
Umicore SA	29,345	807,192
Wacker Chemie AG	2,558	322,511
Westlake Corp.	6,353	889,166
Yara International ASA	23,198	824,146
		153,699,644
Construction materials – 0.4%		
CRH PLC (London Stock Exchange)	99,159	6,824,051
Eagle Materials, Inc.	6,919	1,403,450
Heidelberg Materials AG	19,565	1,748,879
Holcim, Ltd. (A)	73,028	5,735,721
James Hardie Industries PLC, CHESS Depositary Interest (A)	61,666	2,377,588
Knife River Corp. (A)	19,980	1,322,276
Martin Marietta Materials, Inc.	5,871	2,929,101
Summit Materials, Inc., Class A (A)	18,447	709,472
United States Lime & Minerals, Inc.	331	76,246
Vulcan Materials Company	12,126	2,752,723
		25,879,507
Containers and packaging – 0.3%		
Ancor PLC	128,413	1,237,901
AptarGroup, Inc.	13,046	1,612,747
Avery Dennison Corp.	7,655	1,547,535
Ball Corp.	29,927	1,721,401
Berry Global Group, Inc.	23,422	1,578,409
Crown Holdings, Inc.	23,927	2,203,437
Graphic Packaging Holding Company	60,697	1,496,181
Greif, Inc., Class A	8,824	578,766
Greif, Inc., Class B	771	50,894
International Paper Company	32,867	1,188,142
Myers Industries, Inc.	5,682	111,083
O-I Glass, Inc. (A)	24,001	393,136
Packaging Corp. of America	8,541	1,391,414
Pactiv Evergreen, Inc.	6,223	85,317
Ranpak Holdings Corp. (A)	6,877	40,024
SIG Group AG (A)	42,849	986,856
Silgan Holdings, Inc.	16,052	726,353
Smurfit Kappa Group PLC	36,479	1,446,046
Sonoco Products Company	19,427	1,085,386
TriMas Corp.	6,871	174,042
Westrock Company	24,344	1,010,763
		20,665,833
Metals and mining – 1.5%		
1911 Gold Corp. (A)	3,149	192
Alcoa Corp.	35,395	1,203,430
Alpha Metallurgical Resources, Inc.	1,788	605,989
Anglo American PLC	178,040	4,455,753

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Antofagasta PLC	55,251	\$ 1,181,375
ArcelorMittal SA	71,693	2,034,647
Arch Resources, Inc.	2,789	462,807
ATI, Inc. (A)	19,944	906,854
BHP Group, Ltd.	710,189	24,263,330
BlueScope Steel, Ltd.	63,293	1,009,047
Boliden AB	38,323	1,199,491
Caledonia Mining Corp. PLC (B)	3,176	38,747
Carpenter Technology Corp.	7,582	536,806
Century Aluminum Company (A)	8,082	98,115
Cleveland-Cliffs, Inc. (A)	100,124	2,044,532
Coeur Mining, Inc. (A)	51,300	167,238
Commercial Metals Company	41,263	2,064,801
Compass Minerals International, Inc.	5,201	131,689
Constellation SE (A)	19,918	397,563
Contango ORE, Inc. (A)	1,276	23,108
Dakota Gold Corp. (A)	11,106	29,098
Endeavour Mining PLC	25,868	578,827
Fortescue, Ltd.	237,270	4,678,334
Freeport-McMoRan, Inc.	133,359	5,677,093
Glencore PLC	1,466,615	8,815,889
Haynes International, Inc.	1,972	112,503
Hecla Mining Company	94,101	452,626
i-80 Gold Corp. (A)(B)	33,755	59,409
IGO, Ltd.	95,492	588,529
Ivanhoe Electric, Inc. (A)	10,463	105,467
JFE Holdings, Inc.	80,633	1,247,490
Kaiser Aluminum Corp.	2,459	175,056
Materion Corp.	3,134	407,827
Mineral Resources, Ltd.	24,613	1,172,406
MP Materials Corp. (A)	28,564	566,995
Newmont Corp.	107,489	4,448,970
Nippon Steel Corp.	119,800	2,736,684
Norsk Hydro ASA	185,899	1,249,540
Northern Star Resources, Ltd.	161,019	1,493,951
Novagold Resources, Inc. (A)	38,074	142,397
Nucor Corp.	22,962	3,996,306
Olympic Steel, Inc.	1,478	98,583
Pan American Silver Corp. (A)	54,671	28,156
Perpetua Resources Corp. (A)	6,884	21,822
Piedmont Lithium, Inc. (A)	2,906	82,036
Pilbara Minerals, Ltd. (B)	400,581	1,075,208
Ramaco Resources, Inc. (A)(B)	3,729	64,064
Reliance Steel & Aluminum Company	11,398	3,187,793
Rio Tinto PLC	157,766	11,734,803
Rio Tinto, Ltd.	52,012	4,816,195
Royal Gold, Inc.	13,028	1,575,867
Ryerson Holding Corp.	4,425	153,459
Schnitzer Steel Industries, Inc., Class A	3,941	118,861
South32, Ltd.	635,463	1,437,189
Steel Dynamics, Inc.	13,832	1,633,559
Sumitomo Metal Mining Company, Ltd.	34,607	1,027,753
SunCoke Energy, Inc.	13,546	145,484
TimkenSteel Corp. (A)	6,743	158,123
Tredegar Corp.	4,147	22,435
U.S. Steel Corp.	44,233	2,151,935
voestalpine AG	16,260	511,960
Warrior Met Coal, Inc.	8,046	490,565
Worthington Steel, Inc. (A)	4,740	133,194
		112,229,955
Paper and forest products – 0.1%		
Clearwater Paper Corp. (A)	2,609	94,237
Holmen AB, B Shares	10,680	451,089
Louisiana-Pacific Corp.	12,727	901,453
Mondi PLC	68,031	1,331,006

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Paper and forest products (continued)		
Oji Holdings Corp.	120,838	\$ 464,490
Resolute Forest Products, Inc. (A)(D)	7,217	10,248
Stora Enso OYJ, R Shares	81,513	1,129,408
Svenska Cellulosa AB SCA, B Shares	84,890	1,275,257
Sylvamo Corp.	5,649	277,422
UPM-Kymmene OYJ	74,783	2,820,865
		8,755,475
		321,230,414
Real estate – 3.0%		
Diversified REITs – 0.2%		
Alexander & Baldwin, Inc.	11,574	220,137
Alpine Income Property Trust, Inc.	1,643	27,783
American Assets Trust, Inc.	7,569	170,378
Armada Hoffler Properties, Inc.	10,414	128,821
Broadstone Net Lease, Inc.	28,952	498,553
CTO Realty Growth, Inc.	3,189	55,265
Daiwa House REIT Investment Corp.	325	579,539
Empire State Realty Trust, Inc., Class A	20,475	198,403
Essential Properties Realty Trust, Inc.	23,984	613,031
Gladstone Commercial Corp.	6,048	80,076
Global Net Lease, Inc.	29,594	294,460
KDX Realty Investment Corp.	1,000	1,139,033
Land Securities Group PLC	99,144	889,760
Mirvac Group	552,865	786,520
NexPoint Diversified Real Estate Trust	5,637	44,814
Nomura Real Estate Master Fund, Inc.	595	695,873
One Liberty Properties, Inc.	2,429	53,219
Star Holdings (A)	2,608	39,068
Stockland	334,475	1,014,340
The GPT Group	268,395	847,045
WP Carey, Inc.	43,367	2,810,615
		11,186,733
Health care REITs – 0.2%		
CareTrust REIT, Inc.	15,204	340,266
Community Healthcare Trust, Inc.	4,612	122,864
Diversified Healthcare Trust	37,341	139,655
Global Medical REIT, Inc.	9,629	106,882
Healthcare Realty Trust, Inc.	75,535	1,301,468
Healthpeak Properties, Inc.	51,965	1,028,907
LTC Properties, Inc.	6,206	199,337
Medical Properties Trust, Inc.	118,794	583,279
National Health Investors, Inc.	6,459	360,735
Omega Healthcare Investors, Inc.	48,587	1,489,677
Physicians Realty Trust	84,171	1,120,316
Sabra Health Care REIT, Inc.	81,518	1,163,262
Universal Health Realty Income Trust	2,174	94,026
Ventas, Inc.	38,221	1,904,935
Welltower, Inc.	51,680	4,659,986
		14,615,595
Hotel and resort REITs – 0.1%		
Apple Hospitality REIT, Inc.	33,052	548,994
Braemar Hotels & Resorts, Inc.	12,248	30,620
Chatham Lodging Trust	7,790	83,509
DiamondRock Hospitality Company	32,878	308,724
Host Hotels & Resorts, Inc.	67,596	1,316,094
Park Hotels & Resorts, Inc.	41,644	637,153
Pebblebrook Hotel Trust	18,344	293,137
RLJ Lodging Trust	23,798	278,913
Ryman Hospitality Properties, Inc.	8,981	988,449
Service Properties Trust	25,733	219,760
Summit Hotel Properties, Inc.	16,365	109,973
Sunstone Hotel Investors, Inc.	32,503	348,757

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotel and resort REITs (continued)		
Xenia Hotels & Resorts, Inc.	16,993	\$ 231,445
		5,395,528
Industrial REITs – 0.4%		
CapitaLand Ascendas REIT	522,878	1,198,735
EastGroup Properties, Inc.	9,188	1,686,366
First Industrial Realty Trust, Inc.	26,233	1,381,692
GLP J-REIT	656	653,008
Goodman Group	239,486	4,123,197
Innovative Industrial Properties, Inc.	4,301	433,627
LXP Industrial Trust	44,466	441,103
Mapletree Logistics Trust	486,500	640,572
Nippon Prologis REIT, Inc.	318	611,445
Plymouth Industrial REIT, Inc.	7,109	171,114
Prologis, Inc.	86,323	11,506,856
Rexford Industrial Realty, Inc.	41,865	2,348,627
Segro PLC	163,400	1,842,704
STAG Industrial, Inc.	36,009	1,413,713
Terreno Realty Corp.	12,751	799,105
Warehouses De Pauw CVA	23,238	731,489
		29,983,353
Office REITs – 0.2%		
Alexandria Real Estate Equities, Inc.	14,793	1,875,309
Boston Properties, Inc.	13,709	961,961
Brandywine Realty Trust	25,322	136,739
City Office REIT, Inc.	7,313	44,682
COPT Defense Properties	39,656	1,016,383
Cousins Properties, Inc.	30,100	732,935
Covivio SA	7,076	380,754
Dexus	150,699	787,575
Douglas Emmett, Inc.	24,770	359,165
Easterly Government Properties, Inc.	14,556	195,633
Equity Commonwealth	16,134	309,773
Gecina SA	6,441	784,122
Hudson Pacific Properties, Inc.	21,568	200,798
Japan Real Estate Investment Corp.	179	740,515
JBG SMITH Properties	15,771	268,265
Kilroy Realty Corp.	21,158	842,935
Nippon Building Fund, Inc.	214	926,381
Office Properties Income Trust	8,257	60,441
Orion Office REIT, Inc.	7,969	45,583
Paramount Group, Inc.	28,598	147,852
Peakstone Realty Trust	5,579	111,189
Piedmont Office Realty Trust, Inc., Class A	18,165	129,153
Postal Realty Trust, Inc., Class A	2,850	41,496
SL Green Realty Corp.	10,031	453,100
Vornado Realty Trust	31,706	895,695
		12,448,434
Real estate management and development – 0.5%		
Anywhere Real Estate, Inc. (A)	16,747	135,818
Azrieli Group, Ltd.	5,946	384,591
CapitaLand Investment, Ltd.	364,484	871,436
CBRE Group, Inc., Class A (A)	28,147	2,620,204
City Developments, Ltd.	70,113	353,018
CK Asset Holdings, Ltd.	273,562	1,373,033
Compass, Inc., Class A (A)	45,100	169,576
CoStar Group, Inc. (A)	37,502	3,277,300
Cushman & Wakefield PLC (A)	25,804	278,683
Daito Trust Construction Company, Ltd.	8,711	1,008,267
Daiwa House Industry Company, Ltd.	83,166	2,514,139
DigitalBridge Group, Inc.	25,083	439,956
Douglas Elliman, Inc.	13,400	39,530
ESR Group, Ltd. (C)	305,200	422,078
eXp World Holdings, Inc. (B)	10,965	170,177

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
Fastighets AB Balder, B Shares (A)	91,349	\$ 647,835
Forestar Group, Inc. (A)	2,785	92,100
FRP Holdings, Inc. (A)	1,219	76,651
Hang Lung Properties, Ltd.	252,313	350,793
Henderson Land Development Company, Ltd.	203,709	627,309
Hongkong Land Holdings, Ltd.	154,634	537,825
Hulic Company, Ltd.	53,769	561,676
Jones Lang LaSalle, Inc. (A)	9,435	1,781,988
Kennedy-Wilson Holdings, Inc.	18,763	232,286
LEG Immobilien SE (A)	10,384	908,699
Marcus & Millichap, Inc.	3,732	163,014
Maui Land & Pineapple Company, Inc. (A)	1,399	22,230
Mitsubishi Estate Company, Ltd.	157,724	2,162,092
Mitsui Fudosan Company, Ltd.	124,726	3,049,514
New World Development Company, Ltd.	211,392	327,767
Newmark Group, Inc., Class A	21,328	233,755
Nomura Real Estate Holdings, Inc.	15,363	403,132
Opendoor Technologies, Inc. (A)	86,339	386,799
RE/MAX Holdings, Inc., Class A	2,918	38,897
Redfin Corp. (A)	17,338	178,928
Sagax AB, Class B	27,665	761,467
Sino Land Company, Ltd.	515,722	560,838
Sumitomo Realty & Development Company, Ltd.	39,983	1,184,856
Sun Hung Kai Properties, Ltd.	202,814	2,194,725
Swire Pacific, Ltd., Class A	60,018	508,331
Swire Properties, Ltd.	163,887	331,749
Swiss Prime Site AG	10,749	1,148,458
Tejon Ranch Company (A)	3,628	62,402
The RMR Group, Inc., Class A	2,442	68,938
The St. Joe Company	5,357	322,384
The Wharf Holdings, Ltd.	150,000	483,217
UOL Group, Ltd.	65,070	309,115
Vonovia SE	102,727	3,227,857
Wharf Real Estate Investment Company, Ltd.	234,346	792,201
		38,797,634
Residential REITs – 0.2%		
Apartment Income REIT Corp.	29,152	1,012,449
Apartment Investment and Management Company, Class A (A)	24,110	188,781
AvalonBay Communities, Inc.	12,888	2,412,891
BRT Apartments Corp.	2,376	44,170
Camden Property Trust	10,142	1,006,999
Centerspace	2,326	135,373
Elme Communities	13,480	196,808
Equity LifeStyle Properties, Inc.	36,966	2,607,582
Equity Residential	32,764	2,003,846
Essex Property Trust, Inc.	6,097	1,511,690
Independence Realty Trust, Inc.	79,203	1,211,806
Invitation Homes, Inc.	54,643	1,863,873
Mid-America Apartment Communities, Inc.	11,083	1,490,220
NexPoint Residential Trust, Inc.	3,531	121,572
UDR, Inc.	28,794	1,102,522
UMH Properties, Inc.	9,929	152,112
Veris Residential, Inc.	12,286	193,259
		17,255,953
Retail REITs – 0.4%		
Acadia Realty Trust	14,455	245,590
Agree Realty Corp.	19,935	1,254,908
Alexander's, Inc.	334	71,332
Brixmor Property Group, Inc.	59,614	1,387,218
CapitaLand Integrated Commercial Trust	745,930	1,162,750
CBL & Associates Properties, Inc.	4,184	102,173

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Retail REITs (continued)		
Federal Realty Investment Trust	6,969	\$ 718,155
Getty Realty Corp.	7,319	213,861
InvenTrust Properties Corp.	10,701	271,163
Japan Metropolitan Fund Investment Corp.	979	706,643
Kimco Realty Corp.	58,883	1,254,797
Kite Realty Group Trust	77,081	1,762,072
Klepierre SA	30,145	822,978
Link REIT	359,006	2,015,837
Mapletree Pan Asia Commercial Trust	330,800	393,005
NETSTREIT Corp.	10,603	189,264
NNN REIT, Inc.	36,182	1,559,444
Phillips Edison & Company, Inc.	18,185	663,389
Realty Income Corp.	67,329	3,866,031
Regency Centers Corp.	15,608	1,045,736
Retail Opportunity Investments Corp.	19,048	267,243
RPT Realty	13,678	175,489
Saul Centers, Inc.	2,060	80,896
Scentre Group	727,238	1,480,954
Simon Property Group, Inc.	30,284	4,319,710
SITE Centers Corp.	29,183	397,764
Spirit Realty Capital, Inc.	28,029	1,224,587
Tanger, Inc.	15,651	433,846
The Macerich Company	33,421	515,686
Unibail-Rodamco-Westfield (A)	16,559	1,224,761
Urban Edge Properties	17,446	319,262
Vicinity, Ltd.	542,151	753,109
Whitestone REIT	7,484	91,978
		30,991,631
Specialized REITs – 0.8%		
American Tower Corp.	43,526	9,396,393
Crown Castle, Inc.	40,247	4,636,052
CubeSmart	44,595	2,066,978
Digital Realty Trust, Inc.	27,945	3,760,838
EPR Properties	14,939	723,795
Equinix, Inc.	8,751	7,047,968
Extra Space Storage, Inc.	19,311	3,096,133
Farmland Partners, Inc.	7,003	87,397
Four Corners Property Trust, Inc.	14,098	356,679
Gaming and Leisure Properties, Inc.	52,955	2,613,329
Gladstone Land Corp.	5,123	74,027
Iron Mountain, Inc.	27,723	1,940,056
Lamar Advertising Company, Class A	17,369	1,845,977
National Storage Affiliates Trust	15,323	635,445
Outfront Media, Inc.	22,759	317,716
PotlatchDeltic Corp.	27,975	1,373,573
Public Storage	14,640	4,465,200
Rayonier, Inc.	27,057	903,974
Safehold, Inc.	7,792	182,333
SBA Communications Corp.	9,849	2,498,593
Uniti Group, Inc.	37,081	214,328
VICI Properties, Inc.	96,269	3,069,056
Weyerhaeuser Company	69,415	2,413,560
		53,719,400
		214,394,261
Utilities – 2.7%		
Electric utilities – 1.5%		
Acciona SA	3,459	509,318
ALLETE, Inc.	20,365	1,245,523
Alliant Energy Corp.	24,006	1,231,508
American Electric Power Company, Inc.	48,937	3,974,663
BKW AG	2,959	526,309
Chubu Electric Power Company, Inc.	90,229	1,164,978
CK Infrastructure Holdings, Ltd.	88,343	488,907
CLP Holdings, Ltd.	230,334	1,903,045

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
Constellation Energy Corp.	29,598	\$ 3,459,710
Duke Energy Corp.	72,083	6,994,934
Edison International	36,408	2,602,808
EDP - Energias de Portugal SA	439,675	2,212,883
Elia Group SA/NV	4,121	515,846
Endesa SA	44,503	907,910
Enel SpA	1,139,578	8,478,241
Entergy Corp.	20,086	2,032,502
Evergy, Inc.	21,819	1,138,952
Eversource Energy	31,406	1,938,378
Exelon Corp.	91,837	3,296,948
FirstEnergy Corp.	49,015	1,796,890
Fortum OYJ	62,858	907,930
Genie Energy, Ltd., B Shares	3,123	87,850
Iberdrola SA	845,259	11,087,078
IDACORP, Inc.	10,038	986,936
Mercury NZ, Ltd.	97,467	406,548
MGE Energy, Inc.	5,792	418,820
NextEra Energy, Inc.	192,234	11,676,293
NRG Energy, Inc.	21,764	1,125,199
OGE Energy Corp.	39,721	1,387,455
Origin Energy, Ltd.	241,377	1,392,913
Orsted A/S (C)	26,505	1,469,346
Otter Tail Corp.	6,406	544,318
PG&E Corp.	198,648	3,581,623
Pinnacle West Capital Corp.	10,763	773,214
PNM Resources, Inc.	30,347	1,262,435
Portland General Electric Company	35,739	1,548,928
Power Assets Holdings, Ltd.	194,236	1,126,122
PPL Corp.	70,017	1,897,461
Redeia Corp. SA	56,859	936,958
SSE PLC	153,021	3,612,211
Terna - Rete Elettrica Nazionale	197,138	1,644,655
The Kansai Electric Power Company, Inc.	98,624	1,308,946
The Southern Company	102,078	7,157,709
Tokyo Electric Power Company Holdings, Inc. (A)	213,928	1,119,511
Verbund AG	9,540	884,086
Xcel Energy, Inc.	50,644	3,135,370
		107,900,168
Gas utilities – 0.2%		
APA Group	179,763	1,046,138
Atmos Energy Corp.	14,103	1,634,538
Brookfield Infrastructure Corp., Class A	18,535	653,915
Chesapeake Utilities Corp.	3,288	347,311
Enagas SA (B)	34,872	588,267
Hong Kong & China Gas Company, Ltd.	1,569,022	1,203,100
National Fuel Gas Company	18,210	913,596
Naturgy Energy Group SA	17,661	526,779
New Jersey Resources Corp.	34,289	1,528,604
Northwest Natural Holding Company	5,589	217,636
ONE Gas, Inc.	19,500	1,242,540
Osaka Gas Company, Ltd.	52,575	1,097,475
RGC Resources, Inc.	1,236	25,140
Snam SpA	282,540	1,453,644
Southwest Gas Holdings, Inc.	21,434	1,357,844
Spire, Inc.	18,326	1,142,443
Tokyo Gas Company, Ltd.	51,796	1,188,131
UGI Corp.	41,544	1,021,982
		17,189,083
Independent power and renewable electricity producers – 0.2%		
Altus Power, Inc. (A)	9,950	67,959
Corp ACCIONA Energias Renovables SA	9,226	286,339
EDP Renovaveis SA	43,040	881,085

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Independent power and renewable electricity producers (continued)		
Meridian Energy, Ltd.	181,239	\$ 634,645
Montauk Renewables, Inc. (A)	10,745	95,738
Ormat Technologies, Inc.	18,857	1,429,172
RWE AG	88,587	4,031,851
Sunnova Energy International, Inc. (A)(B)	16,533	252,128
The AES Corp.	63,609	1,224,473
Vistra Corp.	66,655	2,567,551
		11,470,941
Multi-utilities – 0.7%		
Ameren Corp.	23,598	1,707,079
Avista Corp.	11,791	421,410
Black Hills Corp.	23,712	1,279,262
CenterPoint Energy, Inc.	59,956	1,712,943
Centrica PLC	767,727	1,376,305
CMS Energy Corp.	27,711	1,609,178
Consolidated Edison, Inc.	32,765	2,980,632
Dominion Energy, Inc.	77,247	3,630,609
DTE Energy Company	18,608	2,051,718
E.ON SE	314,567	4,226,226
Engie SA	255,911	4,508,203
National Grid PLC	516,750	6,961,302
NiSource, Inc.	39,255	1,042,220
Northwestern Energy Group, Inc.	21,588	1,098,613
Public Service Enterprise Group, Inc.	45,696	2,794,310
Semcorp Industries, Ltd.	125,600	504,849
Sempra	58,331	4,359,076
Unitil Corp.	2,601	136,735
Veolia Environnement SA	95,223	3,009,681
WEC Energy Group, Inc.	28,691	2,414,921
		47,825,272
Water utilities – 0.1%		
American States Water Company	5,681	456,866
American Water Works Company, Inc.	18,492	2,440,759
Artesian Resources Corp., Class A	1,552	64,330
Cadiz, Inc. (A)	7,937	22,224
California Water Service Group	8,965	465,015
Consolidated Water Company, Ltd.	2,341	83,340
Essential Utilities, Inc.	49,840	1,861,524
Global Water Resources, Inc.	1,763	23,060
Middlesex Water Company	2,710	177,830
Pure Cycle Corp. (A)	4,085	42,770
Sewern Trent PLC	37,710	1,240,075
SJW Group	4,884	319,169
The York Water Company	2,212	85,427
United Utilities Group PLC	95,541	1,290,593
		8,572,982
		192,958,446
TOTAL COMMON STOCKS (Cost \$3,572,737,157)		\$ 6,885,870,151

PREFERRED SECURITIES – 0.1%

Consumer discretionary – 0.1%

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Automobiles – 0.1%		
Bayerische Motoren Werke AG	8,255	\$ 821,396
Dr. Ing. h.c. F. Porsche AG (C)	15,955	1,405,270
Porsche Automobil Holding SE	21,454	1,096,338
Volkswagen AG	28,892	3,561,119
		6,884,123
Consumer staples – 0.0%		
Household products – 0.0%		
Henkel AG & Company KGaA	23,714	1,907,602
Health care – 0.0%		
Life sciences tools and services – 0.0%		
Sartorius AG	3,672	1,348,435
TOTAL PREFERRED SECURITIES (Cost \$10,379,652)		\$ 10,140,160
WARRANTS – 0.0%		
Cassava Sciences, Inc. (Expiration Date: 11-15-24; Strike Price: \$33.00) (A)	2,618	17,638
Chord Energy Corp. (Expiration Date: 9-1-24; Strike Price: \$116.37) (A)	917	27,528
Chord Energy Corp. (Expiration Date: 9-1-25; Strike Price: \$133.70) (A)	458	9,504
Nabors Industries, Ltd. (Expiration Date: 6-11-26; Strike Price: \$166.67) (A)	480	5,040
TOTAL WARRANTS (Cost \$15,655)		\$ 59,710
SHORT-TERM INVESTMENTS – 4.0%		
Short-term funds – 4.0%		
John Hancock Collateral Trust, 5.3645% (E)(F)	28,873,045	288,736,220
TOTAL SHORT-TERM INVESTMENTS (Cost \$288,713,028)		\$ 288,736,220
Total Investments (Strategic Equity Allocation Trust) (Cost \$3,871,845,492) – 99.5%		
		\$ 7,184,806,241
Other assets and liabilities, net – 0.5%		
		34,642,145
TOTAL NET ASSETS – 100.0%		
		\$ 7,219,448,386

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 12-31-23.
(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)	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 12-31-23.
(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 \$27,038,825.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
MSCI EAFE Index Futures	762	Long	Mar 2024	\$82,413,968	\$85,816,440	\$3,402,472
Russell 2000 E-Mini Index Futures	162	Long	Mar 2024	16,756,401	16,586,370	(170,031)
S&P 500 E-Mini Index Futures	833	Long	Mar 2024	194,968,021	200,753,000	5,784,979

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

FUTURES (continued)

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P Mid 400 E-Mini Index Futures	74	Long	Mar 2024	\$20,698,271	\$20,790,300	\$92,029
						\$9,109,449

[^] 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.

Total Stock Market Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 94.6%		
Communication services – 7.7%		
Diversified telecommunication services – 0.6%		
Anterix, Inc. (A)	210	\$ 6,997
AST SpaceMobile, Inc. (A)(B)	945	5,698
AT&T, Inc.	109,745	1,841,521
ATN International, Inc.	291	11,340
Bandwidth, Inc., Class A (A)	431	6,237
Cogent Communications Holdings, Inc. Consolidated Communications Holdings, Inc. (A)	797	60,620
EchoStar Corp., Class A (A)	1,652	7,186
Frontier Communications Parent, Inc. (A)	675	11,185
GCI Liberty, Inc. (A)(C)	3,784	95,887
Globalstar, Inc. (A)	2,206	0
IDT Corp., Class B (A)	30,257	58,699
Iridium Communications, Inc.	461	15,715
Liberty Latin America, Ltd., Class C (A)	2,109	86,806
Lumen Technologies, Inc. (A)	2,046	15,018
Ooma, Inc. (A)	17,158	31,399
Shenandoah Telecommunications Company	477	5,118
Verizon Communications, Inc.	901	19,480
	64,782	2,442,281
		4,721,187
Entertainment – 1.1%		
AMC Entertainment Holdings, Inc., Class A (A)(B)	2,662	16,291
Atlanta Braves Holdings, Inc., Series A (A)	829	35,465
Atlanta Braves Holdings, Inc., Series C (A)	99	3,918
Cinemark Holdings, Inc. (A)	2,030	28,603
Electronic Arts, Inc.	4,150	567,762
Endeavor Group Holdings, Inc., Class A	4,725	112,124
Kartoon Studios, Inc. (A)	345	480
Liberty Media Corp.-Liberty Formula One, Series A (A)	225	13,046
Liberty Media Corp.-Liberty Formula One, Series C (A)	3,224	203,531
Liberty Media Corp.-Liberty Live, Series A (A)	676	24,708
Liberty Media Corp.-Liberty Live, Series C (A)	769	28,753
Lions Gate Entertainment Corp., Class B (A)	4,105	41,830
Live Nation Entertainment, Inc. (A)	3,476	325,354
Madison Square Garden Entertainment Corp. (A)	478	15,196
Madison Square Garden Sports Corp. (A)	298	54,185
Netflix, Inc. (A)	6,828	3,324,417
Playtika Holding Corp. (A)	5,937	51,771
Reservoir Media, Inc. (A)	795	5,668
ROBLOX Corp., Class A (A)	8,964	409,834
Roku, Inc. (A)	2,009	184,145
Skillz, Inc. (A)	341	2,128
Sphere Entertainment Company (A)	478	16,233

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Entertainment (continued)		
Take-Two Interactive Software, Inc. (A)	2,575	\$ 414,446
The Marcus Corp.	486	7,086
The Walt Disney Company	28,082	2,535,524
TKO Group Holdings, Inc.	715	58,330
Vivid Seats, Inc., Class A (A)	1,470	9,290
Warner Brothers Discovery, Inc. (A)	39,487	449,362
Warner Music Group Corp., Class A	2,260	80,885
		9,020,365
Interactive media and services – 4.9%		
Alphabet, Inc., Class A (A)	91,603	12,796,023
Alphabet, Inc., Class C (A)	89,964	12,678,627
Angi, Inc. (A)	1,822	4,537
Bumble, Inc., Class A (A)	2,062	30,394
CarGurus, Inc. (A)	1,735	41,918
Cars.com, Inc. (A)	1,154	21,891
DHI Group, Inc. (A)	372	963
Eventbrite, Inc., Class A (A)	1,461	12,214
EverQuote, Inc., Class A (A)	481	5,887
FuboTV, Inc. (A)	2,869	9,123
Getty Images Holdings, Inc. (A)	3,926	20,612
IAC, Inc. (A)	1,394	73,018
Match Group, Inc. (A)	4,568	166,732
MediaAlpha, Inc., Class A (A)	781	8,708
Meta Platforms, Inc., Class A (A)	34,369	12,165,251
Nextdoor Holdings, Inc. (A)	3,090	5,840
Outbrain, Inc. (A)	626	2,742
Pinterest, Inc., Class A (A)	9,566	354,325
QuinStreet, Inc. (A)	983	12,602
Rumble, Inc. (A)(B)	1,042	4,679
Shutterstock, Inc.	615	29,692
Snap, Inc., Class A (A)	21,793	368,955
System1, Inc. (A)	1,379	3,061
Taboola.com, Ltd. (A)	2,178	9,431
The Arena Group Holdings, Inc. (A)	200	476
TripAdvisor, Inc. (A)	2,094	45,084
TrueCar, Inc. (A)	1,900	6,574
Vimeo, Inc. (A)	2,863	11,223
Yelp, Inc. (A)	1,157	54,772
Ziff Davis, Inc. (A)	750	50,393
ZipRecruiter, Inc., Class A (A)	1,452	20,183
ZoomInfo Technologies, Inc. (A)	6,609	122,200
		39,138,130
Media – 0.7%		
AdTheorent Holding Company, Inc. (A)	842	1,221
Advantage Solutions, Inc. (A)	4,745	17,177
Altice USA, Inc., Class A (A)	4,140	13,455
AMC Networks, Inc., Class A (A)	302	5,675
Boston Omaha Corp., Class A (A)	528	8,305
Cable One, Inc.	97	53,989
Cardlytics, Inc. (A)	559	5,148
Charter Communications, Inc., Class A (A)	2,294	891,632

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
Clear Channel Outdoor Holdings, Inc. (A)	8,831	\$ 16,072
Comcast Corp., Class A	63,541	2,786,273
DISH Network Corp., Class A (A)	4,903	28,290
Emerald Holding, Inc. (A)	1,284	7,678
Entravision Communications Corp., Class A	1,260	5,254
Fox Corp., Class A	3,313	98,297
Fox Corp., Class B	3,863	106,812
Gannett Company, Inc. (A)	2,798	6,435
Gray Television, Inc.	1,517	13,592
iHeartMedia, Inc., Class A (A)	2,155	5,754
Innovid Corp. (A)	1,897	2,846
John Wiley & Sons, Inc., Class A	781	24,789
Liberty Broadband Corp., Series C (A)	289	23,291
Liberty Media Corp.-Liberty SiriusXM, Series A (A)	2,669	76,707
Liberty Media Corp.-Liberty SiriusXM, Series C (A)	2,528	72,756
Magnite, Inc. (A)	2,159	20,165
National CineMedia, Inc. (A)	3,119	12,913
News Corp., Class A	8,727	214,248
News Corp., Class B	337	8,668
Nexstar Media Group, Inc.	595	93,266
Omnicom Group, Inc.	2,943	254,599
Paramount Global, Class B	9,956	147,249
PubMatic, Inc., Class A (A)	758	12,363
Saga Communications, Inc., Class A	175	3,896
Scholastic Corp.	561	21,150
Sinclair, Inc.	834	10,867
Stagwell, Inc. (A)	1,894	12,557
TechTarget, Inc. (A)	503	17,535
TEGNA, Inc.	3,693	56,503
The EW Scripps Company, Class A (A)	1,348	10,771
The Interpublic Group of Companies, Inc.	6,249	203,967
The New York Times Company, Class A	2,669	130,754
The Trade Desk, Inc., Class A (A)	6,820	490,767
Tremor International, Ltd. (A)	81	210
Urban One, Inc., Class A (A)	45	181
Urban One, Inc., Class D (A)	346	1,221
WideOpenWest, Inc. (A)	1,455	5,893
		6,001,191
Wireless telecommunication services – 0.4%		
FingerMotion, Inc. (A)(B)	2,380	9,568
Gogo, Inc. (A)	2,008	20,341
Spok Holdings, Inc.	444	6,873
Telephone & Data Systems, Inc.	1,870	34,315
T-Mobile US, Inc.	18,230	2,922,816
United States Cellular Corp. (A)	961	39,920
		3,033,833
		61,914,706
Consumer discretionary – 10.6%		
Automobile components – 0.1%		
Adient PLC (A)	1,550	56,358
American Axle & Manufacturing Holdings, Inc. (A)	1,974	17,391
Autoliv, Inc.	1,369	150,850
BorgWarner, Inc.	3,802	136,302
Cooper-Standard Holdings, Inc. (A)	174	3,400
Dana, Inc.	2,445	35,721
Dorman Products, Inc. (A)	498	41,538
Fox Factory Holding Corp. (A)	717	48,383
Gentex Corp.	3,681	120,221
Gentherm, Inc. (A)	576	30,159
Holley, Inc. (A)	1,608	7,831

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobile components (continued)		
LCI Industries	430	\$ 54,055
Lear Corp.	957	135,138
Luminar Technologies, Inc. (A)(B)	4,169	14,050
Modine Manufacturing Company (A)	919	54,864
Motorcar Parts of America, Inc. (A)	447	4,175
Patrick Industries, Inc.	414	41,545
PHINIA, Inc.	760	23,020
QuantumScape Corp. (A)	5,966	41,464
Solid Power, Inc. (A)	2,413	3,499
Standard Motor Products, Inc.	404	16,083
Stoneridge, Inc. (A)	529	10,353
Superior Industries International, Inc. (A)	282	902
The Goodyear Tire & Rubber Company (A)	4,720	67,590
Visteon Corp. (A)	475	59,328
XPEL, Inc. (A)	221	11,901
		1,186,121
Automobiles – 1.8%		
Fisker, Inc. (A)(B)	2,697	4,720
Ford Motor Company	60,493	737,410
General Motors Company	20,796	746,992
Harley-Davidson, Inc.	2,375	87,495
Lucid Group, Inc. (A)(B)	31,609	133,074
Rivian Automotive, Inc., Class A (A)	14,933	350,328
Tesla, Inc. (A)	49,069	12,192,665
Thor Industries, Inc.	904	106,898
Winnebago Industries, Inc.	534	38,918
		14,398,500
Broadline retail – 3.2%		
Istdibs.com, Inc. (A)	442	2,069
Amazon.com, Inc. (A)	158,698	24,112,574
Big Lots, Inc.	557	4,339
CarParts.com, Inc. (A)	778	2,458
ContextLogic, Inc., Class A (A)	373	2,219
Coupage, Inc. (A)	24,773	401,075
Dillard's, Inc., Class A (B)	217	87,592
eBay, Inc.	8,160	355,939
Etsy, Inc. (A)	2,055	166,558
Groupon, Inc. (A)(B)	572	7,344
Kohl's Corp.	1,853	53,144
Macy's, Inc.	4,338	87,281
Nordstrom, Inc. (B)	2,651	48,911
Ollie's Bargain Outlet Holdings, Inc. (A)	1,038	78,774
		25,410,277
Distributors – 0.1%		
Genuine Parts Company	2,160	299,160
LKQ Corp.	3,395	162,247
Pool Corp.	585	233,245
Weyco Group, Inc.	249	7,809
		702,461
Diversified consumer services – 0.1%		
2U, Inc. (A)	1,345	1,654
ADT, Inc.	13,826	94,293
Adtalem Global Education, Inc. (A)	775	45,686
American Public Education, Inc. (A)	372	3,590
Bright Horizons Family Solutions, Inc. (A)	971	91,507
Carrriage Services, Inc.	281	7,028
Chegg, Inc. (A)	2,095	23,799
Coursera, Inc. (A)	2,210	42,808
Duolingo, Inc. (A)	513	116,374
European Wax Center, Inc., Class A (A)	852	11,579
frontdoor, Inc. (A)	1,431	50,400
Graham Holdings Company, Class B	37	25,771
Grand Canyon Education, Inc. (A)	512	67,604

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified consumer services (continued)		
H&R Block, Inc.	2,149	\$ 103,947
ITT Educational Services, Inc. (A)(C)	608	0
Laureate Education, Inc.	2,848	39,046
Lincoln Educational Services Corp. (A)	91	914
Mister Car Wash, Inc. (A)	4,692	40,539
Nerdy, Inc. (A)	1,961	6,726
Perdoceo Education Corp.	1,215	21,335
Rover Group, Inc. (A)	2,832	30,812
Service Corp. International	2,466	168,798
Strategic Education, Inc.	434	40,089
Stride, Inc. (A)	726	43,103
Udemy, Inc. (A)	2,213	32,597
Universal Technical Institute, Inc. (A)	177	2,216
Wag! Group Company (A)	510	903
WW International, Inc. (A)	1,278	11,183
		1,124,301
Hotels, restaurants and leisure – 2.2%		
Accel Entertainment, Inc. (A)	1,215	12,478
Airbnb, Inc., Class A (A)	6,559	892,942
Ambassadors Group, Inc. (A)(C)	714	29
Aramark	4,256	119,594
Bally's Corp. (A)	742	10,343
Biglari Holdings, Inc., Class B (A)	52	8,576
BJ's Restaurants, Inc. (A)	418	15,052
Bloomin' Brands, Inc.	1,512	42,563
Bluegreen Vacations Holding Corp.	136	10,216
Booking Holdings, Inc. (A)	550	1,950,971
Bowlero Corp., Class A (A)(B)	1,682	23,817
Boyd Gaming Corp.	964	60,356
Brinker International, Inc. (A)	737	31,824
Caesars Entertainment, Inc. (A)	3,551	166,471
Carnival Corp. (A)	17,793	329,882
Carrols Restaurant Group, Inc.	1,021	8,045
Century Casinos, Inc. (A)	342	1,669
Chipotle Mexican Grill, Inc. (A)	423	967,384
Choice Hotels International, Inc.	840	95,172
Churchill Downs, Inc.	1,214	163,805
Chuy's Holdings, Inc. (A)	382	14,604
Cracker Barrel Old Country Store, Inc.	380	29,290
Darden Restaurants, Inc.	1,770	290,811
Dave & Buster's Entertainment, Inc. (A)	706	38,018
Denny's Corp. (A)	1,094	11,903
Dine Brands Global, Inc.	262	13,008
Domino's Pizza, Inc.	518	213,535
DoorDash, Inc., Class A (A)	5,866	580,089
DraftKings, Inc., Class A (A)	7,440	262,260
Dutch Bros, Inc., Class A (A)	796	25,209
El Pollo Loco Holdings, Inc. (A)	773	6,818
Empire Resorts, Inc. (A)(C)	878	0
Everi Holdings, Inc. (A)	1,572	17,716
Expedia Group, Inc. (A)	2,082	316,027
FAT Brands, Inc., Class A	116	703
First Watch Restaurant Group, Inc. (A)	609	12,241
Full House Resorts, Inc. (A)	336	1,804
Global Business Travel Group I (A)	3,324	21,440
Golden Entertainment, Inc.	521	20,804
Hilton Grand Vacations, Inc. (A)	1,856	74,574
Hilton Worldwide Holdings, Inc.	3,962	721,441
Hyatt Hotels Corp., Class A	816	106,415
Inspired Entertainment, Inc. (A)	269	2,658
Jack in the Box, Inc.	352	28,734
Krispy Kreme, Inc. (B)	2,475	37,348
Kura Sushi USA, Inc., Class A (A)	125	9,500
Las Vegas Sands Corp.	11,717	576,594
Life Time Group Holdings, Inc. (A)	3,017	45,496

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Light & Wonder, Inc. (A)	1,534	\$ 125,957
Lindblad Expeditions Holdings, Inc. (A)	506	5,703
Marriott International, Inc., Class A	4,580	1,032,836
Marriott Vacations Worldwide Corp.	622	52,802
McDonald's Corp.	11,220	3,326,842
MGM Resorts International (A)	5,036	225,008
Monarch Casino & Resort, Inc.	351	24,272
Mondee Holdings, Inc. (A)(B)	3,538	9,765
Nathan's Famous, Inc.	78	6,085
Noodles & Company (A)	1,045	3,292
Norwegian Cruise Line Holdings, Ltd. (A)	6,764	135,551
Papa John's International, Inc.	597	45,509
Penn Entertainment, Inc. (A)	2,550	66,351
Planet Fitness, Inc., Class A (A)	1,387	101,251
PlayAGS, Inc. (A)	767	6,466
Portillo's, Inc., Class A (A)	596	9,494
Potbelly Corp. (A)	141	1,469
RCI Hospitality Holdings, Inc.	169	11,198
Red Robin Gourmet Burgers, Inc. (A)	308	3,841
Red Rock Resorts, Inc., Class A	982	52,370
Restaurant Brands International LP	82	6,376
Royal Caribbean Cruises, Ltd. (A)	4,147	536,995
Rush Street Interactive, Inc. (A)	765	3,435
Sabre Corp. (A)	5,497	24,187
SeaWorld Entertainment, Inc. (A)	1,089	57,532
Shake Shack, Inc., Class A (A)	668	49,512
Six Flags Entertainment Corp. (A)	1,249	31,325
Soho House & Company, Inc. (A)	1,226	8,729
Sonder Holdings, Inc. (A)	163	553
Starbucks Corp.	17,695	1,698,897
Sweetgreen, Inc., Class A (A)	1,470	16,611
Target Hospitality Corp. (A)	1,561	15,189
Texas Roadhouse, Inc.	889	108,662
The Cheesecake Factory, Inc.	892	31,229
The Wendy's Company	3,468	67,557
Travel + Leisure Company	1,360	53,162
Vail Resorts, Inc.	619	132,138
Wingstop, Inc.	496	127,264
Wyndham Hotels & Resorts, Inc.	1,045	84,028
Wynn Resorts, Ltd.	1,832	166,914
Xponential Fitness, Inc., Class A (A)	491	6,329
Yum! Brands, Inc.	4,122	538,581
		17,401,496
Household durables – 0.5%		
Bassett Furniture Industries, Inc.	199	3,303
Beazer Homes USA, Inc. (A)	198	6,690
Cavco Industries, Inc. (A)	155	53,726
Century Communities, Inc.	552	50,309
Cricut, Inc., Class A (B)	754	4,969
D.R. Horton, Inc.	5,541	842,121
Dream Finders Homes, Inc., Class A (A)	686	24,374
Ethan Allen Interiors, Inc.	426	13,598
Flexsteel Industries, Inc.	139	2,620
GoPro, Inc., Class A (A)	2,431	8,436
Green Brick Partners, Inc. (A)	849	44,097
Hamilton Beach Brands Holding Company, Class A	205	3,585
Hamilton Beach Brands Holding Company, Class B	241	4,215
Helen of Troy, Ltd. (A)	381	46,029
Hooker Furnishings Corp.	257	6,703
Hovnanian Enterprises, Inc., Class A (A)	113	17,585
Installed Building Products, Inc.	498	91,044
iRobot Corp. (A)	455	17,609
KB Home	1,321	82,510

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Landsea Homes Corp. (A)	283	\$ 3,719
La-Z-Boy, Inc.	740	27,321
Legacy Housing Corp. (A)	491	12,383
Leggett & Platt, Inc.	2,014	52,706
Lennar Corp., A Shares	3,805	567,097
LGI Homes, Inc. (A)	335	44,609
Lifetime Brands, Inc.	75	503
M/I Homes, Inc. (A)	450	61,983
MDC Holdings, Inc.	1,048	57,902
Meritage Homes Corp.	524	91,281
Mohawk Industries, Inc. (A)	1,003	103,811
Newell Brands, Inc.	6,705	58,199
NVR, Inc. (A)	50	350,023
PulteGroup, Inc.	3,348	345,581
Purple Innovation, Inc.	1,379	1,420
Skyline Champion Corp. (A)	968	71,884
Snap One Holdings Corp. (A)	1,112	9,908
Sonos, Inc. (A)	2,137	36,628
Taylor Morrison Home Corp. (A)	1,200	64,020
Tempur Sealy International, Inc.	2,179	111,064
The Lovesac Company (A)	280	7,154
Toll Brothers, Inc.	1,492	153,363
TopBuild Corp. (A)	477	178,522
Traeger, Inc. (A)	1,820	4,969
Tri Pointe Homes, Inc. (A)	1,388	49,135
Tupperware Brands Corp. (A)(B)	610	1,220
Universal Electronics, Inc. (A)	236	2,216
Vizio Holding Corp., Class A (A)	2,005	15,439
VOXX International Corp. (A)	506	5,404
Whirlpool Corp.	854	103,992
Worthington Enterprises, Inc.	793	45,637
		3,962,616
Leisure products – 0.1%		
Acushnet Holdings Corp.	1,122	70,877
American Outdoor Brands, Inc. (A)	307	2,579
AMMO, Inc. (A)	827	1,737
Brunswick Corp.	979	94,718
Clarus Corp.	526	3,627
Escalade, Inc.	328	6,590
Funko, Inc., Class A (A)	708	5,473
Hasbro, Inc.	2,239	114,323
JAKKS Pacific, Inc. (A)	88	3,128
Johnson Outdoors, Inc., Class A	178	9,509
Latham Group, Inc. (A)	1,783	4,689
Malibu Boats, Inc., Class A (A)	367	20,119
Marine Products Corp.	742	8,459
MasterCraft Boat Holdings, Inc. (A)	348	7,879
Mattel, Inc. (A)	5,818	109,844
Peloton Interactive, Inc., Class A (A)	5,138	31,290
Polaris, Inc.	801	75,911
Smith & Wesson Brands, Inc.	903	12,245
Solo Brands, Inc., Class A (A)	328	2,020
Sturm Ruger & Company, Inc.	325	14,771
Topgolf Callaway Brands Corp. (A)	3,017	43,264
Vista Outdoor, Inc. (A)	935	27,648
YETI Holdings, Inc. (A)	1,434	74,253
		744,953
Specialty retail – 2.0%		
1-800-Flowers.com, Inc., Class A (A)	562	6,058
Abercrombie & Fitch Company, Class A (A)	826	72,870
Academy Sports & Outdoors, Inc.	1,278	84,348
Advance Auto Parts, Inc.	952	58,101
American Eagle Outfitters, Inc.	3,071	64,982
America's Car-Mart, Inc. (A)	117	8,865

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Arhaus, Inc. (A)	962	\$ 11,400
Arko Corp.	1,443	11,905
Asbury Automotive Group, Inc. (A)	359	80,764
AutoNation, Inc. (A)	634	95,214
AutoZone, Inc. (A)	278	718,800
BARK, Inc. (A)	2,469	1,989
Bath & Body Works, Inc.	3,695	159,476
Best Buy Company, Inc.	3,193	249,948
Beyond, Inc. (A)	765	21,183
Big 5 Sporting Goods Corp.	321	2,035
Boot Barn Holdings, Inc. (A)	502	38,534
Brilliant Earth Group, Inc., Class A (A)	312	1,161
Build-A-Bear Workshop, Inc.	196	4,506
Burlington Stores, Inc. (A)	1,056	205,371
Caleres, Inc.	490	15,058
Camping World Holdings, Inc., Class A	715	18,776
CarMax, Inc. (A)	2,560	196,454
Carvana Company (A)(B)	1,910	101,115
Chewy, Inc., Class A (A)	1,840	43,479
Chico's FAS, Inc. (A)	1,633	12,378
Citi Trends, Inc. (A)	79	2,234
Conn's, Inc. (A)	510	2,264
Designer Brands, Inc., Class A	872	7,717
Destination XL Group, Inc. (A)	773	3,401
Dick's Sporting Goods, Inc.	915	134,459
Duluth Holdings, Inc., Class B (A)	700	3,766
Envela Corp. (A)	145	705
EVgo, Inc. (A)(B)	1,443	5,166
Express, Inc. (A)	10	84
Five Below, Inc. (A)	909	193,762
Floor & Decor Holdings, Inc., Class A (A)	1,746	194,784
Foot Locker, Inc.	1,502	46,787
GameStop Corp., Class A (A)(B)	5,020	88,001
Genesco, Inc. (A)	197	6,936
Group 1 Automotive, Inc.	231	70,395
GrowGeneration Corp. (A)	1,030	2,585
Guess?, Inc.	938	21,630
Haverty Furniture Companies, Inc.	273	9,692
Hibbett, Inc.	222	15,988
Jjill, Inc. (A)	62	1,598
Kirkland's, Inc. (A)	147	444
Lands' End, Inc. (A)	492	4,704
Lazydays Holdings, Inc. (A)	42	296
Leslie's, Inc. (A)	3,057	21,124
Lithia Motors, Inc.	445	146,530
LL Flooring Holdings, Inc. (A)	631	2,461
Lowe's Companies, Inc.	8,894	1,979,360
MarineMax, Inc. (A)	219	8,519
Monro, Inc.	568	16,665
Murphy USA, Inc.	354	126,222
National Vision Holdings, Inc. (A)	1,319	27,607
Newegg Commerce, Inc. (A)	4,426	5,577
OneWater Marine, Inc., Class A (A)	187	6,319
O'Reilly Automotive, Inc. (A)	920	874,074
Penske Automotive Group, Inc.	1,104	177,203
Petco Health & Wellness Company, Inc. (A)	3,669	11,594
PetMed Express, Inc.	391	2,956
Revolve Group, Inc. (A)	697	11,556
RH (A)	379	110,471
Ross Stores, Inc.	5,202	719,905
RumbleON, Inc., Class B (A)	228	1,856
Sally Beauty Holdings, Inc. (A)	1,774	23,559
Shoe Carnival, Inc.	500	15,105
Signet Jewelers, Ltd.	762	81,732

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Sleep Number Corp. (A)	378	\$ 5,606
Sonic Automotive, Inc., Class A	415	23,327
Sportsman's Warehouse Holdings, Inc. (A)	611	2,603
Stitch Fix, Inc., Class A (A)	1,692	6,040
The Aaron's Company, Inc.	635	6,909
The Buckle, Inc.	804	38,206
The Cato Corp., Class A	469	3,349
The Children's Place, Inc. (A)	154	3,576
The Container Store Group, Inc. (A)	529	1,206
The Gap, Inc.	6,031	126,108
The Home Depot, Inc.	15,471	5,361,475
The ODP Corp. (A)	730	41,099
The RealReal, Inc. (A)	2,001	4,022
The TJX Companies, Inc.	17,008	1,595,520
ThredUp, Inc., Class A (A)	1,553	3,494
Tilly's, Inc., Class A (A)	296	2,232
Torrid Holdings, Inc. (A)	1,663	9,596
Tractor Supply Company	1,639	352,434
Ulta Beauty, Inc. (A)	739	362,103
Upbound Group, Inc.	1,004	34,106
Urban Outfitters, Inc. (A)	1,562	55,748
Valvoline, Inc. (A)	1,930	72,529
Victoria's Secret & Company (A)	1,346	35,723
Warby Parker, Inc., Class A (A)	1,619	22,828
Wayfair, Inc., Class A (A)	1,337	82,493
Williams-Sonoma, Inc.	938	189,270
Winmark Corp.	60	25,053
Zumiez, Inc. (A)	371	7,546
		15,946,764
Textiles, apparel and luxury goods – 0.5%		
Carter's, Inc.	579	43,361
Columbia Sportswear Company	928	73,813
Crocs, Inc. (A)	1,018	95,091
Deckers Outdoor Corp. (A)	396	264,698
Figs, Inc., Class A (A)(B)	2,697	18,744
Fossil Group, Inc. (A)	1,102	1,609
G-III Apparel Group, Ltd. (A)	474	16,107
Hanesbrands, Inc. (A)	5,901	26,318
Kontoor Brands, Inc.	901	56,240
Levi Strauss & Company, Class A	1,731	28,631
Lululemon Athletica, Inc. (A)	1,865	953,556
Movado Group, Inc.	291	8,774
NIKE, Inc., Class B	18,925	2,054,687
Oxford Industries, Inc.	276	27,600
PVH Corp.	1,028	125,539
Ralph Lauren Corp.	510	73,542
Rocky Brands, Inc.	87	2,626
Skechers USA, Inc., Class A (A)	2,182	136,026
Steven Madden, Ltd.	1,321	55,482
Superior Group of Companies, Inc.	407	5,495
Tapestry, Inc.	3,135	115,399
Under Armour, Inc., Class A (A)	6,449	56,687
Unifi, Inc. (A)	438	2,917
Vera Bradley, Inc. (A)	673	5,182
VF Corp.	6,247	117,444
Wolverine World Wide, Inc.	1,104	9,815
		4,375,383
		85,252,872
Consumer staples – 5.8%		
Beverages – 1.4%		
Brown-Forman Corp., Class B	4,988	284,815
Celsius Holdings, Inc. (A)	3,759	204,941
Coca-Cola Consolidated, Inc.	139	129,048
Constellation Brands, Inc., Class A	2,781	672,307

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages (continued)		
Keurig Dr. Pepper, Inc.	21,508	\$ 716,647
MGP Ingredients, Inc.	345	33,989
Molson Coors Beverage Company, Class B	3,177	194,464
Monster Beverage Corp. (A)	16,096	927,291
National Beverage Corp. (A)	1,557	77,414
PepsiCo, Inc.	21,050	3,575,132
The Boston Beer Company, Inc., Class A (A)	170	58,750
The Coca-Cola Company	67,562	3,981,429
The Duckhorn Portfolio, Inc. (A)	1,652	16,272
The Vita Coco Company, Inc. (A)	814	20,879
Zevia PBC, Class A (A)	777	1,562
		10,894,940
Consumer staples distribution and retail – 1.9%		
Albertsons Companies, Inc., Class A	8,427	193,821
BJ's Wholesale Club Holdings, Inc. (A)	1,949	129,920
Casey's General Stores, Inc.	592	162,646
Costco Wholesale Corp.	6,857	4,526,169
Dollar General Corp.	3,603	489,828
Dollar Tree, Inc. (A)	3,299	468,623
Grocery Outlet Holding Corp. (A)	1,615	43,540
HF Foods Group, Inc. (A)	1,021	5,452
Ingles Markets, Inc., Class A	254	21,938
Natural Grocers by Vitamin Cottage, Inc.	475	7,600
Performance Food Group Company (A)	2,568	177,577
PriceSmart, Inc.	525	39,785
SpartanNash Company	638	14,642
Sprouts Farmers Market, Inc. (A)	1,774	85,347
Sysco Corp.	7,629	557,909
Target Corp.	7,009	998,222
The Andersons, Inc.	652	37,516
The Chefs' Warehouse, Inc. (A)	665	19,571
The Kroger Company	11,000	502,810
U.S. Foods Holding Corp. (A)	3,724	169,107
United Natural Foods, Inc. (A)	984	15,970
Village Super Market, Inc., Class A	305	8,000
Walgreens Boots Alliance, Inc.	13,861	361,911
Walmart, Inc.	41,760	6,583,464
Weis Markets, Inc.	464	29,677
		15,651,045
Food products – 0.9%		
Alico, Inc.	182	5,293
Archer-Daniels-Midland Company	8,224	593,937
B&G Foods, Inc. (B)	1,224	12,852
Beyond Meat, Inc. (A)(B)	1,108	9,861
BRC, Inc., Class A (A)(B)	641	2,327
Bunge Global SA	2,282	230,368
Calavo Growers, Inc.	340	9,999
Cal-Maine Foods, Inc.	745	42,756
Campbell Soup Company	4,829	208,758
Conagra Brands, Inc.	7,727	221,456
Darling Ingredients, Inc. (A)	2,635	131,328
Dole PLC	122	1,499
Farmer Brothers Company (A)	62	190
Flowers Foods, Inc.	3,522	79,280
Fresh Del Monte Produce, Inc.	851	22,339
Freshpet, Inc. (A)	763	66,198
General Mills, Inc.	8,807	573,688
Hormel Foods Corp.	8,848	284,109
Ingredion, Inc.	1,094	118,732
J&J Snack Foods Corp.	325	54,321
John B Sanfilippo & Son, Inc.	166	17,105
Kellanova	5,442	304,262
Lamb Weston Holdings, Inc.	2,349	253,903
Lancaster Colony Corp.	432	71,880

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
Lifecore Biomedical, Inc. (A)	729	\$ 4,513
Lifeway Foods, Inc. (A)	47	630
Limoneira Company	387	7,984
McCormick & Company, Inc.	4,065	278,127
Mission Produce, Inc. (A)	855	8,627
Mondelez International, Inc., Class A	20,885	1,512,701
Pilgrim's Pride Corp. (A)	3,970	109,810
Post Holdings, Inc. (A)	974	85,770
Seaboard Corp.	15	53,552
Seneca Foods Corp., Class A (A)	139	7,289
Sovos Brands, Inc. (A)	1,396	30,754
The Hain Celestial Group, Inc. (A)	1,558	17,060
The Hershey Company	2,248	419,117
The J.M. Smucker Company	1,691	213,709
The Kraft Heinz Company	18,591	687,495
The Simply Good Foods Company (A)	1,663	65,855
Tootsie Roll Industries, Inc.	734	24,398
TreeHouse Foods, Inc. (A)	936	38,797
Tyson Foods, Inc., Class A	4,597	247,089
Utz Brands, Inc.	572	9,289
Vital Farms, Inc. (A)	532	8,347
WK Kellogg Company	1,360	17,870
		<u>7,165,224</u>
Household products – 1.0%		
Central Garden & Pet Company, Class A (A)	921	40,561
Church & Dwight Company, Inc.	3,734	353,087
Colgate-Palmolive Company	12,350	984,419
Energizer Holdings, Inc.	1,190	37,699
Kimberly-Clark Corp.	5,182	629,665
Oil-Dri Corp. of America	119	7,983
Reynolds Consumer Products, Inc.	3,053	81,943
Spectrum Brands Holdings, Inc.	679	54,164
The Clorox Company	1,824	260,084
The Procter & Gamble Company	36,748	5,385,052
WD-40 Company	231	55,225
		<u>7,889,882</u>
Personal care products – 0.2%		
BellRing Brands, Inc. (A)	2,087	115,682
Coty, Inc., Class A (A)	13,695	170,092
e.l.f. Beauty, Inc. (A)	873	126,009
Edgewell Personal Care Company	876	32,088
Herbalife, Ltd. (A)	1,740	26,552
Inter Parfums, Inc.	538	77,477
Kenvue, Inc.	29,115	626,846
Medifast, Inc.	188	12,637
Nature's Sunshine Products, Inc. (A)	585	10,115
Nu Skin Enterprises, Inc., Class A	854	16,585
Olaplex Holdings, Inc. (A)	10,758	27,325
The Beauty Health Company (A)	2,356	7,327
The Estee Lauder Companies, Inc., Class A	3,481	509,096
The Honest Company, Inc. (A)	1,180	3,894
Upexi, Inc. (A)	65	75
USANA Health Sciences, Inc. (A)	350	18,760
Waldencast PLC, Class A (A)	1,455	15,918
		<u>1,796,478</u>
Tobacco – 0.4%		
Altria Group, Inc.	26,827	1,082,201
Philip Morris International, Inc.	24,119	2,269,116
Turning Point Brands, Inc.	333	8,765
Universal Corp.	426	28,678

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Tobacco (continued)		
Vector Group, Ltd.	2,598	\$ 29,305
		<u>3,418,065</u>
		<u>46,815,634</u>
Energy – 3.7%		
Energy equipment and services – 0.4%		
Archrock, Inc.	2,767	42,612
Baker Hughes Company	15,617	533,789
Bristow Group, Inc. (A)	346	9,781
Cactus, Inc., Class A	1,047	47,534
ChampionX Corp.	3,261	95,254
Diamond Offshore Drilling, Inc. (A)	64	832
DMC Global, Inc. (A)	314	5,909
Dril-Quip, Inc. (A)	654	15,219
Expro Group Holdings NV (A)	790	12,577
Forum Energy Technologies, Inc. (A)	38	842
Halliburton Company	14,705	531,586
Helix Energy Solutions Group, Inc. (A)	2,742	28,188
Helmerich & Payne, Inc.	1,763	63,856
KLX Energy Services Holdings, Inc. (A)	158	1,779
Liberty Energy, Inc.	2,877	52,189
Mammoth Energy Services, Inc. (A)	729	3,251
Nabors Industries, Ltd. (A)	160	13,061
National Energy Services Reunited Corp. (A)	1,511	9,217
Newpark Resources, Inc. (A)	1,689	11,215
Nine Energy Service, Inc. (A)	508	1,361
NOV, Inc.	6,541	132,651
Oceaneering International, Inc. (A)	1,715	36,495
Oil States International, Inc. (A)	1,266	8,596
Patterson-UTI Energy, Inc.	6,786	73,289
ProFrac Holding Corp., Class A (A)	530	4,494
ProPetro Holding Corp. (A)	1,461	12,243
Ranger Energy Services, Inc.	169	1,729
RPC, Inc.	3,715	27,045
Schlumberger, Ltd.	21,975	1,143,579
SEACOR Marine Holdings, Inc. (A)	332	4,180
Select Water Solutions, Inc.	1,836	13,935
Smart Sand, Inc. (A)	446	861
Solaris Oilfield Infrastructure, Inc., Class A	160	1,274
TETRA Technologies, Inc. (A)	1,684	7,612
Tidewater, Inc. (A)	804	57,976
U.S. Silica Holdings, Inc. (A)	426	4,818
USA Compression Partners LP	534	12,191
Valaris, Ltd. (A)	188	12,891
Weatherford International PLC (A)	1,152	112,700
		<u>3,148,611</u>
Oil, gas and consumable fuels – 3.3%		
Aemetis, Inc. (A)	638	3,343
Amplify Energy Corp. (A)	487	2,888
Antero Midstream Corp.	7,998	100,215
Antero Resources Corp. (A)	4,972	112,765
APA Corp.	5,127	183,957
Baytex Energy Corp.	2,142	7,111
BP Prudhoe Bay Royalty Trust	205	506
California Resources Corp.	1,147	62,718
Callon Petroleum Company (A)	964	31,234
Calumet Specialty Products Partners LP (A)	243	4,342
Centrus Energy Corp., Class A (A)	203	11,045
Cheniere Energy, Inc.	3,830	653,819
Chesapeake Energy Corp.	1,709	131,490
Chevron Corp.	30,313	4,521,487
Chord Energy Corp.	554	92,091
Civitas Resources, Inc.	1,313	89,783

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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)		
Clean Energy Fuels Corp. (A)	3,925	\$ 15,033
CNX Resources Corp. (A)	2,780	55,600
Comstock Resources, Inc.	3,787	33,515
ConocoPhillips	18,756	2,177,009
CONSOL Energy, Inc.	572	57,503
Coterra Energy, Inc.	11,812	301,442
Crescent Energy Company, Class A	711	9,392
CrossAmerica Partners LP	406	9,257
CVR Energy, Inc.	1,544	46,783
Delek Logistics Partners LP	100	4,317
Delek US Holdings, Inc.	1,194	30,805
Devon Energy Corp.	9,925	449,603
Diamondback Energy, Inc.	2,772	429,882
Dorchester Minerals LP	517	16,456
Dorian LPG, Ltd.	704	30,884
DT Midstream, Inc.	1,185	64,938
Empire Petroleum Corp. (A)	154	1,692
Energy Transfer LP	455	6,279
EOG Resources, Inc.	9,086	1,098,952
EQT Corp.	5,996	231,805
Equitrans Midstream Corp.	7,277	74,080
Evolution Petroleum Corp.	128	744
Excelerate Energy, Inc., Class A	304	4,700
Exxon Mobil Corp.	62,843	6,283,043
FutureFuel Corp.	986	5,995
Genesis Energy LP	454	5,257
Gevo, Inc. (A)(B)	3,981	4,618
Global Partners LP	158	6,685
Green Plains Partners LP	478	6,085
Green Plains, Inc. (A)	881	22,219
Gulfport Energy Corp. (A)	298	39,694
Hallador Energy Company (A)	431	3,810
Harvest Natural Resources, Inc. (A)(C)	270	0
Hess Corp.	5,030	725,125
Hess Midstream LP, Class A	142	4,491
HF Sinclair Corp.	2,835	157,541
HighPeak Energy, Inc.	1,811	25,789
International Seaways, Inc.	693	31,518
Kimbell Royalty Partners LP	1,094	16,465
Kinder Morgan, Inc.	33,661	593,780
Kosmos Energy, Ltd. (A)	7,208	48,366
Magnolia Oil & Gas Corp., Class A	3,178	67,660
Marathon Oil Corp.	9,017	217,851
Marathon Petroleum Corp.	6,216	922,206
Matador Resources Company	1,968	111,900
Murphy Oil Corp.	2,467	105,242
NACCO Industries, Inc., Class A	132	4,818
Natural Resource Partners LP	105	9,719
New Fortress Energy, Inc.	3,437	129,678
Next Bridge Hydrocarbons, Inc. (A)(C)	2,456	639
NextDecade Corp. (A)(B)	1,986	9,473
Northern Oil and Gas, Inc.	1,194	44,262
Occidental Petroleum Corp.	13,694	817,669
ONEOK, Inc.	6,850	481,007
OPAL Fuels, Inc., Class A (A)	311	1,717
Overseas Shipholding Group, Inc., Class A	496	2,614
Ovintiv, Inc.	4,064	178,491
Par Pacific Holdings, Inc. (A)	524	19,058
PBF Energy, Inc., Class A	2,149	94,470
Peabody Energy Corp.	2,328	56,617
Permian Resources Corp.	4,734	64,382
Phillips 66	6,934	923,193
Pioneer Natural Resources Company	3,654	821,712
Range Resources Corp.	4,124	125,535
REX American Resources Corp. (A)	379	17,927

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Riley Exploration Permian, Inc.	305	\$ 8,308
SandRidge Energy, Inc.	486	6,644
SFL Corp., Ltd.	2,278	25,696
SilverBow Resources, Inc. (A)	313	9,102
Sitio Royalties Corp., Class A	1,163	27,342
SM Energy Company	2,008	77,750
Southwestern Energy Company (A)	17,779	116,452
Talos Energy, Inc. (A)	1,236	17,588
Targa Resources Corp.	3,472	301,613
Teekay Corp. (A)	2,030	14,515
Tellurian, Inc. (A)(B)	9,089	6,868
Texas Pacific Land Corp.	126	198,129
The Williams Companies, Inc.	18,113	630,876
Uranium Energy Corp. (A)	5,202	33,293
VAALCO Energy, Inc.	1,457	6,542
Valero Energy Corp.	5,501	715,130
Vertex Energy, Inc. (A)	1,206	4,088
Viper Energy, Inc.	515	16,161
Vital Energy, Inc. (A)	259	11,782
Vitesse Energy, Inc.	455	9,960
W&T Offshore, Inc.	2,049	6,680
World Kinect Corp.	1,088	24,785
		26,637,090
		29,785,701
Financials – 13.0%		
Banks – 3.4%		
1st Source Corp.	500	27,475
Amerant Bancorp, Inc.	649	15,946
American National Bankshares, Inc.	218	10,628
Ameris Bancorp	1,207	64,031
Ames National Corp.	260	5,548
Arrow Financial Corp.	409	11,427
Associated Banc-Corp.	2,550	54,545
Atlantic Union Bankshares Corp.	1,383	50,535
Axos Financial, Inc. (A)	1,046	57,112
Banc of California, Inc.	2,515	33,776
BancFirst Corp.	496	48,276
Bank of America Corp.	123,353	4,153,296
Bank of Hawaii Corp. (B)	678	49,128
Bank of Marin Bancorp	328	7,223
Bank OZK	1,946	96,969
BankFinancial Corp.	481	4,935
BankUnited, Inc.	1,357	44,008
Bankwell Financial Group, Inc.	211	6,368
Banner Corp.	610	32,672
Bar Harbor Bankshares	409	12,008
BayCom Corp.	336	7,926
BCB Bancorp, Inc.	437	5,615
Berkshire Hills Bancorp, Inc.	847	21,031
BOK Financial Corp.	1,118	95,757
Bridgewater Bancshares, Inc. (A)	655	8,856
Brookline Bancorp, Inc.	2,130	23,238
Business First Bancshares, Inc.	293	7,222
Byline Bancorp, Inc.	787	18,542
Cadence Bank	3,163	93,593
Cambridge Bancorp	93	6,454
Camden National Corp.	332	12,493
Capital City Bank Group, Inc.	400	11,772
Capitol Federal Financial, Inc.	1,954	12,603
Capstar Financial Holdings, Inc.	374	7,009
Cathay General Bancorp	768	34,230
Central Pacific Financial Corp.	579	11,395
Central Valley Community Bancorp	295	6,593
Chemung Financial Corp.	36	1,793
Citigroup, Inc.	29,809	1,533,375

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Citizens & Northern Corp.	324	\$ 7,267
Citizens Financial Group, Inc.	6,380	211,433
City Holding Company	280	30,873
Civista Bancshares, Inc.	342	6,306
CNB Financial Corp.	426	9,623
Codorus Valley Bancorp, Inc.	267	6,862
Columbia Banking System, Inc.	3,639	97,089
Columbia Financial, Inc. (A)	1,909	36,806
Comerica, Inc.	2,162	120,661
Commerce Bancshares, Inc.	1,902	101,586
Community Bank System, Inc.	769	40,073
Community Trust Bancorp, Inc.	310	13,597
ConnectOne Bancorp, Inc.	882	20,207
Cullen/Frost Bankers, Inc.	1,066	115,650
Customers Bancorp, Inc. (A)	374	21,550
CVB Financial Corp.	1,133	22,875
Dime Community Bancshares, Inc.	776	20,898
Eagle Bancorp, Inc.	547	16,487
East West Bancorp, Inc.	2,254	162,175
Eastern Bankshares, Inc.	1,922	27,292
Enterprise Bancorp, Inc.	293	9,452
Enterprise Financial Services Corp.	742	33,130
Equity Bancshares, Inc., Class A	331	11,221
Esquire Financial Holdings, Inc.	215	10,741
Farmers & Merchants Bancorp, Inc.	101	2,505
FB Financial Corp.	908	36,184
Fifth Third Bancorp	9,951	343,210
Financial Institutions, Inc.	396	8,435
First Bancorp (North Carolina)	684	25,315
First Bancorp (Puerto Rico)	3,172	52,179
First Busey Corp.	1,120	27,798
First Citizens BancShares, Inc., Class A	210	297,984
First Commonwealth Financial Corp.	1,842	28,440
First Community Bankshares, Inc.	247	9,164
First Financial Bancorp	1,737	41,254
First Financial Bankshares, Inc.	2,377	72,023
First Financial Corp.	283	12,177
First Hawaiian, Inc.	2,278	52,075
First Horizon Corp.	8,848	125,288
First Internet Bancorp	220	5,322
First Interstate BancSystem, Inc., Class A	1,855	57,041
First Merchants Corp.	955	35,411
Flushing Financial Corp.	465	7,663
FNB Corp.	5,943	81,835
Fulton Financial Corp.	2,254	37,101
FVCBankcorp, Inc. (A)	533	7,569
German American Bancorp, Inc.	635	20,580
Glacier Bancorp, Inc.	1,905	78,715
Great Southern Bancorp, Inc.	260	15,431
Guaranty Bancshares, Inc.	278	9,346
Hancock Whitney Corp.	1,414	68,706
Hanmi Financial Corp.	645	12,513
HarborOne Bancorp, Inc.	1,175	14,077
Heartland Financial USA, Inc.	771	28,997
Heritage Commerce Corp.	1,034	10,257
Heritage Financial Corp.	708	15,144
Hilltop Holdings, Inc.	1,026	36,125
Home Bancorp, Inc.	185	7,772
Home BancShares, Inc.	3,102	78,574
HomeStreet, Inc.	395	4,069
Hope Bancorp, Inc.	2,344	28,316
Horizon Bancorp, Inc.	928	13,280
Huntington Bancshares, Inc.	20,983	266,904
Independent Bank Corp. (Massachusetts)	711	46,791
Independent Bank Corp. (Michigan)	491	12,776

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Independent Bank Group, Inc.	753	\$ 38,313
International Bancshares Corp.	802	43,565
Investar Holding Corp.	319	4,756
JPMorgan Chase & Co.	45,148	7,679,675
Kearny Financial Corp.	1,435	12,872
KeyCorp	14,999	215,986
Lakeland Bancorp, Inc.	1,308	19,345
Lakeland Financial Corp.	456	29,713
Live Oak Bancshares, Inc.	804	36,582
Luther Burbank Corp. (A)	1,133	12,134
M&T Bank Corp.	2,538	347,909
Macatawa Bank Corp.	926	10,445
Mercantile Bank Corp.	362	14,618
Metropolitan Bank Holding Corp. (A)	184	10,190
Midland States Bancorp, Inc.	539	14,855
MidWestOne Financial Group, Inc.	336	9,042
MVB Financial Corp.	285	6,430
National Bank Holdings Corp., Class A	697	25,921
National Bankshares, Inc.	168	5,435
NBT Bancorp, Inc.	501	20,997
New York Community Bancorp, Inc.	8,838	90,413
Nicolet Bankshares, Inc.	67	5,392
Northfield Bancorp, Inc.	1,000	12,580
Northrim BanCorp, Inc.	150	8,582
Northwest Bancshares, Inc.	2,105	26,270
Norwood Financial Corp.	211	6,944
NU Holdings, Ltd., Class A (A)	56,681	472,153
OceanFirst Financial Corp.	1,155	20,051
OFG Bancorp	931	34,894
Old National Bancorp	4,312	72,830
Old Second Bancorp, Inc.	816	12,599
Origin Bancorp, Inc.	516	18,354
Pacific Premier Bancorp, Inc.	1,278	37,203
Park National Corp.	210	27,901
Pathward Financial, Inc.	521	27,577
Peapack-Gladstone Financial Corp.	397	11,839
Peoples Bancorp of North Carolina, Inc.	98	2,959
Peoples Bancorp, Inc.	711	24,003
Pinnacle Financial Partners, Inc.	1,285	112,078
Ponce Financial Group, Inc. (A)	702	6,852
Popular, Inc.	829	68,036
Preferred Bank	294	21,477
Premier Financial Corp.	804	19,376
Primis Financial Corp.	655	8,292
Princeton Bancorp, Inc.	226	8,113
Prosperity Bancshares, Inc.	1,071	72,539
Provident Bancorp, Inc. (A)	54	544
Provident Financial Services, Inc.	1,019	18,373
QCR Holdings, Inc.	349	20,378
RBB Bancorp	407	7,749
Red River Bancshares, Inc.	155	8,697
Regions Financial Corp.	13,501	261,649
Renasant Corp.	1,005	33,848
Republic Bancorp, Inc., Class A	350	19,306
S&T Bancorp, Inc.	768	25,667
Sandy Spring Bancorp, Inc.	750	20,430
Seacoast Banking Corp. of Florida	1,097	31,221
ServisFirst Bancshares, Inc.	848	56,502
Shore Bancshares, Inc.	488	6,954
Sierra Bancorp	373	8,411
Simmons First National Corp., Class A	2,304	45,711
South Plains Financial, Inc.	415	12,018
Southern First Bancshares, Inc. (A)	207	7,680
Southern Missouri Bancorp, Inc.	206	10,998
Southside Bancshares, Inc.	667	20,890

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
SouthState Corp.	1,302	\$ 109,954
Stellar Bancorp, Inc.	998	27,784
Sterling Bancorp, Inc. (A)	1,248	7,201
Stock Yards Bancorp, Inc.	419	21,574
Summit Financial Group, Inc.	329	10,097
Synovus Financial Corp.	2,472	93,071
Territorial Bancorp, Inc.	238	2,654
Texas Capital Bancshares, Inc. (A)	863	55,776
The Bancorp, Inc. (A)	1,009	38,907
The First Bancorp, Inc.	302	8,522
The First of Long Island Corp.	570	7,547
The PNC Financial Services Group, Inc.	6,125	948,456
Timberland Bancorp, Inc.	79	2,485
Tompkins Financial Corp.	290	17,467
Towne Bank	1,355	40,325
TriCo Bancshares	622	26,727
Triumph Financial, Inc. (A)	443	35,520
Trust Financial Corp.	20,174	744,824
Trustmark Corp.	1,112	31,003
U.S. Bancorp	23,320	1,009,290
UMB Financial Corp.	475	39,686
United Bankshares, Inc.	2,146	80,582
United Community Banks, Inc.	1,695	49,596
Unity Bancorp, Inc.	266	7,871
Univest Financial Corp.	651	14,342
Valley National Bancorp	7,874	85,512
Veritex Holdings, Inc.	1,027	23,898
WaFd, Inc.	1,028	33,883
Washington Trust Bancorp, Inc.	335	10,847
Webster Financial Corp.	2,933	148,879
Wells Fargo & Company	56,831	2,797,222
WesBanco, Inc.	1,118	35,072
West Bancorp, Inc.	410	8,692
Western Alliance Bancorp	1,809	119,014
Western New England Bancorp, Inc.	652	5,868
Wintrust Financial Corp.	1,028	95,347
WSFS Financial Corp.	1,111	51,028
Zions Bancorp NA	2,266	99,409
		27,344,651
Capital markets – 3.1%		
Affiliated Managers Group, Inc.	469	71,016
AITi Global, Inc. (A)	2,388	20,919
Ameriprise Financial, Inc.	1,576	598,612
Ares Management Corp., Class A	2,810	334,165
Artisan Partners Asset Management, Inc., Class A	1,162	51,337
AssetMark Financial Holdings, Inc. (A)	1,278	38,276
Associated Capital Group, Inc., Class A	130	4,642
Bain Capital Specialty Finance, Inc.	569	8,575
Barings BDC, Inc.	1,343	11,523
Beneficient, Class A (A)	5,455	2,652
BGC Group, Inc., Class A	5,719	41,291
BlackRock Capital Investment Corp.	2,031	7,860
BlackRock TCP Capital Corp.	538	6,209
BlackRock, Inc.	2,315	1,879,317
Blue Owl Capital, Inc.	6,668	99,353
Bridge Investment Group Holdings, Inc., Class A	617	6,034
BrightSphere Investment Group, Inc.	415	7,951
Capital Southwest Corp.	445	10,547
Carlyle Secured Lending, Inc.	398	5,954
Cboe Global Markets, Inc.	1,712	305,695
CME Group, Inc.	5,614	1,182,308
Cohen & Steers, Inc.	825	62,477
Coinbase Global, Inc., Class A (A)	2,915	506,977

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Diamond Hill Investment Group, Inc.	65	\$ 10,763
Donnelley Financial Solutions, Inc. (A)	521	32,495
Ellington Financial, Inc.	880	11,185
Evercore, Inc., Class A	649	111,011
FactSet Research Systems, Inc.	581	277,166
Federated Hermes, Inc.	1,473	49,876
Fidus Investment Corp.	537	10,574
Forge Global Holdings, Inc. (A)	2,536	8,698
Franklin Resources, Inc.	7,328	218,301
GCM Grosvenor, Inc., Class A	217	1,944
Gladstone Capital Corp.	801	8,571
Gladstone Investment Corp. (B)	740	10,471
Golub Capital BDC, Inc.	297	4,485
Hamilton Lane, Inc., Class A	644	73,055
Houlihan Lokey, Inc.	832	99,765
Interactive Brokers Group, Inc., Class A	1,612	133,635
Intercontinental Exchange, Inc.	8,714	1,119,139
Invesco, Ltd.	6,104	108,895
Jefferies Financial Group, Inc.	3,211	129,757
KKR & Company, Inc.	13,391	1,109,444
Lazard, Ltd., Class A	1,833	63,788
LPL Financial Holdings, Inc.	1,174	267,226
MarketAxess Holdings, Inc.	613	179,517
MidCap Financial Investment Corp.	512	7,004
Moelis & Company, Class A	1,086	60,957
Monroe Capital Corp.	561	3,963
Moody's Corp.	2,837	1,108,019
Morgan Stanley	25,797	2,405,570
Morningstar, Inc.	696	199,223
MSCI, Inc.	1,214	686,699
Nasdaq, Inc.	7,541	438,434
Northern Trust Corp.	3,158	266,472
Open Lending Corp. (A)	2,053	17,471
Oppenheimer Holdings, Inc., Class A	169	6,983
Oxford Square Capital Corp.	1,411	4,035
P10, Inc., Class A	510	5,212
P10, Inc., Class B	665	6,796
PennantPark Floating Rate Capital, Ltd.	759	9,184
PennantPark Investment Corp.	1,644	11,360
Perella Weinberg Partners	815	9,967
Piper Sandler Companies	301	52,636
Portman Ridge Finance Corp.	262	4,766
Raymond James Financial, Inc.	3,248	362,152
Robinhood Markets, Inc., Class A (A)	12,450	158,613
S&P Global, Inc.	4,930	2,171,764
SEI Investments Company	2,103	133,646
SLR Investment Corp.	420	6,313
State Street Corp.	4,845	375,294
Stellus Capital Investment Corp.	468	6,014
StepStone Group, Inc., Class A	1,110	35,331
Stifel Financial Corp.	1,702	117,693
StoneX Group, Inc. (A)	526	38,835
T. Rowe Price Group, Inc.	3,315	356,992
The Bank of New York Mellon Corp.	11,957	622,362
The Blackstone Group, Inc.	10,976	1,436,978
The Carlyle Group, Inc.	5,845	237,833
The Charles Schwab Corp.	27,394	1,884,707
The Goldman Sachs Group, Inc.	5,138	1,982,086
TPG, Inc.	1,243	53,660
Tradeweb Markets, Inc., Class A	1,792	162,857
TriplePoint Venture Growth BDC Corp.	568	6,168
Victory Capital Holdings, Inc., Class A	1,216	41,879
Virtu Financial, Inc., Class A	1,673	33,895
Virtus Investment Partners, Inc.	128	30,945
WhiteHorse Finance, Inc.	557	6,851

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
WisdomTree, Inc.	2,831	\$ 19,619
		24,890,689
Consumer finance – 0.6%		
Ally Financial, Inc.	4,836	168,873
American Express Company	11,415	2,138,486
Atlanticus Holdings Corp. (A)	234	9,049
Bread Financial Holdings, Inc.	803	26,451
Capital One Financial Corp.	5,844	766,265
Consumer Portfolio Services, Inc. (A)	225	2,108
Credit Acceptance Corp. (A)	209	111,341
Discover Financial Services	3,815	428,806
Encore Capital Group, Inc. (A)	412	20,909
Enova International, Inc. (A)	563	31,168
EZCORP, Inc., Class A (A)	1,126	9,841
FirstCash Holdings, Inc.	788	85,411
Green Dot Corp., Class A (A)	978	9,682
LendingClub Corp. (A)	511	4,466
LendingTree, Inc. (A)	258	7,823
Medallion Financial Corp.	113	1,113
MoneyLion, Inc. (A)	82	5,141
Navient Corp.	2,060	38,357
Nelnet, Inc., Class A	367	32,377
NerdWallet, Inc., Class A (A)	636	9,362
OneMain Holdings, Inc.	1,891	93,037
Oportun Financial Corp. (A)	464	1,814
PRA Group, Inc. (A)	701	18,366
PROG Holdings, Inc. (A)	872	26,954
Regional Management Corp.	205	5,141
SLM Corp.	3,985	76,193
SoFi Technologies, Inc. (A)	14,760	146,862
Synchrony Financial	6,260	239,069
Upstart Holdings, Inc. (A)(B)	1,379	56,346
World Acceptance Corp. (A)	124	16,186
		4,586,997
Financial services – 4.0%		
Acacia Research Corp. (A)	1,092	4,281
Affirm Holdings, Inc. (A)	3,833	188,354
A-Mark Precious Metals, Inc.	482	14,581
Apollo Global Management, Inc.	8,832	823,054
AvidXchange Holdings, Inc. (A)	3,067	38,000
Berkshire Hathaway, Inc., Class A (A)	9	4,883,625
Berkshire Hathaway, Inc., Class B (A)	20,430	7,286,564
Block, Inc. (A)	8,691	672,249
Cannae Holdings, Inc. (A)	1,126	21,968
Cass Information Systems, Inc.	256	11,533
Corebridge Financial, Inc.	1,333	28,873
Enact Holdings, Inc.	2,321	67,054
Equitable Holdings, Inc.	5,361	178,521
Euronet Worldwide, Inc. (A)	845	85,759
Federal Agricultural Mortgage Corp., Class C	173	33,081
Federal National Mortgage Association (A)	8,554	9,153
Fidelity National Information Services, Inc.	9,627	578,294
Fiserv, Inc. (A)	9,473	1,258,393
FleetCor Technologies, Inc. (A)	1,124	317,654
Flywire Corp. (A)	1,698	39,309
Global Payments, Inc.	3,982	505,714
i3 Verticals, Inc., Class A (A)	424	8,976
International Money Express, Inc. (A)	496	10,957
Jack Henry & Associates, Inc.	1,176	192,170
Jackson Financial, Inc., Class A	1,256	64,307
LoanDepot, Inc., Class A (A)	82	289
Marqeta, Inc., Class A (A)	7,428	51,847
Mastercard, Inc., Class A	14,511	6,189,087
Merchants Bancorp	829	35,299

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Financial services (continued)		
MGIC Investment Corp.	2,381	\$ 45,929
Mr. Cooper Group, Inc. (A)	340	22,141
NCR Atleos Corp. (A)	1,141	27,715
NewtekOne, Inc.	477	6,583
NMI Holdings, Inc., Class A (A)	1,463	43,422
Ocwen Financial Corp. (A)	165	5,075
PagSeguro Digital, Ltd., Class A (A)	2,248	28,033
Paymentus Holdings, Inc., Class A (A)	578	10,329
Payoneer Global, Inc. (A)	5,500	28,655
PayPal Holdings, Inc. (A)	16,847	1,034,574
Paysign, Inc. (A)	1,105	3,094
PennyMac Financial Services, Inc.	824	72,817
Priority Technology Holdings, Inc. (A)	1,154	4,108
Radian Group, Inc.	2,549	72,774
Remitly Global, Inc. (A)	2,668	51,813
Rocket Companies, Inc., Class A (A)(B)	499	7,226
Shift4 Payments, Inc., Class A (A)	852	63,338
TFS Financial Corp.	3,937	57,835
The Western Union Company	5,964	71,091
Toast, Inc., Class A (A)	5,509	100,594
TrustCo Bank Corp. NY	400	12,420
Visa, Inc., Class A	24,940	6,493,129
Voya Financial, Inc.	1,552	113,234
Walker & Dunlop, Inc.	566	62,832
WEX, Inc. (A)	623	121,205
		32,158,912
Insurance – 1.8%		
Aflac, Inc.	9,664	797,280
American Coastal Insurance Corp. (A)	2,343	22,165
American Equity Investment Life Holding Company (A)	1,278	71,312
American Financial Group, Inc.	1,282	152,417
American International Group, Inc.	11,267	763,339
AMERISAFE, Inc.	412	19,273
Aon PLC, Class A	3,147	915,840
Arch Capital Group, Ltd. (A)	5,800	430,766
Arthur J. Gallagher & Company	3,375	758,970
Assurant, Inc.	835	140,689
Assured Guaranty, Ltd.	997	74,606
Axis Capital Holdings, Ltd.	1,428	79,068
Bright Health Group, Inc. (A)	128	977
BrightHouse Financial, Inc. (A)	1,236	65,409
Brown & Brown, Inc.	4,311	306,555
BRP Group, Inc., Class A (A)	1,065	25,581
Cincinnati Financial Corp.	2,553	264,133
CNA Financial Corp.	4,244	179,564
CNO Financial Group, Inc.	2,084	58,144
Crawford & Company, Class B	1,283	16,782
Donegal Group, Inc., Class A	786	10,996
eHealth, Inc. (A)	490	4,273
Employers Holdings, Inc.	594	23,404
Enstar Group, Ltd. (A)	223	65,640
Erie Indemnity Company, Class A	756	253,200
Everest Group, Ltd.	619	218,866
F&G Annuities & Life, Inc.	1,837	84,502
Fidelity National Financial, Inc.	4,470	228,059
First American Financial Corp.	1,651	106,390
Genworth Financial, Inc., Class A (A)	7,530	50,300
Globe Life, Inc.	1,345	163,713
GoHealth, Inc., Class A (A)	146	1,948
Goosehead Insurance, Inc., Class A (A)	367	27,819
Hagerty, Inc., Class A (A)	1,692	13,198
HCI Group, Inc.	170	14,858
Heritage Insurance Holdings, Inc. (A)	734	4,786
Hippo Holdings, Inc. (A)	362	3,301

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Horace Mann Educators Corp.	841	\$ 27,501
Investors Title Company	50	8,107
Kemper Corp.	1,124	54,705
Kinsale Capital Group, Inc.	390	130,615
Lemonade, Inc. (A)(B)	1,150	18,550
Lincoln National Corp.	2,877	77,593
Loews Corp.	797	55,463
Maiden Holdings, Ltd. (A)	1,154	2,643
Markel Group, Inc. (A)	212	301,019
Marsh & McLennan Companies, Inc.	7,697	1,458,351
MBIA, Inc. (A)	1,050	6,426
Mercury General Corp.	1,013	37,795
MetLife, Inc.	11,695	773,390
National Western Life Group, Inc., Class A	35	16,906
NI Holdings, Inc. (A)	641	8,327
Old Republic International Corp.	4,621	135,857
Oscar Health, Inc., Class A (A)	3,277	29,985
Palomar Holdings, Inc. (A)	466	25,863
Primerica, Inc.	609	125,308
Principal Financial Group, Inc.	3,679	289,427
ProAssurance Corp.	1,099	15,155
Prudential Financial, Inc.	5,623	583,161
Reinsurance Group of America, Inc.	964	155,956
RenaissanceRe Holdings, Ltd.	725	142,100
RLI Corp.	774	103,035
Root, Inc., Class A (A)	229	2,400
Ryan Specialty Holdings, Inc. (A)	1,884	81,050
Safety Insurance Group, Inc.	323	24,545
Selective Insurance Group, Inc.	976	97,092
Stewart Information Services Corp.	487	28,611
The Allstate Corp.	4,232	592,395
The Hanover Insurance Group, Inc.	568	68,967
The Hartford Financial Services Group, Inc.	4,667	375,133
The Progressive Corp.	9,455	1,505,992
The Travelers Companies, Inc.	3,483	663,477
Trupanion, Inc. (A)(B)	706	21,540
United Fire Group, Inc.	546	10,986
Universal Insurance Holdings, Inc.	656	10,483
Unum Group	2,944	133,128
W.R. Berkley Corp.	3,913	276,727
White Mountains Insurance Group, Ltd.	37	55,685
		14,949,572
Mortgage real estate investment trusts – 0.1%		
AG Mortgage Investment Trust, Inc.	80	508
AGNC Investment Corp.	7,978	78,264
Angel Oak Mortgage REIT, Inc.	160	1,696
Annaly Capital Management, Inc.	6,736	130,476
Apollo Commercial Real Estate Finance, Inc.	2,544	29,867
Arbor Realty Trust, Inc.	2,539	38,542
Ares Commercial Real Estate Corp.	789	8,174
ARMOUR Residential REIT, Inc.	952	18,393
Blackstone Mortgage Trust, Inc., Class A	2,768	58,875
BrightSpire Capital, Inc.	2,589	19,262
Chicago Atlantic Real Estate Finance, Inc.	109	1,764
Chimera Investment Corp.	3,772	18,822
Claros Mortgage Trust, Inc.	1,986	27,069
Dynex Capital, Inc.	611	7,650
Ellington Residential Mortgage REIT	471	2,887
Franklin BSP Realty Trust, Inc.	891	12,037
Granite Point Mortgage Trust, Inc.	1,105	6,564
Great Ajax Corp.	553	2,931
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	1,402	38,667

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
Invesco Mortgage Capital, Inc.	352	\$ 3,119
KKR Real Estate Finance Trust, Inc.	1,084	14,341
Ladder Capital Corp.	2,439	28,073
MFA Financial, Inc.	1,816	20,466
New York Mortgage Trust, Inc.	1,306	11,140
Orchid Island Capital, Inc.	327	2,757
PennyMac Mortgage Investment Trust	1,708	25,535
Ready Capital Corp.	2,537	26,004
Redwood Trust, Inc.	2,127	15,761
Rithm Capital Corp.	7,947	84,874
Starwood Property Trust, Inc.	5,131	107,854
TPG RE Finance Trust, Inc.	1,656	10,764
Two Harbors Investment Corp.	1,453	20,240
		873,376
		104,804,197
Health care – 11.8%		
Biotechnology – 2.3%		
2seventy bio, Inc. (A)	648	2,767
4D Molecular Therapeutics, Inc. (A)	535	10,839
89bio, Inc. (A)	819	9,148
Aadi Bioscience, Inc. (A)	394	796
AbbVie, Inc.	27,361	4,240,134
Abeona Therapeutics, Inc. (A)	280	1,403
Absci Corp. (A)	1,544	6,485
ACADIA Pharmaceuticals, Inc. (A)	2,745	85,946
ACELYRIN, Inc. (A)	1,401	10,451
Achieve Life Sciences, Inc. (A)	170	700
Achillion Pharmaceuticals, Inc. (A)(C)	3,410	5,181
Actinium Pharmaceuticals, Inc. (A)	204	1,036
Acumen Pharmaceuticals, Inc. (A)	3,875	14,880
Acurx Pharmaceuticals, Inc. (A)	299	1,145
Adicet Bio, Inc. (A)	663	1,253
ADMA Biologics, Inc. (A)	1,384	6,256
Aduro Biotech, Inc. (A)(C)	312	773
Aerovate Therapeutics, Inc. (A)	391	8,848
Agenus, Inc. (A)	4,630	3,833
Agius Pharmaceuticals, Inc. (A)	969	21,580
Akero Therapeutics, Inc. (A)	754	17,606
Akouos, Inc. (A)(C)	504	912
Albireo Pharma, Inc. (A)(C)	301	647
Aldeyra Therapeutics, Inc. (A)	1,138	3,994
Alector, Inc. (A)	1,508	12,034
Alkermes PLC (A)	2,773	76,923
Allakos, Inc. (A)	1,352	3,691
Allogene Therapeutics, Inc. (A)	2,589	8,311
Allovir, Inc. (A)	1,480	1,006
Alnylam Pharmaceuticals, Inc. (A)	1,971	377,269
Alpine Immune Sciences, Inc. (A)	715	13,628
Altimmune, Inc. (A)	801	9,011
ALX Oncology Holdings, Inc. (A)(B)	659	9,813
Ambit Biosciences Corp. (A)(C)	515	278
Ambrx Biopharma, Inc. (A)	1,512	21,531
Amgen, Inc.	8,275	2,383,366
Amicus Therapeutics, Inc. (A)	4,686	66,494
AnaptysBio, Inc. (A)	530	11,353
Anavex Life Sciences Corp. (A)(B)	431	4,013
Anika Therapeutics, Inc. (A)	288	6,526
Annexon, Inc. (A)	896	4,068
Annovis Bio, Inc. (A)	176	3,291
Apellis Pharmaceuticals, Inc. (A)	1,786	106,910
Applied Therapeutics, Inc. (A)	1,067	3,574
Arbutus Biopharma Corp. (A)	1,653	4,133
Arcellx, Inc. (A)	707	39,239
Arcturus Therapeutics Holdings, Inc. (A)	330	10,405
Arcus Biosciences, Inc. (A)	1,192	22,767

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Arcutis Biotherapeutics, Inc. (A)	1,116	\$ 3,605
Ardelyx, Inc. (A)	3,046	18,885
Arrowhead Pharmaceuticals, Inc. (A)	1,775	54,315
ARS Pharmaceuticals, Inc. (A)(B)	4,464	24,463
Astria Therapeutics, Inc. (A)	352	2,703
Atara Biotherapeutics, Inc. (A)	1,915	982
aTyr Pharma, Inc. (A)	237	334
Aura Biosciences, Inc. (A)	531	4,705
Avid Bioservices, Inc. (A)	992	6,448
Avidity Biosciences, Inc. (A)	920	8,326
Avita Medical, Inc. (A)	216	2,964
Beam Therapeutics, Inc. (A)	1,146	31,194
BioAtla, Inc. (A)	872	2,145
BioCryst Pharmaceuticals, Inc. (A)	2,966	17,766
Biogen, Inc. (A)	2,198	568,776
Biohaven, Ltd. (A)	1,091	46,695
BioMarin Pharmaceutical, Inc. (A)	3,057	294,756
Biomea Fusion, Inc. (A)(B)	543	7,884
BioVie, Inc. (A)	667	840
Bioxcel Therapeutics, Inc. (A)(B)	460	1,357
Black Diamond Therapeutics, Inc. (A)	960	2,698
Bluebird Bio, Inc. (A)	1,199	1,655
Blueprint Medicines Corp. (A)	1,002	92,424
Bridgebio Pharma, Inc. (A)	2,543	102,661
C4 Therapeutics, Inc. (A)	755	4,266
Cabaletta Bio, Inc. (A)	570	12,939
Capricor Therapeutics, Inc. (A)	749	3,663
Cardiff Oncology, Inc. (A)	1,316	1,948
CareDx, Inc. (A)	890	10,680
Caribou Biosciences, Inc. (A)	936	5,363
Carisma Therapeutics, Inc.	96	281
Catalyst Pharmaceuticals, Inc. (A)	1,738	29,216
Celcuity, Inc. (A)	202	2,943
Celldex Therapeutics, Inc. (A)	768	30,459
CEL-SCI Corp. (A)	784	2,132
Century Therapeutics, Inc. (A)	839	2,785
Cerevel Therapeutics Holdings, Inc. (A)	2,518	106,763
Checkpoint Therapeutics, Inc. (A)	243	556
Chinook Therapeutics, Inc. (A)(C)	965	376
Cibus, Inc. (A)(B)	746	14,651
Cogent Biosciences, Inc. (A)	1,064	6,256
Coherus Biosciences, Inc. (A)	1,434	4,775
Compass Therapeutics, Inc. (A)	1,405	2,192
Concert Pharmaceuticals, Inc. (A)(C)	1,064	394
Corvus Pharmaceuticals, Inc. (A)	153	269
Crinetics Pharmaceuticals, Inc. (A)	797	28,357
Cue Biopharma, Inc. (A)	664	1,753
Cullinan Oncology, Inc. (A)	632	6,440
Cyteir Therapeutics, Inc. (A)	402	1,222
Cytokinetics, Inc. (A)	1,511	126,153
CytomX Therapeutics, Inc. (A)	1,192	1,848
Day One Biopharmaceuticals, Inc. (A)	1,178	17,199
Decibel Therapeutics, Inc. (A)(C)	543	494
Deciphera Pharmaceuticals, Inc. (A)	1,040	16,775
Denali Therapeutics, Inc. (A)	2,200	47,212
DermTech, Inc. (A)	483	845
Design Therapeutics, Inc. (A)	844	2,237
DiaMedica Therapeutics, Inc. (A)	297	843
Dianthus Therapeutics, Inc. (A)	1,178	12,251
Disc Medicine, Inc. (A)	422	24,375
Dynavax Technologies Corp. (A)	1,983	27,722
Dyne Therapeutics, Inc. (A)	932	12,396
Eagle Pharmaceuticals, Inc. (A)	259	1,355
Editas Medicine, Inc. (A)	1,143	11,579
Emergent BioSolutions, Inc. (A)	921	2,210

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Enanta Pharmaceuticals, Inc. (A)	370	\$ 3,482
Entrada Therapeutics, Inc. (A)	489	7,379
Erasca, Inc. (A)(B)	2,011	4,283
Evelo Biosciences, Inc. (A)	129	8
Exact Sciences Corp. (A)	2,925	216,392
Exelixis, Inc. (A)	5,369	128,802
Fate Therapeutics, Inc. (A)	1,608	6,014
Fennec Pharmaceuticals, Inc. (A)	279	3,130
Flexion Therapeutics, Inc. (A)(C)	867	684
Foghorn Therapeutics, Inc. (A)	709	4,573
G1 Therapeutics, Inc. (A)	826	2,519
Gain Therapeutics, Inc. (A)	90	294
Genelux Corp. (A)	553	7,748
Generation Bio Company (A)	1,161	1,916
Geron Corp. (A)	5,962	12,580
Gilead Sciences, Inc.	19,235	1,558,227
GlycoMimetics, Inc. (A)	933	2,202
Graphite Bio, Inc. (A)	889	2,329
Greenwich Lifesciences, Inc. (A)	209	2,199
Gritstone bio, Inc. (A)	1,336	2,725
GTX Corp. (A)(C)	38	0
Halozyne Therapeutics, Inc. (A)	2,283	84,380
HilleVax, Inc. (A)	527	8,458
Humacyte, Inc. (A)	1,629	4,626
Icosavax, Inc. (A)	737	11,615
Ideaya Biosciences, Inc. (A)	764	27,183
IGM Biosciences, Inc. (A)(B)	556	4,620
Immuneering Corp., Class A (A)	361	2,653
Immunic, Inc. (A)	884	1,326
ImmunityBio, Inc. (A)(B)	10,318	51,796
ImmunoGen, Inc. (A)	3,506	103,953
Immunome, Inc. (A)	505	5,404
Immunovant, Inc. (A)	2,107	88,768
Incyte Corp. (A)	3,667	230,251
Inhibrx, Inc. (A)	704	26,752
Inmune Bio, Inc. (A)	459	5,168
Inozyme Pharma, Inc. (A)	4,241	18,067
Insmed, Inc. (A)	2,162	67,000
Intellia Therapeutics, Inc. (A)	1,380	42,076
Invivyd, Inc. (A)	1,879	7,403
Ionis Pharmaceuticals, Inc. (A)	2,363	119,544
Iovance Biotherapeutics, Inc. (A)	2,904	23,610
Ironwood Pharmaceuticals, Inc. (A)	2,657	30,396
iTeos Therapeutics, Inc. (A)	554	6,066
Janux Therapeutics, Inc. (A)	645	6,921
Jounce Therapeutics, Inc. (A)(C)	372	3
KalVista Pharmaceuticals, Inc. (A)	408	4,998
Karuna Therapeutics, Inc. (A)	545	172,498
Karyopharm Therapeutics, Inc. (A)	1,275	1,103
Keros Therapeutics, Inc. (A)	439	17,455
Kiniksa Pharmaceuticals, Ltd., Class A (A)	636	11,155
Kinnate Biopharma, Inc. (A)	686	1,626
Kodiak Sciences, Inc. (A)	899	2,733
Kronos Bio, Inc. (A)	1,099	1,374
Krystal Biotech, Inc. (A)	395	49,004
Kura Oncology, Inc. (A)	1,043	14,998
Kymera Therapeutics, Inc. (A)	885	22,532
Lantern Pharma, Inc. (A)	174	745
Larimar Therapeutics, Inc. (A)	656	2,985
Legend Biotech Corp., ADR (A)	2,721	163,723
Lyell Immunopharma, Inc. (A)	3,975	7,712
MacroGenics, Inc. (A)	1,201	11,554
Madrigal Pharmaceuticals, Inc. (A)	285	65,943
Magenta Therapeutics, Inc. (A)(C)	2,418	118
MannKind Corp. (A)	4,112	14,968

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
MeiraGTX Holdings PLC (A)	698	\$ 4,900
Merrimack Pharmaceuticals, Inc. (A)	204	2,736
Mersana Therapeutics, Inc. (A)	1,566	3,633
MiMedx Group, Inc. (A)	706	6,192
Mineralys Therapeutics, Inc. (A)	370	3,182
Mirati Therapeutics, Inc. (A)	902	52,993
Mirum Pharmaceuticals, Inc. (A)	650	19,188
Moderna, Inc. (A)	5,879	584,667
Monte Rosa Therapeutics, Inc. (A)	877	4,955
Morphic Holding, Inc. (A)	687	19,841
Mural Oncology PLC (A)	277	1,640
Myriad Genetics, Inc. (A)	1,391	26,624
Natera, Inc. (A)	1,772	110,998
Neurocrine Biosciences, Inc. (A)	1,582	208,444
NextCure, Inc. (A)	542	618
Nkarta, Inc. (A)	741	4,891
Northwest Biotherapeutics, Inc. (A)(B)	11,656	8,171
Novavax, Inc. (A)(B)	1,306	6,269
Nurix Therapeutics, Inc. (A)	762	7,864
Nuvalent, Inc., Class A (A)	831	61,153
Nuvectis Pharma, Inc. (A)	46	384
Ocean Biomedical, Inc. (A)	129	85
Olema Pharmaceuticals, Inc. (A)	673	9,442
Omega Therapeutics, Inc. (A)	866	2,607
Omthera Pharmaceuticals, Inc. (A)(C)	498	0
Organogenesis Holdings, Inc. (A)	2,172	8,883
ORIC Pharmaceuticals, Inc. (A)	3,068	28,226
Palatin Technologies, Inc. (A)	107	426
Paratek Pharmaceuticals, Inc. (A)(C)	901	72
Pardes Biosciences, Inc. (A)(C)	703	21
PDL BioPharma, Inc. (A)(C)	1,734	1,405
PDS Biotechnology Corp. (A)	567	2,818
PepGen, Inc. (A)	376	2,557
PMV Pharmaceuticals, Inc. (A)	729	2,260
Poseida Therapeutics, Inc. (A)	1,586	5,329
Praxis Precision Medicines, Inc. (A)	88	1,961
Precigen, Inc. (A)(B)	3,305	4,429
Prelude Therapeutics, Inc. (A)	793	3,386
Prime Medicine, Inc. (A)(B)	1,235	10,942
Protagonist Therapeutics, Inc. (A)	791	18,138
Protalix BioTherapeutics, Inc. (A)	510	908
Prothena Corp. PLC (A)	569	20,677
PTC Therapeutics, Inc. (A)	1,210	33,348
Puma Biotechnology, Inc. (A)	890	3,854
Pyxis Oncology, Inc. (A)	721	1,298
Rallybio Corp. (A)	561	1,341
RAPT Therapeutics, Inc. (A)	543	13,494
Recursion Pharmaceuticals, Inc., Class A (A)	2,871	28,308
Regeneron Pharmaceuticals, Inc. (A)	1,651	1,450,057
REGENXBIO, Inc. (A)	771	13,839
Relay Therapeutics, Inc. (A)	1,927	21,216
Reneo Pharmaceuticals, Inc. (A)	651	1,042
Replimune Group, Inc. (A)	778	6,559
REVOLUTION Medicines, Inc. (A)	2,279	65,362
Rhythm Pharmaceuticals, Inc. (A)	921	42,338
Rocket Pharmaceuticals, Inc. (A)	1,269	38,032
Sage Therapeutics, Inc. (A)	1,024	22,190
Sana Biotechnology, Inc. (A)	3,178	12,966
Sarepta Therapeutics, Inc. (A)	1,435	138,377
Savara, Inc. (A)	2,744	12,897
Scholar Rock Holding Corp. (A)	838	15,754
SELLAS Life Sciences Group, Inc. (A)	418	443
Sera Prognostics, Inc., Class A (A)	414	2,476
Seres Therapeutics, Inc. (A)	2,022	2,831

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Spectrum Pharmaceuticals, Inc. (A)(C)	3,285	\$ 263
Spero Therapeutics, Inc. (A)	623	916
SpringWorks Therapeutics, Inc. (A)	998	36,427
Stoke Therapeutics, Inc. (A)	722	3,798
Summit Therapeutics, Inc. (A)	9,951	25,972
Sutro Biopharma, Inc. (A)	868	3,724
Syndax Pharmaceuticals, Inc. (A)	887	19,168
Synergy Pharmaceuticals, Inc. (A)(C)	6,230	18
Syros Pharmaceuticals, Inc. (A)	285	2,220
Tango Therapeutics, Inc. (A)	1,408	13,939
Taysha Gene Therapies, Inc. (A)	1,015	1,797
Tenaya Therapeutics, Inc. (A)	1,121	3,632
TG Therapeutics, Inc. (A)	2,388	40,787
Tourmaline Bio, Inc.	93	2,435
Travere Therapeutics, Inc. (A)	1,004	9,026
TScan Therapeutics, Inc. (A)	684	3,988
Twist Bioscience Corp. (A)	907	33,432
Tyra Biosciences, Inc. (A)	661	9,155
Ultragenyx Pharmaceutical, Inc. (A)	1,176	56,236
United Therapeutics Corp. (A)	746	164,038
UNITY Biotechnology, Inc. (A)	109	210
UroGen Pharma, Ltd. (A)	495	7,425
Vanda Pharmaceuticals, Inc. (A)	1,167	4,925
Vaxcyte, Inc. (A)	1,279	80,321
Vaxxinity, Inc., Class A (A)	2,459	2,090
Vera Therapeutics, Inc. (A)	551	8,474
Veracyte, Inc. (A)	1,160	31,912
Vericel Corp. (A)	832	29,628
Vertex Pharmaceuticals, Inc. (A)	3,999	1,627,153
Verve Therapeutics, Inc. (A)	968	13,494
Vigil Neuroscience, Inc. (A)	449	1,518
Viking Therapeutics, Inc. (A)	1,415	26,333
Vir Biotechnology, Inc. (A)	2,215	22,283
Viridian Therapeutics, Inc. (A)	614	13,373
Vor BioPharma, Inc. (A)	854	1,922
Voyager Therapeutics, Inc. (A)	883	7,453
Werewolf Therapeutics, Inc. (A)	415	1,602
XBiotech, Inc. (A)	761	3,044
Xencor, Inc. (A)	1,071	22,737
XOMA Corp. (A)	228	4,218
Y-mAbs Therapeutics, Inc. (A)	853	5,817
Zentalis Pharmaceuticals, Inc. (A)	900	13,635
Zura Bio, Ltd. (A)	2,071	9,672
Zymeworks, Inc. (A)	272	2,826
		18,618,723
Health care equipment and supplies – 2.3%		
Abbott Laboratories	26,842	2,954,499
ABIOMED, Inc. (A)(C)	788	12,230
Accuray, Inc. (A)	2,141	6,059
Align Technology, Inc. (A)	1,147	314,278
Alphatec Holdings, Inc. (A)	1,632	24,660
AngioDynamics, Inc. (A)	735	5,762
Apyx Medical Corp. (A)	740	1,939
Artivion, Inc. (A)	737	13,178
AtriCure, Inc. (A)	795	28,374
Atrion Corp.	32	12,121
Avanos Medical, Inc. (A)	804	18,034
Axogen, Inc. (A)	823	5,621
Axonics, Inc. (A)	764	47,544
Baxter International, Inc.	8,184	316,393
Becton, Dickinson and Company	4,472	1,090,408
Beyond Air, Inc. (A)	409	802
Bioventus, Inc., Class A (A)	978	5,154
Boston Scientific Corp. (A)	22,539	1,302,980
Butterfly Network, Inc. (A)	2,633	2,844

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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)		
Cerus Corp. (A)	3,177	\$ 6,862
ClearPoint Neuro, Inc. (A)	280	1,901
CONMED Corp.	512	56,069
Cutera, Inc. (A)	347	1,223
CVRx, Inc. (A)	285	8,960
DarioHealth Corp. (A)	262	451
Delcath Systems, Inc. (A)	160	666
Dentsply Sirona, Inc.	3,486	124,067
DexCom, Inc. (A)	5,921	734,737
Edwards Lifesciences Corp. (A)	9,232	703,940
Embecta Corp.	968	18,324
Enovis Corp. (A)	825	46,217
Envista Holdings Corp. (A)	2,659	63,976
Establishment Labs Holdings, Inc. (A)	425	11,003
GE HealthCare Technologies, Inc.	6,930	535,828
Glaukos Corp. (A)	799	63,513
Globus Medical, Inc., Class A (A)	909	48,441
Haemonetics Corp. (A)	847	72,427
Hologic, Inc. (A)	3,637	259,864
ICU Medical, Inc. (A)	382	38,101
IDEXX Laboratories, Inc. (A)	1,257	697,698
Inari Medical, Inc. (A)	850	55,182
Inogen, Inc. (A)	441	2,421
Inspire Medical Systems, Inc. (A)	473	96,222
Insulet Corp. (A)	1,135	246,272
Integer Holdings Corp. (A)	553	54,791
Integra LifeSciences Holdings Corp. (A)	1,356	59,054
Intuitive Surgical, Inc. (A)	5,400	1,821,744
iRadimed Corp.	243	11,535
iRhythm Technologies, Inc. (A)	501	53,627
Lantheus Holdings, Inc. (A)	1,118	69,316
LeMaitre Vascular, Inc.	393	22,307
Masimo Corp. (A)	860	100,801
Medtronic PLC	20,500	1,688,790
Merit Medical Systems, Inc. (A)	944	71,706
Neogen Corp. (A)	3,324	66,846
Neuronetics, Inc. (A)	550	1,595
Nevro Corp. (A)	598	12,869
Omniceil, Inc. (A)	743	27,959
OraSure Technologies, Inc. (A)	1,347	11,045
Orchestra BioMed Holdings, Inc. (A)	1,853	16,918
Orthofix Medical, Inc. (A)	633	8,533
OrthoPediatrics Corp. (A)	364	11,834
Outset Medical, Inc. (A)	759	4,106
Paragon 28, Inc. (A)	1,105	13,735
Penumbra, Inc. (A)	619	155,703
PROCEPT BioRobotics Corp. (A)(B)	688	28,834
Pulmonx Corp. (A)	589	7,510
Pulse Biosciences, Inc. (A)	574	7,026
QuidelOrtho Corp. (A)	1,105	81,439
ResMed, Inc.	2,372	408,031
RxSight, Inc. (A)	274	11,048
Sanara Medtech, Inc. (A)	43	1,767
Senseonics Holdings, Inc. (A)	7,349	4,190
Sensus Healthcare, Inc. (A)	133	314
Shockwave Medical, Inc. (A)	592	112,812
SI-BONE, Inc. (A)	650	13,644
Sight Sciences, Inc. (A)	750	3,870
Silk Road Medical, Inc. (A)	593	7,276
STAAR Surgical Company (A)	802	25,030
Stereotaxis, Inc. (A)	1,565	2,739
STERIS PLC	1,495	328,676
Stryker Corp.	5,861	1,755,135
Surmodics, Inc. (A)	278	10,105
Tactile Systems Technology, Inc. (A)	415	5,935

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Tandem Diabetes Care, Inc. (A)	1,069	\$ 31,621
Tela Bio, Inc. (A)	217	1,437
Teleflex, Inc.	751	187,254
The Cooper Companies, Inc.	712	269,449
TransMedics Group, Inc. (A)	502	39,623
Treace Medical Concepts, Inc. (A)	822	10,481
UFP Technologies, Inc. (A)	86	14,795
Utah Medical Products, Inc.	74	6,232
Varex Imaging Corp. (A)	707	14,494
Zimmer Biomet Holdings, Inc.	3,057	372,037
Zimvie, Inc. (A)	366	6,497
		18,111,360
Health care providers and services – 2.5%		
Acadia Healthcare Company, Inc. (A)	1,502	116,796
Accolade, Inc. (A)	1,133	13,607
Aceto Corp. (A)(C)	853	0
AdaptHealth Corp. (A)	2,139	15,593
Addus HomeCare Corp. (A)	281	26,091
Agiliti, Inc. (A)	1,043	8,261
agilon health, Inc. (A)	6,679	83,821
AirSculpt Technologies, Inc. (A)	845	6,329
Alignment Healthcare, Inc. (A)	3,052	26,278
Amedisys, Inc. (A)	545	51,808
AMN Healthcare Services, Inc. (A)	695	52,042
Apollo Medical Holdings, Inc. (A)	958	36,691
Aveanna Healthcare Holdings, Inc. (A)	504	1,351
Brookdale Senior Living, Inc. (A)	3,457	20,120
Cardinal Health, Inc.	3,783	381,326
CareMax, Inc. (A)	1,340	668
Castle Biosciences, Inc. (A)	404	8,718
Cencora, Inc.	3,084	633,392
Centene Corp. (A)	8,270	613,717
Chemed Corp.	230	134,493
Clover Health Investments Corp. (A)	6,044	5,754
Community Health Systems, Inc. (A)	2,429	7,603
CorVel Corp. (A)	295	72,927
Cross Country Healthcare, Inc. (A)	655	14,829
CVS Health Corp.	19,757	1,560,013
DaVita, Inc. (A)	1,452	152,112
DocGo, Inc. (A)	1,512	8,452
Elevance Health, Inc.	3,639	1,716,007
Encompass Health Corp.	1,629	108,687
Enhabit, Inc. (A)	900	9,315
Fulgent Genetics, Inc. (A)	470	13,588
Guardant Health, Inc. (A)	1,715	46,391
HCA Healthcare, Inc.	4,094	1,108,164
HealthEquity, Inc. (A)	1,395	92,489
Henry Schein, Inc. (A)	2,086	157,931
Hims & Hers Health, Inc. (A)	2,702	24,048
Humana, Inc.	1,892	866,177
InfuSystem Holdings, Inc. (A)	130	1,370
Innovage Holding Corp. (A)	1,986	11,916
Laboratory Corp. of America Holdings	1,286	292,295
LifeStance Health Group, Inc. (A)(B)	6,301	49,337
McKesson Corp.	2,093	969,017
ModivCare, Inc. (A)	241	10,602
Molina Healthcare, Inc. (A)	877	316,869
National HealthCare Corp.	278	25,693
National Research Corp.	430	17,011
NeoGenomics, Inc. (A)	2,205	35,677
OPKO Health, Inc. (A)	12,549	18,949
Option Care Health, Inc. (A)	3,024	101,879
Owens & Minor, Inc. (A)	1,286	24,781
P3 Health Partners, Inc. (A)	8,303	11,707
Patterson Companies, Inc.	1,615	45,947

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Pediatrix Medical Group, Inc. (A)	1,428	\$ 13,280
PetIQ, Inc. (A)	575	11,356
Premier, Inc., Class A	1,861	41,612
Privia Health Group, Inc. (A)	1,737	40,003
Progyny, Inc. (A)	1,553	57,741
Quest Diagnostics, Inc.	1,776	244,875
R1 RCM, Inc. (A)	6,807	71,950
RadNet, Inc. (A)	1,007	35,013
Select Medical Holdings Corp.	2,102	49,397
Surgery Partners, Inc. (A)	1,891	60,493
Tenet Healthcare Corp. (A)	1,675	126,580
The Cigna Group	4,562	1,366,091
The Ensign Group, Inc.	921	103,345
The Joint Corp. (A)	267	2,566
The Oncology Institute, Inc. (A)	1,147	2,340
The Pennant Group, Inc. (A)	570	7,934
UnitedHealth Group, Inc.	14,383	7,572,218
Universal Health Services, Inc., Class B	880	134,147
US Physical Therapy, Inc.	228	21,236
Viemed Healthcare, Inc. (A)	370	2,905
		20,093,721
Health care technology – 0.1%		
American Well Corp., Class A (A)	4,289	6,391
Certara, Inc. (A)	2,677	47,088
Computer Programs and Systems, Inc. (A)	291	3,259
Definitive Healthcare Corp. (A)	1,802	17,912
Doximity, Inc., Class A (A)	1,839	51,566
Evolent Health, Inc., Class A (A)	1,650	54,500
GoodRx Holdings, Inc., Class A (A)	945	6,332
Health Catalyst, Inc. (A)	805	7,454
HealthStream, Inc.	552	14,921
iCAD, Inc. (A)	132	234
MultiPlan Corp. (A)	10,977	15,807
Phreesia, Inc. (A)	831	19,238
Schrodinger, Inc. (A)	1,079	38,628
Sharecare, Inc. (A)	5,224	5,642
Simulations Plus, Inc.	363	16,244
Teladoc Health, Inc. (A)	2,711	58,422
Veeva Systems, Inc., Class A (A)	2,282	439,331
Veradigm, Inc. (A)	1,873	19,648
		822,617
Life sciences tools and services – 1.4%		
10X Genomics, Inc., Class A (A)	1,591	89,032
Adaptive Biotechnologies Corp. (A)	2,555	12,520
Agilent Technologies, Inc.	4,388	610,064
Akoya Biosciences, Inc. (A)	83	405
Avantor, Inc. (A)	10,899	248,824
Azenta, Inc. (A)	1,203	78,363
BioLife Solutions, Inc. (A)	681	11,066
Bionano Genomics, Inc. (A)	511	966
Bio-Rad Laboratories, Inc., Class A (A)	399	128,833
Bio-Techne Corp.	2,559	197,452
Bruker Corp.	2,401	176,425
Charles River Laboratories International, Inc. (A)	839	198,340
Codexis, Inc. (A)	1,214	3,703
CryoPort, Inc. (A)	806	12,485
Cytex Biosciences, Inc. (A)	1,980	18,058
Danaher Corp.	11,415	2,640,746
Fortrea Holdings, Inc. (A)	1,419	49,523
Harvard Bioscience, Inc. (A)	430	2,301
ICON PLC (A)	1,327	375,634
Illumina, Inc. (A)	2,563	356,872
Inotiv, Inc. (A)	420	1,541
IQVIA Holdings, Inc. (A)	2,760	638,609

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
Maravai LifeSciences Holdings, Inc., Class A (A)	2,206	\$ 14,449
MaxCyte, Inc. (A)	54	254
Medpace Holdings, Inc. (A)	514	157,556
Mesa Laboratories, Inc.	96	10,058
Mettler-Toledo International, Inc. (A)	324	392,999
NanoString Technologies, Inc. (A)	769	576
Nautilus Biotechnology, Inc. (A)	1,576	4,712
OmniAb, Inc. (A)	1,514	9,341
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	36,660
Personalis, Inc. (A)	1,303	2,736
Quanterix Corp. (A)	563	15,392
Quantum-Si, Inc. (A)(B)	1,805	3,628
Repligen Corp. (A)	915	164,517
Revvity, Inc.	2,043	223,320
Seer, Inc. (A)	912	1,769
SomaLogic, Inc. (A)	2,875	7,274
Sotera Health Company (A)	4,736	79,802
Standard BioTools, Inc. (A)	1,624	3,589
Thermo Fisher Scientific, Inc.	5,968	3,167,755
Waters Corp. (A)	952	313,427
West Pharmaceutical Services, Inc.	1,123	395,431
		10,857,007
Pharmaceuticals – 3.2%		
Aclaris Therapeutics, Inc. (A)	1,042	1,094
Alexza Pharmaceuticals, Inc. (A)(C)	2,067	72
Amneal Pharmaceuticals, Inc. (A)	3,150	19,121
Amphastar Pharmaceuticals, Inc. (A)	893	55,232
Amylyx Pharmaceuticals, Inc. (A)	1,066	15,692
AN2 Therapeutics, Inc. (A)	304	6,229
ANI Pharmaceuticals, Inc. (A)	272	14,998
Aquestive Therapeutics, Inc. (A)	295	596
Arvinas, Inc. (A)	867	35,686
Assertio Holdings, Inc. (A)	1,092	1,168
Atea Pharmaceuticals, Inc. (A)	1,534	4,679
Athira Pharma, Inc. (A)	1,185	2,880
Axsome Therapeutics, Inc. (A)	668	53,166
Biote Corp., Class A (A)	50	247
Bristol-Myers Squibb Company	32,328	1,658,750
Cara Therapeutics, Inc. (A)	906	673
Cassava Sciences, Inc. (A)(B)	678	15,262
Catalent, Inc. (A)	2,967	133,307
CinCor Pharma, Inc. (A)(C)	708	2,166
Cognition Therapeutics, Inc. (A)	866	1,602
Collegium Pharmaceutical, Inc. (A)	620	19,084
Corcept Therapeutics, Inc. (A)	1,839	59,731
CorMedix, Inc. (A)	487	1,831
CymaBay Therapeutics, Inc. (A)	1,028	24,281
Durect Corp. (A)	379	224
Edgewise Therapeutics, Inc. (A)	923	10,098
Elanco Animal Health, Inc. (A)	7,895	117,636
Eli Lilly & Company	14,701	8,569,507
Enliven Therapeutics, Inc. (A)	1,103	15,266
Eton Pharmaceuticals, Inc. (A)	259	1,134
Evolus, Inc. (A)	1,113	11,720
Eyenovia, Inc. (A)	1,231	2,560
EyePoint Pharmaceuticals, Inc. (A)	585	13,519
Fulcrum Therapeutics, Inc. (A)	1,161	7,837
Gemini Therapeutics Sub, Inc. (A)(C)	246	0
Harmony Biosciences Holdings, Inc. (A)	927	29,942
Harrow, Inc. (A)	535	5,992

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Imara, Inc. (A)(C)	411	\$ 132
Innoviva, Inc. (A)	1,280	20,531
Intra-Cellular Therapies, Inc. (A)	1,529	109,507
Jazz Pharmaceuticals PLC (A)	889	109,347
Johnson & Johnson	37,274	5,842,327
Ligand Pharmaceuticals, Inc. (A)	308	21,997
Liquidia Corp. (A)	944	11,356
Longboard Pharmaceuticals, Inc. (A)	319	1,924
Lyra Therapeutics, Inc. (A)	554	2,903
Marinus Pharmaceuticals, Inc. (A)	749	8,142
Merck & Company, Inc.	39,354	4,290,373
Mind Medicine MindMed, Inc. (A)	624	2,284
Nuvation Bio, Inc. (A)	3,157	4,767
Ocular Therapeutix, Inc. (A)	1,256	5,602
Ocuphire Pharma, Inc. (A)	241	725
Omeros Corp. (A)(B)	1,206	3,944
Opiant Pharmaceuticals, Inc. (A)(C)	87	57
Optinose, Inc. (A)	2,082	2,686
Oramed Pharmaceuticals, Inc. (A)	601	1,388
Organon & Company	3,979	57,377
Pacira BioSciences, Inc. (A)	796	26,857
Palisade Bio, Inc. (A)(C)	9,919	0
Perrigo Company PLC	2,188	70,410
Pfizer, Inc.	87,426	2,516,995
Phathom Pharmaceuticals, Inc. (A)(B)	633	5,779
Phibro Animal Health Corp., Class A	463	5,362
Pliant Therapeutics, Inc. (A)	781	14,144
Prestige Consumer Healthcare, Inc. (A)	755	46,221
Prevail Therapeutics, Inc. (A)(C)	788	1,516
ProPhase Labs, Inc. (A)	128	579
Rani Therapeutics Holdings, Inc., Class A (A)	594	1,972
Relmada Therapeutics, Inc. (A)	448	1,855
Revance Therapeutics, Inc. (A)	1,298	11,409
Reviva Pharmaceuticals Holdings, Inc. (A)	246	1,267
Royalty Pharma PLC, Class A	7,158	201,068
Scilex Holding Company (A)	1,615	3,295
scPharmaceuticals, Inc. (A)	492	3,085
SCYNEXIS, Inc. (A)	751	1,675
SIGA Technologies, Inc.	1,287	7,207
Structure Therapeutics, Inc., ADR (A)	402	16,386
Supernus Pharmaceuticals, Inc. (A)	932	26,972
Tarsus Pharmaceuticals, Inc. (A)	380	7,695
Terns Pharmaceuticals, Inc. (A)	3,374	21,897
TherapeuticsMD, Inc. (A)	165	371
Theseus Pharmaceuticals, Inc. (A)	652	2,641
Third Harmonic Bio, Inc. (A)	270	2,962
Tilray Brands, Inc. (A)(B)	9,449	21,733
Tobira Therapeutics, Inc. (A)(C)	609	0
Trevi Therapeutics, Inc. (A)	838	1,123
Ventyx Biosciences, Inc. (A)	911	2,250
Verrica Pharmaceuticals, Inc. (A)(B)	866	6,339
Viatrix, Inc.	17,648	191,128
Xeris Biopharma Holdings, Inc. (A)	3,057	7,184
Zevra Therapeutics, Inc. (A)	290	1,900
Zoetis, Inc.	7,057	1,392,840
		<u>26,034,468</u>
		<u>94,537,896</u>
Industrials – 9.3%		
Aerospace and defense – 1.5%		
AAR Corp. (A)	646	40,310
AeroVironment, Inc. (A)	442	55,710
AerSale Corp. (A)	752	9,547
Archer Aviation, Inc., Class A (A)(B)	3,543	21,754
Astronics Corp. (A)	623	10,853

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Aerospace and defense (continued)		
Axon Enterprise, Inc. (A)	1,177	\$ 304,054
BWX Technologies, Inc.	1,487	114,098
Byrna Technologies, Inc. (A)	79	505
Cadre Holdings, Inc.	486	15,985
Curtiss-Wright Corp.	627	139,689
Ducommun, Inc. (A)	264	13,744
General Dynamics Corp.	4,254	1,104,636
HEICO Corp.	886	158,479
HEICO Corp., Class A	1,335	190,157
Hexcel Corp.	1,407	103,766
Howmet Aerospace, Inc.	6,131	331,810
Huntington Ingalls Industries, Inc.	545	141,504
Kaman Corp.	551	13,196
Kratos Defense & Security Solutions, Inc. (A)	2,288	46,424
L3Harris Technologies, Inc.	2,882	607,007
Leonardo DRS, Inc. (A)	3,166	63,447
Lockheed Martin Corp.	3,911	1,772,622
Mercury Systems, Inc. (A)	964	35,253
Moog, Inc., Class A	507	73,403
National Presto Industries, Inc.	159	12,765
Northrop Grumman Corp.	2,341	1,095,916
Park Aerospace Corp.	423	6,218
Redwire Corp. (A)	1,008	2,873
Rocket Lab USA, Inc. (A)(B)	7,533	41,657
RTX Corp.	22,533	1,895,927
Spirit AeroSystems Holdings, Inc., Class A (A)	1,758	55,869
Textron, Inc.	2,867	230,564
The Boeing Company (A)	9,304	2,425,181
TransDigm Group, Inc.	849	858,848
Triumph Group, Inc. (A)	1,030	17,077
V2X, Inc. (A)	395	18,344
Virgin Galactic Holdings, Inc. (A)	4,158	10,187
Woodward, Inc.	989	134,633
		<u>12,174,012</u>
Air freight and logistics – 0.4%		
Air T, Inc. (A)	8	132
Air Transport Services Group, Inc. (A)	1,275	22,453
CH Robinson Worldwide, Inc.	1,891	163,363
Expeditors International of Washington, Inc.	2,113	268,774
FedEx Corp.	3,932	994,678
Forward Air Corp.	458	28,794
GXO Logistics, Inc. (A)	1,949	119,201
Hub Group, Inc., Class A (A)	546	50,199
United Parcel Service, Inc., Class B	11,060	1,738,964
		<u>3,386,558</u>
Building products – 0.7%		
A.O. Smith Corp.	2,049	168,920
AAON, Inc.	1,365	100,833
Advanced Drainage Systems, Inc.	1,175	165,252
Allegion PLC	1,244	157,602
American Woodmark Corp. (A)	296	27,484
Apogee Enterprises, Inc.	449	23,981
Armstrong World Industries, Inc.	763	75,018
AZZ, Inc.	475	27,593
Builders FirstSource, Inc. (A)	1,907	318,355
Carlisle Companies, Inc.	805	251,506
Carrier Global Corp.	12,939	743,346
CSW Industrials, Inc.	278	57,660
Fortune Brands Innovations, Inc.	2,089	159,056
Gibraltar Industries, Inc. (A)	573	45,256
Griffon Corp.	992	60,462
Hayward Holdings, Inc. (A)	3,667	49,871

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Building products (continued)		
Insteel Industries, Inc.	385	\$ 14,742
Janus International Group, Inc. (A)	1,981	25,852
JELD-WEN Holding, Inc. (A)	1,496	28,244
Johnson Controls International PLC	10,468	603,376
Lennox International, Inc.	530	237,186
Masco Corp.	3,042	203,753
Masterbrand, Inc. (A)	2,215	32,893
Owens Corning	1,221	180,989
PGT Innovations, Inc. (A)	1,094	44,526
Quanex Building Products Corp.	554	16,936
Resideo Technologies, Inc. (A)	2,453	46,165
Simpson Manufacturing Company, Inc.	724	143,338
The AZEK Company, Inc. (A)	2,505	95,816
Trane Technologies PLC	3,556	867,308
Trex Company, Inc. (A)	1,837	152,085
UFP Industries, Inc.	704	88,387
View, Inc. (A)	56	204
Zurn Elkay Water Solutions Corp.	2,540	74,701
		5,288,696
Commercial services and supplies – 0.7%		
ABM Industries, Inc.	1,114	49,941
ACCO Brands Corp.	1,727	10,500
ACV Auctions, Inc., Class A (A)	1,990	30,149
Aris Water Solutions, Inc., Class A	321	2,693
Brady Corp., Class A	813	47,715
BrightView Holdings, Inc. (A)	1,734	14,600
Casella Waste Systems, Inc., Class A (A)	868	74,179
CECO Environmental Corp. (A)	691	14,013
Cimpress PLC (A)	284	22,734
Cintas Corp.	1,583	954,011
Civeo Corp.	151	3,450
Clean Harbors, Inc. (A)	897	156,535
Copart, Inc. (A)	14,890	729,610
CoreCivic, Inc. (A)	2,098	30,484
Deluxe Corp.	765	16,409
Driven Brands Holdings, Inc. (A)	2,702	38,531
Ennis, Inc.	447	9,794
Enviri Corp. (A)	1,442	12,978
Healthcare Services Group, Inc. (A)	1,315	13,637
HNI Corp.	821	34,342
Interface, Inc.	1,138	14,362
Liquidity Services, Inc. (A)	635	10,928
Matthews International Corp., Class A	551	20,194
MillerKnoll, Inc.	1,294	34,524
Montrose Environmental Group, Inc. (A)	455	14,619
MSA Safety, Inc.	647	109,233
NL Industries, Inc.	1,028	5,767
OPENLANE, Inc. (A)	1,993	29,516
Performant Financial Corp. (A)	662	2,069
Pitney Bowes, Inc.	3,034	13,350
Quad/Graphics, Inc. (A)	985	5,339
Quest Resource Holding Corp. (A)	138	1,012
RB Global, Inc.	421	28,161
Republic Services, Inc.	5,065	835,269
Rollins, Inc.	7,982	348,574
SP Plus Corp. (A)	371	19,014
Steelcase, Inc., Class A	1,640	22,173
Stericycle, Inc. (A)	1,551	76,868
Tetra Tech, Inc.	873	145,730
The Brink's Company	790	69,481
The GEO Group, Inc. (A)	2,079	22,516
UniFirst Corp.	249	45,545
Veralto Corp.	3,923	322,706
Vestis Corp.	2,128	44,986
Viad Corp. (A)	380	13,756

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
VSE Corp.	270	\$ 17,445
Waste Management, Inc.	6,386	1,143,733
		5,683,175
Construction and engineering – 0.2%		
AECOM	2,240	207,043
Ameresco, Inc., Class A (A)	584	18,495
API Group Corp. (A)	3,703	128,124
Arcosa, Inc.	836	69,087
Argan, Inc.	313	14,645
Bowman Consulting Group, Ltd. (A)	110	3,907
Comfort Systems USA, Inc.	610	125,459
Concrete Pumping Holdings, Inc. (A)	615	5,043
Construction Partners, Inc., Class A (A)	756	32,901
Dycom Industries, Inc. (A)	494	56,854
EMCOR Group, Inc.	654	140,891
Fluor Corp. (A)	2,369	92,794
Granite Construction, Inc.	774	39,366
Great Lakes Dredge & Dock Corp. (A)	1,412	10,844
IES Holdings, Inc. (A)	429	33,985
Innovate Corp. (A)(B)	1,028	1,264
Limbach Holdings, Inc. (A)	117	5,320
MasTec, Inc. (A)	1,285	97,300
Matrix Service Company (A)	663	6,484
MDU Resources Group, Inc.	3,261	64,568
MYR Group, Inc. (A)	310	44,835
Northwest Pipe Company (A)	240	7,262
Primoris Services Corp.	1,003	33,310
Quanta Services, Inc.	2,145	462,891
Sterling Infrastructure, Inc. (A)	579	50,911
Tutor Perini Corp. (A)	1,033	9,400
Valmont Industries, Inc.	334	77,992
WillScot Mobile Mini Holdings Corp. (A)	3,453	153,659
		1,994,634
Electrical equipment – 0.7%		
Acuity Brands, Inc.	522	106,921
Allient, Inc.	303	9,154
American Superconductor Corp. (A)	626	6,974
AMETEK, Inc.	3,501	577,280
Amprion Technologies, Inc. (A)(B)	3,266	17,277
Array Technologies, Inc. (A)	2,420	40,656
Atkore, Inc. (A)	539	86,240
Babcock & Wilcox Enterprises, Inc. (A)	1,297	1,894
Beam Global (A)	31	220
Blink Charging Company (A)	824	2,793
Bloom Energy Corp., Class A (A)	2,933	43,408
ChargePoint Holdings, Inc. (A)(B)	5,450	12,753
Eaton Corp. PLC	6,130	1,476,227
Emerson Electric Company	8,834	859,813
Encore Wire Corp.	319	68,138
Energy Vault Holdings, Inc. (A)	2,063	4,807
EnerSys	698	70,470
Enovix Corp. (A)(B)	2,531	31,688
Eos Energy Enterprises, Inc. (A)(B)	7,314	7,972
ESS Tech, Inc. (A)	2,241	2,555
Fluence Energy, Inc. (A)	1,920	45,792
Flux Power Holdings, Inc. (A)	105	432
FTC Solar, Inc. (A)	1,558	1,079
FuelCell Energy, Inc. (A)	6,492	10,387
Generac Holdings, Inc. (A)	1,029	132,988
GrafTech International, Ltd.	4,159	9,108
Hubbell, Inc.	867	285,182
Ideal Power, Inc. (A)	47	365
LSI Industries, Inc.	323	4,548
NEXTracker, Inc., Class A (A)	413	19,349
NuScale Power Corp. (A)	825	2,714

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
nVent Electric PLC	2,720	\$ 160,725
Plug Power, Inc. (A)(B)	9,539	42,926
Powell Industries, Inc.	245	21,658
Preformed Line Products Company	95	12,717
Regal Rexnord Corp.	1,090	161,342
Rockwell Automation, Inc.	1,739	539,925
Sensata Technologies Holding PLC	2,476	93,023
SES AI Corp. (A)	4,593	8,405
Shoals Technologies Group, Inc., Class A (A)	1,878	29,184
SKYYX Platforms Corp. (A)	662	1,059
Stem, Inc. (A)(B)	2,447	9,494
SunPower Corp. (A)(B)	2,885	13,935
Sunrun, Inc. (A)	3,514	68,980
Thermon Group Holdings, Inc. (A)	624	20,324
Tigo Energy, Inc. (A)	1,950	4,076
TPI Composites, Inc. (A)(B)	773	3,200
Vertiv Holdings Company, Class A	6,050	290,582
Vicor Corp. (A)	554	24,897
		5,445,636
Ground transportation – 1.1%		
ArcBest Corp.	422	50,729
Avis Budget Group, Inc.	563	99,797
Covenant Logistics Group, Inc.	203	9,346
CSX Corp.	31,020	1,075,463
Daseke, Inc. (A)	1,184	9,590
FTAI Infrastructure, Inc.	1,753	6,819
Heartland Express, Inc.	1,446	20,620
Hertz Global Holdings, Inc. (A)	5,240	54,444
JB Hunt Transport Services, Inc.	1,547	308,998
Knight-Swift Transportation Holdings, Inc.	2,626	151,389
Landstar System, Inc.	442	85,593
Lyft, Inc., Class A (A)	5,711	85,608
Marten Transport, Ltd.	1,419	29,771
Norfolk Southern Corp.	3,491	825,203
Old Dominion Freight Line, Inc.	1,680	680,954
PAM Transportation Services, Inc. (A)	403	8,374
RXO, Inc. (A)	1,938	45,078
Ryder System, Inc.	650	74,789
Saia, Inc. (A)	394	172,659
Schneider National, Inc., Class B	1,620	41,229
TuSimple Holdings, Inc., Class A (A)	3,576	3,139
Uber Technologies, Inc. (A)	31,535	1,941,610
U-Haul Holding Company (A)	326	23,407
U-Haul Holding Company, Series N	2,763	194,626
Union Pacific Corp.	9,467	2,325,285
Universal Logistics Holdings, Inc.	464	13,001
Werner Enterprises, Inc.	858	36,353
XPO, Inc. (A)	1,907	167,034
		8,540,908
Industrial conglomerates – 0.7%		
3M Company	8,310	908,449
General Electric Company	16,849	2,150,438
Honeywell International, Inc.	10,316	2,163,368
		5,222,255
Machinery – 1.8%		
3D Systems Corp. (A)	2,231	14,167
AGCO Corp.	1,074	130,394
Alamo Group, Inc.	213	44,770
Albany International Corp., Class A	524	51,467
Allison Transmission Holdings, Inc.	720	41,868
Astec Industries, Inc.	412	15,326
Barnes Group, Inc.	889	29,008
Blue Bird Corp. (A)	93	2,507

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Caterpillar, Inc.	7,886	\$ 2,331,654
Chart Industries, Inc. (A)	609	83,025
Columbus McKinnon Corp.	532	20,759
Commercial Vehicle Group, Inc. (A)	752	5,272
Crane Company	950	112,233
Cummins, Inc.	2,153	515,794
Deere & Company	4,470	1,787,419
Desktop Metal, Inc., Class A (A)	4,586	3,444
Donaldson Company, Inc.	1,989	129,981
Douglas Dynamics, Inc.	425	12,614
Dover Corp.	1,965	302,237
Energy Recovery, Inc. (A)	1,056	19,895
Enerpac Tool Group Corp.	1,011	31,432
Enpro, Inc.	363	56,897
Esab Corp.	892	77,265
ESCO Technologies, Inc.	443	51,844
Federal Signal Corp.	1,034	79,349
Flowserve Corp.	2,207	90,973
Fortive Corp.	5,218	384,201
Franklin Electric Company, Inc.	783	75,677
Gates Industrial Corp. PLC (A)	4,677	62,765
Gencor Industries, Inc. (A)	339	5,471
Graco, Inc.	2,737	237,462
Graham Corp. (A)	310	5,881
Helios Technologies, Inc.	569	25,804
Hillenbrand, Inc.	1,194	57,133
Hillman Solutions Corp. (A)	2,839	26,147
Hurco Companies, Inc.	183	3,940
Hydrofarm Holdings Group, Inc. (A)	633	581
Hyster-Yale Materials Handling, Inc.	272	16,916
Hyzon Motors, Inc. (A)(B)	3,912	3,501
IDEX Corp.	1,112	241,426
Illinois Tool Works, Inc.	4,664	1,221,688
Ingersoll Rand, Inc.	6,040	467,134
ITT, Inc.	1,115	133,042
John Bean Technologies Corp.	542	53,902
Kadant, Inc.	210	58,865
Kennametal, Inc.	1,405	36,235
LB Foster Company, Class A (A)	298	6,553
Lincoln Electric Holdings, Inc.	770	167,444
Lindsay Corp.	190	24,540
Mayville Engineering Company, Inc. (A)	441	6,359
Microvast Holdings, Inc. (A)(B)	5,831	8,163
Miller Industries, Inc.	293	12,391
Mueller Industries, Inc.	1,664	78,458
Mueller Water Products, Inc., Class A	2,820	40,608
Nikola Corp. (A)	17,475	15,287
NN, Inc. (A)	766	3,064
Nordson Corp.	841	222,159
Omega Flex, Inc.	199	14,031
Oshkosh Corp.	1,051	113,939
Otis Worldwide Corp.	6,253	559,456
PACCAR, Inc.	8,169	797,703
Parker-Hannifin Corp.	1,938	892,837
Park-Ohio Holdings Corp.	316	8,519
Proto Labs, Inc. (A)	501	19,519
RBC Bearings, Inc. (A)	483	137,602
REV Group, Inc.	1,120	20,350
Snap-on, Inc.	835	241,181
SPX Technologies, Inc. (A)	785	79,293
Standex International Corp.	223	35,319
Stanley Black & Decker, Inc.	2,446	239,953
Stratsys, Ltd. (A)	282	4,027
Symbotic, Inc. (A)(B)	872	44,760
Tennant Company	359	33,276

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Terex Corp.	1,130	\$ 64,930
The Gorman-Rupp Company	562	19,968
The Greenbrier Companies, Inc.	566	25,006
The Manitowoc Company, Inc. (A)	748	12,484
The Middleby Corp. (A)	872	128,332
The Shyft Group, Inc.	664	8,114
The Timken Company	1,188	95,218
The Toro Company	1,675	160,783
Titan International, Inc. (A)	1,133	16,859
Trinity Industries, Inc.	1,368	36,375
Twin Disc, Inc.	63	1,018
Velo3D, Inc. (A)(B)	2,999	1,192
Wabash National Corp.	849	21,751
Wabtec Corp.	2,644	335,524
Watts Water Technologies, Inc., Class A	461	96,045
Xylem, Inc.	3,864	441,887
		14,451,642
Marine transportation – 0.0%		
Eagle Bulk Shipping, Inc.	242	13,407
Kirby Corp. (A)	1,000	78,480
Matson, Inc.	621	68,062
		159,949
Passenger airlines – 0.2%		
Alaska Air Group, Inc. (A)	2,028	79,234
Allegiant Travel Company	324	26,766
American Airlines Group, Inc. (A)	10,509	144,394
Blade Air Mobility, Inc. (A)	670	2,365
Delta Air Lines, Inc.	9,168	368,829
Frontier Group Holdings, Inc. (A)	3,341	18,242
Hawaiian Holdings, Inc. (A)	993	14,101
JetBlue Airways Corp. (A)	5,595	31,052
Joby Aviation, Inc. (A)(B)	10,208	67,883
SkyWest, Inc. (A)	997	52,043
Southwest Airlines Company	9,541	275,544
Spirit Airlines, Inc. (B)	1,571	25,749
Sun Country Airlines Holdings, Inc. (A)	754	11,860
United Airlines Holdings, Inc. (A)	5,225	215,584
Wheels Up Experience, Inc. (A)	347	1,190
		1,334,836
Professional services – 0.9%		
Alight, Inc., Class A (A)	7,207	61,476
ASGN, Inc. (A)	823	79,148
Asure Software, Inc. (A)	122	1,161
Automatic Data Processing, Inc.	6,435	1,499,162
Barrett Business Services, Inc.	138	15,980
Booz Allen Hamilton Holding Corp.	1,959	250,576
Broadridge Financial Solutions, Inc.	1,826	375,700
CACI International, Inc., Class A (A)	337	109,141
CBIZ, Inc. (A)	893	55,893
Ceridian HCM Holding, Inc. (A)	2,524	169,411
Concentrix Corp.	847	83,184
Conduent, Inc. (A)	3,930	14,345
CRA International, Inc.	128	12,653
CSG Systems International, Inc.	542	28,840
Dun & Bradstreet Holdings, Inc.	7,238	84,685
Equifax, Inc.	1,853	458,228
EXL Service Holdings, Inc. (A)	2,730	84,221
Exponent, Inc.	844	74,306
First Advantage Corp.	2,298	38,078
FiscalNote Holdings, Inc. (A)	1,892	2,157
Forrester Research, Inc. (A)	350	9,384
Franklin Covey Company (A)	263	11,448
FTI Consulting, Inc. (A)	525	104,554
Genpact, Ltd.	2,921	101,388

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Heidrick & Struggles International, Inc.	391	\$ 11,546
HireQuest, Inc.	58	890
HireRight Holdings Corp. (A)	1,195	16,073
Huron Consulting Group, Inc. (A)	355	36,494
IBEX Holdings, Ltd. (A)	196	3,726
ICF International, Inc.	314	42,104
Innodata, Inc. (A)	187	1,522
Insperty, Inc.	634	74,317
Jacobs Solutions, Inc.	1,896	246,101
KBR, Inc.	1,968	109,047
Kelly Services, Inc., Class A	696	15,048
Kforce, Inc.	374	25,267
Korn Ferry	900	53,415
Legalzoom.com, Inc. (A)	3,194	36,092
Leidos Holdings, Inc.	2,171	234,989
ManpowerGroup, Inc.	822	65,324
Maximus, Inc.	1,004	84,195
Mistras Group, Inc. (A)	754	5,519
Parsons Corp. (A)	1,719	107,798
Paychex, Inc.	5,572	663,681
Paycom Software, Inc.	984	203,412
Paycor HCM, Inc. (A)	2,922	63,086
Paylocity Holding Corp. (A)	910	150,014
Planet Labs PBC (A)	3,837	9,477
RCM Technologies, Inc. (A)	29	842
Resources Connection, Inc.	615	8,715
Robert Half, Inc.	1,753	154,124
Science Applications International Corp.	855	106,294
Spire Global, Inc. (A)	258	2,018
SS&C Technologies Holdings, Inc.	3,612	220,729
Sterling Check Corp. (A)	1,501	20,894
TaskUS, Inc., Class A (A)	505	6,600
TransUnion	2,829	194,381
TriNet Group, Inc. (A)	992	117,979
TrueBlue, Inc. (A)	614	9,419
TTEC Holdings, Inc.	804	17,423
Upwork, Inc. (A)	2,209	32,848
Verisk Analytics, Inc.	2,239	534,808
Verra Mobility Corp. (A)	2,598	59,832
Willdan Group, Inc. (A)	264	5,676
		7,476,838
Trading companies and distributors – 0.4%		
Air Lease Corp.	1,729	72,514
Alta Equipment Group, Inc.	306	3,785
Applied Industrial Technologies, Inc.	635	109,658
Beacon Roofing Supply, Inc. (A)	1,079	93,895
BlueLinX Holdings, Inc. (A)	113	12,804
Boise Cascade Company	525	67,914
Core & Main, Inc., Class A (A)	2,900	117,189
Custom Truck One Source, Inc. (A)	1,299	8,028
Distribution Solutions Group, Inc. (A)	540	17,042
DXP Enterprises, Inc. (A)	379	12,772
EVI Industries, Inc.	239	5,671
Fastenal Company	8,635	559,289
GATX Corp.	566	68,045
Global Industrial, Inc.	669	25,984
GMS, Inc. (A)	735	60,586
H&E Equipment Services, Inc.	629	32,909
Herc Holdings, Inc.	492	73,254
Hudson Technologies, Inc. (A)	536	7,231
Karat Packaging, Inc.	141	3,504
McGrath RentCorp	425	50,839
MRC Global, Inc. (A)	1,509	16,614
MSC Industrial Direct Company, Inc., Class A	328	33,213

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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)		
NOW, Inc. (A)	1,992	\$ 22,549
Rush Enterprises, Inc., Class A	1,090	54,827
SiteOne Landscape Supply, Inc. (A)	749	121,713
Textainer Group Holdings, Ltd.	594	29,225
Titan Machinery, Inc. (A)	402	11,610
United Rentals, Inc.	1,022	586,035
W.W. Grainger, Inc.	771	638,920
Watsco, Inc.	541	231,802
WESCO International, Inc.	840	146,059
Willis Lease Finance Corp. (A)	25	1,222
Xometry, Inc., Class A (A)	675	24,239
		3,320,941
		74,480,080
Information technology – 25.4%		
Communications equipment – 0.7%		
ADTRAN Holdings, Inc.	1,059	7,773
Applied Optoelectronics, Inc. (A)	524	10,124
Arista Networks, Inc. (A)	4,965	1,169,307
Aviat Networks, Inc. (A)	36	1,176
Calix, Inc. (A)	1,082	47,273
Cambium Networks Corp. (A)	513	3,078
Ciena Corp. (A)	2,413	108,609
Cisco Systems, Inc.	63,487	3,207,363
Clearfield, Inc. (A)	239	6,950
CommScope Holding Company, Inc. (A)	3,501	9,873
Comtech Telecommunications Corp.	548	4,620
Digi International, Inc. (A)	613	15,938
DZS, Inc. (A)	566	1,115
Extreme Networks, Inc. (A)	2,202	38,843
F5, Inc. (A)	874	156,429
Harmonic, Inc. (A)	1,827	23,824
Infinera Corp. (A)	3,517	16,706
Juniper Networks, Inc.	5,200	153,296
KVH Industries, Inc. (A)	504	2,651
Lantronix, Inc. (A)	337	1,975
Lumentum Holdings, Inc. (A)	1,134	59,444
Motorola Solutions, Inc.	2,632	824,053
NETGEAR, Inc. (A)	540	7,873
NetScout Systems, Inc. (A)	1,205	26,450
Powerwave Technologies, Inc. (A)(C)	912	0
Ribbon Communications, Inc. (A)	2,627	7,618
Ubiquiti, Inc.	139	19,399
Viasat, Inc. (A)	1,275	35,636
Viavi Solutions, Inc. (A)	3,860	38,870
		6,006,266
Electronic equipment, instruments and components – 0.7%		
908 Devices, Inc. (A)	445	4,993
Advanced Energy Industries, Inc.	629	68,511
Amphenol Corp., Class A	9,089	900,993
Arlo Technologies, Inc. (A)	1,497	14,251
Arrow Electronics, Inc. (A)	851	104,035
Avnet, Inc.	1,539	77,566
Badger Meter, Inc.	491	75,796
Bel Fuse, Inc., Class B	224	14,956
Belden, Inc.	729	56,315
Benchmark Electronics, Inc.	648	17,911
CDW Corp.	2,054	466,915
Cepton, Inc. (A)	230	722
Cognex Corp.	2,845	118,750
Coherent Corp. (A)	2,173	94,591
Corning, Inc.	13,632	415,094
Crane NXT Company	950	54,027
CTS Corp.	560	24,494
Daktronics, Inc. (A)	1,227	10,405

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
ePlus, Inc. (A)	342	\$ 27,305
Evolv Technologies Holdings, Inc. (A)(B)	2,210	10,431
Fabrinet (A)	81	15,417
FARO Technologies, Inc. (A)	367	8,269
Flex, Ltd. (A)	6,522	198,660
Identiv, Inc. (A)	146	1,203
Insight Enterprises, Inc. (A)	564	99,935
IPG Photonics Corp. (A)	774	84,010
Iteris, Inc. (A)	1,032	5,366
Itron, Inc. (A)	770	58,143
Jabil, Inc.	1,946	247,920
Keysight Technologies, Inc. (A)	2,880	458,179
Kimball Electronics, Inc. (A)	462	12,451
Knowles Corp. (A)	1,589	28,459
Lightwave Logic, Inc. (A)	991	4,935
Littelfuse, Inc.	406	108,629
Luna Innovations, Inc. (A)	333	2,214
Methode Electronics, Inc.	649	14,752
MicroVision, Inc. (A)(B)	2,624	6,980
Mirion Technologies, Inc. (A)	2,986	30,607
Napco Security Technologies, Inc.	650	22,263
nLight, Inc. (A)	848	11,448
Novanta, Inc. (A)	593	99,867
OSI Systems, Inc. (A)	287	37,037
Ouster, Inc. (A)	537	4,119
PAR Technology Corp. (A)	404	17,590
PC Connection, Inc.	492	33,067
Plexus Corp. (A)	440	47,577
Powerfleet, Inc. (A)	304	1,040
Presto Automation, Inc. (A)	414	220
Richardson Electronics, Ltd.	77	1,028
Rogers Corp. (A)	310	40,942
Sanmina Corp. (A)	855	43,921
ScanSource, Inc. (A)	460	18,221
SmartRent, Inc. (A)	2,850	9,092
TD SYNEX Corp.	1,563	168,194
Teledyne Technologies, Inc. (A)	767	342,304
Trimble, Inc. (A)	4,027	214,236
TTM Technologies, Inc. (A)	1,778	28,110
Vishay Intertechnology, Inc.	2,027	48,587
Vishay Precision Group, Inc. (A)	247	8,415
Vontier Corp.	2,563	88,552
Vuzix Corp. (A)	549	1,145
Wrap Technologies, Inc. (A)	210	651
Zebra Technologies Corp., Class A (A)	838	229,051
		5,460,867
IT services – 1.4%		
Accenture PLC, Class A	10,309	3,617,531
Akamai Technologies, Inc. (A)	2,272	268,891
Amdocs, Ltd.	1,737	152,665
Applied Digital Corp. (A)(B)	1,358	9,153
Backblaze, Inc., Class A (A)	179	1,359
BigCommerce Holdings, Inc., Series 1 (A)	1,168	11,365
Brightcove, Inc. (A)	902	2,336
Cloudflare, Inc., Class A (A)	4,654	387,492
Cognizant Technology Solutions Corp., Class A	7,705	581,959
Couchbase, Inc. (A)	674	15,178
DigitalOcean Holdings, Inc. (A)	1,622	59,511
DXC Technology Company (A)	3,794	86,769
EPAM Systems, Inc. (A)	939	279,202
Fastly, Inc., Class A (A)	1,995	35,511
Gartner, Inc. (A)	1,213	547,196
GoDaddy, Inc., Class A (A)	2,188	232,278

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Grid Dynamics Holdings, Inc. (A)	1,067	\$ 14,223
IBM Corp.	14,141	2,312,761
Information Services Group, Inc.	1,038	4,889
Kyndryl Holdings, Inc. (A)	3,641	75,660
MongoDB, Inc. (A)	1,119	457,503
Okta, Inc. (A)	2,498	226,144
Perficient, Inc. (A)	584	38,439
Rackspace Technology, Inc. (A)	3,379	6,758
Snowflake, Inc., Class A (A)	5,225	1,039,775
Squarespace, Inc., Class A (A)	1,525	50,340
The Glimpse Group, Inc. (A)	48	54
The Hackett Group, Inc.	589	13,412
Thoughtworks Holding, Inc. (A)	5,068	24,377
Twilio, Inc., Class A (A)	2,857	216,761
Unisys Corp. (A)	1,317	7,402
VeriSign, Inc. (A)	1,228	252,919
		11,029,813
Semiconductors and semiconductor equipment – 6.5%		
ACM Research, Inc., Class A (A)	1,003	19,599
Advanced Micro Devices, Inc. (A)	24,914	3,672,573
Aehr Test Systems (A)	421	11,169
Allegro MicroSystems, Inc. (A)	3,168	95,895
Alpha & Omega Semiconductor, Ltd. (A)	487	12,691
Ambarella, Inc. (A)	642	39,348
Amkor Technology, Inc.	4,019	133,712
Analog Devices, Inc.	7,830	1,554,725
Applied Materials, Inc.	12,846	2,081,951
Atomeria, Inc. (A)	385	2,699
Axcelis Technologies, Inc. (A)	550	71,330
AXT, Inc. (A)	287	689
Broadcom, Inc.	6,388	7,130,605
CEVA, Inc. (A)	442	10,038
Cirrus Logic, Inc. (A)	781	64,971
Cohu, Inc. (A)	842	29,798
Credo Technology Group Holding, Ltd. (A)	1,437	27,978
Diodes, Inc. (A)	757	60,954
Enphase Energy, Inc. (A)	2,217	292,954
Entegris, Inc.	2,431	291,282
Everspin Technologies, Inc. (A)	78	705
First Solar, Inc. (A)	1,735	298,906
FormFactor, Inc. (A)	1,299	54,181
GlobalFoundries, Inc. (A)(B)	8,474	513,524
Ichor Holdings, Ltd. (A)	384	12,914
Impinj, Inc. (A)	423	38,083
Indie Semiconductor, Inc., Class A (A)	1,150	9,327
Intel Corp.	64,653	3,248,813
KLA Corp.	2,084	1,211,429
Kopin Corp. (A)	1,136	2,306
Kulicke & Soffa Industries, Inc.	961	52,586
Lam Research Corp.	2,032	1,591,584
Lattice Semiconductor Corp. (A)	2,248	155,090
MACOM Technology Solutions Holdings, Inc. (A)	1,158	107,636
Marvell Technology, Inc.	13,097	789,880
MaxLinear, Inc. (A)	1,322	31,424
Microchip Technology, Inc.	8,321	750,388
Micron Technology, Inc.	16,875	1,440,113
MKS Instruments, Inc.	1,042	107,191
Monolithic Power Systems, Inc.	764	481,916
Navitas Semiconductor Corp. (A)	1,917	15,470
NVE Corp.	86	6,745
NVIDIA Corp.	38,201	18,917,899
ON Semiconductor Corp. (A)	6,597	551,047
Onto Innovation, Inc. (A)	832	127,213
PDF Solutions, Inc. (A)	654	21,020

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Photronics, Inc. (A)	1,065	\$ 33,409
Power Integrations, Inc.	950	78,005
Qorvo, Inc. (A)	1,362	153,375
Qualcomm, Inc.	17,281	2,499,351
Rambus, Inc. (A)	1,809	123,464
Semtech Corp. (A)	1,046	22,918
Silicon Laboratories, Inc. (A)	544	71,955
SiTime Corp. (A)	340	41,507
SkyWater Technology, Inc. (A)	651	6,263
Skyworks Solutions, Inc.	2,332	262,163
SMART Global Holdings, Inc. (A)	881	16,677
Synaptics, Inc. (A)	659	75,179
Teradyne, Inc.	2,224	241,348
Texas Instruments, Inc.	14,090	2,401,781
Ultra Clean Holdings, Inc. (A)	780	26,629
Universal Display Corp.	788	150,713
Veeco Instruments, Inc. (A)	900	27,927
Wolfspeed, Inc. (A)	2,039	88,717
		52,463,732
Software – 10.0%		
8x8, Inc. (A)	2,080	7,862
A10 Networks, Inc.	1,300	17,121
ACI Worldwide, Inc. (A)	1,879	57,497
Adeia, Inc.	1,869	23,157
Adobe, Inc. (A)	7,040	4,200,064
Agilysys, Inc. (A)	424	35,964
Alarm.com Holdings, Inc. (A)	836	54,022
Alkami Technology, Inc. (A)	1,353	32,810
Altair Engineering, Inc., Class A (A)	892	75,062
Alteryx, Inc., Class A (A)	1,007	47,490
American Software, Inc., Class A	618	6,983
Amplitude, Inc., Class A (A)	1,146	14,577
ANSYS, Inc. (A)	1,305	473,558
Appfolio, Inc., Class A (A)	342	59,248
Appian Corp., Class A (A)	703	26,475
AppLovin Corp., Class A (A)	4,207	167,649
Arteris, Inc. (A)	256	1,508
Asana, Inc., Class A (A)	2,165	41,157
Aspen Technology, Inc. (A)	1,065	234,460
Atlassian Corp., Class A (A)	2,319	551,597
Aurora Innovation, Inc. (A)	12,640	55,237
Autodesk, Inc. (A)	3,247	790,580
AvePoint, Inc. (A)	2,600	21,346
Bentley Systems, Inc., Class B	4,577	238,828
BILL Holdings, Inc. (A)	1,708	139,356
Bit Digital, Inc. (A)(B)	1,535	6,493
Blackbaud, Inc. (A)	885	76,730
Blackline, Inc. (A)	994	62,065
Blender Labs, Inc., Class A (A)	3,398	8,665
Box, Inc., Class A (A)	2,356	60,337
Braze, Inc., Class A (A)	895	47,551
c3.ai, Inc., Class A (A)(B)	1,819	52,223
Cadence Design Systems, Inc. (A)	4,188	1,140,686
CCC Intelligent Solutions Holdings, Inc. (A)	9,972	113,581
Cerence, Inc. (A)	696	13,683
Cipher Mining, Inc. (A)	3,422	14,133
CleanSpark, Inc. (A)	1,249	13,776
Clear Secure, Inc., Class A	1,377	28,435
Clearwater Analytics Holdings, Inc., Class A (A)	1,001	20,050
CommVault Systems, Inc. (A)	745	59,488
Confluent, Inc., Class A (A)	2,348	54,943
Consensus Cloud Solutions, Inc. (A)	297	7,784
CoreCard Corp. (A)	182	2,517

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
CrowdStrike Holdings, Inc., Class A (A)	3,529	\$ 901,024
CS Disco, Inc. (A)	897	6,808
Datadog, Inc., Class A (A)	4,779	580,075
Digimarc Corp. (A)	294	10,619
Digital Turbine, Inc. (A)	1,591	10,914
DocuSign, Inc. (A)	3,306	196,542
Dolby Laboratories, Inc., Class A	965	83,164
Domo, Inc., Class B (A)	570	5,865
DoubleVerify Holdings, Inc. (A)	2,579	94,856
Dropbox, Inc., Class A (A)	3,482	102,649
Dynatrace, Inc. (A)	4,719	258,082
E2open Parent Holdings, Inc. (A)	4,487	19,698
Ebix, Inc. (A)	450	468
eGain Corp. (A)	659	5,489
Elastic NV (A)	1,554	175,136
Enfusion, Inc., Class A (A)	730	7,081
EngageSmart, Inc. (A)	2,600	59,540
Envestnet, Inc. (A)	921	45,608
Everbridge, Inc. (A)	671	16,312
EverCommerce, Inc. (A)	342	3,772
Expensify, Inc., Class A (A)	980	2,421
Fair Isaac Corp. (A)	371	431,848
Five9, Inc. (A)	1,163	91,516
Fortinet, Inc. (A)	12,003	702,536
Freshworks, Inc., Class A (A)	2,458	57,738
Gen Digital, Inc.	10,061	229,592
Gitlab, Inc., Class A (A)	1,439	90,599
Guidewire Software, Inc. (A)	1,368	149,167
HashiCorp, Inc., Class A (A)	1,258	29,739
HubSpot, Inc. (A)	754	437,727
Informatica, Inc., Class A (A)	3,953	112,226
Instructure Holdings, Inc. (A)	2,180	58,882
Intapp, Inc. (A)	971	36,917
InterDigital, Inc.	505	54,813
Intuit, Inc.	4,327	2,704,505
Jamf Holding Corp. (A)	1,836	33,158
JFrog, Ltd. (A)	1,675	57,972
Kaltura, Inc. (A)	1,498	2,921
LivePerson, Inc. (A)	1,279	4,847
LiveRamp Holdings, Inc. (A)	1,144	43,335
Manhattan Associates, Inc. (A)	910	195,941
Marathon Digital Holdings, Inc. (A)(B)	1,897	44,561
Matterport, Inc. (A)	4,431	11,919
MeridianLink, Inc. (A)	1,186	29,377
Microsoft Corp.	114,951	43,226,174
MicroStrategy, Inc., Class A (A)(B)	157	99,164
Mitek Systems, Inc. (A)	858	11,188
Model N, Inc. (A)	632	17,020
N-able, Inc. (A)	3,105	41,141
NCino, Inc. (A)	1,764	59,323
NCR Voyix Corp. (A)	2,282	38,589
NextNav, Inc. (A)	1,543	6,866
Nutanix, Inc., Class A (A)	3,704	176,644
Olo, Inc., Class A (A)	1,803	10,313
ON24, Inc.	546	4,302
OneSpan, Inc. (A)	743	7,965
Oracle Corp.	42,022	4,430,379
PagerDuty, Inc. (A)	1,505	34,841
Palantir Technologies, Inc., Class A (A)	32,261	553,921
Palo Alto Networks, Inc. (A)	4,712	1,389,475
Pegasystems, Inc.	1,377	67,280
PowerSchool Holdings, Inc., Class A (A)	2,696	63,518
Procore Technologies, Inc. (A)	2,210	152,976
Progress Software Corp.	725	39,368
PROS Holdings, Inc. (A)	783	30,373

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
PTC, Inc. (A)	1,786	\$ 312,479
Q2 Holdings, Inc. (A)	981	42,585
Qualys, Inc. (A)	515	101,084
Rapid7, Inc. (A)	989	56,472
Red Violet, Inc. (A)	179	3,575
Rekor Systems, Inc. (A)	1,043	3,473
Rimini Street, Inc. (A)	1,519	4,967
RingCentral, Inc., Class A (A)	1,429	48,515
Riot Platforms, Inc. (A)	2,577	39,866
Roper Technologies, Inc.	1,615	880,450
Rubicon Technologies, Inc. (A)	68	126
Salesforce, Inc. (A)	15,035	3,956,310
Samsara, Inc., Class A (A)	1,922	64,156
SecureWorks Corp., Class A (A)	542	4,000
SEMrush Holdings, Inc., Class A (A)	848	11,584
SentinelOne, Inc., Class A (A)	3,431	94,147
ServiceNow, Inc. (A)	3,144	2,221,205
Smartsheet, Inc., Class A (A)	2,165	103,530
Smith Micro Software, Inc. (A)	417	344
SolarWinds Corp. (A)	2,802	34,997
SoundHound AI, Inc., Class A (A)(B)	853	1,808
SoundThinking, Inc. (A)	239	6,104
Splunk, Inc. (A)	2,563	390,473
Sprinklr, Inc., Class A (A)	2,024	24,369
Sprout Social, Inc., Class A (A)	784	48,169
SPS Commerce, Inc. (A)	594	115,141
Synopsys, Inc. (A)	2,351	1,210,553
Telos Corp. (A)	1,050	3,833
Tenable Holdings, Inc. (A)	1,864	85,856
Teradata Corp. (A)	1,675	72,879
TeraWulf, Inc. (A)	2,656	6,374
Tyler Technologies, Inc. (A)	620	259,234
UiPath, Inc., Class A (A)	7,709	191,492
Unity Software, Inc. (A)	6,161	251,923
Upland Software, Inc. (A)	553	2,339
Varonis Systems, Inc. (A)	1,852	83,859
Verint Systems, Inc. (A)	1,108	29,949
Veritone, Inc. (A)	504	912
Vertex, Inc., Class A (A)	864	23,276
Viant Technology, Inc., Class A (A)	646	4,451
Weave Communications, Inc. (A)	969	11,114
Workday, Inc., Class A (A)	3,156	871,245
Workiva, Inc. (A)	808	82,036
Xperi, Inc. (A)	833	9,180
Yext, Inc. (A)	2,165	12,752
Zeta Global Holdings Corp., Class A (A)	2,922	25,772
Zoom Video Communications, Inc., Class A (A)	4,009	288,287
Zscaler, Inc. (A)	2,333	516,899
Zuora, Inc., Class A (A)	2,245	21,103
		80,450,774
Technology hardware, storage and peripherals – 6.1%		
Apple, Inc.	241,869	46,566,981
Corsair Gaming, Inc. (A)	1,483	20,910
CPI Card Group, Inc. (A)	153	2,936
Dell Technologies, Inc., Class C	3,929	300,569
Eastman Kodak Company (A)	845	3,296
Hewlett Packard Enterprise Company	19,334	328,291
HP, Inc.	15,083	453,847
Immersion Corp. (A)	731	5,161
Intevac, Inc. (A)	711	3,072
IonQ, Inc. (A)(B)	3,046	37,740
NetApp, Inc.	3,086	272,062
Pure Storage, Inc., Class A (A)	4,903	174,841
Seagate Technology Holdings PLC	3,331	284,367

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Technology hardware, storage and peripherals (continued)		
Super Micro Computer, Inc. (A)	872	\$ 247,875
Turtle Beach Corp. (A)	214	2,343
Western Digital Corp. (A)	5,196	272,115
Xerox Holdings Corp.	2,690	49,308
		49,025,714
		204,437,166
Materials – 2.6%		
Chemicals – 1.5%		
AdvanSix, Inc.	524	15,699
Air Products & Chemicals, Inc.	3,426	938,039
Albemarle Corp.	1,818	262,665
Alto Ingredients, Inc. (A)	1,053	2,801
American Vanguard Corp.	632	6,933
Ashland, Inc.	880	74,193
Aspen Aerogels, Inc. (A)	612	9,657
Avient Corp.	1,554	64,600
Axalta Coating Systems, Ltd. (A)	2,824	95,931
Balchem Corp.	457	67,979
Cabot Corp.	964	80,494
Celanese Corp.	1,589	246,883
CF Industries Holdings, Inc.	2,968	235,956
Core Molding Technologies, Inc. (A)	20	371
Corteva, Inc.	11,499	551,032
CVR Nitrogen LP (A)(C)	1,086	195
Danimer Scientific, Inc. (A)(B)	1,518	1,548
Dow, Inc.	10,521	576,972
DuPont de Nemours, Inc.	6,724	517,277
Eastman Chemical Company	1,613	144,880
Ecolab, Inc.	4,443	881,269
Ecovyst, Inc. (A)	2,468	24,112
Element Solutions, Inc.	3,435	79,486
Flotek Industries, Inc. (A)	154	604
FMC Corp.	1,993	125,659
Ginkgo Bioworks Holdings, Inc. (A)(B)	22,649	38,277
Hawkins, Inc.	415	29,224
HB Fuller Company	899	73,188
Huntsman Corp.	3,124	78,506
Ingevity Corp. (A)	659	31,118
Innospec, Inc.	397	48,926
International Flavors & Fragrances, Inc.	4,152	336,187
Intrepid Potash, Inc. (A)	154	3,679
Koppers Holdings, Inc.	390	19,976
Kronos Worldwide, Inc.	722	7,177
Linde PLC	7,572	3,109,896
Livent Corp. (A)(B)	2,960	53,221
LSB Industries, Inc. (A)	1,275	11,870
LyondellBasell Industries NV, Class A	4,925	468,269
Mativ Holdings, Inc.	986	15,096
Minerals Technologies, Inc.	469	33,444
NewMarket Corp.	90	49,125
Olin Corp.	2,166	116,856
Origin Materials, Inc. (A)	1,904	1,592
PPG Industries, Inc.	3,630	542,867
PureCycle Technologies, Inc. (A)(B)	2,459	9,959
Quaker Chemical Corp.	311	66,374
Rayonier Advanced Materials, Inc. (A)	1,194	4,836
RPM International, Inc.	2,026	226,162
Sensient Technologies Corp.	716	47,256
Stepan Company	227	21,463
The Chemours Company	2,430	76,642
The Mosaic Company	4,988	178,221
The Scotts Miracle-Gro Company	934	59,543
The Sherwin-Williams Company	3,977	1,240,426
Trinseo PLC	506	4,235
Tronox Holdings PLC	372	5,268

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Valhi, Inc.	518	\$ 7,868
Westlake Chemical Partners LP	369	7,989
Westlake Corp.	1,936	270,963
		12,300,934
Construction materials – 0.2%		
Eagle Materials, Inc.	600	121,704
Knife River Corp. (A)	815	53,937
Martin Marietta Materials, Inc.	899	448,520
Summit Materials, Inc., Class A (A)	2,073	79,728
United States Lime & Minerals, Inc.	114	26,260
Vulcan Materials Company	2,081	472,408
		1,202,557
Containers and packaging – 0.3%		
AptarGroup, Inc.	916	113,236
Avery Dennison Corp.	1,212	245,018
Ball Corp.	5,036	289,671
Berry Global Group, Inc.	1,659	111,800
Crown Holdings, Inc.	1,797	165,486
Graphic Packaging Holding Company	4,727	116,521
Greif, Inc., Class A	508	33,320
International Paper Company	5,573	201,464
Myers Industries, Inc.	710	13,881
O-I Glass, Inc. (A)	2,563	41,982
Packaging Corp. of America	1,337	217,811
Pactiv Evergreen, Inc.	2,656	36,414
Ranpak Holdings Corp. (A)	1,215	7,071
Sealed Air Corp.	2,299	83,959
Silgan Holdings, Inc.	1,565	70,816
Sonoco Products Company	1,175	65,647
TriMas Corp.	806	20,416
Westrock Company	4,088	169,734
		2,004,247
Metals and mining – 0.6%		
5E Advanced Materials, Inc. (A)	637	898
Alcoa Corp.	2,938	99,892
Alpha Metallurgical Resources, Inc.	227	76,935
Arch Resources, Inc.	283	46,961
ATI, Inc. (A)	2,184	99,306
Atlas Lithium Corp. (A)	503	15,734
Carpenter Technology Corp.	853	60,392
Century Aluminum Company (A)	1,672	20,298
Cleveland-Cliffs, Inc. (A)	8,469	172,937
Coeur Mining, Inc. (A)	4,942	16,111
Commercial Metals Company	1,876	93,875
Compass Minerals International, Inc.	664	16,812
Dakota Gold Corp. (A)	1,069	2,801
Freeport-McMoRan, Inc.	21,533	916,660
Gatos Silver, Inc. (A)	1,095	7,161
Haynes International, Inc.	261	14,890
Hecla Mining Company	9,827	47,268
Kaiser Aluminum Corp.	289	20,574
Materion Corp.	365	47,497
MP Materials Corp. (A)	2,977	59,093
Newmont Corp.	12,880	533,103
Nucor Corp.	3,691	642,382
Olympic Steel, Inc.	262	17,475
Pan American Silver Corp. (A)	7,232	3,724
Piedmont Lithium, Inc. (A)	286	8,074
Ramaco Resources, Inc. (A)(B)	575	9,879
Ramaco Resources, Inc., Class B	115	1,531
Reliance Steel & Aluminum Company	789	220,668
Royal Gold, Inc.	1,062	128,460
Ryerson Holding Corp.	653	22,646
Schnitzer Steel Industries, Inc., Class A	532	16,045

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Southern Copper Corp.	11,868	\$ 1,021,479
Steel Dynamics, Inc.	2,505	295,841
SunCoke Energy, Inc.	1,558	16,733
TimkenSteel Corp. (A)	841	19,721
Tredegar Corp.	821	4,442
U.S. Steel Corp.	3,684	179,227
US Gold Corp. (A)	143	608
Warrior Met Coal, Inc.	849	51,764
Worthington Steel, Inc. (A)	793	22,283
		5,052,180
Paper and forest products – 0.0%		
Clearwater Paper Corp. (A)	317	11,450
Glatfelter Corp. (A)	999	1,938
Louisiana-Pacific Corp.	1,181	83,650
Sylvamo Corp.	673	33,051
		130,089
		20,690,007
Real estate – 2.7%		
Diversified REITs – 0.1%		
Alexander & Baldwin, Inc.	1,411	26,837
American Assets Trust, Inc.	1,151	25,909
Armada Hoffer Properties, Inc.	1,229	15,203
Broadstone Net Lease, Inc.	2,365	40,725
Empire State Realty Trust, Inc., Class A	2,981	28,886
Essential Properties Realty Trust, Inc.	1,951	49,868
Gladstone Commercial Corp.	793	10,499
Global Net Lease, Inc.	3,529	35,114
One Liberty Properties, Inc.	547	11,985
Star Holdings (A)	189	2,831
WP Carey, Inc.	3,216	208,429
		456,286
Health care REITs – 0.2%		
CareTrust REIT, Inc.	1,737	38,874
Community Healthcare Trust, Inc.	472	12,574
Diversified Healthcare Trust	7,244	27,093
Global Medical REIT, Inc.	854	9,479
Healthcare Realty Trust, Inc.	6,370	109,755
Healthpeak Properties, Inc.	9,008	178,358
LTC Properties, Inc.	749	24,058
Medical Properties Trust, Inc.	10,043	49,311
National Health Investors, Inc.	787	43,954
Omega Healthcare Investors, Inc.	3,924	120,310
Physicians Realty Trust	3,981	52,987
Sabra Health Care REIT, Inc.	4,102	58,536
Universal Health Realty Income Trust	293	12,672
Ventas, Inc.	6,506	324,259
Welltower, Inc.	7,629	687,907
		1,750,127
Hotel and resort REITs – 0.1%		
Apple Hospitality REIT, Inc.	3,995	66,357
Ashford Hospitality Trust, Inc. (A)	444	861
Braemar Hotels & Resorts, Inc.	978	2,445
Chatham Lodging Trust	1,043	11,181
DiamondRock Hospitality Company	3,725	34,978
Host Hotels & Resorts, Inc.	11,886	231,420
Park Hotels & Resorts, Inc.	3,834	58,660
Pebblebrook Hotel Trust	2,310	36,914
RLJ Lodging Trust	2,896	33,941
Ryman Hospitality Properties, Inc.	930	102,356
Service Properties Trust	3,030	25,876
Summit Hotel Properties, Inc.	2,173	14,603
Sunstone Hotel Investors, Inc.	3,688	39,572

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotel and resort REITs (continued)		
Xenia Hotels & Resorts, Inc.	2,067	\$ 28,153
		687,317
Industrial REITs – 0.3%		
Americold Realty Trust, Inc.	4,289	129,828
EastGroup Properties, Inc.	741	136,003
First Industrial Realty Trust, Inc.	2,253	118,666
Industrial Logistics Properties Trust	1,490	7,003
Innovative Industrial Properties, Inc.	441	44,462
LXP Industrial Trust	4,958	49,183
Plymouth Industrial REIT, Inc.	458	11,024
Prologis, Inc.	14,333	1,910,589
Rexford Industrial Realty, Inc.	2,608	146,309
STAG Industrial, Inc.	2,912	114,325
Terreno Realty Corp.	1,329	83,288
		2,750,680
Office REITs – 0.1%		
Alexandria Real Estate Equities, Inc.	2,515	318,827
Boston Properties, Inc.	2,089	146,585
Brandywine Realty Trust	3,382	18,263
COPT Defense Properties	2,009	51,491
Cousins Properties, Inc.	2,664	64,868
Douglas Emmett, Inc.	2,995	43,428
Easterly Government Properties, Inc.	1,561	20,980
Equity Commonwealth	885	16,992
Franklin Street Properties Corp.	2,261	5,788
Highwoods Properties, Inc.	1,854	42,568
Hudson Pacific Properties, Inc.	2,615	24,346
JBG SMITH Properties	2,054	34,939
Kilroy Realty Corp.	2,018	80,397
NET Lease Office Properties	214	3,955
New York REIT Liquidating LLC (A)(C)	457	2,975
Office Properties Income Trust	1,104	8,081
Orion Office REIT, Inc.	983	5,623
Paramount Group, Inc.	4,071	21,047
Peakstone Realty Trust	834	16,622
Piedmont Office Realty Trust, Inc., Class A	2,477	17,611
SL Green Realty Corp.	769	34,736
Vornado Realty Trust	3,256	91,982
		1,072,104
Real estate management and development – 0.2%		
Anywhere Real Estate, Inc. (A)	1,533	12,433
CBRE Group, Inc., Class A (A)	4,746	441,805
Compass, Inc., Class A (A)	6,964	26,185
CoStar Group, Inc. (A)	6,498	567,860
DigitalBridge Group, Inc.	2,569	45,060
Douglas Elliman, Inc.	1,475	4,351
eXp World Holdings, Inc. (B)	2,650	41,128
Fathom Holdings, Inc. (A)	284	1,020
Five Point Holdings LLC, Class A (A)	2,087	6,407
Forestar Group, Inc. (A)	999	33,037
FRP Holdings, Inc. (A)	226	14,211
Howard Hughes Holdings, Inc. (A)	851	72,803
Jones Lang LaSalle, Inc. (A)	702	132,587
Kennedy-Wilson Holdings, Inc.	2,252	27,880
Marcus & Millichap, Inc.	708	30,925
Newmark Group, Inc., Class A	2,923	32,036
Opendoor Technologies, Inc. (A)	10,757	48,191
Rafael Holdings, Inc., Class B (A)	347	635
RE/MAX Holdings, Inc., Class A	374	4,985
Redfin Corp. (A)	1,922	19,835
Seritage Growth Properties, Class A (A)	866	8,097
Tejon Ranch Company (A)	577	9,924
The RMR Group, Inc., Class A	311	8,780

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (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)		
The St. Joe Company	1,041	\$ 62,647
WeWork, Inc., Class A (A)	27,947	7,739
Zillow Group, Inc., Class A (A)	45	2,552
Zillow Group, Inc., Class C (A)	3,624	209,685
		1,872,798
Residential REITs – 0.3%		
American Homes 4 Rent, Class A	5,072	182,389
Apartment Income REIT Corp.	2,626	91,201
Apartment Investment and Management Company, Class A (A)	2,711	21,227
AvalonBay Communities, Inc.	2,103	393,724
Bluerock Homes Trust, Inc.	85	1,189
BRT Apartments Corp.	385	7,157
Camden Property Trust	1,551	153,999
Centerspace	226	13,153
Elme Communities	1,645	24,017
Equity LifeStyle Properties, Inc.	2,967	209,292
Equity Residential	5,615	343,413
Essex Property Trust, Inc.	961	238,270
Independence Realty Trust, Inc.	3,277	50,138
Invitation Homes, Inc.	8,958	305,557
Mid-America Apartment Communities, Inc.	1,675	225,221
NexPoint Residential Trust, Inc.	480	16,526
Sun Communities, Inc.	1,906	254,737
UDR, Inc.	5,225	200,065
UMH Properties, Inc.	958	14,677
Veris Residential, Inc.	1,641	25,813
		2,771,765
Retail REITs – 0.4%		
Acadia Realty Trust	1,812	30,786
Agree Realty Corp.	1,193	75,099
Alexander's, Inc.	105	22,425
Brixmor Property Group, Inc.	5,029	117,025
CBL & Associates Properties, Inc.	347	8,474
Federal Realty Investment Trust	1,354	139,530
Getty Realty Corp.	881	25,743
Kimco Realty Corp.	10,305	219,600
Kite Realty Group Trust	3,726	85,176
NETSTREIT Corp.	495	8,836
NNN REIT, Inc.	3,009	129,688
Phillips Edison & Company, Inc.	1,540	56,179
Realty Income Corp.	10,736	616,461
Regency Centers Corp.	2,539	170,113
Retail Opportunity Investments Corp.	2,320	32,550
RPT Realty	1,545	19,822
Saul Centers, Inc.	490	19,242
Simon Property Group, Inc.	4,947	705,640
SITE Centers Corp.	3,696	50,376
Spirit Realty Capital, Inc.	2,024	88,429
Tanger, Inc.	1,832	50,783
The Macerich Company	3,280	50,610
Urban Edge Properties	2,162	39,565
Whitestone REIT	991	12,179
		2,774,331
Specialized REITs – 1.0%		
American Tower Corp.	7,200	1,554,336
Crown Castle, Inc.	6,592	759,332
CubeSmart	3,192	147,949
Digital Realty Trust, Inc.	4,744	638,448
EPR Properties	1,307	63,324
Equinix, Inc.	1,437	1,157,345
Extra Space Storage, Inc.	3,396	544,481
Farmland Partners, Inc.	930	11,606
Four Corners Property Trust, Inc.	1,453	36,761

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialized REITs (continued)		
Gaming and Leisure Properties, Inc.	3,988	\$ 196,808
Gladstone Land Corp.	706	10,202
Iron Mountain, Inc.	4,439	310,641
Lamar Advertising Company, Class A	1,229	130,618
National Storage Affiliates Trust	1,277	52,957
Outfront Media, Inc.	2,732	38,139
PotlatchDeltic Corp.	1,431	70,262
Public Storage	2,719	829,295
Rayonier, Inc.	2,536	84,728
Safehold, Inc.	1,263	29,554
SBA Communications Corp.	1,608	407,934
Uniti Group, Inc.	4,136	23,906
VICI Properties, Inc.	15,179	483,907
Weyerhaeuser Company	11,160	388,033
		7,970,566
		22,105,974
Utilities – 2.0%		
Electric utilities – 1.2%		
ALLETE, Inc.	971	59,386
Alliant Energy Corp.	3,580	183,654
American Electric Power Company, Inc.	7,854	637,902
Avangrid, Inc.	210	6,806
Constellation Energy Corp.	4,992	583,515
Duke Energy Corp.	12,189	1,182,821
Edison International	6,196	442,952
Entergy Corp.	3,068	310,451
Eversource Energy	3,738	195,124
Exelon Corp.	5,593	345,200
FirstEnergy Corp.	15,367	551,675
Genie Energy, Ltd., B Shares	9,240	338,738
Hawaiian Electric Industries, Inc.	616	17,328
IDACORP, Inc.	1,834	26,024
MGE Energy, Inc.	843	82,884
NextEra Energy, Inc.	651	47,074
NRG Energy, Inc.	32,245	1,958,561
OGE Energy Corp.	3,719	192,272
Otter Tail Corp.	3,263	113,977
PG&E Corp.	715	60,754
Pinnacle West Capital Corp.	32,528	586,480
PNM Resources, Inc.	1,796	129,025
Portland General Electric Company	20	832
PPL Corp.	1,498	64,923
The Southern Company	9,867	267,396
Via Renewables, Inc.	17,365	1,217,634
Xcel Energy, Inc.	126	1,184
	8,441	522,582
		10,127,154
Gas utilities – 0.1%		
Atmos Energy Corp.	1,859	215,458
Chesapeake Utilities Corp.	310	32,745
National Fuel Gas Company	888	44,551
New Jersey Resources Corp.	1,632	72,755
Northwest Natural Holding Company	625	24,338
ONE Gas, Inc.	913	58,176
RGC Resources, Inc.	228	4,638
Southwest Gas Holdings, Inc.	848	53,721
Spire, Inc.	874	54,485
Star Group LP	919	10,596
UGI Corp.	3,247	79,876
		651,339
Independent power and renewable electricity producers – 0.1%		
Altus Power, Inc. (A)	2,340	15,982
Clearway Energy, Inc., Class A	1,122	28,701

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2023 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Independent power and renewable electricity producers (continued)		
Clearway Energy, Inc., Class C	974	\$ 26,717
Montauk Renewables, Inc. (A)	2,220	19,780
Ormat Technologies, Inc.	934	70,788
Sunnova Energy International, Inc. (A)(B)	1,925	29,356
The AES Corp.	10,972	211,211
Vistra Corp.	5,889	226,844
		629,379
Multi-utilities – 0.5%		
Ameren Corp.	3,814	275,905
Avista Corp.	1,244	44,461
Black Hills Corp.	1,090	58,806
CenterPoint Energy, Inc.	9,241	264,015
CMS Energy Corp.	4,685	272,058
Consolidated Edison, Inc.	5,185	471,679
Dominion Energy, Inc.	13,417	630,599
DTE Energy Company	3,011	331,993
NiSource, Inc.	6,676	177,248
Northwestern Energy Group, Inc.	961	48,905
Public Service Enterprise Group, Inc.	7,496	458,380
Sempra	9,877	738,108
Unitil Corp.	316	16,612
WEC Energy Group, Inc.	5,060	425,900
		4,214,669
Water utilities – 0.1%		
American States Water Company	629	50,584
American Water Works Company, Inc.	2,908	383,827
Artesian Resources Corp., Class A	193	8,000
Cadiz, Inc. (A)	752	2,106
California Water Service Group	934	48,447
Essential Utilities, Inc.	3,844	143,573
Global Water Resources, Inc.	595	7,783
Middlesex Water Company	324	21,261
Pure Cycle Corp. (A)	615	6,439
SJW Group	527	34,439
The York Water Company	308	11,895
		718,354
		16,340,895
TOTAL COMMON STOCKS (Cost \$318,965,567)		\$ 761,165,128
PREFERRED SECURITIES – 0.0%		
Consumer discretionary – 0.0%		
Broadline retail – 0.0%		
Qurate Retail, Inc., 8.000%	260	9,350

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	50	Long	Mar 2024	\$4,757,667	\$5,119,250	\$361,583
S&P 500 E-Mini Index Futures	153	Long	Mar 2024	35,611,789	36,873,000	1,261,211
						\$1,622,794

[^] 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.

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Industrials – 0.0%		
Industrial conglomerates – 0.0%		
Steel Partners Holdings LP, 6.000%	510	\$ 11,679
TOTAL PREFERRED SECURITIES (Cost \$82,033)		\$ 21,029
RIGHTS – 0.0%		
Groupon, Inc. (Expiration Date: 1-17-24) (A)(D)		
	572	196
TOTAL RIGHTS (Cost \$0)		\$ 196
WARRANTS – 0.0%		
Cassava Sciences, Inc. (Expiration Date: 11-15-24; Strike Price: \$33.00) (A)		
	271	1,827
Chord Energy Corp. (Expiration Date: 11-19-24; Strike Price: \$90.57) (A)		
	31	2,868
Nabors Industries, Ltd. (Expiration Date: 6-11-26; Strike Price: \$166.67) (A)		
	77	809
TOTAL WARRANTS (Cost \$62,446)		\$ 5,504
SHORT-TERM INVESTMENTS – 5.1%		
Short-term funds – 5.1%		
John Hancock Collateral Trust, 5.3645% (E)(F)		
	4,116,085	41,161,671
TOTAL SHORT-TERM INVESTMENTS (Cost \$41,155,336)		\$ 41,161,671
Total Investments (Total Stock Market Index Trust) (Cost \$360,265,382) – 99.7%		\$ 802,353,528
Other assets and liabilities, net – 0.3%		2,273,379
TOTAL NET ASSETS – 100.0%		\$ 804,626,907

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 12-31-23.
(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)	Strike price and/or expiration date not available.
(E)	The rate shown is the annualized seven-day yield as of 12-31-23.
(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 \$2,398,391.