

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

500 Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.4%		
Communication services – 10.5%		
Diversified telecommunication services – 1.7%		
AT&T, Inc.	1,583,219	\$ 47,860,710
CenturyLink, Inc. (A)	219,485	2,201,435
Verizon Communications, Inc.	919,488	50,691,373
		100,753,518
Entertainment – 2.0%		
Activision Blizzard, Inc.	171,207	12,994,611
Electronic Arts, Inc. (B)	64,148	8,470,743
Live Nation Entertainment, Inc. (A)(B)	31,569	1,399,454
Netflix, Inc. (B)	97,727	44,469,694
Take-Two Interactive Software, Inc. (B)	25,319	3,533,773
The Walt Disney Company	401,364	44,756,100
		115,624,375
Interactive media and services – 5.4%		
Alphabet, Inc., Class A (B)	66,673	94,545,648
Alphabet, Inc., Class C (B)	64,987	91,866,273
Facebook, Inc., Class A (B)	534,306	121,324,863
Twitter, Inc. (B)	174,349	5,193,857
		312,930,641
Media – 1.2%		
Charter Communications, Inc., Class A (B)	33,490	17,081,240
Comcast Corp., Class A	1,012,085	39,451,073
Discovery, Inc., Series A (A)(B)	35,557	750,253
Discovery, Inc., Series C (B)	70,296	1,353,901
DISH Network Corp., Class A (B)	57,140	1,971,901
Fox Corp., Class A	76,137	2,041,994
Fox Corp., Class B	35,388	949,814
News Corp., Class A	86,406	1,024,775
News Corp., Class B	27,060	323,367
Omnicom Group, Inc.	47,615	2,599,779
The Interpublic Group of Companies, Inc. (A)	86,575	1,485,627
ViacomCBS, Inc., Class B (A)	120,121	2,801,222
		71,834,946
Wireless telecommunication services – 0.2%		
T-Mobile US, Inc. (B)	127,966	13,327,659
		614,471,139
Consumer discretionary – 10.5%		
Auto components – 0.1%		
Aptiv PLC	56,635	4,412,999
BorgWarner, Inc. (A)	46,065	1,626,095
		6,039,094
Automobiles – 0.2%		
Ford Motor Company (A)	867,979	5,277,312
General Motors Company	279,835	7,079,826
		12,357,138
Distributors – 0.1%		
Genuine Parts Company	32,055	2,787,503
LKQ Corp. (B)	67,543	1,769,627
		4,557,130
Diversified consumer services – 0.0%		
H&R Block, Inc. (A)	42,769	610,741
Hotels, restaurants and leisure – 1.5%		
Carnival Corp. (A)	105,272	1,728,566
Chipotle Mexican Grill, Inc. (B)	5,702	6,000,557
Darden Restaurants, Inc. (A)	28,860	2,186,722
Domino's Pizza, Inc. (A)	8,692	3,211,172
Hilton Worldwide Holdings, Inc.	61,609	4,525,181
Las Vegas Sands Corp.	74,670	3,400,472
Marriott International, Inc., Class A	59,803	5,126,911
McDonald's Corp.	165,223	30,478,687

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
MGM Resorts International (A)	109,596	\$ 1,841,213
Norwegian Cruise Line Holdings, Ltd. (A)(B)	56,962	935,886
Royal Caribbean Cruises, Ltd. (A)	38,152	1,919,046
Starbucks Corp.	259,559	19,100,947
Wynn Resorts, Ltd.	21,572	1,606,898
Yum! Brands, Inc.	66,881	5,812,628
		87,874,886
Household durables – 0.4%		
D.R. Horton, Inc.	73,510	4,076,130
Garmin, Ltd.	32,259	3,145,253
Leggett & Platt, Inc. (A)	29,398	1,033,340
Lennar Corp., A Shares	61,022	3,760,176
Mohawk Industries, Inc. (B)	13,219	1,345,165
Newell Brands, Inc.	84,814	1,346,846
NVR, Inc. (B)	769	2,505,979
PulteGroup, Inc.	56,009	1,905,986
Whirlpool Corp. (A)	13,813	1,789,198
		20,908,073
Internet and direct marketing retail – 4.8%		
Amazon.com, Inc. (B)	93,098	256,840,624
Booking Holdings, Inc. (B)	9,095	14,482,332
eBay, Inc.	146,771	7,698,139
Expedia Group, Inc.	30,100	2,474,220
		281,495,315
Leisure products – 0.0%		
Hasbro, Inc. (A)	28,314	2,122,134
Multiline retail – 0.5%		
Dollar General Corp.	55,934	10,655,986
Dollar Tree, Inc. (B)	52,714	4,885,534
Kohl's Corp.	35,050	727,989
Target Corp.	111,106	13,324,943
		29,594,452
Specialty retail – 2.3%		
Advance Auto Parts, Inc.	15,355	2,187,320
AutoZone, Inc. (B)	5,188	5,852,687
Best Buy Company, Inc.	50,510	4,408,008
CarMax, Inc. (A)(B)	36,163	3,238,397
L Brands, Inc.	51,858	776,314
Lowe's Companies, Inc.	167,766	22,668,542
O'Reilly Automotive, Inc. (B)	16,493	6,954,603
Ross Stores, Inc.	78,969	6,731,318
The Gap, Inc. (A)	47,303	596,964
The Home Depot, Inc.	238,988	59,868,884
The TJX Companies, Inc.	266,176	13,457,859
Tiffany & Company (A)	24,268	2,959,240
Tractor Supply Company	25,694	3,386,212
Ulta Beauty, Inc. (B)	12,513	2,545,394
		135,631,742
Textiles, apparel and luxury goods – 0.6%		
Hanesbrands, Inc. (A)	77,335	873,112
NIKE, Inc., Class B	275,539	27,016,599
PVH Corp. (A)	15,763	757,412
Ralph Lauren Corp. (A)	10,616	769,872
Tapestry, Inc.	61,351	814,741
Under Armour, Inc., Class A (A)(B)	41,875	407,863
Under Armour, Inc., Class C (A)(B)	43,666	386,007
VF Corp. (A)	70,853	4,317,782
		35,343,388
		616,534,093
Consumer staples – 6.8%		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages – 1.6%		
Brown-Forman Corp., Class B (A)	40,523	\$ 2,579,694
Constellation Brands, Inc., Class A	37,320	6,529,134
Molson Coors Beverage Company, Class B	41,787	1,435,801
Monster Beverage Corp. (B)	83,071	5,758,482
PepsiCo, Inc. (A)	308,311	40,777,213
The Coca-Cola Company	858,916	38,376,367
		95,456,691
Food and staples retailing – 1.5%		
Costco Wholesale Corp.	98,109	29,747,630
Sysco Corp.	112,796	6,165,429
The Kroger Company	174,696	5,913,460
Walgreens Boots Alliance, Inc. (A)	163,736	6,940,769
Walmart, Inc.	314,639	37,687,459
		86,454,747
Food products – 1.1%		
Archer-Daniels-Midland Company	123,435	4,925,057
Campbell Soup Company (A)	37,600	1,866,088
Conagra Brands, Inc.	108,231	3,806,484
General Mills, Inc.	134,688	8,303,515
Hormel Foods Corp. (A)	62,274	3,005,966
Kellogg Company (A)	55,585	3,671,945
Lamb Weston Holdings, Inc. (A)	32,451	2,074,592
McCormick & Company, Inc.	27,474	4,929,110
Mondelez International, Inc., Class A	317,191	16,217,976
The Hershey Company (A)	32,752	4,245,314
The J.M. Smucker Company (A)	25,340	2,681,225
The Kraft Heinz Company	138,464	4,415,617
Tyson Foods, Inc., Class A	65,397	3,904,855
		64,047,744
Household products – 1.7%		
Church & Dwight Company, Inc.	54,639	4,223,595
Colgate-Palmolive Company	190,326	13,943,283
Kimberly-Clark Corp.	75,672	10,696,237
The Clorox Company (A)	27,798	6,098,047
The Procter & Gamble Company	550,103	65,775,816
		100,736,978
Personal products – 0.2%		
Coty, Inc., Class A	66,130	295,601
The Estee Lauder Companies, Inc., Class A	49,944	9,423,434
		9,719,035
Tobacco – 0.7%		
Altria Group, Inc.	412,941	16,207,934
Philip Morris International, Inc.	346,004	24,241,040
		40,448,974
		396,864,169
Energy – 2.7%		
Energy equipment and services – 0.2%		
Baker Hughes Company	145,553	2,240,061
Halliburton Company	194,937	2,530,282
National Oilwell Varco, Inc.	86,265	1,056,746
Schlumberger, Ltd.	308,381	5,671,127
TechnipFMC PLC	93,460	639,266
		12,137,482
Oil, gas and consumable fuels – 2.5%		
Apache Corp.	83,866	1,132,191
Cabot Oil & Gas Corp. (A)	88,566	1,521,564
Chevron Corp.	414,854	37,017,422
Concho Resources, Inc.	43,708	2,250,962
ConocoPhillips	238,299	10,013,324
Devon Energy Corp.	85,038	964,331
Diamondback Energy, Inc.	35,068	1,466,544

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
EOG Resources, Inc.	129,334	\$ 6,552,060
Exxon Mobil Corp.	939,535	42,016,005
Hess Corp.	58,012	3,005,602
HollyFrontier Corp.	33,094	966,345
Kinder Morgan, Inc.	432,164	6,555,928
Marathon Oil Corp.	175,612	1,074,745
Marathon Petroleum Corp.	144,492	5,401,111
Noble Energy, Inc.	106,592	955,064
Occidental Petroleum Corp. (A)	199,990	3,659,817
ONEOK, Inc.	91,973	3,055,343
Phillips 66	97,032	6,976,601
Pioneer Natural Resources Company	36,639	3,579,630
The Williams Companies, Inc.	269,580	5,127,412
Valero Energy Corp.	90,593	5,328,680
		148,620,681
		160,758,163
Financials – 9.8%		
Banks – 3.6%		
Bank of America Corp.	1,734,997	41,206,179
Citigroup, Inc.	462,591	23,638,400
Citizens Financial Group, Inc.	94,797	2,392,676
Comerica, Inc.	30,894	1,177,061
Fifth Third Bancorp	158,191	3,049,922
First Republic Bank	38,101	4,038,325
Huntington Bancshares, Inc.	225,366	2,036,182
JPMorgan Chase & Co.	677,067	63,684,922
KeyCorp	216,741	2,639,905
M&T Bank Corp.	28,503	2,963,457
People's United Financial, Inc.	94,361	1,091,757
Regions Financial Corp.	212,651	2,364,679
SVB Financial Group (B)	11,446	2,466,956
The PNC Financial Services Group, Inc.	94,273	9,918,462
Truist Financial Corp.	299,416	11,243,071
U.S. Bancorp (A)	304,583	11,214,746
Wells Fargo & Company	829,051	21,223,706
Zions Bancorp NA	36,411	1,237,974
		207,588,380
Capital markets – 2.6%		
Ameriprise Financial, Inc.	27,184	4,078,687
BlackRock, Inc.	34,278	18,650,317
Cboe Global Markets, Inc.	24,380	2,274,166
CME Group, Inc. (A)	79,680	12,951,187
E*TRADE Financial Corp.	49,118	2,442,638
Franklin Resources, Inc. (A)	61,634	1,292,465
Intercontinental Exchange, Inc.	121,596	11,138,194
Invesco, Ltd. (A)	83,615	899,697
MarketAxess Holdings, Inc.	8,424	4,219,750
Moody's Corp.	35,831	9,843,851
Morgan Stanley	266,092	12,852,244
MSCI, Inc.	18,891	6,306,194
Nasdaq, Inc.	25,520	3,048,874
Northern Trust Corp.	46,230	3,667,888
Raymond James Financial, Inc.	27,100	1,865,293
S&P Global, Inc.	53,529	17,636,735
State Street Corp.	78,207	4,970,055
T. Rowe Price Group, Inc.	50,563	6,244,531
The Bank of New York Mellon Corp.	179,043	6,920,012
The Charles Schwab Corp.	254,603	8,590,305
The Goldman Sachs Group, Inc.	68,772	13,590,723
		153,483,806
Consumer finance – 0.4%		
American Express Company (A)	146,673	13,963,270
Capital One Financial Corp.	101,173	6,332,418
Discover Financial Services	68,062	3,409,226

John Hancock Variable Insurance Trust

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500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer finance (continued)		
Synchrony Financial	119,327	\$ 2,644,286
		26,349,200
Diversified financial services – 1.3%		
Berkshire Hathaway, Inc., Class B (B)	431,975	77,111,857
Insurance – 1.9%		
Aflac, Inc.	159,435	5,744,443
American International Group, Inc.	191,384	5,967,353
Aon PLC, Class A	51,349	9,889,817
Arthur J. Gallagher & Company	42,135	4,107,741
Assurant, Inc.	13,255	1,369,109
Chubb, Ltd.	100,294	12,699,226
Cincinnati Financial Corp.	33,528	2,146,798
Everest Re Group, Ltd.	8,885	1,832,087
Globe Life, Inc.	21,759	1,615,171
Lincoln National Corp.	42,936	1,579,615
Loews Corp.	53,781	1,844,150
Marsh & McLennan Companies, Inc.	113,375	12,173,074
MetLife, Inc.	171,421	6,260,295
Principal Financial Group, Inc.	56,595	2,350,956
Prudential Financial, Inc.	87,772	5,345,315
The Allstate Corp.	69,799	6,769,805
The Hartford Financial Services Group, Inc.	79,567	3,067,308
The Progressive Corp.	130,057	10,418,866
The Travelers Companies, Inc.	56,182	6,407,557
Unum Group	45,201	749,885
W.R. Berkley Corp.	31,374	1,797,416
Willis Towers Watson PLC	28,606	5,633,952
		109,769,939
		574,303,182
Health care – 14.2%		
Biotechnology – 2.4%		
AbbVie, Inc.	391,603	38,447,583
Alexion Pharmaceuticals, Inc. (B)	49,069	5,507,505
Amgen, Inc.	130,712	30,829,732
Biogen, Inc. (B)	36,261	9,701,631
Gilead Sciences, Inc.	278,647	21,439,100
Incyte Corp. (B)	40,090	4,168,157
Regeneron Pharmaceuticals, Inc. (B)	22,413	13,977,867
Vertex Pharmaceuticals, Inc. (B)	57,613	16,725,630
		140,797,205
Health care equipment and supplies – 3.7%		
Abbott Laboratories	393,048	35,936,379
ABIOMED, Inc. (B)	9,988	2,412,701
Align Technology, Inc. (B)	15,926	4,370,731
Baxter International, Inc.	113,066	9,734,983
Becton, Dickinson and Company	65,523	15,677,688
Boston Scientific Corp. (B)	317,464	11,146,161
Danaher Corp.	139,823	24,724,901
Dentsply Sirona, Inc.	48,681	2,144,885
DexCom, Inc. (B)	20,510	8,314,754
Edwards Lifesciences Corp. (A)(B)	137,693	9,515,963
Hologic, Inc. (B)	57,375	3,270,375
IDEXX Laboratories, Inc. (B)	18,873	6,231,110
Intuitive Surgical, Inc. (B)	25,913	14,766,005
Medtronic PLC	297,995	27,326,142
ResMed, Inc.	32,146	6,172,032
STERIS PLC	18,877	2,896,487
Stryker Corp.	71,629	12,906,830
Teleflex, Inc.	10,316	3,754,818
The Cooper Companies, Inc.	10,918	3,096,782
Varian Medical Systems, Inc. (A)(B)	20,180	2,472,454
West Pharmaceutical Services, Inc.	16,355	3,715,365

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Zimmer Biomet Holdings, Inc.	45,953	\$ 5,484,950
		216,072,496
Health care providers and services – 2.7%		
AmerisourceBergen Corp.	32,994	3,324,805
Anthem, Inc.	56,022	14,732,666
Cardinal Health, Inc.	64,881	3,386,139
Centene Corp. (B)	128,686	8,177,995
Cigna Corp.	81,990	15,385,424
CVS Health Corp.	290,444	18,870,147
DaVita, Inc. (A)(B)	18,946	1,499,386
HCA Healthcare, Inc.	58,518	5,679,757
Henry Schein, Inc. (A)(B)	31,721	1,852,189
Humana, Inc.	29,377	11,390,932
Laboratory Corp. of America Holdings (B)	21,598	3,587,644
McKesson Corp.	35,965	5,517,750
Quest Diagnostics, Inc.	29,716	3,386,435
UnitedHealth Group, Inc.	210,736	62,156,583
Universal Health Services, Inc., Class B	17,259	1,603,189
		160,551,041
Health care technology – 0.1%		
Cerner Corp. (A)	67,628	4,635,899
Life sciences tools and services – 1.1%		
Agilent Technologies, Inc.	68,612	6,063,242
Bio-Rad Laboratories, Inc., Class A (B)	4,749	2,144,126
Illumina, Inc. (B)	32,664	12,097,112
IQVIA Holdings, Inc. (A)(B)	39,463	5,599,010
Mettler-Toledo International, Inc. (A)(B)	5,312	4,279,082
PerkinElmer, Inc.	24,751	2,427,826
Thermo Fisher Scientific, Inc.	87,761	31,799,321
Waters Corp. (B)	13,757	2,481,763
		66,891,482
Pharmaceuticals – 4.2%		
Bristol-Myers Squibb Company	502,784	29,563,699
Eli Lilly & Company	187,141	30,724,809
Johnson & Johnson	585,423	82,328,036
Merck & Company, Inc.	560,871	43,372,154
Mylan NV (A)(B)	114,869	1,847,094
Perrigo Company PLC	30,290	1,674,128
Pfizer, Inc.	1,234,318	40,362,199
Zoetis, Inc.	105,535	14,462,516
		244,334,635
		833,282,758
Industrials – 7.8%		
Aerospace and defense – 1.7%		
General Dynamics Corp.	51,632	7,716,919
Howmet Aerospace, Inc.	85,276	1,351,625
Huntington Ingalls Industries, Inc.	8,994	1,569,363
L3Harris Technologies, Inc.	47,968	8,138,731
Lockheed Martin Corp.	54,837	20,011,118
Northrop Grumman Corp.	34,449	10,591,001
Raytheon Technologies Corp. (A)	326,817	20,138,464
Teledyne Technologies, Inc. (B)	8,147	2,533,310
Textron, Inc.	50,584	1,664,719
The Boeing Company	119,127	21,835,979
TransDigm Group, Inc. (A)	11,174	4,939,467
		100,490,696
Air freight and logistics – 0.5%		
C.H. Robinson Worldwide, Inc. (A)	29,916	2,365,159
Expeditors International of Washington, Inc.	36,981	2,812,035
FedEx Corp.	53,407	7,488,730

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Air freight and logistics (continued)		
United Parcel Service, Inc., Class B	156,459	\$ 17,395,112
		30,061,036
Airlines – 0.2%		
Alaska Air Group, Inc. (A)	27,245	987,904
American Airlines Group, Inc. (A)	83,633	1,093,083
Delta Air Lines, Inc.	126,139	3,538,199
Southwest Airlines Company	119,178	4,073,504
United Airlines Holdings, Inc. (A)(B)	56,146	1,943,213
		11,635,903
Building products – 0.4%		
A. O. Smith Corp. (A)	30,019	1,414,495
Allegion PLC	20,492	2,094,692
Carrier Global Corp.	180,918	4,019,998
Fortune Brands Home & Security, Inc.	31,044	1,984,643
Johnson Controls International PLC	165,291	5,643,035
Masco Corp.	58,608	2,942,708
Trane Technologies PLC	53,153	4,729,554
		22,829,125
Commercial services and supplies – 0.4%		
Cintas Corp.	18,728	4,988,390
Copart, Inc. (B)	45,909	3,822,842
Republic Services, Inc.	46,682	3,830,258
Rollins, Inc. (A)	31,318	1,327,570
Waste Management, Inc.	86,274	9,137,279
		23,106,339
Construction and engineering – 0.1%		
Jacobs Engineering Group, Inc. (A)	28,910	2,451,568
Quanta Services, Inc.	30,586	1,199,889
		3,651,457
Electrical equipment – 0.4%		
AMETEK, Inc.	50,981	4,556,172
Eaton Corp. PLC	88,883	7,775,485
Emerson Electric Company	132,763	8,235,289
Rockwell Automation, Inc. (A)	25,737	5,481,981
		26,048,927
Industrial conglomerates – 1.1%		
3M Company	127,812	19,937,394
General Electric Company	1,943,658	13,275,184
Honeywell International, Inc.	155,955	22,549,533
Roper Technologies, Inc.	23,198	9,006,855
		64,768,966
Machinery – 1.5%		
Caterpillar, Inc.	120,267	15,213,776
Cummins, Inc.	32,781	5,679,636
Deere & Company	69,519	10,924,911
Dover Corp.	31,986	3,088,568
Flowserve Corp.	28,915	824,656
Fortive Corp.	65,869	4,456,697
IDEX Corp.	16,753	2,647,644
Illinois Tool Works, Inc.	63,884	11,170,117
Ingersoll Rand, Inc. (B)	76,833	2,160,544
Otis Worldwide Corp.	90,459	5,143,499
PACCAR, Inc.	76,823	5,750,202
Parker-Hannifin Corp.	28,523	5,227,410
Pentair PLC	36,825	1,398,982
Snap-on, Inc. (A)	12,078	1,672,924
Stanley Black & Decker, Inc.	34,248	4,773,486
Wabtec Corp.	40,169	2,312,529
Xylem, Inc.	39,978	2,596,971
		85,042,552
Professional services – 0.3%		
Equifax, Inc.	26,972	4,635,947

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
IHS Markit, Ltd.	88,642	\$ 6,692,471
Nielsen Holdings PLC	79,211	1,177,075
Robert Half International, Inc.	25,465	1,345,316
Verisk Analytics, Inc.	36,055	6,136,561
		19,987,370
Road and rail – 1.0%		
CSX Corp.	170,091	11,862,146
J.B. Hunt Transport Services, Inc.	18,747	2,256,014
Kansas City Southern	21,114	3,152,109
Norfolk Southern Corp.	56,925	9,994,322
Old Dominion Freight Line, Inc. (A)	20,967	3,555,794
Union Pacific Corp.	150,782	25,492,713
		56,313,098
Trading companies and distributors – 0.2%		
Fastenal Company	127,284	5,452,847
United Rentals, Inc. (B)	16,010	2,386,130
W.W. Grainger, Inc. (A)	9,624	3,023,476
		10,862,453
		454,797,922
Information technology – 26.8%		
Communications equipment – 1.0%		
Arista Networks, Inc. (B)	11,944	2,508,598
Cisco Systems, Inc.	942,350	43,951,204
F5 Networks, Inc. (B)	13,532	1,887,443
Juniper Networks, Inc.	73,628	1,683,136
Motorola Solutions, Inc.	37,790	5,295,513
		55,325,894
Electronic equipment, instruments and components – 0.5%		
Amphenol Corp., Class A	65,749	6,299,412
CDW Corp.	31,624	3,674,076
Corning, Inc.	168,655	4,368,165
FLIR Systems, Inc.	29,074	1,179,532
IPG Photonics Corp. (B)	7,895	1,266,279
Keysight Technologies, Inc. (B)	41,561	4,188,518
TE Connectivity, Ltd. (A)	73,294	5,977,126
Zebra Technologies Corp., Class A (B)	11,797	3,019,442
		29,972,550
IT services – 5.6%		
Accenture PLC, Class A (A)	141,551	30,393,831
Akamai Technologies, Inc. (B)	36,058	3,861,451
Automatic Data Processing, Inc.	95,498	14,218,697
Broadridge Financial Solutions, Inc.	25,513	3,219,485
Cognizant Technology Solutions Corp., Class A	120,120	6,825,218
DXC Technology Company	56,385	930,353
Fidelity National Information Services, Inc.	137,286	18,408,680
Fiserv, Inc. (B)	124,961	12,198,693
FleetCor Technologies, Inc. (B)	18,621	4,683,740
Gartner, Inc. (B)	19,815	2,404,154
Global Payments, Inc.	66,463	11,273,454
IBM Corp.	197,295	23,827,317
Jack Henry & Associates, Inc. (A)	17,024	3,132,927
Leidos Holdings, Inc.	29,669	2,779,095
Mastercard, Inc., Class A	196,387	58,071,636
Paychex, Inc.	70,941	5,373,781
PayPal Holdings, Inc. (B)	260,906	45,457,652
The Western Union Company (A)	91,306	1,974,036
VeriSign, Inc. (B)	22,593	4,672,910
Visa, Inc., Class A	374,887	72,416,922
		326,124,032
Semiconductors and semiconductor equipment – 4.7%		
Advanced Micro Devices, Inc. (B)	260,246	13,691,542

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Analog Devices, Inc.	81,866	\$ 10,040,046
Applied Materials, Inc.	203,647	12,310,461
Broadcom, Inc.	88,836	28,037,530
Intel Corp.	940,821	56,289,320
KLA Corp.	34,453	6,700,419
Lam Research Corp.	32,256	10,433,526
Maxim Integrated Products, Inc.	59,246	3,590,900
Microchip Technology, Inc.	54,514	5,740,869
Micron Technology, Inc. (B)	247,135	12,732,395
NVIDIA Corp.	136,687	51,928,758
Qorvo, Inc. (B)	25,495	2,817,962
QUALCOMM, Inc.	249,966	22,799,399
Skyworks Solutions, Inc.	37,072	4,740,026
Texas Instruments, Inc.	203,935	25,893,627
Xilinx, Inc.	54,032	5,316,208
		273,062,988
Software – 9.1%		
Adobe, Inc. (B)	107,059	46,603,853
ANSYS, Inc. (B)	19,091	5,569,417
Autodesk, Inc. (B)	48,707	11,650,227
Cadence Design Systems, Inc. (B)	62,037	5,953,071
Citrix Systems, Inc.	25,786	3,814,007
Fortinet, Inc. (B)	29,813	4,092,431
Intuit, Inc.	57,945	17,162,730
Microsoft Corp.	1,685,087	342,932,051
NortonLifeLock, Inc.	120,415	2,387,829
Oracle Corp.	462,492	25,561,933
Paycom Software, Inc. (B)	10,720	3,320,306
salesforce.com, Inc. (B)	200,208	37,504,965
ServiceNow, Inc. (B)	42,376	17,164,823
Synopsys, Inc. (B)	33,506	6,533,670
Tyler Technologies, Inc. (B)	8,835	3,064,685
		533,315,998
Technology hardware, storage and peripherals – 5.9%		
Apple, Inc.	905,329	330,264,019
Hewlett Packard Enterprise Company	285,481	2,777,730
HP, Inc.	317,745	5,538,295
NetApp, Inc. (A)	49,147	2,180,652
Seagate Technology PLC	50,181	2,429,262
Western Digital Corp.	66,595	2,940,169
Xerox Holdings Corp.	40,691	622,165
		346,752,292
		1,564,553,754
Materials – 2.5%		
Chemicals – 1.8%		
Air Products & Chemicals, Inc.	49,075	11,849,650
Albemarle Corp. (A)	23,625	1,824,086
Celanese Corp.	26,271	2,268,238
CF Industries Holdings, Inc.	47,507	1,336,847
Corteva, Inc.	166,292	4,454,963
Dow, Inc.	164,595	6,708,892
DuPont de Nemours, Inc.	163,054	8,663,059
Eastman Chemical Company	30,196	2,102,849
Ecolab, Inc.	54,950	10,932,303
FMC Corp.	28,764	2,865,470
International Flavors & Fragrances, Inc. (A)	23,743	2,907,568
Linde PLC	116,699	24,753,025
LyondellBasell Industries NV, Class A	57,097	3,752,415
PPG Industries, Inc.	52,424	5,560,089
The Mosaic Company	77,483	969,312
The Sherwin-Williams Company	17,957	10,376,452
		101,325,218

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction materials – 0.1%		
Martin Marietta Materials, Inc.	13,830	\$ 2,856,863
Vulcan Materials Company	29,428	3,409,234
		6,266,097
Containers and packaging – 0.3%		
Amcor PLC	349,850	3,571,969
Avery Dennison Corp.	18,509	2,111,692
Ball Corp.	72,440	5,033,856
International Paper Company	87,336	3,075,101
Packaging Corp. of America	21,075	2,103,285
Sealed Air Corp.	34,588	1,136,216
Westrock Company	57,608	1,628,002
		18,660,121
Metals and mining – 0.3%		
Freeport-McMoRan, Inc.	322,637	3,732,910
Newmont Corp.	178,339	11,010,650
Nucor Corp.	66,914	2,770,909
		17,514,469
		143,765,905
Real estate – 2.8%		
Equity real estate investment trusts – 2.7%		
Alexandria Real Estate Equities, Inc.	28,041	4,549,652
American Tower Corp.	98,505	25,467,483
Apartment Investment & Management Company, A Shares	33,078	1,245,056
AvalonBay Communities, Inc.	31,271	4,835,747
Boston Properties, Inc.	32,107	2,901,831
Crown Castle International Corp.	92,605	15,497,447
Digital Realty Trust, Inc.	59,621	8,472,740
Duke Realty Corp.	81,857	2,896,919
Equinix, Inc.	19,669	13,813,539
Equity Residential	77,727	4,571,902
Essex Property Trust, Inc.	14,536	3,331,215
Extra Space Storage, Inc.	28,684	2,649,541
Federal Realty Investment Trust	15,630	1,331,832
Healthpeak Properties, Inc.	119,607	3,296,369
Host Hotels & Resorts, Inc.	156,647	1,690,221
Iron Mountain, Inc.	63,969	1,669,591
Kimco Realty Corp.	96,110	1,234,052
Mid-America Apartment Communities, Inc.	25,409	2,913,650
Prologis, Inc.	164,118	15,317,133
Public Storage	33,402	6,409,510
Realty Income Corp.	76,309	4,540,386
Regency Centers Corp.	37,693	1,729,732
SBA Communications Corp.	24,804	7,389,608
Simon Property Group, Inc.	67,939	4,645,669
SL Green Realty Corp.	17,007	838,275
UDR, Inc.	65,525	2,449,325
Ventas, Inc.	82,900	3,035,798
Vornado Realty Trust	35,246	1,346,750
Welltower, Inc.	92,766	4,800,641
Weyerhaeuser Company	165,812	3,724,138
		158,595,752
Real estate management and development – 0.1%		
CBRE Group, Inc., Class A (B)	74,476	3,367,805
		161,963,557
Utilities – 3.0%		
Electric utilities – 1.9%		
Alliant Energy Corp.	55,441	2,652,297
American Electric Power Company, Inc.	110,122	8,770,116
Duke Energy Corp.	163,289	13,045,158
Edison International	83,981	4,561,008
Entergy Corp.	44,477	4,172,387
Eversource Energy, Inc.	50,383	2,987,208

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
Eversource Energy	74,760	\$ 6,225,265
Exelon Corp.	216,520	7,857,511
FirstEnergy Corp.	120,381	4,668,375
NextEra Energy, Inc.	108,759	26,120,649
NRG Energy, Inc.	54,238	1,765,989
Pinnacle West Capital Corp.	24,997	1,832,030
PPL Corp.	170,824	4,414,092
The Southern Company	234,640	12,166,084
Xcel Energy, Inc.	116,665	7,291,563
		108,529,732
Gas utilities – 0.0%		
Atmos Energy Corp.	27,178	2,706,385
Independent power and renewable electricity producers – 0.0%		
AES Corp.	147,746	2,140,840
Multi-utilities – 1.0%		
Ameren Corp.	54,861	3,860,020
CenterPoint Energy, Inc.	121,034	2,259,705
CMS Energy Corp.	63,600	3,715,512
Consolidated Edison, Inc.	74,240	5,340,083
Dominion Energy, Inc.	186,487	15,139,015
DTE Energy Company	42,800	4,601,000
NiSource, Inc.	85,060	1,934,264
Public Service Enterprise Group, Inc.	112,353	5,523,273
Sempra Energy	65,003	7,620,302
WEC Energy Group, Inc.	70,092	6,143,564
		56,136,738
Water utilities – 0.1%		
American Water Works Company, Inc. (A)	40,224	5,175,220
		174,688,915
TOTAL COMMON STOCKS (Cost \$2,753,400,403)		\$ 5,695,983,557
RIGHTS – 0.0%		
T-Mobile US, Inc. (Expiration Date: 7-27-20; Strike Price: \$103.00) (B)	28,487	4,786
TOTAL RIGHTS (Cost \$10,540)		\$ 4,786

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P 500 Index E-Mini Futures	967	Long	Sep 2020	\$145,338,948	\$149,123,688	\$3,784,740
						\$3,784,740

[^] 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.

500 Index Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 3.5%		
U.S. Government Agency – 2.3%		
Federal Home Loan Bank Discount Note		
0.030%, 09/01/2020 *	\$ 24,600,000	\$ 24,594,069
0.060%, 10/01/2020 *	30,000,000	29,988,500
0.100%, 07/02/2020 *	10,000,000	9,999,967
0.100%, 07/23/2020 *	10,000,000	9,999,267
0.122%, 08/14/2020 *	10,000,000	9,998,167
0.130%, 07/09/2020 *	20,200,000	20,199,461
0.135%, 09/02/2020 *	2,100,000	2,099,486
0.160%, 09/16/2020 *	30,000,000	29,991,017
		136,869,934
Short-term funds – 1.1%		
John Hancock Collateral Trust, 0.2429% (C)(D)	6,334,869	63,420,278
Repurchase agreement – 0.1%		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$2,855,000 on 7-1-20, collateralized by \$2,708,300 U.S. Treasury Inflation Indexed Notes, 0.625% due 4-15-23 (valued at \$2,912,146)	\$ 2,855,000	2,855,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$203,158,350)		\$ 203,145,212
Total Investments (500 Index Trust) (Cost \$2,956,569,293) – 100.9%		\$ 5,899,133,555
Other assets and liabilities, net – (0.9%)		(54,023,819)
TOTAL NET ASSETS – 100.0%		\$ 5,845,109,736

Security Abbreviations and Legend

- (A) All or a portion of this security is on loan as of 6-30-20.
(B) Non-income producing security.
(C) The rate shown is the annualized seven-day yield as of 6-30-20.
(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.
* Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

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	55,253,122	\$ 1,297,343,294
TOTAL INVESTMENT COMPANIES (Cost \$1,024,199,694)		\$ 1,297,343,294
Total Investments (American Asset Allocation Trust) (Cost \$1,024,199,694) - 100.0%		\$ 1,297,343,294
Other assets and liabilities, net - (0.0%)		(40,876)
TOTAL NET ASSETS - 100.0%		\$ 1,297,302,418

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	6,334,076	\$ 208,454,435
TOTAL INVESTMENT COMPANIES (Cost \$172,612,043)		\$ 208,454,435
Total Investments (American Global Growth Trust) (Cost \$172,612,043) - 100.0%		\$ 208,454,435
Other assets and liabilities, net - (0.0%)		(17,979)
TOTAL NET ASSETS - 100.0%		\$ 208,436,456

American Growth Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Growth Fund - Class 1	9,727,054	\$ 861,816,952
TOTAL INVESTMENT COMPANIES (Cost \$685,098,187)		\$ 861,816,952
Total Investments (American Growth Trust) (Cost \$685,098,187) - 100.0%		\$ 861,816,952
Other assets and liabilities, net - (0.0%)		(31,730)
TOTAL NET ASSETS - 100.0%		\$ 861,785,222

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	19,662,132	\$ 931,985,056
TOTAL INVESTMENT COMPANIES (Cost \$900,626,923)		\$ 931,985,056
Total Investments (American Growth-Income Trust) (Cost \$900,626,923) - 100.0%		\$ 931,985,056
Other assets and liabilities, net - (0.0%)		(34,590)
TOTAL NET ASSETS - 100.0%		\$ 931,950,466

American International Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American International Fund - Class 1	23,884,822	\$ 441,391,517
TOTAL INVESTMENT COMPANIES (Cost \$449,717,966)		\$ 441,391,517
Total Investments (American International Trust) (Cost \$449,717,966) - 100.0%		\$ 441,391,517
Other assets and liabilities, net - (0.0%)		(20,738)
TOTAL NET ASSETS - 100.0%		\$ 441,370,779

Blue Chip Growth Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.6%		
Communication services – 20.1%		
Entertainment – 3.4%		
Electronic Arts, Inc. (A)	4,658	\$ 615,089
Netflix, Inc. (A)	107,341	48,844,449
Sea, Ltd., ADR (A)	105,300	11,292,372
Spotify Technology SA (A)	39,338	10,156,678
		70,908,588
Interactive media and services – 16.7%		
Alphabet, Inc., Class A (A)	17,027	24,145,137
Alphabet, Inc., Class C (A)	76,716	108,446,505
Facebook, Inc., Class A (A)	589,919	133,952,907
InterActiveCorp (A)	46,985	15,194,949
Match Group, Inc. (A)	1,688	180,700
Snap, Inc., Class A (A)(B)	234,900	5,517,801
Tencent Holdings, Ltd.	901,800	57,785,421
		345,223,420
		416,132,008
Consumer discretionary – 20.5%		
Auto components – 0.0%		
Aptiv PLC	3,928	306,070
Hotels, restaurants and leisure – 1.0%		
Chipotle Mexican Grill, Inc. (A)	7,300	7,682,228
Hilton Worldwide Holdings, Inc.	25,984	1,908,525
Marriott International, Inc., Class A	57,738	4,949,879
McDonald's Corp.	6,570	1,211,968
Restaurant Brands International, Inc. (B)	3,627	198,143
Wynn Resorts, Ltd.	3,699	275,539
Yum! Brands, Inc.	50,376	4,378,178
		20,604,460
Internet and direct marketing retail – 16.7%		
Alibaba Group Holding, Ltd., ADR (A)	383,650	82,753,305
Amazon.com, Inc. (A)	88,293	243,584,494
Booking Holdings, Inc. (A)	10,490	16,703,647
Etsy, Inc. (A)(B)	23,400	2,485,782
Trip.com Group, Ltd., ADR (A)	9,044	234,420
		345,761,648
Multiline retail – 1.3%		
Dollar General Corp.	133,442	25,422,035
Dollar Tree, Inc. (A)	12,201	1,130,789
		26,552,824
Specialty retail – 0.7%		
Ross Stores, Inc.	145,248	12,380,940
The TJX Companies, Inc.	50,229	2,539,578
		14,920,518
Textiles, apparel and luxury goods – 0.8%		
Lululemon Athletica, Inc. (A)	46,588	14,535,922
NIKE, Inc., Class B	14,768	1,448,002
		15,983,924
		424,129,444
Consumer staples – 0.1%		
Beverages – 0.1%		
Constellation Brands, Inc., Class A	11,469	2,006,502
Energy – 0.0%		
Oil, gas and consumable fuels – 0.0%		
Pioneer Natural Resources Company	4,323	422,357
Financials – 3.8%		
Capital markets – 2.3%		
Intercontinental Exchange, Inc.	104,259	9,550,124
Morgan Stanley	188,449	9,102,087
MSCI, Inc.	7,000	2,336,740
S&P Global, Inc.	47,287	15,580,121

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
State Street Corp.	15,109	\$ 960,177
The Charles Schwab Corp.	80,373	2,711,785
The Goldman Sachs Group, Inc.	42,214	8,342,331
		<u>48,583,365</u>
Insurance – 1.5%		
American International Group, Inc.	83,584	2,606,149
Chubb, Ltd.	21,902	2,773,231
Marsh & McLennan Companies, Inc.	70,302	7,548,326
Willis Towers Watson PLC	88,572	17,444,255
		<u>30,371,961</u>
		<u>78,955,326</u>
Health care – 14.4%		
Biotechnology – 2.9%		
AbbVie, Inc.	2,156	211,676
Alexion Pharmaceuticals, Inc. (A)	41,992	4,713,182
Exact Sciences Corp. (A)	42,563	3,700,427
Incyte Corp. (A)	88,200	9,170,154
Regeneron Pharmaceuticals, Inc. (A)	3,000	1,870,950
Seattle Genetics, Inc. (A)	9,590	1,629,533
Vertex Pharmaceuticals, Inc. (A)	132,630	38,503,815
		<u>59,799,737</u>
Health care equipment and supplies – 4.4%		
Becton, Dickinson and Company	47,988	11,482,089
Danaher Corp.	150,732	26,653,940
Intuitive Surgical, Inc. (A)	46,216	26,335,263
Stryker Corp.	150,088	27,044,357
Teleflex, Inc.	594	216,204
		<u>91,731,853</u>
Health care providers and services – 5.5%		
Anthem, Inc.	62,610	16,465,178
Centene Corp. (A)	235,906	14,991,826
Cigna Corp.	182,299	34,208,407
HCA Healthcare, Inc.	22,572	2,190,838
Humana, Inc.	13,200	5,118,300
UnitedHealth Group, Inc.	137,682	40,609,306
		<u>113,583,855</u>
Health care technology – 0.2%		
Veeva Systems, Inc., Class A (A)	23,870	5,595,605
Life sciences tools and services – 1.1%		
Agilent Technologies, Inc.	1,657	146,429
Thermo Fisher Scientific, Inc.	63,238	22,913,657
		<u>23,060,086</u>
Pharmaceuticals – 0.3%		
Zoetis, Inc.	41,652	5,707,990
		<u>299,479,126</u>
Industrials – 3.0%		
Aerospace and defense – 0.1%		
L3Harris Technologies, Inc.	7,585	1,286,947
Northrop Grumman Corp.	883	271,470
The Boeing Company	894	163,870
		<u>1,722,287</u>
Airlines – 0.0%		
United Airlines Holdings, Inc. (A)	1,113	38,521
Commercial services and supplies – 0.2%		
Cintas Corp.	17,167	4,572,602
Industrial conglomerates – 0.6%		
General Electric Company	34,844	237,985
Honeywell International, Inc.	855	123,624
Roper Technologies, Inc.	32,339	12,555,940
		<u>12,917,549</u>

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery – 0.2%		
Fortive Corp.	48,356	\$ 3,271,767
Professional services – 1.1%		
CoStar Group, Inc. (A)	18,103	12,865,259
Equifax, Inc.	55,076	9,466,463
IHS Markit, Ltd.	6,153	464,552
		<u>22,796,274</u>
Road and rail – 0.8%		
Canadian Pacific Railway, Ltd.	15,985	4,081,610
Kansas City Southern	30,472	4,549,165
Norfolk Southern Corp.	14,102	2,475,888
Union Pacific Corp.	37,070	6,267,425
		<u>17,374,088</u>
		<u>62,693,088</u>
Information technology – 37.2%		
Communications equipment – 0.0%		
Motorola Solutions, Inc.	778	109,021
IT services – 13.7%		
Automatic Data Processing, Inc.	1,592	237,033
Fidelity National Information Services, Inc.	238,847	32,026,994
Fiserv, Inc. (A)	252,322	24,631,674
FleetCor Technologies, Inc. (A)	16,059	4,039,320
Global Payments, Inc.	212,439	36,033,903
Mastercard, Inc., Class A	189,865	56,143,081
PayPal Holdings, Inc. (A)	293,192	51,082,842
Twilio, Inc., Class A (A)	5,557	1,219,317
Visa, Inc., Class A (B)	355,755	68,721,193
Wix.com, Ltd. (A)	37,648	9,646,171
		<u>283,781,528</u>
Semiconductors and semiconductor equipment – 3.5%		
Advanced Micro Devices, Inc. (A)	162,457	8,546,863
Applied Materials, Inc.	133,083	8,044,867
KLA Corp.	4,496	874,382
Lam Research Corp.	18,975	6,137,654
Marvell Technology Group, Ltd.	378,927	13,285,181
Maxim Integrated Products, Inc.	39,160	2,373,488
NVIDIA Corp.	63,203	24,011,452
QUALCOMM, Inc.	65,520	5,976,079
Texas Instruments, Inc.	23,828	3,025,441
		<u>72,275,407</u>
Software – 16.1%		
Atlassian Corp. PLC, Class A (A)	38,828	6,999,524
Citrix Systems, Inc.	17,713	2,619,930
Coupa Software, Inc. (A)	4,600	1,274,384
DocuSign, Inc. (A)	59,449	10,237,712
Intuit, Inc.	136,264	40,360,034
Microsoft Corp.	589,151	119,898,120
Paycom Software, Inc. (A)	13,411	4,153,789
salesforce.com, Inc. (A)	212,443	39,796,947
ServiceNow, Inc. (A)	124,373	50,378,527
Splunk, Inc. (A)	96,876	19,249,261
Synopsys, Inc. (A)	71,048	13,854,360
VMware, Inc., Class A (A)(B)	26,189	4,055,629
Workday, Inc., Class A (A)	96,601	18,099,163
Zoom Video Communications, Inc., Class A (A)(B)	12,800	3,245,312
		<u>334,222,692</u>
Technology hardware, storage and peripherals – 3.9%		
Apple, Inc.	219,690	80,142,912
		<u>770,531,560</u>
Materials – 0.4%		
Chemicals – 0.4%		
Air Products & Chemicals, Inc.	796	192,202

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Linde PLC	29,550	\$ 6,267,851
The Sherwin-Williams Company	3,602	2,081,416
		8,541,469
Real estate – 0.0%		
Equity real estate investment trusts – 0.0%		
American Tower Corp.	4,354	1,125,683
Utilities – 0.1%		
Multi-utilities – 0.1%		
Sempra Energy	9,958	1,167,376
TOTAL COMMON STOCKS (Cost \$1,244,646,645)		\$ 2,065,183,939
SHORT-TERM INVESTMENTS – 3.6%		
Short-term funds – 3.6%		
John Hancock Collateral Trust, 0.2429% (C)(D)	6,517,232	65,245,969
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (C)	500,000	500,000
T. Rowe Price Government Reserve Fund, 0.2119% (C)	8,705,301	8,705,301
TOTAL SHORT-TERM INVESTMENTS (Cost \$74,452,826)		\$ 74,451,270
Total Investments (Blue Chip Growth Trust) (Cost \$1,319,099,471) – 103.2%		\$ 2,139,635,209
Other assets and liabilities, net – (3.2%)		(67,117,904)
TOTAL NET ASSETS – 100.0%		\$ 2,072,517,305

Security Abbreviations and Legend

ADR	American Depository Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

Capital Appreciation Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.3%		
Communication services – 15.0%		
Entertainment – 5.0%		
Netflix, Inc. (A)	53,268	\$ 24,239,071
Spotify Technology SA (A)	22,935	5,921,582
		30,160,653
Interactive media and services – 10.0%		
Alphabet, Inc., Class A (A)	9,818	13,922,415
Alphabet, Inc., Class C (A)	9,796	13,847,724
Facebook, Inc., Class A (A)	93,454	21,220,600
Match Group, Inc. (A)	5,692	609,329
Tencent Holdings, Ltd.	162,684	10,424,444
		60,024,512
		90,185,165
Consumer discretionary – 21.6%		
Automobiles – 4.0%		
Tesla, Inc. (A)	22,023	23,780,656
Hotels, restaurants and leisure – 1.4%		
Chipotle Mexican Grill, Inc. (A)	8,104	8,528,325
Internet and direct marketing retail – 9.5%		
Alibaba Group Holding, Ltd., ADR (A)	54,194	11,689,646

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Internet and direct marketing retail (continued)		
Amazon.com, Inc. (A)	16,405	\$ 45,258,442
		56,948,088
Specialty retail – 2.0%		
Carvana Company (A)(B)	19,340	2,324,668
The Home Depot, Inc.	38,252	9,582,509
		11,907,177
Textiles, apparel and luxury goods – 4.7%		
Kering SA	11,364	6,212,914
Lululemon Athletica, Inc. (A)	44,389	13,849,812
NIKE, Inc., Class B	81,413	7,982,545
		28,045,271
		129,209,517
Consumer staples – 3.1%		
Food and staples retailing – 1.5%		
Costco Wholesale Corp.	30,405	9,219,100
Personal products – 1.6%		
The Estee Lauder Companies, Inc., Class A	49,364	9,314,000
		18,533,100
Financials – 2.5%		
Capital markets – 2.5%		
S&P Global, Inc.	23,944	7,889,069
The Goldman Sachs Group, Inc.	36,850	7,282,297
		15,171,366
Health care – 9.5%		
Biotechnology – 2.2%		
BioMarin Pharmaceutical, Inc. (A)(B)	37,656	4,644,491
Vertex Pharmaceuticals, Inc. (A)	28,641	8,314,769
		12,959,260
Health care equipment and supplies – 2.0%		
Danaher Corp.	19,321	3,416,532
DexCom, Inc. (A)	15,399	6,242,755
Intuitive Surgical, Inc. (A)	3,974	2,264,504
		11,923,791
Health care providers and services – 0.6%		
Guardant Health, Inc. (A)	22,459	1,822,099
Humana, Inc.	4,119	1,597,142
		3,419,241
Health care technology – 0.6%		
Teladoc Health, Inc. (A)(B)	20,095	3,834,930
Life sciences tools and services – 0.6%		
Illumina, Inc. (A)	9,874	3,656,836
Pharmaceuticals – 3.5%		
AstraZeneca PLC, ADR	232,879	12,316,970
Eli Lilly & Company	55,036	9,035,810
		21,352,780
		57,146,838
Industrials – 3.4%		
Aerospace and defense – 0.9%		
The Boeing Company	29,475	5,402,768
Road and rail – 2.5%		
Uber Technologies, Inc. (A)	314,692	9,780,627
Union Pacific Corp.	31,975	5,406,013
		15,186,640
		20,589,408
Information technology – 43.5%		
IT services – 14.4%		
Adyen NV (A)(C)	8,703	12,680,247

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Mastercard, Inc., Class A	67,144	\$ 19,854,481
PayPal Holdings, Inc. (A)	80,818	14,080,920
Shopify, Inc., Class A (A)	16,643	15,797,536
Twilio, Inc., Class A (A)	35,780	7,850,848
Visa, Inc., Class A (B)	82,834	16,001,044
		86,265,076
Semiconductors and semiconductor equipment – 3.0%		
NVIDIA Corp.	47,541	18,061,301
Software – 20.6%		
Adobe, Inc. (A)	41,318	17,986,139
Atlassian Corp. PLC, Class A (A)	32,780	5,909,252
Coupa Software, Inc. (A)(B)	26,101	7,231,021
CrowdStrike Holdings, Inc., Class A (A)	56,012	5,617,443
Microsoft Corp.	175,387	35,693,008
RingCentral, Inc., Class A (A)	22,357	6,371,969
salesforce.com, Inc. (A)	95,532	17,896,010
ServiceNow, Inc. (A)	13,494	5,465,880
Splunk, Inc. (A)	49,021	9,740,473
The Trade Desk, Inc., Class A (A)(B)	12,015	4,884,098
Workday, Inc., Class A (A)	36,317	6,804,353
		123,599,646
Technology hardware, storage and peripherals – 5.5%		
Apple, Inc.	89,917	32,801,722
		260,727,745
Real estate – 0.7%		
Equity real estate investment trusts – 0.7%		
American Tower Corp.	15,297	3,954,886
TOTAL COMMON STOCKS (Cost \$389,842,449)		\$ 595,518,025
SHORT-TERM INVESTMENTS – 4.3%		
Short-term funds – 4.3%		
John Hancock Collateral Trust, 0.2429% (D)(E)	2,083,057	20,854,105
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (D)	4,991,229	4,991,229
TOTAL SHORT-TERM INVESTMENTS (Cost \$25,845,859)		\$ 25,845,334
Total Investments (Capital Appreciation Trust) (Cost \$415,688,308) – 103.6%		\$ 621,363,359
Other assets and liabilities, net – (3.6%)		(21,395,773)
TOTAL NET ASSETS – 100.0%		\$ 599,967,586

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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 – 65.9%		
Communication services – 4.1%		

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services – 4.1%		
Alphabet, Inc., Class A (A)	401	\$ 568,638
Alphabet, Inc., Class C (A)(B)	6,877	9,721,396
Facebook, Inc., Class A (A)	24,600	5,585,922
		15,875,956
Consumer discretionary – 6.3%		
Auto components – 0.5%		
Aptiv PLC (B)	24,181	1,884,184
Hotels, restaurants and leisure – 3.7%		
Hilton Worldwide Holdings, Inc. (B)	81,805	6,008,577
Marriott International, Inc., Class A	30,782	2,638,941
Yum! Brands, Inc. (B)	68,769	5,976,714
		14,624,232
Internet and direct marketing retail – 2.1%		
Amazon.com, Inc. (A)	3,024	8,342,672
		24,851,088
Consumer staples – 1.7%		
Beverages – 1.7%		
Keurig Dr. Pepper, Inc.	237,010	6,731,084
Financials – 5.5%		
Banks – 0.5%		
The PNC Financial Services Group, Inc.	17,520	1,843,279
Capital markets – 2.2%		
CME Group, Inc. (B)	17,600	2,860,704
Intercontinental Exchange, Inc.	64,865	5,941,634
		8,802,338
Insurance – 2.8%		
Marsh & McLennan Companies, Inc.	100,461	10,786,498
		21,432,115
Health care – 14.6%		
Health care equipment and supplies – 6.8%		
Alcon, Inc. (A)	58,600	3,367,111
Becton, Dickinson and Company (B)	42,701	10,217,068
Boston Scientific Corp. (A)	72,278	2,537,681
Danaher Corp.	46,959	8,303,760
Envista Holdings Corp. (A)(C)	114,435	2,413,434
		26,839,054
Health care providers and services – 3.9%		
Humana, Inc. (B)	22,761	8,825,578
UnitedHealth Group, Inc.	21,834	6,439,938
		15,265,516
Life sciences tools and services – 3.9%		
Avantor, Inc. (A)(B)	92,029	1,564,493
PerkinElmer, Inc. (C)	61,179	6,001,048
Thermo Fisher Scientific, Inc.	20,921	7,580,515
		15,146,056
		57,250,626
Industrials – 8.4%		
Commercial services and supplies – 0.5%		
Waste Connections, Inc.	20,898	1,960,023
Industrial conglomerates – 4.4%		
General Electric Company	2,106,965	14,390,571
Roper Technologies, Inc. (B)	7,307	2,837,016
		17,227,587
Machinery – 3.5%		
Fortive Corp. (C)	140,470	9,504,200
Ingersoll Rand, Inc. (A)	145,262	4,084,767
		13,588,967
		32,776,577
Information technology – 14.2%		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components – 0.5%		
TE Connectivity, Ltd.	24,822	\$ 2,024,234
IT services – 5.9%		
Fiserv, Inc. (A)	96,756	9,445,321
Global Payments, Inc. (B)	41,935	7,113,015
Visa, Inc., Class A (B)	33,086	6,391,223
		22,949,559
Semiconductors and semiconductor equipment – 2.7%		
Maxim Integrated Products, Inc.	58,162	3,525,199
NXP Semiconductors NV (B)	63,061	7,191,468
		10,716,667
Software – 5.1%		
Microsoft Corp. (B)	98,500	20,045,735
		55,736,195
Materials – 1.3%		
Chemicals – 1.3%		
Linde PLC	23,871	5,063,278
Utilities – 9.8%		
Electric utilities – 6.1%		
Alliant Energy Corp.	48,243	2,307,945
American Electric Power Company, Inc.	146,539	11,670,366
Exelon Corp.	112,393	4,078,742
NextEra Energy, Inc. (B)	9,424	2,263,362
Xcel Energy, Inc. (B)	57,173	3,573,313
		23,893,728
Gas utilities – 0.8%		
Atmos Energy Corp.	31,352	3,122,032
Multi-utilities – 2.9%		
Ameren Corp.	91,306	6,424,290
NiSource, Inc. (C)	223,461	5,081,503
		11,505,793
		38,521,553
TOTAL COMMON STOCKS (Cost \$230,604,263)		\$ 258,238,472
PREFERRED SECURITIES – 4.1%		
Financials – 1.3%		
Banks – 1.2%		
JPMorgan Chase & Co., 5.750%	1,139	30,092
U.S. Bancorp, 5.500%	12,419	324,136
U.S. Bancorp (6.500% to 1-15-22, then 3 month LIBOR + 4.447%)	6,300	164,304
Wells Fargo & Company, 7.500%	3,282	4,256,754
		4,775,286
Capital markets – 0.1%		
The Charles Schwab Corp., 5.950%	1,000	25,880
The Charles Schwab Corp., 6.000%	6,432	163,952
		189,832
		4,965,118
Health care – 1.0%		
Health care equipment and supplies – 0.3%		
Boston Scientific Corp., 5.500%	12,465	1,304,961
Life sciences tools and services – 0.7%		
Avantor, Inc., 6.250%	46,612	2,675,529
		3,980,490
Industrials – 0.2%		
Machinery – 0.2%		
Fortive Corp., 5.000%	907	783,648
Utilities – 1.6%		
Electric utilities – 0.7%		
Alabama Power Company, 5.000%	9,749	250,744

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Electric utilities (continued)		
American Electric Power Company, Inc., 6.125% (C)	9,302	\$ 450,310
Duke Energy Corp., 5.625%	26,560	704,637
NextEra Energy, Inc., 5.279%	22,612	959,879
SCE Trust III (5.750% to 3-15-24, then 3 month LIBOR + 2.990%)	657	14,231
SCE Trust IV (5.375% to 9-15-25, then 3 month LIBOR + 3.132%)	27,553	560,428
		2,940,229
Multi-utilities – 0.9%		
CMS Energy Corp., 5.875%	41,200	1,053,896
CMS Energy Corp., 5.875%	50,000	1,310,500
DTE Energy Company, 5.250%	27,636	694,216
NiSource, Inc. (6.500% to 3-15-24, then 5 Year CMT + 3.632%)	20,000	516,200
		3,574,812
		6,515,041
TOTAL PREFERRED SECURITIES (Cost \$16,025,033)		\$ 16,244,297
CORPORATE BONDS - 9.6%		
Communication services - 3.3%		
CCO Holdings LLC		
4.000%, 03/01/2023 (D)	\$ 416,000	417,040
5.000%, 02/01/2028 (D)	2,095,000	2,163,088
5.125%, 05/01/2027 (D)	1,341,000	1,387,399
5.875%, 04/01/2024 (D)	555,000	572,344
Level 3 Financing, Inc. 5.375%, 08/15/2022	336,000	336,161
Netflix, Inc.		
4.375%, 11/15/2026	1,260,000	1,310,614
4.875%, 04/15/2028	1,680,000	1,796,374
5.500%, 02/15/2022	45,000	46,924
5.875%, 02/15/2025 to 11/15/2028	2,755,000	3,123,092
6.375%, 05/15/2029	1,165,000	1,357,225
Sirius XM Radio, Inc.		
3.875%, 08/01/2022 (D)	45,000	45,281
4.625%, 05/15/2023 (D)	85,000	85,468
T-Mobile USA, Inc.		
6.000%, 03/01/2023	165,000	165,667
6.500%, 01/15/2026	80,000	83,590
		12,890,267
Consumer discretionary - 2.2%		
Cedar Fair LP		
5.250%, 07/15/2029 (D)	374,000	338,141
5.375%, 06/01/2024 to 04/15/2027	1,213,000	1,117,386
Hilton Domestic Operating Company, Inc. 4.250%, 09/01/2024	205,000	198,891
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
4.750%, 06/01/2027 (D)	1,442,000	1,478,050
5.000%, 06/01/2024 (D)	567,000	577,631
5.250%, 06/01/2026 (D)	945,000	968,625
Marriott International, Inc. 3.125%, 06/15/2026	120,000	116,725
Marriott International, Inc. (3 month LIBOR + 0.650%) 0.968%, 03/08/2021 (E)	135,000	133,703
Service Corp. International 5.375%, 05/15/2024	250,000	254,688
Six Flags Entertainment Corp. 4.875%, 07/31/2024 (D)	214,000	191,265
5.500%, 04/15/2027 (D)	216,000	193,050

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Six Flags Theme Parks, Inc. 7.000%, 07/01/2025 (D)	\$ 40,000	\$ 41,350
Yum! Brands, Inc. 3.750%, 11/01/2021	950,000	957,125
3.875%, 11/01/2020 to 11/01/2023	967,000	979,650
4.750%, 01/15/2030 (D)	2,000	2,030
5.350%, 11/01/2043	579,000	555,840
6.875%, 11/15/2037	367,000	394,525
		8,498,675
Energy - 0.0%		
NuStar Logistics LP 4.800%, 09/01/2020	175,000	175,000
Financials - 0.7%		
HUB International, Ltd. 7.000%, 05/01/2026 (D)	25,000	25,000
Refinitiv US Holdings, Inc. 6.250%, 05/15/2026 (D)	550,000	583,000
8.250%, 11/15/2026 (D)	610,000	660,612
State Street Corp. (5.250% to 9-15-20, then 3 month LIBOR + 3.597%) 09/15/2020 (F)	435,000	415,229
The Bank of New York Mellon Corp. (3 month LIBOR + 3.420%) 3.726%, 09/20/2020 (E)(F)	450,000	426,915
The Bank of New York Mellon Corp. (4.625% to 9-20-26, then 3 month LIBOR + 3.131%) 09/20/2026 (F)	295,000	290,398
The PNC Financial Services Group, Inc. (5.000% to 11-1-26, then 3 month LIBOR + 3.300%) 11/01/2026 (F)	390,000	395,655
USI, Inc. 6.875%, 05/01/2025 (D)	154,000	155,348
		2,952,157
Health care - 1.2%		
Avantor, Inc. 6.000%, 10/01/2024 (D)	585,000	611,325
9.000%, 10/01/2025 (D)	2,490,000	2,682,975
Elanco Animal Health, Inc. 4.662%, 08/27/2021	416,000	424,320
Hologic, Inc. 4.375%, 10/15/2025 (D)	257,000	259,516
Teleflex, Inc. 4.625%, 11/15/2027	285,000	301,305
4.875%, 06/01/2026	331,000	341,559
		4,621,000
Industrials - 1.1%		
Continental Airlines 2012-1 Class A Pass Through Trust 4.150%, 04/11/2024	163,867	152,397
General Electric Company (5.000% to 1-21-21, then 3 month LIBOR + 3.330%) 01/21/2021 (F)	2,920,000	2,292,492
Korn Ferry 4.625%, 12/15/2027 (D)	90,000	87,300
Lennox International, Inc. 3.000%, 11/15/2023	90,000	92,840
Mileage Plus Holdings LLC 6.500%, 06/20/2027 (D)	280,000	279,390
Sensata Technologies BV 4.875%, 10/15/2023 (D)	110,000	114,182
5.000%, 10/01/2025 (D)	325,000	346,028

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Sensata Technologies BV (continued) 5.625%, 11/01/2024 (D)	\$ 90,000	\$ 95,400
Sensata Technologies UK Financing Company PLC 6.250%, 02/15/2026 (D)	200,000	207,500
US Airways 2010-1 Class A Pass Through Trust 6.250%, 04/22/2023	106,837	86,536
US Airways 2012-2 Class A Pass Through Trust 4.625%, 06/03/2025	13,954	11,514
US Airways 2012-2 Class B Pass Through Trust 6.750%, 06/03/2021	48,752	39,160
US Airways 2013-1 Class A Pass Through Trust 3.950%, 11/15/2025	154,190	127,222
US Airways 2013-1 Class B Pass Through Trust 5.375%, 11/15/2021	52,189	41,910
Welbilt, Inc. 9.500%, 02/15/2024	362,000	345,710
Xylem, Inc. 4.875%, 10/01/2021	60,000	63,152
		4,382,733
Information technology - 0.5%		
Solera LLC 10.500%, 03/01/2024 (D)	2,115,000	2,157,300
Materials - 0.2%		
Reynolds Group Issuer, Inc. 5.125%, 07/15/2023 (D)	440,000	445,179
Reynolds Group Issuer, Inc. (3 month LIBOR + 3.500%) 4.719%, 07/15/2021 (C)(D)(E)	195,000	193,538
		638,717
Real estate - 0.3%		
SBA Communications Corp. 3.875%, 02/15/2027 (D)	195,000	194,025
4.000%, 10/01/2022	550,000	556,188
4.875%, 09/01/2024	250,000	256,273
		1,006,486
Utilities - 0.1%		
NiSource, Inc. (5.650% to 6-15-23, then 5 Year CMT + 2.843%) 06/15/2023 (F)	575,000	549,125
TOTAL CORPORATE BONDS (Cost \$37,176,266)		\$ 37,871,460
TERM LOANS (G) - 6.6%		
Communication services - 0.2%		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%) 3.500%, 02/01/2024	630,000	598,109
Consumer discretionary - 0.2%		
Four Seasons Hotels, Ltd., New 1st Lien Term Loan (1 month LIBOR + 2.000%) 2.178%, 11/30/2023	523,643	494,843
Life Time, Inc., 2017 Term Loan B (3 month LIBOR + 2.750%) 3.750%, 06/10/2022	174,551	154,151
		648,994

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G)(continued)		
Consumer staples – 0.2%		
Prestige Brands, Inc., Term Loan B4 (1 month LIBOR + 2.000%) 2.178%, 01/26/2024	\$ 25,651	\$ 25,163
Sunshine Luxembourg VII Sarl, USD Term Loan B1 (6 month LIBOR + 4.250%) 5.322%, 10/01/2026	976,347	932,821
		957,984
Financials – 3.9%		
Alliant Holdings Intermediate LLC, 2018 Term Loan B (1 month LIBOR + 2.750%) 2.928%, 05/09/2025	49,873	47,164
AmWINS Group, Inc., 2017 Term Loan B (1 month LIBOR + 2.750%) 3.750%, 01/25/2024	114,112	110,653
Emerald TopCo, Inc., Term Loan (3 month LIBOR + 3.500%) 4.260%, 07/24/2026	721,059	697,624
HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 3.000%) 4.020%, 04/25/2025	5,151,812	4,889,946
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 5.000%, 04/25/2025	1,219,062	1,195,900
Refinitiv US Holdings, Inc., 2018 USD Term Loan (1 month LIBOR + 3.250%) 3.428%, 10/01/2025	7,775,668	7,587,108
USI, Inc., 2017 Repriced Term Loan (3 month LIBOR + 3.000%) 3.308%, 05/16/2024	721,866	683,607
		15,212,002
Health care – 0.5%		
CPI Holdco LLC, 2019 Term Loan (3 month LIBOR + 4.250%) 4.428%, 11/04/2026	99,750	95,760
Dino Grandparent, Inc., 2019 Term Loan A3 (1 month LIBOR + 2.250%) 2.438%, 02/20/2023	850,000	833,000
Loire Finco Luxembourg Sarl, Term Loan (1 month LIBOR + 3.500%) 3.678%, 04/21/2027	1,165,000	1,116,944
		2,045,704
Industrials – 0.2%		
Filtration Group Corp., 2018 1st Lien Term Loan (1 month LIBOR + 3.000%) 3.180%, 03/29/2025	94,748	90,011
United Airlines, Inc., 2020 Term Loan B TBD 06/25/2027 (H)	605,000	600,208
Welbilt, Inc., 2018 Term Loan B (1 month LIBOR + 2.500%) 2.678%, 10/23/2025	175,000	150,500
		840,719
Information technology – 1.3%		
CCC Information Services, Inc., 2017 1st Lien Term Loan (1 month LIBOR + 3.000%) 4.000%, 04/29/2024	2,409,004	2,323,677
Gartner, Inc., 2016 Term Loan A (1 month LIBOR + 1.500%) 1.678%, 03/20/2022	30,422	29,966
Kronos, Inc., 2017 Term Loan B (1 month LIBOR + 3.000%) 3.179%, 11/01/2023	2,742,845	2,736,838

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G)(continued)		
Information technology (continued)		
The Ultimate Software Group, Inc., Term Loan B (1 month LIBOR + 3.750%) 3.928%, 05/04/2026	\$ 163,763	\$ 158,385
		5,248,866
Materials – 0.1%		
HB Fuller Company, 2017 Term Loan B (1 month LIBOR + 2.000%) 2.190%, 10/20/2024	195,475	188,334
TOTAL TERM LOANS (Cost \$26,397,716)		\$ 25,740,712
ASSET BACKED SECURITIES - 0.4%		
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (D)	507,000	546,800
Domino's Pizza Master Issuer LLC Series 2018-1A, Class A21 4.116%, 07/25/2048 (D)	481,425	512,496
Domino's Pizza Master Issuer LLC Series 2019-1A, Class A2 3.668%, 10/25/2049 (D)	213,925	224,106
Wendy's Funding LLC Series 2018-1A, Class A21 3.573%, 03/15/2048 (D)	324,675	336,509
TOTAL ASSET BACKED SECURITIES (Cost \$1,514,839)		\$ 1,619,911
SHORT-TERM INVESTMENTS – 15.5%		
Short-term funds – 14.8%		
John Hancock Collateral Trust, 0.2429% (I)(J)	360,789	3,611,969
T. Rowe Price Government Reserve Fund, 0.2119% (I)	54,101,830	54,101,830
		57,713,799
Repurchase agreement – 0.7%		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$2,825,000 on 7-1-20, collateralized by \$2,874,900 U.S. Treasury Notes, 0.250% due 6-15-23 (valued at \$2,881,597)	\$ 2,825,000	2,825,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$60,538,823)		\$ 60,538,799
Total Investments (Capital Appreciation Value Trust)		
		\$ 400,253,651
(Cost \$372,256,940) – 102.1%		
Other assets and liabilities, net – (2.1%)		
		(8,354,636)
TOTAL NET ASSETS – 100.0%		
		\$ 391,899,015

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
(A)	Non-income producing security.
(B)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
(C)	All or a portion of this security is on loan as of 6-30-20.
(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)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(F)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(G)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

(H) This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).

Capital Appreciation Value Trust (continued)

(I) The rate shown is the annualized seven-day yield as of 6-30-20.
(J) 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	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls							
CITI	Alphabet, Inc., Class C	USD 1,500.00	Jan 2021	2	200	\$ 16,014	\$ (18,360)
CITI	Alphabet, Inc., Class C	USD 1,500.00	Jan 2021	2	200	15,094	(18,360)
CITI	Alphabet, Inc., Class C	USD 1,500.00	Jan 2021	2	200	14,774	(18,360)
CITI	Alphabet, Inc., Class C	USD 1,500.00	Jan 2021	1	100	6,377	(9,180)
GSI	Alphabet, Inc., Class C	USD 1,740.00	Jan 2021	1	100	4,717	(2,694)
GSI	Alphabet, Inc., Class C	USD 1,740.00	Jan 2021	1	100	4,687	(2,694)
GSI	Alphabet, Inc., Class C	USD 1,740.00	Jan 2021	1	100	4,427	(2,694)
GSI	Alphabet, Inc., Class C	USD 1,760.00	Jan 2021	1	100	4,247	(2,399)
GSI	Alphabet, Inc., Class C	USD 1,760.00	Jan 2021	1	100	4,227	(2,399)
GSI	Alphabet, Inc., Class C	USD 1,760.00	Jan 2021	1	100	3,997	(2,399)
GSI	Alphabet, Inc., Class C	USD 1,800.00	Jan 2021	1	100	3,827	(2,133)
GSI	Alphabet, Inc., Class C	USD 1,780.00	Jan 2021	1	100	3,827	(2,133)
GSI	Alphabet, Inc., Class C	USD 1,780.00	Jan 2021	1	100	3,587	(2,133)
GSI	Alphabet, Inc., Class C	USD 1,800.00	Jan 2021	1	100	3,447	(1,894)
GSI	Alphabet, Inc., Class C	USD 1,800.00	Jan 2021	1	100	3,437	(1,894)
GSI	Alphabet, Inc., Class C	USD 1,800.00	Jan 2021	1	100	3,217	(1,894)
CITI	American Electric Power Company, Inc.	USD 105.00	Jan 2021	56	5,600	8,792	(1,923)
CITI	American Electric Power Company, Inc.	USD 105.00	Jan 2021	55	5,500	8,635	(1,889)
CITI	American Electric Power Company, Inc.	USD 115.00	Jan 2021	33	3,300	5,825	(263)
GSI	Aptiv PLC	USD 97.50	Jan 2021	12	1,200	6,671	(6,328)
GSI	Aptiv PLC	USD 97.50	Jan 2021	12	1,200	8,010	(6,328)
GSI	Aptiv PLC	USD 100.00	Jan 2021	13	1,300	6,189	(6,043)
GSI	Aptiv PLC	USD 100.00	Jan 2021	12	1,200	6,907	(5,578)
CSFB	Avantor, Inc.	USD 15.00	Jan 2021	34	3,400	4,032	(13,003)
CSFB	Avantor, Inc.	USD 20.00	Jan 2021	10	1,000	2,211	(1,342)
CSFB	Avantor, Inc.	USD 20.00	Jan 2021	40	4,000	9,356	(5,367)
CSFB	Avantor, Inc.	USD 22.50	Jan 2021	10	1,000	1,123	(751)
CSFB	Avantor, Inc.	USD 22.50	Jan 2021	40	4,000	4,896	(3,004)
GSI	Becton, Dickinson and Company	USD 260.00	Jan 2021	6	600	10,539	(7,489)
GSI	Becton, Dickinson and Company	USD 270.00	Jan 2021	6	600	8,434	(5,570)
GSI	Becton, Dickinson and Company	USD 280.00	Jan 2021	5	500	6,327	(3,383)
GSI	Becton, Dickinson and Company	USD 280.00	Jan 2021	5	500	6,927	(3,383)
GSI	Becton, Dickinson and Company	USD 300.00	Jan 2021	4	400	3,743	(1,368)
GSI	Becton, Dickinson and Company	USD 300.00	Jan 2021	10	1,000	9,138	(3,420)
GSI	Becton, Dickinson and Company	USD 300.00	Jan 2021	14	1,400	13,990	(4,788)
GSI	Becton, Dickinson and Company	USD 300.00	Jan 2021	12	1,200	14,557	(4,104)
GSI	Becton, Dickinson and Company	USD 300.00	Jan 2021	5	500	3,364	(1,710)
GSI	Becton, Dickinson and Company	USD 300.00	Jan 2021	5	500	3,746	(1,710)
CSFB	CME Group, Inc.	USD 170.00	Jan 2021	12	1,200	13,050	(14,954)
CSFB	CME Group, Inc.	USD 170.00	Jan 2021	3	300	3,326	(3,329)
CSFB	CME Group, Inc.	USD 175.00	Jan 2021	12	1,200	10,080	(12,585)
CSFB	CME Group, Inc.	USD 175.00	Jan 2021	3	300	2,941	(2,941)
CSFB	CME Group, Inc.	USD 180.00	Jan 2021	12	1,200	9,158	(10,514)
CSFB	CME Group, Inc.	USD 180.00	Jan 2021	3	300	2,343	(2,343)
CSFB	CME Group, Inc.	USD 185.00	Jan 2021	12	1,200	6,916	(8,724)
CSFB	CME Group, Inc.	USD 185.00	Jan 2021	3	300	1,955	(1,955)
JPM	Danaher Corp.	USD 150.00	Jan 2021	10	1,000	10,870	(32,798)
JPM	Danaher Corp.	USD 160.00	Jan 2021	10	1,000	13,417	(25,299)
JPM	Danaher Corp.	USD 180.00	Jan 2021	10	1,000	8,977	(13,190)
JPM	Danaher Corp.	USD 185.00	Jan 2021	20	2,000	9,463	(21,753)
JPM	Danaher Corp.	USD 190.00	Jan 2021	19	1,900	6,437	(16,843)
JPM	Danaher Corp.	USD 190.00	Jan 2021	10	1,000	5,963	(8,865)
JPM	Facebook, Inc., Class A	USD 195.00	Jan 2021	12	1,200	13,453	(53,474)
JPM	Facebook, Inc., Class A	USD 200.00	Jan 2021	12	1,200	11,487	(49,388)
JPM	Facebook, Inc., Class A	USD 265.00	Jan 2021	11	1,100	11,022	(12,373)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/ Exchange-traded	Name of issuer	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)							
JPM	Facebook, Inc., Class A	USD 265.00	Jan 2021	9	900	\$ 8,928	\$ (10,124)
JPM	Facebook, Inc., Class A	USD 270.00	Jan 2021	11	1,100	9,757	(10,982)
JPM	Facebook, Inc., Class A	USD 270.00	Jan 2021	9	900	7,893	(8,985)
JPM	Facebook, Inc., Class A	USD 275.00	Jan 2021	11	1,100	8,602	(9,723)
JPM	Facebook, Inc., Class A	USD 275.00	Jan 2021	9	900	6,903	(7,955)
JPM	General Electric Company	USD 8.00	Jan 2021	340	34,000	41,174	(23,936)
JPM	General Electric Company	USD 15.00	Jan 2021	347	34,700	18,044	(1,995)
JPM	General Electric Company	USD 15.00	Jan 2021	347	34,700	19,612	(1,995)
JPM	General Electric Company	USD 15.00	Jan 2021	684	68,400	57,559	(3,933)
JPM	General Electric Company	USD 15.00	Jan 2021	342	34,200	29,200	(1,966)
JPM	General Electric Company	USD 15.00	Jan 2021	205	20,500	17,888	(1,179)
GSI	Global Payments, Inc.	USD 185.00	Dec 2020	5	500	7,063	(5,868)
GSI	Global Payments, Inc.	USD 185.00	Dec 2020	5	500	7,243	(5,868)
GSI	Global Payments, Inc.	USD 195.00	Dec 2020	5	500	5,090	(4,232)
GSI	Global Payments, Inc.	USD 195.00	Dec 2020	5	500	5,292	(4,232)
CSFB	Hilton Worldwide Holdings, Inc.	USD 87.50	Jan 2021	4	400	3,023	(1,988)
CSFB	Hilton Worldwide Holdings, Inc.	USD 90.00	Jan 2021	4	400	2,660	(1,711)
CITI	Hilton Worldwide Holdings, Inc.	USD 125.00	Jan 2021	9	900	4,868	(282)
CITI	Hilton Worldwide Holdings, Inc.	USD 130.00	Jan 2021	9	900	3,528	(183)
CSFB	Humana, Inc.	USD 370.00	Jan 2021	6	600	20,272	(30,816)
CSFB	Humana, Inc.	USD 380.00	Jan 2021	6	600	17,694	(27,314)
CSFB	Humana, Inc.	USD 420.00	Jan 2021	5	500	13,832	(13,064)
CSFB	Humana, Inc.	USD 430.00	Jan 2021	5	500	12,002	(11,144)
JPM	Ingersoll Rand, Inc.	USD 35.00	Dec 2020	50	5,000	7,594	(5,085)
JPM	Ingersoll Rand, Inc.	USD 35.00	Dec 2020	50	5,000	9,350	(5,085)
JPM	Intercontinental Exchange, Inc.	USD 100.00	Jan 2021	20	2,000	11,846	(8,348)
JPM	Intercontinental Exchange, Inc.	USD 105.00	Jan 2021	20	2,000	8,081	(5,456)
CITI	Keurig Dr. Pepper, Inc.	USD 29.00	Oct 2020	67	6,700	7,046	(9,664)
CITI	Keurig Dr. Pepper, Inc.	USD 30.00	Oct 2020	68	6,800	8,458	(7,071)
CITI	Keurig Dr. Pepper, Inc.	USD 31.00	Oct 2020	68	6,800	6,594	(4,940)
CITI	Microsoft Corp.	USD 165.00	Jan 2021	40	4,000	50,890	(177,493)
CSFB	Microsoft Corp.	USD 165.00	Jan 2021	70	7,000	47,257	(310,613)
CSFB	Microsoft Corp.	USD 165.00	Jan 2021	67	6,700	46,364	(297,301)
CITI	Microsoft Corp.	USD 170.00	Jan 2021	40	4,000	43,089	(161,817)
JPM	Microsoft Corp.	USD 170.00	Jan 2021	102	10,200	110,874	(412,632)
JPM	Microsoft Corp.	USD 170.00	Jan 2021	55	5,500	58,482	(222,498)
CSFB	NextEra Energy, Inc.	USD 310.00	Jan 2021	8	800	6,708	(1,393)
CSFB	NextEra Energy, Inc.	USD 320.00	Jan 2021	7	700	4,157	(780)
JPM	NXP Semiconductors NV	USD 115.00	Jan 2021	8	800	8,027	(12,072)
JPM	NXP Semiconductors NV	USD 125.00	Jan 2021	8	800	5,456	(8,531)
CSFB	NXP Semiconductors NV	USD 140.00	Jan 2021	23	2,300	17,038	(13,445)
CSFB	NXP Semiconductors NV	USD 140.00	Jan 2021	10	1,000	7,002	(5,846)
CSFB	NXP Semiconductors NV	USD 140.00	Jan 2021	54	5,400	40,910	(31,566)
JPM	PerkinElmer, Inc.	USD 110.00	Dec 2020	2	200	1,053	(956)
JPM	PerkinElmer, Inc.	USD 110.00	Dec 2020	11	1,100	6,220	(5,257)
JPM	PerkinElmer, Inc.	USD 115.00	Dec 2020	2	200	517	(686)
JPM	PerkinElmer, Inc.	USD 115.00	Dec 2020	11	1,100	2,423	(3,774)
GSI	Roper Technologies, Inc.	USD 430.00	Aug 2020	6	600	4,551	(1,762)
GSI	Roper Technologies, Inc.	USD 370.00	Nov 2020	6	600	10,239	(25,882)
GSI	Roper Technologies, Inc.	USD 390.00	Nov 2020	6	600	5,574	(19,062)
GSI	Roper Technologies, Inc.	USD 420.00	Nov 2020	6	600	7,632	(11,185)
GSI	Roper Technologies, Inc.	USD 440.00	Nov 2020	6	600	4,324	(7,452)
RBC	Thermo Fisher Scientific, Inc.	USD 370.00	Jan 2021	6	600	8,435	(16,207)
RBC	Thermo Fisher Scientific, Inc.	USD 390.00	Jan 2021	7	700	5,797	(13,184)
RBC	Thermo Fisher Scientific, Inc.	USD 400.00	Jan 2021	10	1,000	7,797	(15,496)
RBC	Thermo Fisher Scientific, Inc.	USD 400.00	Jan 2021	18	1,800	12,731	(27,892)
RBC	Thermo Fisher Scientific, Inc.	USD 400.00	Jan 2021	4	400	2,838	(6,198)
RBC	Thermo Fisher Scientific, Inc.	USD 400.00	Jan 2021	2	200	1,859	(3,099)
JPM	UnitedHealth Group, Inc.	USD 320.00	Jan 2021	6	600	10,285	(11,823)
JPM	UnitedHealth Group, Inc.	USD 330.00	Jan 2021	6	600	8,280	(9,682)
GSI	Visa, Inc., Class A	USD 185.00	Jan 2021	6	600	10,842	(13,500)
GSI	Visa, Inc., Class A	USD 195.00	Jan 2021	6	600	8,286	(10,098)
GSI	Visa, Inc., Class A	USD 200.00	Jan 2021	13	1,300	14,552	(18,644)
GSI	Visa, Inc., Class A	USD 210.00	Jan 2021	14	1,400	11,154	(14,120)
GSI	Visa, Inc., Class A	USD 210.00	Jan 2021	17	1,700	21,498	(17,145)

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/ Exchange-traded	Name of issuer	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)							
GSI	Visa, Inc., Class A	USD 210.00	Jan 2021	6	600	\$ 7,740	\$ (6,051)
GSI	Visa, Inc., Class A	USD 210.00	Jan 2021	5	500	4,305	(5,043)
GSI	Visa, Inc., Class A	USD 210.00	Jan 2021	5	500	4,552	(4,552)
GSI	Visa, Inc., Class A	USD 215.00	Jan 2021	5	500	3,178	(4,157)
GSI	Visa, Inc., Class A	USD 215.00	Jan 2021	5	500	3,397	(3,397)
GSI	Visa, Inc., Class A	USD 220.00	Jan 2021	6	600	5,293	(4,063)
GSI	Visa, Inc., Class A	USD 220.00	Jan 2021	5	500	2,800	(3,386)
GSI	Visa, Inc., Class A	USD 220.00	Jan 2021	5	500	2,985	(2,985)
CSFB	Visa, Inc., Class A	USD 230.00	Jan 2021	28	2,800	21,832	(12,108)
CSFB	Visa, Inc., Class A	USD 230.00	Jan 2021	17	1,700	12,087	(7,352)
GSI	Visa, Inc., Class A	USD 230.00	Jan 2021	7	700	6,599	(3,027)
GSI	Visa, Inc., Class A	USD 230.00	Jan 2021	8	800	8,185	(3,460)
CSFB	Visa, Inc., Class A	USD 235.00	Jan 2021	28	2,800	17,746	(9,488)
CSFB	Visa, Inc., Class A	USD 235.00	Jan 2021	17	1,700	9,833	(5,760)
CSFB	Visa, Inc., Class A	USD 240.00	Jan 2021	28	2,800	14,361	(7,335)
CSFB	Visa, Inc., Class A	USD 240.00	Jan 2021	17	1,700	7,903	(4,453)
GSI	Visa, Inc., Class A	USD 240.00	Jan 2021	7	700	4,472	(1,834)
GSI	Visa, Inc., Class A	USD 240.00	Jan 2021	9	900	6,333	(2,358)
CSFB	Xcel Energy, Inc.	USD 60.00	Oct 2020	24	2,400	9,730	(12,649)
CSFB	Xcel Energy, Inc.	USD 65.00	Oct 2020	25	2,500	5,078	(6,390)
CSFB	Xcel Energy, Inc.	USD 65.00	Oct 2020	34	3,400	17,697	(8,690)
CSFB	Xcel Energy, Inc.	USD 70.00	Dec 2020	27	2,700	7,544	(4,813)
CSFB	Xcel Energy, Inc.	USD 70.00	Dec 2020	26	2,600	3,908	(4,635)
CSFB	Xcel Energy, Inc.	USD 75.00	Dec 2020	27	2,700	3,332	(2,190)
BOA	Yum! Brands, Inc.	USD 95.00	Jan 2021	5	500	3,305	(2,553)
BOA	Yum! Brands, Inc.	USD 95.00	Jan 2021	15	1,500	8,439	(7,659)
BOA	Yum! Brands, Inc.	USD 100.00	Jan 2021	5	500	2,435	(1,757)
BOA	Yum! Brands, Inc.	USD 100.00	Jan 2021	16	1,600	6,440	(5,623)
CITI	Yum! Brands, Inc.	USD 100.00	Jan 2021	17	1,700	8,446	(5,974)
CITI	Yum! Brands, Inc.	USD 100.00	Jan 2021	16	1,600	6,854	(5,623)
CITI	Yum! Brands, Inc.	USD 105.00	Jan 2021	17	1,700	5,805	(3,980)
CITI	Yum! Brands, Inc.	USD 105.00	Jan 2021	16	1,600	4,389	(3,746)
						\$1,631,413	\$(2,782,998)

Derivatives Currency Abbreviations

USD U.S. Dollar

Derivatives Abbreviations

BOA Bank of America, N.A.
 CITI Citibank, N.A.
 CSFB Credit Suisse First Boston International
 GSI Goldman Sachs International
 JPM JPMorgan Chase Bank, N.A.
 OTC Over-the-counter
 RBC Royal Bank of Canada

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

Disciplined Value International Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.1%		
Australia - 0.5%		
Orica, Ltd.	114,082	\$ 1,319,311
Bermuda - 1.2%		
Everest Re Group, Ltd.	15,505	3,197,131
Canada - 4.0%		
Barrick Gold Corp.	130,999	3,524,892
Kinross Gold Corp. (A)	469,786	3,391,855
Yamana Gold, Inc.	630,069	3,440,177
		<u>10,356,924</u>

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China - 1.1%		
Alibaba Group Holding, Ltd. (A)	54,000	\$ 1,457,125
Topsports International Holdings, Ltd. (B)	1,143,000	1,470,542
		<u>2,927,667</u>
Denmark - 1.3%		
Novo Nordisk A/S, B Shares	50,370	3,281,491
Finland - 1.6%		
Sampo OYJ, A Shares	115,975	3,997,616
France - 14.2%		
AXA SA	188,750	3,971,835

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
BNP Paribas SA (A)	109,298	\$ 4,366,872
Capgemini SE	53,289	6,149,602
Danone SA	18,430	1,279,279
Eiffage SA (A)	44,248	4,056,046
Peugeot SA (A)	128,554	2,108,165
Rexel SA	94,497	1,083,039
Sanofi	50,327	5,132,559
TOTAL SA (C)	139,591	5,382,383
Vinci SA (C)	34,148	3,166,300
		36,696,080
Germany - 6.0%		
Allianz SE	24,351	4,975,920
Bayer AG	39,720	2,944,174
Brenntag AG	35,179	1,865,185
Rheinmetall AG	17,943	1,559,191
SAP SE	10,140	1,417,459
Siemens AG	22,525	2,656,523
		15,418,452
Greece - 0.8%		
Hellenic Telecommunications Organization SA	143,885	1,943,590
Hong Kong - 1.7%		
China Overseas Land & Investment, Ltd.	494,000	1,508,398
CK Asset Holdings, Ltd.	221,500	1,328,290
WH Group, Ltd. (B)	1,839,500	1,589,686
		4,426,374
Hungary - 0.9%		
OTP Bank NYRT (A)	69,474	2,442,380
India - 0.6%		
HDFC Bank, Ltd., ADR	31,249	1,420,580
Indonesia - 0.7%		
Bank Rakyat Indonesia Persero Tbk PT	8,741,800	1,865,877
Ireland - 1.0%		
CRH PLC	76,540	2,626,645
Italy - 1.8%		
Enel SpA	314,217	2,717,476
Leonardo SpA	294,742	1,964,843
		4,682,319
Japan - 21.9%		
Fuji Corp.	104,500	1,835,988
Hitachi, Ltd.	201,400	6,401,465
Kamigumi Company, Ltd.	45,500	894,826
KDDI Corp.	161,800	4,827,650
Kinden Corp.	80,800	1,335,375
Koito Manufacturing Company, Ltd.	38,800	1,569,832
Kurita Water Industries, Ltd.	44,900	1,249,034
Kyudenko Corp.	35,900	1,059,687
NEC Corp.	68,200	3,276,716
Nintendo Company, Ltd.	3,000	1,341,207
Nippon Telegraph & Telephone Corp.	120,300	2,802,924
Persol Holdings Company, Ltd.	66,000	909,934
Rengo Company, Ltd.	156,600	1,276,574
Sankyu, Inc.	26,900	1,013,880
Sanwa Holdings Corp.	271,500	2,439,859
Seven & i Holdings Company, Ltd.	36,800	1,203,858
SoftBank Group Corp.	32,300	1,628,814
Sony Corp.	93,100	6,426,710
Sumitomo Mitsui Financial Group, Inc.	89,900	2,537,140
Taiheiy Cement Corp.	81,600	1,895,907
Taisei Corp.	57,400	2,092,007
Taiyo Yuden Company, Ltd.	61,500	1,923,131
Tokyo Electron, Ltd.	10,300	2,541,461
TS Tech Company, Ltd.	47,900	1,320,402

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Zenkoku Hosho Company, Ltd.	71,000	\$ 2,682,234
		56,486,615
Macau - 0.5%		
Wynn Macau, Ltd.	711,200	1,233,530
Malta - 0.0%		
BGP Holdings PLC (A)(D)	2,126,418	0
Netherlands - 5.2%		
Aalberts NV	38,651	1,267,392
ING Groep NV	420,061	2,928,193
Koninklijke Ahold Delhaize NV	121,822	3,320,129
Koninklijke KPN NV	792,213	2,107,210
NXP Semiconductors NV	14,097	1,607,622
Royal Dutch Shell PLC, A Shares	134,623	2,155,477
		13,386,023
Norway - 0.5%		
DNB ASA	99,754	1,331,467
Singapore - 0.5%		
DBS Group Holdings, Ltd.	89,400	1,345,187
South Korea - 4.9%		
GS Retail Company, Ltd.	40,983	1,252,327
Hana Financial Group, Inc.	105,023	2,388,471
KB Financial Group, Inc.	80,260	2,272,128
KT Corp., ADR	254,612	2,479,921
Samsung Electronics Company, Ltd.	94,168	4,168,594
		12,561,441
Spain - 0.9%		
Amadeus IT Group SA	14,697	771,621
Applus Services SA	186,541	1,437,062
		2,208,683
Sweden - 1.2%		
Husqvarna AB, B Shares	255,713	2,104,525
Loomis AB (A)	45,349	1,083,330
		3,187,855
Switzerland - 8.6%		
Glencore PLC (A)	849,726	1,810,085
Novartis AG	89,000	7,753,775
Roche Holding AG	16,769	5,809,612
SIG Combibloc Group AG (A)	59,099	961,640
STMicroelectronics NV	64,883	1,768,592
UBS Group AG	350,687	4,050,107
		22,153,811
Taiwan - 0.3%		
Simplo Technology Company, Ltd.	81,000	883,689
United Kingdom - 13.3%		
Aviva PLC	626,973	2,125,041
BAE Systems PLC	501,308	2,997,542
BP PLC	692,851	2,654,334
Coca-Cola European Partners PLC	54,889	2,072,609
Direct Line Insurance Group PLC	743,478	2,492,915
GlaxoSmithKline PLC	91,241	1,843,034
Howden Joinery Group PLC	137,459	941,065
Imperial Brands PLC	158,383	3,015,076
Inchcape PLC	202,321	1,229,542
Nomad Foods, Ltd. (A)	194,723	4,176,808
Persimmon PLC	88,615	2,507,934
Redrow PLC	281,449	1,500,982
Smith & Nephew PLC	48,533	904,343
Tesco PLC	1,315,344	3,699,608
Unilever PLC	41,493	2,238,169
		34,399,002

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States - 0.9%		
Applied Materials, Inc.	37,105	\$ 2,242,993
TOTAL COMMON STOCKS (Cost \$260,115,684)		\$ 248,022,733
SHORT-TERM INVESTMENTS - 6.7%		
Short-term funds - 6.7%		
Fidelity Institutional Money Market Government Portfolio, Institutional Class, 0.0686% (E)	8,418,482	8,418,482
John Hancock Collateral Trust, 0.2429% (E)(F)	892,439	8,934,470
TOTAL SHORT-TERM INVESTMENTS (Cost \$17,353,015)		\$ 17,352,952
Total Investments (Disciplined Value International Trust) (Cost \$277,468,699) - 102.8%		\$ 265,375,685
Other assets and liabilities, net - (2.8%)		(7,217,821)
TOTAL NET ASSETS - 100.0%		\$ 258,157,864

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 6-30-20.
(D)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(E)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

Emerging Markets Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.4%		
Australia - 0.0%		
MMG, Ltd. (A)	192,000	\$ 40,120
Belgium - 0.0%		
Titan Cement International SA (A)	985	11,815
Brazil - 4.1%		
Banco Bradesco SA	77,929	271,700
Banco do Brasil SA	75,483	446,255
Banco Santander Brasil SA	30,118	155,184
BrasilAgro - Co Brasileira de Propriedades Agricolas	6,700	25,824
Camil Alimentos SA	10,600	21,870
Cogna Educacao	186,166	226,284
CSU Cardsystem SA	9,300	22,540
Enauta Participacoes SA	16,860	32,058
Fras-Le SA	8,800	8,706
Gerdau SA	2,629	6,502
Industrias Romi SA	6,500	15,503
International Meal Company Alimentacao SA (A)	19,850	14,601
Iochpe Maxion SA	11,411	28,370
JHSF Participacoes SA	65,027	84,899
Kepler Weber SA	2,100	14,462
Marisa Lojas SA (A)	14,758	22,660
Petroleo Brasileiro SA	446,047	1,832,384
Restoque Comercio e Confecoos de Roupas SA (A)	3,836	4,867

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Brazil (continued)		
Sao Carlos Empreendimentos e Participacoes SA	5,205	\$ 35,385
Sao Martinho SA	9,777	38,133
SLC Agricola SA	9,500	41,228
Trisul SA	13,137	28,820
Tupy SA (A)	9,951	34,950
Usinas Siderurgicas de Minas Gerais SA	14,738	21,925
Vale SA	424,884	4,369,084
Valid Solucoes e Servicos de Seguranca em Meios de Pagamento e Identificacao SA	11,359	22,538
		7,826,732
Chile - 0.7%		
CAP SA (A)	6,647	43,051
Cementos BIO BIO SA	16,447	14,016
Cencosud SA	133,449	186,835
Cia Pesquera Camanchaca SA	214,992	14,309
Cristalerias de Chile SA	3,626	20,262
Empresa Nacional de Telecomunicaciones SA	15,564	100,425
Empresas CMPC SA	53,560	106,416
Empresas COPEC SA	21,339	143,143
Empresas Hites SA	46,731	7,567
Enel Americas SA	2,776,418	419,133
Grupo Security SA	147,513	26,399
Inversiones Aguas Metropolitanas SA	42,648	36,708
Itau CorpBanca Chile SA	10,081,598	27,235
Masisa SA (A)	321,066	6,125
PAZ Corp. SA	16,523	12,431
Ripley Corp. SA	137,631	44,738
Salfacorp SA	54,622	28,662
Sigdo Koppers SA	50,989	50,033
SMU SA	43,046	7,953
Sociedad Matriz SAAM SA	670,600	43,678
Socovesa SA	113,429	32,138
SONDA SA	17,248	11,339
		1,382,596
China - 20.7%		
361 Degrees International, Ltd.	140,000	18,175
Agile Group Holdings, Ltd.	215,000	254,850
Agricultural Bank of China, Ltd., H Shares	2,020,000	817,584
Air China, Ltd., H Shares	256,000	153,908
Aluminum Corp. of China, Ltd., H Shares (A)	372,000	70,164
Angang Steel Company, Ltd., H Shares	193,800	47,663
Anhui Conch Cement Company, Ltd., H Shares	16,500	111,806
Anton Oilfield Services Group (A)(B)	284,000	17,119
Asia Cement China Holdings Corp.	65,000	64,228
AviChina Industry & Technology Company, Ltd., H Shares	183,000	83,477
BAIC Motor Corp., Ltd., H Shares (C)	207,000	90,589
Baidu, Inc., ADR (A)	12,811	1,535,913
Bank of China, Ltd., H Shares	6,067,694	2,247,675
Bank of Chongqing Company, Ltd., H Shares	69,500	34,912
Bank of Communications Company, Ltd., H Shares	596,876	369,568
Bank of Tianjin Company, Ltd., H Shares	74,000	28,001
BBMG Corp., H Shares	220,000	43,146
Beijing Capital International Airport Company, Ltd., H Shares	150,000	93,876
Beijing North Star Company, Ltd., H Shares	132,000	29,149

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Beijing Urban Construction Design & Development Group Company, Ltd., H Shares (A)(C)	35,000	\$ 8,199
Boyaa Interactive International, Ltd. (A)	63,000	6,862
BYD Electronic International Company, Ltd.	26,000	60,065
Cabbeen Fashion, Ltd.	40,000	9,822
CAR, Inc. (A)(B)	59,000	17,757
Central China Real Estate, Ltd.	113,732	53,296
Changshouhua Food Company, Ltd. (A)	32,000	8,714
Chaowei Power Holdings, Ltd.	133,000	59,522
Cheetah Mobile, Inc., ADR	4,594	7,902
China Aoyuan Group, Ltd.	68,000	83,110
China BlueChemical, Ltd., H Shares	264,000	39,450
China Cinda Asset Management Company, Ltd., H Shares	737,000	145,379
China CITIC Bank Corp., Ltd., H Shares	642,775	281,669
China Coal Energy Company, Ltd., H Shares	178,000	40,647
China Communications Construction Company, Ltd., H Shares	340,000	192,842
China Communications Services Corp., Ltd., H Shares	217,200	136,116
China Conch Venture Holdings, Ltd.	45,500	193,120
China Construction Bank Corp., H Shares	8,773,000	7,135,811
China Development Bank Financial Leasing Company, Ltd., H Shares (C)	122,000	16,442
China Dili Group (A)	190,600	40,673
China Dongxiang Group Company, Ltd.	530,000	47,331
China Eastern Airlines Corp., Ltd., H Shares (B)	276,000	99,372
China Electronics Optics Valley Union Holding Company, Ltd.	308,000	18,568
China Energy Engineering Corp., Ltd., H Shares	380,000	35,947
China Everbright Bank Company, Ltd., H Shares	261,000	98,553
China Evergrande Group (B)	190,000	494,408
China Galaxy Securities Company, Ltd., H Shares	206,000	112,145
China Harmony New Energy Auto Holding, Ltd.	105,500	52,772
China Hongqiao Group, Ltd.	249,000	110,874
China Huarong Asset Management Company, Ltd., H Shares (C)	808,000	81,828
China Huiyuan Juice Group, Ltd. (A)(D)	212,500	40,153
China International Capital Corp., Ltd., H Shares (A)(B)(C)	106,800	211,310
China International Marine Containers Group Company, Ltd., H Shares	49,900	40,685
China Lesso Group Holdings, Ltd.	123,000	161,448
China Machinery Engineering Corp., H Shares	115,000	30,435
China Merchants Bank Company, Ltd., H Shares	25,500	118,171
China Merchants Securities Company, Ltd., H Shares (C)	17,600	19,802
China Minsheng Banking Corp., Ltd., H Shares	528,900	364,074
China Modern Dairy Holdings, Ltd. (A)	14,000	1,580
China National Building Material Company, Ltd., H Shares	581,450	623,666
China Oilfield Services, Ltd., H Shares	160,000	145,808
China Oriental Group Company, Ltd.	164,000	44,974

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Pacific Insurance Group Company, Ltd., H Shares	2,600	\$ 6,988
China Petroleum & Chemical Corp., ADR (B)	15,616	655,247
China Petroleum & Chemical Corp., H Shares	1,022,000	427,461
China Railway Construction Corp., Ltd., H Shares	240,165	190,234
China Railway Group, Ltd., H Shares	379,000	195,635
China Railway Signal & Communication Corp., Ltd., H Shares (C)	83,000	35,844
China Reinsurance Group Corp., H Shares	256,000	26,228
China Resources Medical Holdings Company, Ltd.	61,000	34,904
China Resources Pharmaceutical Group, Ltd. (C)	119,000	68,932
China Sanjiang Fine Chemicals Company, Ltd.	105,000	28,529
China SCE Group Holdings, Ltd.	266,200	116,290
China Shanshui Cement Group, Ltd. (A)	117,000	30,677
China Shenhua Energy Company, Ltd., H Shares	372,000	577,335
China Shineway Pharmaceutical Group, Ltd.	32,000	21,124
China Silver Group, Ltd. (A)	94,000	6,909
China Southern Airlines Company, Ltd., H Shares (A)	228,000	101,957
China Taifeng Beddings Holdings, Ltd. (A)(D)	204,000	12,792
China Vanke Company, Ltd., H Shares	125,700	401,191
China XLX Fertiliser, Ltd.	115,000	26,921
China Yongda Automobiles Services Holdings, Ltd.	19,500	23,610
China ZhengTong Auto Services Holdings, Ltd. (B)	160,000	23,063
China Zhongwang Holdings, Ltd.	196,800	37,235
Chongqing Rural Commercial Bank Company, Ltd., H Shares	198,000	78,304
CIFI Holdings Group Company, Ltd.	279,573	220,237
CNOOC, Ltd.	2,087,000	2,342,299
CNOOC, Ltd., ADR	987	111,351
Cogobuy Group (A)(C)	74,000	12,841
Colour Life Services Group Company, Ltd. (A)(B)	6,000	2,883
Consun Pharmaceutical Group, Ltd.	19,000	7,840
COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	138,000	61,808
COSCO SHIPPING Holdings Company, Ltd., H Shares (A)(B)	99,000	28,592
Cosmo Lady China Holdings Company, Ltd. (A)(C)	29,000	1,800
Country Garden Holdings Company, Ltd.	784,000	972,395
CPMC Holdings, Ltd.	76,000	28,931
CRRC Corp., Ltd., H Shares	279,000	118,448
CT Environmental Group, Ltd. (A)(D)	164,000	6,475
Dongfang Electric Corp., Ltd., H Shares	29,000	15,218
Dongfeng Motor Group Company, Ltd., H Shares	210,000	126,650
Dongyue Group, Ltd.	143,000	58,455
E-Commodities Holdings, Ltd.	348,000	8,887
Everbright Securities Company, Ltd., H Shares (C)	25,600	18,593
Fantasia Holdings Group Company, Ltd. (A)	172,500	32,543
Fosun International, Ltd.	195,460	250,506

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Fufeng Group, Ltd. (A)	270,200	\$ 86,600
Genertec Universal Medical Group Company, Ltd. (C)	99,000	60,157
GF Securities Company, Ltd., H Shares	82,600	88,961
GOME Retail Holdings, Ltd. (A)	1,105,000	185,222
Grand Baoxin Auto Group, Ltd. (A)	219,500	33,280
Great Wall Motor Company, Ltd., H Shares (B)	300,500	189,125
Greatview Aseptic Packaging Company, Ltd.	25,000	8,860
Greenland Hong Kong Holdings, Ltd.	88,000	31,434
Greentown China Holdings, Ltd.	102,500	103,170
Guangshen Railway Company, Ltd., ADR	3,552	32,359
Guangshen Railway Company, Ltd., H Shares	34,000	6,384
Guangzhou Automobile Group Company, Ltd., H Shares	188,000	136,971
Guangzhou R&F Properties Company, Ltd., H Shares	190,800	224,536
Guorui Properties, Ltd.	84,000	12,650
Guotai Junan Securities Company, Ltd., H Shares (C)	34,600	48,118
Haichang Ocean Park Holdings, Ltd. (A)(C)	181,000	10,815
Hainan Meilan International Airport Company, Ltd., H Shares (A)	17,000	23,745
Haitian International Holdings, Ltd.	4,000	8,146
Haitong Securities Company, Ltd., H Shares	188,000	152,740
Harbin Bank Company, Ltd., H Shares (C)	74,000	11,033
Harbin Electric Company, Ltd., H Shares (A)	128,000	50,104
HC Group, Inc. (A)	98,000	16,211
Hilong Holding, Ltd. (A)	205,000	6,210
Hiroca Holdings, Ltd.	8,000	15,189
Honghua Group, Ltd. (A)	367,000	11,550
Honworld Group, Ltd. (C)	56,000	17,291
Hua Hong Semiconductor, Ltd. (A)(C)	12,000	42,068
Huatai Securities Company, Ltd., H Shares (C)	96,600	154,637
Huishang Bank Corp., Ltd., H Shares	63,300	22,013
Industrial & Commercial Bank of China, Ltd., H Shares	6,288,000	3,801,526
Inner Mongolia Yitai Coal Company, Ltd., H Shares	25,700	16,477
Jiangxi Copper Company, Ltd., H Shares	99,000	100,870
Jingrui Holdings, Ltd.	69,000	19,756
JinkoSolar Holding Company, Ltd., ADR (A)(B)	5,541	98,131
JOYY, Inc., ADR (A)	5,041	446,381
Kaisa Group Holdings, Ltd. (A)	258,000	98,230
Kangda International Environmental Company, Ltd. (A)(C)	140,000	13,953
Kasen International Holdings, Ltd. (A)(B)	119,000	15,011
KWG Group Holdings, Ltd. (A)	177,013	300,756
Legend Holdings Corp., H Shares (C)	66,200	77,633
Lenovo Group, Ltd.	294,000	164,035
Lonking Holdings, Ltd.	277,000	84,377
Luye Pharma Group, Ltd. (B)(C)	104,000	63,943
Maoye International Holdings, Ltd.	301,000	14,454
Metallurgical Corp. of China, Ltd., H Shares	185,000	29,524
Minth Group, Ltd.	58,000	166,489
MOBI Development Company, Ltd.	70,000	7,093
Modern Land China Company, Ltd.	88,000	12,476

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Momo, Inc., ADR	665	\$ 11,624
Nature Home Holding Company, Ltd. (A)	59,000	7,786
New China Life Insurance Company, Ltd., H Shares	13,500	45,526
NVC International Holdings, Ltd.	267,000	4,646
Orient Securities Company, Ltd., H Shares (C)	50,800	28,245
PetroChina Company, Ltd., ADR	1,761	58,236
PetroChina Company, Ltd., H Shares	2,098,000	701,552
PICC Property & Casualty Company, Ltd., H Shares	428,000	355,696
Postal Savings Bank of China Company, Ltd., H Shares (C)	631,000	363,595
Powerlong Real Estate Holdings, Ltd.	178,000	100,355
Qingdao Port International Company, Ltd., H Shares (C)	19,000	10,119
Qingling Motors Company, Ltd., H Shares	128,000	23,370
Qunxing Paper Holdings Company, Ltd. (A)(D)	634,371	0
Red Star Macalline Group Corp., Ltd., H Shares (C)	62,480	35,170
Ronshine China Holdings, Ltd. (A)	46,500	41,258
Sany Heavy Equipment International Holdings Company, Ltd.	44,000	20,566
Seazen Group, Ltd. (A)	32,000	27,787
Semiconductor Manufacturing International Corp. (A)	243,000	852,433
Shanghai Electric Group Company, Ltd., H Shares (A)	158,000	45,059
Shanghai Jin Jiang Capital Company, Ltd., H Shares	244,000	43,294
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	75,000	126,047
Shengjing Bank Company, Ltd., H Shares (A)(C)	17,500	16,045
Shenguan Holdings Group, Ltd.	90,000	3,320
Shenwan Hongyuan Group Company, Ltd., H Shares (A)(C)	70,400	19,589
Shui On Land, Ltd.	390,961	65,920
Sihuan Pharmaceutical Holdings Group, Ltd.	177,000	16,928
SINA Corp. (A)	7,964	285,987
Sino-Ocean Group Holding, Ltd.	333,973	80,376
Sinopec Engineering Group Company, Ltd., H Shares	129,000	55,389
Sinopec Shanghai Petrochemical Company, Ltd., H Shares	300,000	72,236
Sinopharm Group Company, Ltd., H Shares	112,000	287,947
Sinsoft Technology Group, Ltd. (A)	104,000	15,096
Sinotrans, Ltd., H Shares	242,000	49,223
Sinotruk Hong Kong, Ltd.	106,500	277,938
SOHO China, Ltd. (A)	247,000	87,258
Sun King Power Electronics Group	108,000	16,024
Sunac China Holdings, Ltd.	169,000	715,206
Sunshine 100 China Holdings, Ltd. (A)(C)	77,000	13,515
Tenwow International Holdings, Ltd. (A)(D)	121,000	4,449
The People's Insurance Company Group of China, Ltd., H Shares	342,000	100,292
Tian Ge Interactive Holdings, Ltd. (A)(C)	44,000	5,781
Tianneng Power International, Ltd. (B)	78,000	133,769
Tong Ren Tang Technologies Company, Ltd., H Shares	14,000	10,649
Trigiant Group, Ltd.	158,000	24,063

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Trip.com Group, Ltd., ADR (A)	32,171	\$ 833,872
Weiqiao Textile Company, H Shares	73,500	13,095
West China Cement, Ltd.	380,000	69,655
Xiamen International Port Company, Ltd., H Shares	330,000	26,858
Xingda International Holdings, Ltd.	123,187	23,965
Xingfa Aluminium Holdings, Ltd.	29,000	26,902
Xinjiang Goldwind Science & Technology Company, Ltd., H Shares	24,000	20,651
Xinming China Holdings, Ltd. (A)	2,000	260
Xinyuan Real Estate Company, Ltd., ADR	6,010	13,162
Xtep International Holdings, Ltd.	98,092	32,895
Yanzhou Coal Mining Company, Ltd., H Shares (B)	262,000	197,320
Yiren Digital, Ltd., ADR (A)(B)	4,041	16,689
Yuzhou Properties Company, Ltd.	276,591	120,505
Zhejiang Glass Company, Ltd., H Shares (A)(D)	162,000	0
Zhengzhou Coal Mining Machinery Group Company, Ltd., H Shares	25,400	11,002
Zhong An Group, Ltd.	409,000	11,646
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	20,000	51,288
Zoomlion Heavy Industry Science and Technology Company, Ltd., H Shares	112,000	86,716
		39,293,806
Colombia - 0.1%		
Cementos Argos SA	24,726	22,371
Corp. Financiera Colombiana SA (A)	2,616	19,338
Grupo Argos SA	36,406	95,907
Grupo de Inversiones Suramericana SA	23,322	115,679
Grupo Nutresa SA	3,250	18,075
		271,370
Czech Republic - 0.2%		
CEZ AS	16,318	349,405
Greece - 0.3%		
Aegean Airlines SA (A)	3,467	15,583
Alpha Bank AE (A)	98,073	73,675
Bank of Greece	667	9,500
Ellaktor SA (A)	17,133	20,787
Eurobank Ergasias Services and Holdings SA (A)	179,251	83,004
Fourlis Holdings SA (A)	3,756	17,991
Hellenic Petroleum SA	6,586	43,977
Mytilineos SA	10,218	84,116
National Bank of Greece SA (A)	69,994	99,047
Piraeus Bank SA (A)	33,087	58,776
		506,456
Hong Kong - 7.8%		
Ajisen China Holdings, Ltd.	147,000	20,347
AMVIG Holdings, Ltd.	42,000	7,608
Anxin-China Holdings, Ltd. (A)(D)	1,648,000	0
APT Satellite Holdings, Ltd.	28,000	7,247
Asian Citrus Holdings, Ltd. (A)(D)	249,000	9,638
Atlas Corp. (A)	9,130	69,388
Beijing Enterprises Clean Energy Group, Ltd. (A)	600,000	3,263
Beijing Enterprises Holdings, Ltd.	49,000	164,545
Beijing Enterprises Water Group, Ltd. (A)	294,000	115,371
Brilliance China Automotive Holdings, Ltd.	216,000	195,499
C C Land Holdings, Ltd.	240,126	54,936
CECEP COSTIN New Materials Group, Ltd. (A)(D)	348,000	0

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Century Sunshine Group Holdings, Ltd. (A)	165,000	\$ 1,619
CGN New Energy Holdings Company, Ltd. (A)	150,000	28,965
China Aerospace International Holdings, Ltd.	190,000	11,945
China Aircraft Leasing Group Holdings, Ltd.	23,000	18,751
China Everbright Greentech, Ltd. (C)	43,000	17,019
China Everbright, Ltd.	114,000	166,083
China Fiber Optic Network System Group, Ltd. (A)(D)	150,800	5,448
China Foods, Ltd.	42,000	15,983
China High Precision Automation Group, Ltd. (A)(D)	18,000	2,160
China Jinmao Holdings Group, Ltd.	426,000	303,168
China Longevity Group Company, Ltd. (A)(D)	93,000	4,932
China Lumena New Materials Corp. (A)(B)(D)	2,036,000	0
China Merchants Land, Ltd.	260,000	40,231
China Merchants Port Holdings Company, Ltd.	104,064	123,434
China Mobile, Ltd.	606,000	4,091,749
China Mobile, Ltd., ADR	30,020	1,009,873
China New Town Development Company, Ltd.	300,165	4,845
China Oil & Gas Group, Ltd. (A)	1,020,000	32,242
China Overseas Grand Oceans Group, Ltd.	191,500	109,135
China Overseas Land & Investment, Ltd.	421,000	1,285,497
China Resources Cement Holdings, Ltd.	242,000	298,464
China Resources Land, Ltd.	366,000	1,398,923
China South City Holdings, Ltd.	498,000	51,072
China State Construction International Holdings, Ltd.	170,000	99,875
China Taiping Insurance Holdings Company, Ltd.	147,200	237,785
China Traditional Chinese Medicine Holdings Company, Ltd.	242,000	117,069
China Travel International Investment Hong Kong, Ltd.	314,000	44,798
China Unicom Hong Kong, Ltd.	630,000	342,780
China Unicom Hong Kong, Ltd., ADR	20,072	109,392
China Vast Industrial Urban Development Company, Ltd. (C)	36,000	15,656
Chu Kong Shipping Enterprises Group Company, Ltd.	26,000	3,009
CIMC Enric Holdings, Ltd.	56,000	22,328
CITIC Resources Holdings, Ltd. (A)	488,000	15,795
CITIC, Ltd.	566,130	534,588
Concord New Energy Group, Ltd.	690,000	29,007
COSCO SHIPPING International Hong Kong Company, Ltd.	59,625	17,746
COSCO SHIPPING Ports, Ltd.	150,438	81,147
CP Pokphand Company, Ltd.	94,000	8,157
Dawnrays Pharmaceutical Holdings, Ltd.	117,000	13,767
Digital China Holdings, Ltd.	42,000	27,261
Far East Horizon, Ltd.	183,000	156,223
GCL-Poly Energy Holdings, Ltd. (A)(B)	2,126,000	60,503
Gemdale Properties & Investment Corp., Ltd.	778,000	145,052
Glorious Property Holdings, Ltd. (A)	88,000	2,303
Goldlion Holdings, Ltd.	36,000	7,497
Goldpac Group, Ltd.	46,000	8,288
Hi Sun Technology China, Ltd. (A)	375,000	42,314

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
HKC Holdings, Ltd.	29,206	\$ 17,135
Hopson Development Holdings, Ltd.	90,000	93,883
Hua Han Health Industry Holdings, Ltd. (A)(D)	1,120,000	30,635
Jiayuan International Group, Ltd.	46,000	19,026
Joy City Property, Ltd.	328,000	21,310
Ju Teng International Holdings, Ltd.	130,000	47,703
Kingboard Holdings, Ltd.	88,130	230,037
Kingboard Laminates Holdings, Ltd.	97,000	98,027
Kunlun Energy Company, Ltd.	410,000	268,520
Lee & Man Paper Manufacturing, Ltd.	129,000	70,116
Lee's Pharmaceutical Holdings, Ltd.	69,000	36,692
Lifestyle China Group, Ltd. (A)	42,000	10,002
Min Xin Holdings, Ltd.	24,000	8,369
Mingyuan Medicare Development Company, Ltd. (A)(D)	1,300,000	0
Minmetals Land, Ltd.	272,000	33,666
NetDragon Websoft Holdings, Ltd.	3,500	9,870
New World Department Store China, Ltd. (A)	34,000	6,206
Nine Dragons Paper Holdings, Ltd.	185,000	169,145
Overseas Chinese Town Asia Holdings, Ltd.	52,000	10,730
Panda Green Energy Group, Ltd. (A)	814,000	14,206
PAX Global Technology, Ltd.	104,000	45,558
Poly Property Group Company, Ltd.	266,453	80,727
Pou Sheng International Holdings, Ltd. (A)	142,000	32,725
Shanghai Industrial Holdings, Ltd.	37,000	57,150
Shanghai Industrial Urban Development Group, Ltd.	352,000	40,722
Shanghai Zendai Property, Ltd. (A)	765,000	2,873
Shenzhen International Holdings, Ltd.	109,163	174,743
Shenzhen Investment, Ltd.	331,271	105,464
Shimao Group Holdings, Ltd.	142,500	609,225
Shougang Fushan Resources Group, Ltd.	364,000	76,454
Silver Grant International Holdings Group, Ltd. (A)	160,000	20,121
Sinofert Holdings, Ltd. (A)	300,000	26,871
Sinopec Kantons Holdings, Ltd.	160,000	61,414
Skyworth Group, Ltd. (A)(B)	244,000	68,569
Symphony Holdings, Ltd.	20,000	2,298
TCL Electronics Holdings, Ltd.	114,600	56,409
Texhong Textile Group, Ltd. (B)	32,000	25,742
Tian An China Investment Company, Ltd.	54,000	24,084
Tianjin Port Development Holdings, Ltd. (A)	478,000	33,376
Tomson Group, Ltd.	85,714	18,968
Tongda Group Holdings, Ltd. (B)	590,000	35,328
Wasion Holdings, Ltd.	90,000	28,961
Yuexiu Property Company, Ltd.	829,542	148,790
		14,783,570
Hungary - 0.3%		
MOL Hungarian Oil & Gas PLC	53,879	318,540
Richter Gedeon NYRT	9,328	193,553
		512,093
India - 12.7%		
ACC, Ltd.	5,847	103,494
Adani Enterprises, Ltd.	21,676	45,395
Adani Gas, Ltd.	17,516	35,542
Adani Green Energy, Ltd. (A)	20,307	96,942
Adani Ports & Special Economic Zone, Ltd.	47,493	217,188
Adani Transmission, Ltd. (A)	9,644	33,192
Aditya Birla Capital, Ltd. (A)	55,560	46,680
Allcargo Logistics, Ltd.	10,467	11,010

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Ambuja Cements, Ltd.	55,925	\$ 143,525
Apar Industries, Ltd.	2,063	8,787
Apollo Tyres, Ltd.	28,578	40,889
Arvind Fashions, Ltd. (A)	6,229	13,950
Arvind, Ltd.	12,009	5,143
Ashok Leyland, Ltd.	97,225	60,755
Aster DM Healthcare, Ltd. (A)(C)	4,365	7,148
Aurobindo Pharma, Ltd.	33,905	346,037
Axis Bank, Ltd.	125,549	680,277
Bajaj Holdings & Investment, Ltd.	5,412	182,768
Balmer Lawrie & Company, Ltd.	11,041	16,075
Balrampur Chini Mills, Ltd.	23,304	41,928
Bank of Baroda (A)	88,922	57,310
BEML, Ltd.	1,822	15,438
Bharat Electronics, Ltd.	59,808	70,194
Bharat Forge, Ltd.	10,204	42,960
Bharat Heavy Electricals, Ltd.	72,839	34,728
Bharti Airtel, Ltd. (A)	192,758	1,432,632
Bharti Infratel, Ltd.	32,463	95,311
Birla Corp., Ltd.	4,591	35,466
Birlasoft, Ltd.	13,384	15,836
Brigade Enterprises, Ltd.	12,969	23,694
BSE, Ltd.	724	4,260
Cadila Healthcare, Ltd.	22,857	107,072
Canara Bank (A)	9,205	12,303
Ceat, Ltd.	2,623	31,603
Chambal Fertilizers & Chemicals, Ltd.	24,429	45,989
Chennai Super Kings Cricket, Ltd. (A)(D)	207,315	6,178
Cholamandalam Financial Holdings, Ltd.	5,037	20,176
Cipla, Ltd.	35,701	302,977
Container Corp. of India, Ltd.	14,589	80,691
Cyient, Ltd.	5,147	18,882
Dalmia Bharat, Ltd.	2,887	26,075
DB Corp., Ltd.	6,129	6,038
DCB Bank, Ltd. (A)	23,624	23,777
DCM Shriram, Ltd.	10,563	44,411
Dishman Carbogen Amcis, Ltd.	5,361	8,701
DLF, Ltd.	53,266	105,011
Dr. Reddy's Laboratories, Ltd.	13,052	684,579
Edelweiss Financial Services, Ltd.	46,814	38,799
EID Parry India, Ltd. (A)	14,915	54,923
Essel Propack, Ltd.	6,943	16,570
Exide Industries, Ltd.	26,285	51,569
Federal Bank, Ltd.	191,615	129,963
Finolex Industries, Ltd.	5,072	33,511
Firstsource Solutions, Ltd.	16,189	7,646
Fortis Healthcare, Ltd. (A)	61,726	99,357
Future Enterprises, Ltd. (A)	31,677	6,946
GAIL India, Ltd.	196,137	265,717
General Insurance Corp. of India (C)	8,025	15,910
GHCL, Ltd.	6,390	11,698
Glenmark Pharmaceuticals, Ltd.	13,855	82,443
Granules India, Ltd.	24,247	65,183
Grasim Industries, Ltd.	31,544	258,004
Gujarat Alkalies & Chemicals, Ltd.	3,130	13,882
Gujarat Ambuja Exports, Ltd.	7,910	14,966
Gujarat Fluorochemicals, Ltd. (A)	5,323	25,640
Gujarat Narmada Valley Fertilizers & Chemicals, Ltd.	10,255	20,884
Gujarat Pipavav Port, Ltd.	15,449	15,502
Gujarat State Petronet, Ltd.	22,857	66,684
Hero MotoCorp, Ltd.	389	13,167
HFCL, Ltd.	95,724	20,045
HIL, Ltd.	588	9,165
Hindalco Industries, Ltd.	140,404	277,112

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
ICICI Bank, Ltd.	223,707	\$ 1,044,587
ICICI Bank, Ltd., ADR	30,901	287,070
IDFC First Bank, Ltd. (A)	126,067	43,010
IDFC, Ltd.	67,378	16,419
IIFL Finance, Ltd.	38,108	37,299
IIFL Securities, Ltd.	47,890	27,385
IIFL Wealth Management, Ltd.	6,429	87,338
Indiabulls Housing Finance, Ltd.	33,338	91,796
Indiabulls Real Estate, Ltd. (A)	41,734	27,437
Indiabulls Ventures, Ltd.	3,974	6,191
Indian Bank (A)	13,953	11,522
IndusInd Bank, Ltd.	8,509	53,683
Jagran Prakashan, Ltd.	12,700	6,656
JB Chemicals & Pharmaceuticals, Ltd.	3,820	35,771
Jindal Saw, Ltd.	29,627	22,917
Jindal Steel & Power, Ltd. (A)	52,794	114,837
JK Cement, Ltd.	3,406	61,577
JK Tyre & Industries, Ltd.	8,887	7,547
JM Financial, Ltd.	33,116	30,630
JSW Energy, Ltd.	51,942	32,483
JSW Steel, Ltd.	103,888	262,759
Jubilant Life Sciences, Ltd.	11,603	101,537
Just Dial, Ltd. (A)	2,041	10,844
Jyothy Labs, Ltd.	5,194	8,056
Kalpataru Power Transmission, Ltd.	9,196	26,369
Kaveri Seed Company, Ltd.	1,661	12,702
Kiri Industries, Ltd.	2,637	14,550
KPIT Technologies, Ltd.	13,384	11,244
KPR Mill, Ltd.	4,562	29,559
KRBL, Ltd.	2,618	8,568
L&T Finance Holdings, Ltd.	60,193	52,691
Larsen & Toubro, Ltd.	49,161	617,854
Laurus Labs, Ltd. (C)	2,865	19,787
LIC Housing Finance, Ltd.	39,247	138,119
Linde India, Ltd. (A)	5,094	41,328
Lupin, Ltd.	26,705	322,040
Maharashtra Scooters, Ltd.	404	13,390
Maharashtra Seamless, Ltd.	4,212	12,164
Mahindra & Mahindra Financial Services, Ltd.	29,854	66,309
Mahindra & Mahindra, Ltd.	98,732	670,099
Mahindra CIE Automotive, Ltd. (A)	17,673	27,389
Mahindra Lifespace Developers, Ltd.	3,463	9,769
Manappuram Finance, Ltd.	36,072	72,688
Max India, Ltd. (A)(D)	21,707	19,693
MOIL, Ltd.	14,559	27,063
Mphasis, Ltd.	13,286	153,291
MRF, Ltd.	99	88,210
Muthoot Finance, Ltd.	8,091	116,928
National Aluminium Company, Ltd.	86,920	37,040
NCC, Ltd.	25,675	9,925
NIIT, Ltd.	6,884	8,654
Nilkamal, Ltd.	1,287	19,370
NMDC, Ltd.	40,445	43,979
Oberoi Realty, Ltd.	6,103	29,385
Omaxe, Ltd.	5,567	10,428
Persistent Systems, Ltd.	6,511	54,771
Phillips Carbon Black, Ltd.	7,735	9,032
Piramal Enterprises, Ltd.	10,610	190,711
PNB Housing Finance, Ltd. (C)	3,409	9,372
Polyplex Corp., Ltd.	2,563	16,102
Power Finance Corp., Ltd.	90,707	101,782
Prestige Estates Projects, Ltd.	26,933	74,936
Procter & Gamble Health, Ltd. (A)	550	29,567
PTC India, Ltd.	31,315	20,261

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Punjab National Bank (A)	97,317	\$ 44,944
Quess Corp., Ltd. (A)(C)	1,882	9,100
Rain Industries, Ltd.	22,684	22,822
Rajesh Exports, Ltd.	8,931	55,033
Rallis India, Ltd.	9,977	36,085
Ramco Industries, Ltd.	4,270	8,955
Raymond, Ltd. (A)	1,181	4,353
RBL Bank, Ltd. (C)	21,550	49,815
REC, Ltd.	89,160	127,954
Redington India, Ltd.	44,685	52,079
Reliance Industries, Ltd., GDR (C)	161,712	7,474,620
Repco Home Finance, Ltd.	5,371	8,685
Sharda Cropchem, Ltd.	2,311	8,087
Shriram City Union Finance, Ltd.	2,480	21,799
Shriram Transport Finance Company, Ltd.	17,723	162,067
Sobha, Ltd.	5,289	15,979
Somany Home Innovation, Ltd. (A)	8,910	9,207
State Bank of India (A)	109,237	259,649
Steel Authority of India, Ltd.	106,244	43,500
Sterlite Technologies, Ltd.	6,963	10,117
Strides Pharma Science, Ltd.	2,675	14,467
Sun Pharmaceutical Industries, Ltd.	54,244	340,482
Sun TV Network, Ltd.	7,964	42,719
Sunteck Realty, Ltd.	9,376	23,704
TAKE Solutions, Ltd.	7,707	5,072
Tata Chemicals, Ltd.	6,889	28,524
Tata Consumer Products, Ltd.	31,789	163,487
Tata Motors, Ltd. (A)	234,225	308,756
Tata Steel, Ltd.	45,303	198,689
Tech Mahindra, Ltd.	8,219	59,159
Techno Electric & Engineering Company, Ltd. (A)	7,028	18,023
The Anup Engineering, Ltd.	1,153	5,841
The Great Eastern Shipping Company, Ltd.	12,279	34,620
The India Cements, Ltd.	20,619	34,950
The Jammu & Kashmir Bank, Ltd. (A)	55,678	13,375
The Karnataka Bank, Ltd.	7,142	3,953
The Karur Vysya Bank, Ltd.	24,026	10,763
The South Indian Bank, Ltd.	134,442	14,390
Transport Corp. of India, Ltd.	3,182	7,148
Trident, Ltd.	171,050	15,880
Tube Investments of India, Ltd.	3,266	19,221
TV18 Broadcast, Ltd. (A)	95,709	42,897
Uflex, Ltd.	7,789	21,567
Unichem Laboratories, Ltd.	6,860	16,037
UPL, Ltd. (A)	31,035	175,748
Vardhman Textiles, Ltd.	3,223	28,044
Vedanta, Ltd., ADR	72,140	404,705
Vodafone Idea, Ltd. (A)	803,348	112,599
Welspun Corp., Ltd.	14,025	15,050
Welspun Enterprises, Ltd.	9,451	8,006
Welspun India, Ltd.	12,315	6,096
Wipro, Ltd.	183,166	534,805
Wockhardt, Ltd. (A)	4,216	15,676
Yes Bank, Ltd. (A)	196,614	67,659
Zee Entertainment Enterprises, Ltd.	73,055	166,156
		24,173,891
Indonesia - 1.7%		
Adaro Energy Tbk PT	1,772,000	124,666
Adhi Karya Persero Tbk PT	235,600	10,144
AKR Corporindo Tbk PT	49,400	8,845
Alam Sutera Realty Tbk PT (A)	2,635,100	23,919
Aneka Tambang Tbk PT	938,306	40,052
Asahimas Flat Glass Tbk PT	62,500	14,532
Astra Agro Lestari Tbk PT	74,455	43,253

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Indonesia (continued)		
Astra International Tbk PT	669,200	\$ 226,349
Astrindo Nusantara Infrastructure Tbk PT (A)	8,664,700	30,328
Bakrie Telecom Tbk PT (A)(D)	17,557,300	30,727
Bank Danamon Indonesia Tbk PT	132,094	25,024
Bank Mandiri Persero Tbk PT	1,826,840	634,334
Bank Negara Indonesia Persero Tbk PT	831,281	268,590
Bank Pan Indonesia Tbk PT (A)	695,197	39,965
Bank Pembangunan Daerah Jawa Barat Dan Banten Tbk PT	284,100	15,172
Bank Pembangunan Daerah Jawa Timur Tbk PT	625,600	21,929
Bank Tabungan Negara Persero Tbk PT	376,361	33,146
Barito Pacific Tbk PT (A)	1,502,000	122,907
Bekasi Fajar Industrial Estate Tbk PT (A)	817,800	6,590
BISI International Tbk PT (A)	290,800	16,804
Blue Bird Tbk PT (A)	5,500	420
Bukit Asam Tbk PT	380,100	54,319
Bumi Serpong Damai Tbk PT (A)	499,400	26,110
Ciputra Development Tbk PT	1,696,244	73,131
Delta Dunia Makmur Tbk PT (A)	610,700	5,855
Elnusa Tbk PT (A)	742,600	11,520
Erajaya Swasembada Tbk PT (A)	222,700	19,689
Garuda Indonesia Persero Tbk PT (A)	578,500	9,989
Global Mediacom Tbk PT (A)	1,591,800	20,684
Indah Kiat Pulp & Paper Corp. Tbk PT	298,900	126,098
Indika Energy Tbk PT	225,300	10,690
Indo Tambangraya Megah Tbk PT	34,600	17,335
Indofood Sukses Makmur Tbk PT (A)	483,100	221,840
Intiland Development Tbk PT (A)	1,316,300	17,299
Japfa Comfeed Indonesia Tbk PT	499,770	41,822
Jaya Real Property Tbk PT (A)	215,500	6,171
Kawasan Industri Jababeka Tbk PT (A)	2,384,099	23,967
Krakatau Steel Persero Tbk PT (A)	540,000	10,454
Lippo Karawaci Tbk PT (A)	5,991,748	71,881
Malindo Feedmill Tbk PT (A)	128,500	5,326
Medco Energi Internasional Tbk PT (A)	853,233	27,366
Media Nusantara Citra Tbk PT	718,600	45,777
Pabrik Kertas Tjiwi Kimia Tbk PT	70,100	25,551
Paninvest Tbk PT (A)	116,800	6,164
Perusahaan Perkebunan London Sumatra Indonesia Tbk PT (A)	318,000	18,639
PP Persero Tbk PT	292,600	18,003
Salim Ivomas Pratama Tbk PT (A)	670,100	11,957
Sampoerna Agro Tbk PT (A)	260,500	37,903
Sentul City Tbk PT (A)	3,615,400	12,669
Siloam International Hospitals Tbk PT (A)	36,900	13,510
Sri Rejeki Isman Tbk PT (A)	1,260,900	16,724
Suryainti Permata Tbk PT (A)(D)	1,446,000	0
Tiga Pilar Sejahtera Food Tbk PT (A)(D)	1,428,300	11,338
Timah Tbk PT (A)	721,660	30,356
Trias Sentosa Tbk PT	1,032,800	27,715
Truba Alam Manunggal Engineering PT (A)(D)	11,991,500	0
Tunas Baru Lampung Tbk PT	484,800	18,966
United Tractors Tbk PT	202,200	235,283
Vale Indonesia Tbk PT (A)	224,100	44,534
Visi Media Asia Tbk PT (A)	2,030,800	7,114
Waskita Beton Precast Tbk PT	1,406,800	19,425
Waskita Karya Persero Tbk PT	533,700	26,760
Wijaya Karya Persero Tbk PT	349,400	29,519
XL Axiata Tbk PT	403,300	78,722
		3,275,871
Malaysia - 2.1%		
Aeon Company M BHD	28,600	6,771

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Malaysia (continued)		
AFFIN Bank BHD (A)	121,074	\$ 44,674
AirAsia Group BHD	217,600	44,975
Alliance Bank Malaysia BHD	129,100	65,980
AMMB Holdings BHD	204,262	148,850
Batu Kawan BHD	3,100	10,501
Berjaya Assets BHD (A)	77,400	5,428
Berjaya Corp. BHD (A)	422,593	18,724
Berjaya Land BHD (A)	244,400	9,723
BIMB Holdings BHD	25,400	20,319
Boustead Holdings BHD (A)	116,088	16,533
Cahaya Mata Sarawak BHD	52,100	19,155
CIMB Group Holdings BHD	594,423	495,890
Cypark Resources BHD (A)	54,200	12,550
DRB-Hicom BHD	93,400	37,615
Eastern & Oriental BHD	96,737	9,008
Eco World Development Group BHD (A)	84,300	8,254
Ekovest BHD (B)	146,600	17,674
FGV Holdings BHD	198,000	46,291
Gamuda BHD	99,430	84,955
Genting BHD	204,300	196,774
Genting Malaysia BHD	247,000	146,903
HAP Seng Consolidated BHD	22,720	46,784
Hengyuan Refining Company BHD (A)	28,800	23,604
HeveaBoard BHD	105,300	9,404
Hong Leong Financial Group BHD	33,099	101,843
IJM Corp. BHD	264,060	112,275
Insas BHD	88,369	13,303
JAKS Resources BHD (A)	68,100	13,827
Jaya Tiasa Holdings BHD (A)	58,826	6,800
Keck Seng Malaysia BHD	11,300	9,832
KSL Holdings BHD (A)	63,900	8,939
Land & General BHD	437,820	8,806
Lotte Chemical Titan Holding BHD (C)	29,800	12,508
Magnum BHD	131,400	67,705
Mah Sing Group BHD	268,700	33,558
Malayan Banking BHD	331,537	582,544
Malaysia Airports Holdings BHD	36,700	46,871
Malaysia Building Society BHD	174,766	25,431
Malaysian Resources Corp. BHD	202,400	22,397
Matrix Concepts Holdings BHD	17,400	7,363
MBM Resources BHD	11,400	8,688
Mega First Corp. BHD (A)	2,500	3,686
MISC BHD	106,200	190,253
MKH BHD	49,230	12,923
MMC Corp. BHD	68,600	11,801
MNRB Holdings BHD	36,891	6,311
Muhibbah Engineering (M) BHD	69,300	15,274
Oriental Holdings BHD	44,420	58,698
OSK Holdings BHD	212,897	40,153
Petron Malaysia Refining & Marketing BHD	19,300	18,147
Pos Malaysia BHD	30,900	6,780
PPB Group BHD	30,500	126,940
RHB Bank BHD	140,789	157,810
Sapura Energy BHD (A)(B)	1,155,500	26,311
Sime Darby BHD	307,400	154,988
Sime Darby Property BHD	271,300	43,202
SP Setia BHD Group	173,900	34,597
Sunway BHD	140,407	45,066
Ta Ann Holdings BHD	50,348	27,912
TA Global BHD (A)	126,500	7,102
Tan Chong Motor Holdings BHD	6,300	1,614
TIME dotCom BHD	7,900	20,086
Tropicana Corp. BHD (A)	154,431	31,719
UEM Edgenta BHD	32,900	14,940

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Malaysia (continued)		
UEM Sunrise BHD (A)	372,300	\$ 38,166
UMW Holdings BHD	48,800	29,308
United Malacca BHD	11,900	13,064
UOA Development BHD (A)	97,700	42,287
Velesto Energy BHD (A)	428,800	14,862
Vivocom International Holdings BHD (A)	1,011,666	7,083
Wah Seong Corp. BHD	1,708	202
WCT Holdings BHD (A)	190,652	21,698
YNH Property BHD (A)	34,619	22,420
YTL Corp. BHD	640,114	124,514
		3,999,946
Mexico - 2.3%		
Alfa SAB de CV, Class A (B)	431,015	242,094
Alpek SAB de CV (B)	49,200	37,460
Arca Continental SAB de CV (B)	31,287	137,347
Banco del Bajío SA (A)(C)	80,257	68,718
Cemex SAB de CV	1,109,474	312,793
Coca-Cola Femsa SAB de CV	23,422	102,230
Consorcio ARA SAB de CV (B)	25,993	2,850
Corp. Actinver SAB de CV	16,024	6,414
Credito Real SAB de CV (A)(B)	47,738	24,882
El Puerto de Liverpool SAB de CV, Series C1	13,794	33,908
Genera SAB de CV	115,192	55,981
Grupo Aeromexico SAB de CV (A)	36,410	9,220
Grupo Carso SAB de CV, Series A1	34,769	67,361
Grupo Cementos de Chihuahua SAB de CV	14,906	63,095
Grupo Comercial Chedraui SA de CV	42,589	50,345
Grupo Elektra SAB de CV	2,552	139,900
Grupo Famsa SAB de CV, Class A (A)	38,394	1,971
Grupo Financiero Banorte SAB de CV, Series O (A)	183,982	636,607
Grupo Financiero Inbursa SAB de CV, Series O (A)	182,650	126,908
Grupo Industrial Saltillo SAB de CV (A)	49,634	36,063
Grupo KUO SAB de CV, Series B	51,692	105,703
Grupo Mexico SAB de CV, Series B	390,404	907,028
Grupo Pochteca SAB de CV (A)	9,600	2,468
Grupo Sanborns SAB de CV	135,592	117,986
Grupo Sports World SAB de CV (A)	9,300	5,179
Grupo Televisa SAB (A)(B)	202,588	212,685
Industrias Bachoco SAB de CV, Series B	14,121	41,175
Industrias CH SAB de CV, Series B	23,873	89,480
Industrias Penoles SAB de CV (B)	12,262	125,952
Minera Frisco SAB de CV, Series A1 (A)(B)	70,737	9,848
Minera Frisco SAB de CV, Series A2 (A)	41,686	3,627
Nemak SAB de CV (B)(C)	122,637	25,611
Orbia Advance Corp. SAB de CV	82,670	122,182
Organizacion Cultiba SAB de CV (A)	67,503	41,116
Organizacion Soriana SAB de CV, Series B	342,081	267,896
Promotora y Operadora de Infraestructura SAB de CV (A)	11,492	82,993
Promotora y Operadora de Infraestructura SAB de CV, L Shares (A)	3,141	15,015
Unifin Financiera SAB de CV (A)	21,575	16,155
Vitro SAB de CV, Series A (A)	6,357	6,912
		4,355,158
Philippines - 1.2%		
Alliance Global Group, Inc. (A)	382,700	52,464
Altus Property Ventures, Inc. (A)	11,509	9,609
Ayala Corp.	13,690	214,885
Bank of the Philippine Islands	74,260	107,603

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Philippines (continued)		
BDO Unibank, Inc.	154,227	\$ 304,332
Cebu Air, Inc. (A)	27,720	22,117
China Banking Corp.	75,528	31,883
Cosco Capital, Inc.	388,900	39,439
DMCI Holdings, Inc.	144,200	11,915
East West Banking Corp. (A)	74,300	10,969
EEL Corp. (A)	43,000	4,335
Filinvest Development Corp.	119,475	18,950
Filinvest Land, Inc. (A)	937,500	18,667
First Philippine Holdings Corp.	37,430	45,994
Global Ferronickel Holdings, Inc. (A)	283,424	4,902
GT Capital Holdings, Inc.	4,619	42,396
JG Summit Holdings, Inc.	271,920	354,928
LT Group, Inc.	159,800	25,777
Megaworld Corp.	839,700	51,651
Metropolitan Bank & Trust Company	130,973	97,843
Nickel Asia Corp.	533,320	19,556
Petron Corp.	505,400	31,475
Phillex Mining Corp.	161,300	8,628
Philippine National Bank (A)	65,310	26,323
Philtown Properties, Inc. (A)(D)	3,844	119
Phoenix Petroleum Philippines, Inc.	22,200	5,102
Premium Leisure Corp.	815,000	5,183
RFM Corp.	133,500	11,551
Rizal Commercial Banking Corp.	62,703	21,348
Robinsons Land Corp.	474,668	167,541
Robinsons Retail Holdings, Inc.	16,680	21,746
San Miguel Corp.	75,250	151,343
Security Bank Corp.	15,410	32,063
Top Frontier Investment Holdings, Inc. (A)	58,734	152,806
Union Bank of the Philippines	43,950	48,080
Vista Land & Lifescapes, Inc.	763,000	56,681
		2,230,204
Poland - 0.8%		
Alior Bank SA (A)	8,706	35,870
Amica SA (A)	769	23,915
Bank Millennium SA (A)	57,979	44,645
Boryszew SA (A)	12,781	11,414
Ciech SA (A)	2,826	22,936
Develia SA	22,340	10,994
Enea SA (A)	24,198	44,084
Grupa Azoty SA (A)	4,728	36,797
Grupa Lotos SA	4,036	61,521
Jastrzebska Spolka Weglowa SA	2,583	12,366
KGHM Polska Miedz SA (A)	15,387	357,523
Lubelski Wegiel Bogdanka SA	2,164	12,148
mBank SA (A)	914	53,443
PGE Polska Grupa Energetyczna SA (A)	63,994	111,897
PKP Cargo SA	5,709	19,874
Polski Koncern Naftowy ORLEN SA	30,903	491,096
Powszechna Kasa Oszczednosci Bank Polski SA	12,049	70,165
Stalexport Autostrady SA	15,820	11,183
Tauron Polska Energia SA (A)(B)	106,161	63,910
		1,495,781
Russia - 1.8%		
Gazprom PJSC, ADR	220,287	1,189,535
LUKOIL PJSC, ADR (London Stock Exchange)	24,056	1,788,183
Rosneft Oil Company PJSC, GDR	48,848	245,496
RusHydro PJSC, ADR	74,896	73,613
VTB Bank PJSC, GDR (A)	86,297	80,537
		3,377,364

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Africa - 4.5%		
Absa Group, Ltd.	60,771	\$ 300,016
AECI, Ltd.	18,530	82,354
African Oxygen, Ltd.	7,992	8,085
African Rainbow Minerals, Ltd.	14,542	142,383
Alexander Forbes Group Holdings, Ltd.	120,790	33,185
Allied Electronics Corp., Ltd., A Shares	11,825	13,793
Alviva Holdings, Ltd.	22,754	8,773
AngloGold Ashanti, Ltd.	33,638	989,704
Aspen Pharmacare Holdings, Ltd. (A)	28,458	236,380
Astral Foods, Ltd.	4,628	39,073
Balwin Properties, Ltd.	6,271	976
Barloworld, Ltd.	29,177	116,310
Blue Label Telecoms, Ltd. (A)	44,582	6,726
Caxton & CTP Publishers & Printers, Ltd.	19,879	4,705
DataTec, Ltd.	17,642	27,050
Discovery, Ltd.	31,320	189,202
Distell Group Holdings, Ltd.	3,034	13,363
Exxaro Resources, Ltd.	24,309	183,485
FirstRand, Ltd.	137,017	301,312
Gold Fields, Ltd., ADR	115,161	1,082,513
Grindrod, Ltd.	84,437	14,877
Harmony Gold Mining Company, Ltd. (A)	10,790	45,115
Hudaco Industries, Ltd.	5,065	21,327
Impala Platinum Holdings, Ltd.	47,215	317,973
Imperial Logistics, Ltd.	19,928	45,110
Investec, Ltd.	25,084	50,111
KAP Industrial Holdings, Ltd.	382,818	55,168
Lewis Group, Ltd.	14,408	10,730
Liberty Holdings, Ltd.	18,643	71,407
Life Healthcare Group Holdings, Ltd.	120,405	115,985
Long4Life, Ltd. (A)	31,563	5,658
Massmart Holdings, Ltd. (A)	9,208	12,216
Metair Investments, Ltd.	28,785	29,951
Momentum Metropolitan Holdings	153,821	156,537
Motus Holdings, Ltd.	14,065	24,932
Mpact, Ltd.	23,460	14,236
MTN Group, Ltd.	206,982	633,911
Murray & Roberts Holdings, Ltd.	60,191	17,328
Nampak, Ltd. (A)	106,426	7,973
Nedbank Group, Ltd.	39,121	229,382
Ninety One, Ltd. (A)	12,542	31,759
Novus Holdings, Ltd.	30,686	1,996
Oceana Group, Ltd.	2,614	10,746
Old Mutual, Ltd.	238,727	166,391
Omnia Holdings, Ltd. (A)	32,706	52,619
Pepkor Holdings, Ltd. (C)	42,396	26,839
Peregrine Holdings, Ltd.	27,974	31,663
PPC, Ltd. (A)	168,790	9,743
Raubex Group, Ltd.	31,032	39,567
RCL Foods, Ltd.	35,643	18,091
Reunert, Ltd.	22,587	44,466
Sanlam, Ltd.	25,489	86,706
Sappi, Ltd. (A)	61,862	96,751
Sasol, Ltd. (A)	39,640	304,387
Sibanye Stillwater, Ltd. (A)	294,517	639,476
Standard Bank Group, Ltd.	130,201	785,923
Steinhoff International Holdings NV (A)	385,867	22,765
Super Group, Ltd. (A)	49,845	46,009
Telkom SA SOC, Ltd.	37,622	64,533
The Bidvest Group, Ltd.	15,088	123,794
The Foschini Group, Ltd.	21,973	81,673
Tiger Brands, Ltd.	12,335	126,922
Tongaat Hulett, Ltd. (A)	15,397	4,822
Trencor, Ltd.	40,666	12,207
Truworths International, Ltd.	34,386	67,385

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Africa (continued)		
Tsogo Sun Gaming, Ltd.	58,771	\$ 14,982
Wilson Bayly Holmes-Ovcon, Ltd.	9,168	53,436
		8,624,966
South Korea - 14.0%		
Aekyung Petrochemical Company, Ltd.	2,084	11,270
AJ Networks Company, Ltd.	2,832	6,775
AK Holdings, Inc.	743	11,644
Asia Cement Company, Ltd.	32	1,450
ASIA Holdings Company, Ltd.	241	14,058
Autech Corp.	2,390	21,819
BNK Financial Group, Inc.	33,829	142,097
Bookook Securities Company, Ltd.	501	7,720
Busan City Gas Company, Ltd.	58	1,739
Chongkundang Holdings Corp.	206	20,679
Chosun Refractories Company, Ltd.	338	20,220
CJ CheilJedang Corp.	1,034	282,329
CJ Corp.	2,236	161,561
CJ Freshway Corp.	575	7,370
CJ Logistics Corp. (A)	930	122,579
CKD Bio Corp.	797	26,327
Cosmax BTI, Inc.	798	11,520
D.I. Corp.	4,680	15,793
Dae Dong Industrial Company, Ltd.	3,364	17,176
Dae Han Flour Mills Company, Ltd.	232	31,978
Dae Won Kang Up Company, Ltd.	4,385	11,241
Daelim Industrial Company, Ltd.	3,627	249,495
Daesang Corp.	2,028	43,984
Daesang Holdings Company, Ltd.	2,310	15,681
Daewoo Engineering & Construction Company, Ltd. (A)	24,993	71,728
Daewoong Company, Ltd.	1,036	23,636
Dahaam E-Tec Company, Ltd. (A)	2,630	58,051
Daihan Pharmaceutical Company, Ltd.	563	13,736
Daishin Securities Company, Ltd.	3,901	31,582
Daou Data Corp.	1,778	18,719
Daou Technology, Inc.	3,359	56,100
DB Financial Investment Company, Ltd.	7,633	20,302
DB Insurance Company, Ltd.	6,909	247,796
DB, Inc. (A)	19,825	11,537
Deutsch Motors, Inc. (A)	3,827	20,138
DGB Financial Group, Inc.	22,082	94,954
DHP Korea Company, Ltd.	2,213	14,659
DI Dong Il Corp.	211	11,869
Dongkuk Industries Company, Ltd.	8,476	18,093
Dongkuk Steel Mill Company, Ltd. (A)	6,404	28,478
Dongwha Enterprise Company, Ltd.	1,327	37,192
Dongwon Development Company, Ltd.	9,567	26,260
Dongwon F&B Company, Ltd.	122	18,253
Dongwon Industries Company, Ltd.	176	29,446
Doosan Bobcat, Inc.	4,079	90,726
Doosan Company, Ltd.	554	17,684
Doosan Fuel Cell Company, Ltd. (A)	1,854	50,303
Doosan Heavy Industries & Construction Company, Ltd. (A)	20,559	83,702
Doosan Infracore Company, Ltd. (A)	22,297	136,159
Doosan Solus Company, Ltd. (A)	1,022	28,758
DTR Automotive Corp.	1,179	24,311
e Tec E&C, Ltd.	188	11,117
Easy Bio, Inc.	3,872	16,297
Easy Bio, Inc. (A)	159	6,874
E-MART, Inc.	2,003	177,106
EM-Tech Company, Ltd. (A)	1,579	17,875
Eugene Corp.	6,888	20,988
Eugene Investment & Securities Company, Ltd.	11,471	27,434

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Eusu Holdings Company, Ltd. (A)	1,407	\$ 7,125
Farmsco	2,687	13,524
GS Engineering & Construction Corp.	8,550	176,036
GS Global Corp. (A)	7,813	10,760
GS Holdings Corp.	7,652	231,781
GS Home Shopping, Inc.	370	33,766
GS Retail Company, Ltd.	933	28,510
Gwangju Shinsegae Company, Ltd.	152	17,315
Halla Holdings Corp.	1,446	32,370
Hana Financial Group, Inc.	35,399	805,057
Hana Micron, Inc.	4,519	17,533
Handsome Company, Ltd.	1,545	45,306
Hanil Cement Company, Ltd.	609	41,428
Hanil Holdings Company, Ltd.	595	22,812
Hanjin Transportation Company, Ltd.	878	32,421
Hankook Tire & Technology Company, Ltd.	9,820	203,237
Hansae Company, Ltd.	2,265	20,080
Hanshin Construction Company, Ltd.	1,844	17,715
Hansol Holdings Company, Ltd. (A)	5,241	13,202
Hansol Paper Company, Ltd.	2,920	34,173
Hansol Technics Company, Ltd. (A)	3,325	19,554
Hanwha Aerospace Company, Ltd. (A)	2,248	46,336
Hanwha Corp.	5,442	101,632
Hanwha General Insurance Company, Ltd. (A)	5,427	11,799
Hanwha Investment & Securities Company, Ltd. (A)	15,071	20,956
Hanwha Life Insurance Company, Ltd.	43,282	49,646
Hanwha Solutions Corp.	11,907	193,314
Harim Holdings Company, Ltd.	5,472	30,867
HDC Holdings Company, Ltd.	6,598	46,653
Heungkuk Fire & Marine Insurance Company, Ltd. (A)	6,321	11,771
Hitejinro Holdings Company, Ltd.	995	18,054
Huchems Fine Chemical Corp.	1,199	15,974
Huvis Corp.	3,715	20,525
Huvitz Company, Ltd.	1,341	7,730
Hyosung Advanced Materials Corp. (A)	154	14,794
Hyosung Corp.	1,204	63,263
Hyosung Heavy Industries Corp. (A)	1,359	33,080
Hyundai Construction Equipment Company, Ltd. (A)	2,494	46,092
Hyundai Corp.	1,339	14,833
Hyundai Corp. Holdings, Inc.	1,811	14,382
Hyundai Department Store Company, Ltd.	1,847	86,909
Hyundai Electric & Energy System Company, Ltd. (A)	3,875	25,783
Hyundai Engineering & Construction Company, Ltd.	7,065	195,709
Hyundai Glovis Company, Ltd.	2,273	193,246
Hyundai Greenfood Company, Ltd.	5,234	33,808
Hyundai Heavy Industries Holdings Company, Ltd.	1,072	221,241
Hyundai Home Shopping Network Corp.	652	34,954
Hyundai Hy Communications & Network Company, Ltd.	8,894	31,895
Hyundai Livart Furniture Company, Ltd.	1,327	18,836
Hyundai Marine & Fire Insurance Company, Ltd.	8,489	162,959
Hyundai Mipo Dockyard Company, Ltd.	3,528	92,705
Hyundai Mobis Company, Ltd.	5,175	830,687
Hyundai Motor Company	12,189	1,001,246
Hyundai Motor Securities Company, Ltd.	3,480	24,222
Hyundai Steel Company	9,128	157,860

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Hyundai Wia Corp.	2,177	\$ 63,381
Industrial Bank of Korea	32,555	221,217
Interpark Holdings Corp.	5,387	10,360
INTOPS Company, Ltd.	1,374	12,762
Iones Company, Ltd. (A)	2,017	11,920
IS Dongseo Company, Ltd.	1,589	37,424
Jahwa Electronics Company, Ltd. (A)	2,057	11,219
JB Financial Group Company, Ltd.	25,449	100,917
Jeil Savings Bank (A)(D)	1,820	0
Jusung Engineering Company, Ltd.	6,340	29,822
KAON Media Company, Ltd.	3,151	14,854
KB Financial Group, Inc.	5,839	165,300
KB Financial Group, Inc., ADR	39,288	1,092,992
KC Company, Ltd.	1,496	23,624
KCC Corp.	347	38,625
KCC Glass Corp. (A)	326	8,952
Kia Motors Corp.	30,570	826,080
KISCO Corp.	4,131	15,298
KISCO Holdings Company, Ltd.	1,536	14,444
KISWIRE, Ltd.	1,351	17,260
KIWOOM Securities Company, Ltd.	1,432	104,696
Kolmar Korea Holdings Company, Ltd.	1,323	24,368
Kolon Corp.	898	13,451
Kolon Industries, Inc.	2,219	59,631
Korea Asset In Trust Company, Ltd.	9,060	21,302
Korea Autoglass Corp.	1,289	14,494
Korea Electric Terminal Company, Ltd.	561	14,994
Korea Investment Holdings Company, Ltd.	5,594	209,725
Korea Line Corp. (A)	2,569	37,084
Korea Petrochemical Industrial Company, Ltd.	441	41,807
Korea Real Estate Investment & Trust Company, Ltd.	14,635	20,793
Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	3,532	260,000
Korea Zinc Company, Ltd.	845	236,765
Korean Air Lines Company, Ltd. (A)	6,344	93,012
Korean Reinsurance Company	9,470	58,240
Kortek Corp.	1,806	13,479
KPX Chemical Company, Ltd.	660	26,556
KSS LINE, Ltd.	3,562	23,323
KT SkyLife Company, Ltd.	1,768	11,701
KTB Investment & Securities Company, Ltd.	8,806	16,562
Kukdo Chemical Company, Ltd.	308	8,816
Kumho Petrochemical Company, Ltd.	2,132	133,334
Kumho Tire Company, Inc. (A)	7,054	17,754
Kyeryong Construction Industrial Company, Ltd.	1,547	19,783
LF Corp.	2,312	23,927
LG Corp.	8,426	502,874
LG Display Company, Ltd., ADR (A)	74,964	362,076
LG Electronics, Inc.	16,836	892,236
LG Hausys, Ltd.	659	35,487
LG HelloVision Company, Ltd.	3,836	12,833
LG International Corp.	2,902	37,857
LG Uplus Corp.	18,651	190,599
Lotte Chemical Corp.	1,701	237,727
Lotte Chilsung Beverage Company, Ltd.	305	25,990
Lotte Corp.	2,012	53,210
LOTTE Fine Chemical Company, Ltd.	1,849	53,369
Lotte Food Company, Ltd.	34	9,978
LOTTE Himart Company, Ltd.	1,006	32,384
Lotte Non-Life Insurance Company, Ltd. (A)	5,459	7,515

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Lotte Shopping Company, Ltd.	1,153	\$ 77,059
LS Corp.	1,793	52,308
LS Industrial Systems Company, Ltd.	2,098	84,498
Mando Corp.	4,424	83,230
Meritz Financial Group, Inc.	4,707	36,863
Meritz Fire & Marine Insurance Company, Ltd.	7,460	79,062
Meritz Securities Company, Ltd.	47,395	120,531
Mirae Asset Daewoo Company, Ltd.	33,985	190,658
Mirae Asset Life Insurance Company, Ltd.	15,142	33,507
MK Electron Company, Ltd.	4,085	26,039
Muhak Company, Ltd. (A)	2,080	9,237
Namyang Dairy Products Company, Ltd.	58	13,716
Nexen Corp.	3,733	12,160
Nexen Tire Corp.	6,465	28,814
NH Investment & Securities Company, Ltd.	15,498	107,816
NHN Corp. (A)	941	65,037
Nong Shim Holdings Company, Ltd.	402	27,778
NongShim Company, Ltd.	255	77,713
NS Shopping Company, Ltd.	1,078	11,657
OCI Company, Ltd. (A)	1,606	49,857
Orion Holdings Corp.	2,756	30,625
Paik Kwang Industrial Company, Ltd.	8,300	18,137
Pan Ocean Company, Ltd. (A)	26,446	84,459
Paradise Company, Ltd.	2,760	31,013
Poonglim Industrial Company, Ltd. (A)(D)	189	13
Poongsan Corp.	2,423	44,498
Poongsan Holdings Corp.	753	16,860
POSCO	8,604	1,253,229
Posco International Corp.	5,969	69,649
Power Logics Company, Ltd.	4,827	28,585
Protec Company, Ltd.	1,723	29,185
Rayence Company, Ltd.	1,351	12,482
S&T Dynamics Company, Ltd.	2,942	12,464
S&T Holdings Company, Ltd.	1,460	18,668
S&T Motiv Company, Ltd.	1,396	44,486
Sajo Industries Company, Ltd.	611	13,215
Sam Young Electronics Company, Ltd.	938	5,595
Sambo Motors Company, Ltd. (A)	2,520	8,712
Samho Development Company, Ltd.	4,213	15,167
Sammok S-Form Company, Ltd.	1,315	8,505
SAMPYO Cement Company, Ltd.	4,134	11,086
Samsung C&T Corp.	4,883	475,004
Samsung Card Company, Ltd.	3,308	75,603
Samsung Electronics Company, Ltd.	48,388	2,142,022
Samsung Electronics Company, Ltd., GDR	130	142,118
Samsung Fire & Marine Insurance Company, Ltd.	3,605	530,023
Samsung Heavy Industries Company, Ltd. (A)	37,701	188,769
Samsung Life Insurance Company, Ltd.	6,890	259,052
Samsung Securities Company, Ltd.	6,247	138,105
SAMT Company, Ltd.	11,604	20,243
Samyang Corp.	258	8,613
Samyang Holdings Corp.	535	25,420
Sangsangin Company, Ltd.	7,001	36,061
Sebang Company, Ltd.	1,153	9,853
Sebang Global Battery Company, Ltd.	921	23,503
Sejong Industrial Company, Ltd.	1,547	6,845
Shindaeyang Paper Company, Ltd.	267	12,025
Shinhan Financial Group Company, Ltd.	2,494	60,271
Shinhan Financial Group Company, Ltd., ADR (B)	53,321	1,282,903

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Shinsegae Engineering & Construction Company, Ltd.	621	\$ 10,204
Shinsegae Food Company, Ltd.	268	11,664
Shinsegae Information & Communication Company, Ltd.	294	29,498
Shinsegae, Inc.	994	184,063
Shinwha Intertek Corp.	4,441	9,757
Shinyoung Securities Company, Ltd.	970	34,464
Silla Company, Ltd.	1,581	12,816
Sindoh Company, Ltd.	1,086	22,126
SK Chemicals Company, Ltd.	1,133	121,796
SK Discovery Company, Ltd.	1,496	49,108
SK Gas, Ltd.	602	37,254
SK Holdings Company, Ltd.	2,806	682,426
SK Innovation Company, Ltd.	5,292	585,037
SK Networks Company, Ltd.	21,423	85,051
SK Securities Company, Ltd.	27,076	19,851
SKC Company, Ltd.	2,651	135,721
SL Corp. (D)	1,618	18,563
S-Oil Corp.	265	14,128
Spigen Korea Company, Ltd.	448	23,351
Ssangyong Motor Company (A)	4,060	10,968
Sungshin Cement Company, Ltd.	3,637	18,889
Sungwoo Hitech Company, Ltd.	2,984	6,893
Sunjin Company, Ltd.	2,276	18,564
Taekwang Industrial Company, Ltd.	65	37,700
Taeyoung Engineering & Construction Company, Ltd.	4,388	57,464
Telechips, Inc.	2,964	18,955
Tongyang Life Insurance Company, Ltd.	7,644	18,625
Tovis Company, Ltd.	1,305	7,273
TS Corp.	1,273	20,933
Unid Company, Ltd.	746	26,179
WiSoL Company, Ltd.	2,088	23,004
Wonik Holdings Company, Ltd. (A)	5,948	22,595
Woori Financial Group, Inc.	63,343	466,904
Young Poong Corp.	51	19,705
Youngone Corp.	3,192	68,111
Youngone Holdings Company, Ltd.	920	29,691
Yuanta Securities Korea Company, Ltd. (A)	11,703	25,730
Zeus Company, Ltd.	1,798	19,513
		26,577,197
Taiwan - 17.8%		
Acer, Inc.	256,452	156,311
ACES Electronic Company, Ltd.	18,000	17,259
Advanced International Multitech Company, Ltd.	13,000	13,750
Advantec Enterprise Company, Ltd.	35,186	20,946
AGV Products Corp. (A)	87,716	22,704
Allis Electric Company, Ltd.	36,050	27,274
Alpha Networks, Inc.	35,000	32,666
AmTRAN Technology Company, Ltd. (A)	53,000	14,488
Apacer Technology, Inc.	11,000	16,279
APCB, Inc.	37,000	28,410
Apex International Company, Ltd.	7,000	16,476
Ardentec Corp.	45,000	48,908
ASE Technology Holding Company, Ltd.	214,000	492,844
Asia Cement Corp. (B)	265,805	394,214
Asia Polymer Corp.	47,253	30,765
Asia Tech Image, Inc.	12,000	23,313
Asia Vital Components Company, Ltd.	48,328	68,928
Asustek Computer, Inc.	68,000	499,622
Audix Corp.	21,000	29,458
AVY Precision Technology, Inc.	24,498	20,946
BES Engineering Corp.	227,700	54,984

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Capital Securities Corp.	327,403	\$ 115,075
Career Technology MFG. Company, Ltd.	60,000	62,816
Casetek Holdings, Ltd.	22,000	49,333
Catcher Technology Company, Ltd.	96,000	727,505
Cathay Financial Holding Company, Ltd.	952,423	1,354,808
Cathay Real Estate Development Company, Ltd.	46,400	31,320
Central Reinsurance Company, Ltd.	31,500	19,972
Champion Building Materials Company, Ltd. (A)	65,132	11,929
Chang Hwa Commercial Bank, Ltd.	463,394	304,884
Channel Well Technology Company, Ltd.	16,000	14,978
CHC Healthcare Group	21,000	31,531
Chen Full International Company, Ltd.	15,000	19,783
Cheng Loong Corp.	68,320	54,088
Cheng Uei Precision Industry Company, Ltd.	56,629	77,189
Chilisin Electronics Corp.	24,000	73,798
China Airlines, Ltd.	264,910	73,968
China Bills Finance Corp.	145,000	75,586
China Chemical & Pharmaceutical Company, Ltd.	34,000	29,306
China Development Financial Holding Corp.	1,043,208	335,460
China General Plastics Corp.	34,000	21,932
China Life Insurance Company, Ltd.	282,719	210,041
China Man-Made Fiber Corp.	171,552	38,885
China Metal Products Company, Ltd.	42,513	40,133
China Motor Corp.	30,250	37,878
China Petrochemical Development Corp. (A)	275,677	77,922
China Steel Corp.	1,809,180	1,274,086
China Wire & Cable Company, Ltd.	26,380	24,598
Chin-Poon Industrial Company, Ltd.	43,571	39,351
Chipbond Technology Corp. (B)	80,000	175,565
ChipMOS Technologies, Inc.	66,938	77,094
Chong Hong Construction Company, Ltd.	10,000	29,526
Chun Yuan Steel Industry Company, Ltd.	50,874	17,190
Chung Hung Steel Corp.	38,625	10,898
Chung Hwa Pulp Corp.	108,977	33,243
Chung-Hsin Electric & Machinery Manufacturing Corp.	46,500	43,783
CMC Magnetics Corp. (A)	152,470	38,261
Compal Electronics, Inc. (B)	523,000	342,330
Compeq Manufacturing Company, Ltd.	111,000	181,174
Continental Holdings Corp.	74,050	32,453
Coretronic Corp.	53,000	57,584
CTBC Financial Holding Company, Ltd.	2,343,348	1,624,030
DA CIN Construction Company, Ltd.	20,000	15,376
Darfon Electronics Corp.	16,000	20,632
Darwin Precisions Corp.	37,000	13,385
Delpha Construction Company, Ltd.	2,261	1,311
Depo Auto Parts Industrial Company, Ltd.	21,000	36,521
Dynamic Electronics Company, Ltd. (A)	74,633	44,431
Dynapack International Technology Corp.	10,000	25,961
E Ink Holdings, Inc.	76,000	105,538
E.Sun Financial Holding Company, Ltd.	71,002	67,254
Edom Technology Company, Ltd.	34,000	20,749
Elite Semiconductor Memory Technology, Inc.	35,000	46,179
Elitegroup Computer Systems Company, Ltd. (A)	65,104	26,245
EnTie Commercial Bank Company, Ltd.	103,000	49,932
Epistar Corp. (A)	19,312	24,296
Eson Precision Ind Company, Ltd.	12,000	13,206

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Eternal Materials Company, Ltd.	12,000	\$ 12,729
Eva Airways Corp.	287,725	109,947
Everest Textile Company, Ltd. (A)	98,085	35,127
Evergreen International Storage & Transport Corp.	85,600	39,660
Evergreen Marine Corp. Taiwan, Ltd. (A)	475,655	174,018
Everlight Chemical Industrial Corp.	83,250	41,732
Everlight Electronics Company, Ltd.	74,000	78,217
Excelsior Medical Company, Ltd.	26,573	53,631
Far Eastern Department Stores, Ltd.	148,720	125,866
Far Eastern International Bank	341,171	128,754
Far Eastern New Century Corp.	408,249	387,711
Farglory Land Development Company, Ltd.	44,530	71,627
First Financial Holding Company, Ltd.	906,781	699,079
First Steamship Company, Ltd.	77,807	26,496
Formosa Advanced Technologies Company, Ltd.	25,000	32,564
Formosa Chemicals & Fibre Corp. (B)	205,000	528,004
Formosa Laboratories, Inc.	19,543	36,684
Formosa Taffeta Company, Ltd.	67,000	82,997
Formosan Rubber Group, Inc.	33,020	20,360
Formosan Union Chemical	48,812	22,082
Foxconn Technology Company, Ltd.	83,626	161,031
Froch Enterprise Company, Ltd.	33,060	12,205
Fubon Financial Holding Company, Ltd.	874,417	1,305,520
Fulltech Fiber Glass Corp.	45,000	16,749
G Shank Enterprise Company, Ltd.	40,535	27,843
Gemtek Technology Corp. (A)	32,000	26,288
General Interface Solution Holding, Ltd.	29,000	111,465
Giantplus Technology Company, Ltd.	31,000	9,872
Gigabyte Technology Company, Ltd.	17,000	37,945
Gigastorage Corp. (A)	51,122	15,307
Global Brands Manufacture, Ltd.	40,806	19,593
Globe Union Industrial Corp.	51,750	23,243
Gloria Material Technology Corp.	83,684	45,118
Gold Circuit Electronics, Ltd. (A)	44,000	50,320
Goldsun Building Materials Company, Ltd.	188,714	96,977
Grand Ocean Retail Group, Ltd.	13,000	11,052
Grand Pacific Petrochemical (A)	77,000	38,047
Great China Metal Industry	33,000	24,137
Great Wall Enterprise Company, Ltd.	29,754	43,149
Hannstar Board Corp.	39,750	52,665
HannStar Display Corp.	320,842	70,920
HannsTouch Solution, Inc. (A)	64,000	21,922
Hey Song Corp.	50,000	55,987
Ho Tung Chemical Corp.	150,399	37,374
Hon Hai Precision Industry Company, Ltd.	1,016,448	2,984,449
Hong Pu Real Estate Development Company, Ltd.	27,000	21,708
Hsing TA Cement Company, Ltd.	38,000	23,391
HUA ENG Wire & Cable Company, Ltd. (A)	42,000	14,290
Hua Nan Financial Holdings Company, Ltd.	702,905	478,406
Hung Sheng Construction, Ltd.	52,800	32,138
IBF Financial Holdings Company, Ltd.	347,807	138,800
Ichia Technologies, Inc.	25,000	11,543
Innolux Corp. (B)	792,561	213,487
Integrated Service Technology, Inc.	9,000	16,667
International CSRC Investment Holdings Company	124,383	85,431
Inventec Corp.	267,000	227,942
Jarlllytec Company, Ltd.	9,000	19,218
Jess-Link Products Company, Ltd.	13,000	15,810

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Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Jih Sun Financial Holdings Company, Ltd.	272,330	\$ 89,177
Kaimei Electronic Corp.	19,000	22,347
Kenda Rubber Industrial Company, Ltd.	38,000	37,864
King Yuan Electronics Company, Ltd. (B)	183,796	215,235
King's Town Bank Company, Ltd.	113,000	137,891
King's Town Construction Company, Ltd. (A)	7,300	8,648
Kinpo Electronics, Inc.	183,269	67,675
Kinsus Interconnect Technology Corp.	22,000	52,801
Kuo Toong International Company, Ltd.	18,248	10,616
L&K Engineering Company, Ltd.	17,000	15,722
Lealea Enterprise Company, Ltd. (A)	132,124	33,634
Lida Holdings, Ltd.	4,640	5,926
Lingsen Precision Industries, Ltd. (A)	73,481	25,767
Lite-On Technology Corp.	164,000	258,243
Longchen Paper & Packaging Company, Ltd.	134,378	65,483
Macronix International (B)	129,000	136,797
Mega Financial Holding Company, Ltd.	830,472	872,950
Mercuries & Associates Holding, Ltd.	43,469	39,175
Mercuries Life Insurance Company, Ltd. (A)	50,998	17,368
Mitac Holdings Corp.	96,711	106,871
MPI Corp.	16,000	50,356
Nan Ya Plastics Corp.	13,000	28,553
Nanya Technology Corp.	148,000	308,786
Nien Hsing Textile Company, Ltd.	27,310	15,523
Nishoku Technology, Inc.	7,800	17,286
O-Bank Company, Ltd.	48,000	11,748
OptoTech Corp.	68,439	47,873
Pacific Construction Company	38,289	12,796
Pan Jit International, Inc.	13,000	12,572
Pan-International Industrial Corp.	44,481	27,532
Pegatron Corp.	250,660	546,724
Pou Chen Corp.	283,348	277,962
President Securities Corp.	93,845	43,555
Prince Housing & Development Corp.	201,555	69,135
Prodisc Technology, Inc. (A)(D)	762,000	0
Qisda Corp.	210,280	126,397
Quanta Storage, Inc.	23,000	26,749
Quintain Steel Company, Ltd.	53,200	14,702
Radium Life Tech Company, Ltd.	102,621	35,930
Rechi Precision Company, Ltd.	20,000	11,643
Ritek Corp. (A)	107,000	19,167
Ruentex Development Company, Ltd.	51,562	89,600
Ruentex Industries, Ltd.	33,000	79,362
Sampo Corp.	43,470	31,835
San Far Property, Ltd. (A)	25,000	12,896
Sanyang Motor Company, Ltd.	48,000	34,605
Sesoda Corp.	39,734	36,203
Shan-Loong Transportation Company, Ltd.	23,000	23,129
Sheng Yu Steel Company, Ltd.	22,000	13,149
ShenMao Technology, Inc.	8,000	5,684
Shihlin Electric & Engineering Corp.	21,000	32,526
Shin Kong Financial Holding Company, Ltd.	1,119,997	328,096
Shining Building Business Company, Ltd. (A)	55,118	18,545
Shinkong Insurance Company, Ltd.	34,000	41,265
Shinkong Synthetic Fibers Corp.	132,239	50,550
Sigurd Microelectronics Corp.	47,773	66,102
Sincere Navigation Corp.	24,000	12,343
Sinher Technology, Inc.	8,000	11,577
Sinon Corp.	71,650	44,214
SinoPac Financial Holdings Company, Ltd.	1,133,931	419,134

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Sirtec International Company, Ltd.	23,800	\$ 23,966
Siward Crystal Technology Company, Ltd.	20,000	13,791
Sunplus Technology Company, Ltd. (A)	58,000	24,138
Sunrex Technology Corp.	22,678	31,035
Supreme Electronics Company, Ltd.	12,000	12,159
Sweeten Real Estate Development Company, Ltd.	38,470	28,184
Synnex Technology International Corp.	134,000	189,847
TA Chen Stainless Pipe	68,000	62,823
Ta Ya Electric Wire & Cable	89,893	33,250
Taichung Commercial Bank Company, Ltd.	402,037	159,215
Taiflex Scientific Company, Ltd.	24,100	40,303
Tainan Spinning Company, Ltd.	189,638	73,180
Taishin Financial Holding Company, Ltd.	910,177	413,818
Taita Chemical Company, Ltd.	62,220	30,718
Taiwan Business Bank	562,884	206,984
Taiwan Cement Corp.	769,815	1,120,107
Taiwan Chinsan Electronic Industrial Company, Ltd.	14,000	16,868
Taiwan Cooperative Financial Holding Company, Ltd.	790,025	557,694
Taiwan Fertilizer Company, Ltd.	65,000	110,089
Taiwan Fire & Marine Insurance Company, Ltd.	41,000	27,342
Taiwan FU Hsing Industrial Company, Ltd.	31,000	41,186
Taiwan Glass Industry Corp.	170,319	57,975
Taiwan Hon Chuan Enterprise Company, Ltd.	40,000	74,748
Taiwan Kolin Company, Ltd. (A)(D)	327,000	0
Taiwan PCB Techvest Company, Ltd.	49,000	58,300
Taiwan Styrene Monomer	38,000	21,227
Taiwan Surface Mounting Technology Corp.	26,225	116,609
Taiyen Biotech Company, Ltd.	26,137	27,739
Tatung Company, Ltd. (A)	116,000	82,885
Teco Electric & Machinery Company, Ltd.	132,000	121,400
The Ambassador Hotel	29,000	28,866
Thye Ming Industrial Company, Ltd.	31,000	31,995
Ton Yi Industrial Corp.	119,000	37,096
Tong Yang Industry Company, Ltd.	40,627	50,607
Tong-Tai Machine & Tool Company, Ltd.	46,588	20,900
TOPBI International Holdings, Ltd.	7,000	12,517
Topoint Technology Company, Ltd.	29,190	22,444
TPK Holding Company, Ltd. (A)	41,000	64,957
Tsann Kuen Enterprise Company, Ltd.	7,000	4,566
TSRC Corp.	28,000	16,346
Tung Ho Steel Enterprise Corp.	120,000	91,500
TXC Corp.	51,000	110,765
TYC Brother Industrial Company, Ltd.	15,511	12,815
Tycoons Group Enterprise (A)	30,371	4,229
Tyntek Corp.	36,000	16,678
U-Ming Marine Transport Corp.	67,000	71,501
Unimicron Technology Corp.	152,000	260,521
Union Bank of Taiwan (A)	229,927	87,170
Unitech Printed Circuit Board Corp. (B)	102,194	89,832
United Microelectronics Corp.	1,814,794	981,152
United Renewable Energy Company, Ltd. (A)	258,417	57,726
Universal Cement Corp.	27,483	16,818
Unizyx Holding Corp. (A)	34,000	21,592
UPC Technology Corp.	117,751	40,098
USI Corp.	162,996	68,189
Wah Lee Industrial Corp.	26,000	50,048
Walsin Lihwa Corp. (B)	268,000	132,956
Walton Advanced Engineering, Inc.	72,584	24,318

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Wan Hai Lines, Ltd.	112,050	\$ 62,767
Weikeng Industrial Company, Ltd.	25,000	13,068
Well Shin Technology Company, Ltd.	15,000	23,530
Winbond Electronics Corp.	476,793	217,539
Wintek Corp. (A)(D)	543,000	0
Wisdom Marine Lines Company, Ltd. (A)	45,274	38,226
Wistron Corp.	393,291	480,122
Wistron NeWeb Corp.	13,000	28,529
WPG Holdings, Ltd.	203,400	271,390
WT Microelectronics Company, Ltd.	50,174	67,487
Xxentria Technology Materials Corp.	8,000	14,840
YC INOX Company, Ltd.	59,800	50,635
Yea Shin International Development Company, Ltd. (A)	20,906	10,546
Yem Chio Company, Ltd.	122,324	46,972
Yeong Guan Energy Technology Group Company, Ltd. (A)	13,000	26,765
YFY, Inc.	189,202	88,968
Yi Jinn Industrial Company, Ltd.	51,613	22,611
Yieh Phui Enterprise Company, Ltd.	160,899	47,178
Youngtek Electronics Corp.	27,000	60,311
Yuanta Financial Holding Company, Ltd.	1,238,319	736,958
Yuen Chang Stainless Steel Company, Ltd.	19,007	10,024
Yulon Motor Company, Ltd.	125,000	92,025
Zenitron Corp.	45,000	29,892
Zhen Ding Technology Holding, Ltd.	44,000	193,093
Zig Sheng Industrial Company, Ltd.	67,908	16,392
		33,869,785
Thailand - 2.6%		
AAPICO Hitech PCL	144,720	40,145
AJ Plast PCL	43,100	18,579
Amata Corp. PCL	106,800	53,758
AP Thailand PCL	223,670	42,956
Asia Aviation PCL, NVDR (A)	109,300	7,144
Bangchak Corp. PCL	91,600	62,891
Bangkok Airways PCL	116,100	23,670
Bangkok Bank PCL	12,800	44,605
Bangkok Bank PCL, NVDR	14,500	50,579
Bangkok Insurance PCL	4,550	41,142
Bangkok Land PCL	1,059,200	35,123
Bangkok Life Assurance PCL, NVDR	55,200	27,870
Bangkok Ranch PCL (A)	92,300	5,904
Banpu PCL	401,300	80,133
Berli Jucker PCL	111,800	143,557
Charoen Pokphand Foods PCL	411,300	424,190
Esso Thailand PCL (A)	84,000	19,284
GFPT PCL	43,900	18,607
Global Green Chemicals PCL	67,700	19,776
Hana Microelectronics PCL	54,900	49,738
Indorama Ventures PCL	128,800	116,603
IRPC PCL	943,100	80,743
Italian-Thai Development PCL (A)	477,400	17,792
Kasikornbank PCL, NVDR	134,700	408,654
Khon Kaen Sugar Industry PCL	192,600	12,554
Kiatnakin Bank PCL	19,400	25,230
Krung Thai Bank PCL	265,400	88,713
LH Financial Group PCL	709,300	23,482
LPN Development PCL	52,900	7,703
MBK PCL	45,000	20,336
Millcon Steel PCL	143,086	3,375
Polyplex Thailand PCL	81,900	44,131
Precious Shipping PCL (A)	39,300	7,001
Pruksa Holding PCL	78,800	29,466
PTT Exploration & Production PCL	166,800	501,431
PTT Global Chemical PCL	156,400	236,241

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thailand (continued)		
PTT PCL	938,700	\$ 1,158,728
Quality Houses PCL	746,900	54,385
Regional Container Lines PCL (A)	94,200	9,731
Rojana Industrial Park PCL	113,100	16,208
Saha-Union PCL	16,100	18,618
Sansiri PCL	1,026,866	25,441
SC Asset Corp. PCL	476,596	33,785
Siam Future Development PCL	167,749	24,848
Somboon Advance Technology PCL	51,300	17,850
SPCG PCL	18,000	9,543
Sri Trang Agro-Industry PCL (A)	94,300	83,786
Srithai Superware PCL (A)	283,000	6,613
Star Petroleum Refining PCL	153,100	33,400
STP & I PCL	21,600	3,085
Supalai PCL	151,900	82,800
Super Energy Corp. PCL	743,000	22,746
Syntec Construction PCL	156,500	7,686
Thai Airways International PCL (A)	61,300	7,658
Thai Oil PCL	85,600	124,230
Thai Stanley Electric PCL	700	3,864
Thanachart Capital PCL	37,300	43,185
The Siam Commercial Bank PCL	74,400	175,356
Thitikorn PCL	100	24
TMB Bank PCL	1,334,352	45,626
TPI Polene PCL	559,900	21,614
TPI Polene Power PCL	283,200	37,002
True Corp. PCL	1,139,000	126,075
Univentures PCL	51,700	5,154
Vinythai PCL	9,700	6,988
		5,039,135
Turkey - 0.7%		
Akbank T.A.S. (A)	287,261	255,434
Eczacibasi Yatirim Holding Ortakligi AS	1	1
Enka Insaat ve Sanayi AS	70,950	63,916
Goldas Kuyumculuk Sanayi Ithalat Ve Bagli Ortakliklari (A)(D)	54,846	756
Kardemir Karabuk Demir Celik Sanayi ve Ticaret AS, Class A	23,866	14,570
Kardemir Karabuk Demir Celik Sanayi ve Ticaret AS, Class D	77,523	36,750
NET Holding AS (A)	40,130	14,504
Trakya Cam Sanayii AS	83,945	44,068
Turk Hava Yollari AO (A)	80,925	147,304
Turkiye Garanti Bankasi AS (A)	227,810	280,891
Turkiye Halk Bankasi AS (A)	56,201	52,426
Turkiye Is Bankasi AS, Class C (A)	131,554	107,448
Turkiye Sinai Kalkinma Bankasi AS (A)	256,576	48,315
Turkiye Sise ve Cam Fabrikalari AS	78,379	63,583
Turkiye Vakiflar Bankasi TAO, Class D (A)	91,535	71,257
Uzel Makina Sanayii AS (A)(D)	22,930	0
Yapi ve Kredi Bankasi AS (A)	254,969	90,985
		1,292,208
Ukraine - 0.0%		
Kernel Holding SA	8,714	92,263
United States - 0.0%		
Fang Holdings, Ltd., ADR (A)	10	113
Nexteer Automotive Group, Ltd.	64,000	44,351
Textainer Group Holdings, Ltd. (A)	6,392	51,757
		96,221
TOTAL COMMON STOCKS (Cost \$226,366,282)		\$ 183,477,953

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES - 1.8%		
Brazil - 1.7%		
Banco ABC Brasil SA	9,474	\$ 24,530
Banco Bradesco SA	129,972	494,735
Banco do Estado do Rio Grande do Sul SA, B Shares	30,800	76,744
Cia Ferro Ligas da Bahia	5,956	20,919
Eucatex SA Industria e Comercio	4,200	5,012
Gerdau SA	120,676	355,275
Marcopolo SA	55,200	29,741
Petroleo Brasileiro SA	559,447	2,216,966
Usinas Siderurgicas de Minas Gerais SA, A Shares	40,910	54,691
		3,278,613
Colombia - 0.1%		
Grupo Argos SA	23,975	48,805
Grupo de Inversiones Suramericana SA	11,343	47,690
		96,495
TOTAL PREFERRED SECURITIES (Cost \$4,768,194)		\$ 3,375,108
RIGHTS - 0.0%		
Arvind Fashions, Ltd. (Expiration Date: 7-20-20; Strike Price: INR 100.00) (A)	4,243	3,512
Korean Air Lines Company, Ltd. (Expiration Date: 7-13-20; Strike Price: KRW 14,200.00) (A)	4,198	6,020
TOTAL RIGHTS (Cost \$34,916)		\$ 9,532
SHORT-TERM INVESTMENTS - 1.7%		
Short-term funds - 1.7%		
John Hancock Collateral Trust, 0.2429% (E)(F)	318,466	3,188,259
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,188,380)		\$ 3,188,259
Total Investments (Emerging Markets Value Trust) (Cost \$234,357,772) - 99.9%		\$ 190,050,852
Other assets and liabilities, net - 0.1%		203,882
TOTAL NET ASSETS - 100.0%		\$ 190,254,734

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI Emerging Markets Index Futures	27	Long	Sep 2020	\$1,320,924	\$1,328,940	\$8,016
						\$8,016

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

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

Equity Income Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 95.0%		
Communication services – 5.3%		
Diversified telecommunication services – 0.9%		
AT&T, Inc.	78,464	\$ 2,371,967
Verizon Communications, Inc.	171,811	9,471,940
		11,843,907
Entertainment – 0.7%		
The Walt Disney Company	87,708	9,780,319

Emerging Markets Value Trust (continued)

Currency Abbreviations

INR Indian Rupee

KRW Korean Won

Security Abbreviations and Legend

ADR American Depositary Receipt

GDR Global Depositary Receipt

NVDR Non-Voting Depositary Receipt

(A) Non-income producing security.

(B) All or a portion of this security is on loan as of 6-30-20.

(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 6-30-20.

(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.

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media – 3.7%		
Comcast Corp., Class A	525,888	\$ 20,499,114
Fox Corp., Class B	534,132	14,336,103
News Corp., Class A	1,081,757	12,829,638
		47,664,855
		69,289,081
Consumer discretionary – 2.8%		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobiles – 0.6%		
General Motors Company	97,500	\$ 2,466,750
Volkswagen AG, ADR (A)	351,939	5,363,550
		7,830,300
Hotels, restaurants and leisure – 1.3%		
Las Vegas Sands Corp.	262,360	11,947,874
McDonald's Corp.	15,300	2,822,391
MGM Resorts International (B)	85,246	1,432,133
Royal Caribbean Cruises, Ltd.	21,300	1,071,390
		17,273,788
Leisure products – 0.5%		
Mattel, Inc. (A)(B)	644,873	6,235,922
Multiline retail – 0.4%		
Kohl's Corp.	250,511	5,203,113
		36,543,123
Consumer staples – 8.1%		
Food and staples retailing – 0.6%		
Walmart, Inc.	66,171	7,925,962
Food products – 3.8%		
Bunge, Ltd.	85,754	3,527,062
Conagra Brands, Inc.	603,830	21,236,701
Mondelez International, Inc., Class A	28,900	1,477,657
Tyson Foods, Inc., Class A	390,888	23,339,922
		49,581,342
Household products – 1.7%		
Kimberly-Clark Corp.	162,093	22,911,846
Tobacco – 2.0%		
Altria Group, Inc.	41,000	1,609,250
Philip Morris International, Inc.	347,651	24,356,429
		25,965,679
		106,384,829
Energy – 8.3%		
Energy equipment and services – 0.5%		
Halliburton Company (B)	569,800	7,396,004
Oil, gas and consumable fuels – 7.8%		
Chevron Corp.	42,345	3,778,444
Enbridge, Inc.	389,860	11,859,541
EOG Resources, Inc.	78,000	3,951,480
Exxon Mobil Corp.	289,180	12,932,130
Hess Corp.	42,634	2,208,868
Occidental Petroleum Corp.	268,205	4,908,152
Pioneer Natural Resources Company	42,053	4,108,578
Targa Resources Corp.	425,064	8,531,034
TC Energy Corp. (B)	461,032	19,759,832
TOTAL SA (B)	695,897	26,832,681
TOTAL SA, ADR	69,200	2,661,432
		101,532,172
		108,928,176
Financials – 19.3%		
Banks – 6.3%		
Bank of America Corp.	120,945	2,872,444
Fifth Third Bancorp	968,061	18,664,216
JPMorgan Chase & Co.	185,392	17,437,972
The PNC Financial Services Group, Inc.	77,991	8,205,433
Wells Fargo & Company	1,369,190	35,051,264
		82,231,329
Capital markets – 4.7%		
Franklin Resources, Inc. (B)	246,305	5,165,016
Morgan Stanley	582,831	28,150,737
Northern Trust Corp.	23,111	1,833,627
Raymond James Financial, Inc.	107,889	7,426,000

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
State Street Corp.	286,552	\$ 18,210,380
		60,785,760
Diversified financial services – 0.7%		
Equitable Holdings, Inc.	460,121	8,875,734
Insurance – 7.6%		
American International Group, Inc.	761,971	23,758,256
Chubb, Ltd.	230,775	29,220,731
Loews Corp.	458,708	15,729,097
Marsh & McLennan Companies, Inc.	36,807	3,951,968
MetLife, Inc.	633,055	23,119,169
Willis Towers Watson PLC	19,275	3,796,211
		99,575,432
		251,468,255
Health care – 14.2%		
Biotechnology – 3.1%		
AbbVie, Inc.	263,647	25,884,862
Gilead Sciences, Inc.	185,805	14,295,837
		40,180,699
Health care equipment and supplies – 3.2%		
Becton, Dickinson and Company	70,111	16,775,459
Medtronic PLC	205,655	18,858,564
Zimmer Biomet Holdings, Inc.	52,903	6,314,502
		41,948,525
Health care providers and services – 3.3%		
Anthem, Inc.	77,826	20,466,681
CVS Health Corp.	355,446	23,093,327
		43,560,008
Pharmaceuticals – 4.6%		
Bristol-Myers Squibb Company	45,611	2,681,927
GlaxoSmithKline PLC	277,883	5,613,149
GlaxoSmithKline PLC, ADR (B)	74,100	3,022,539
Johnson & Johnson	166,075	23,355,127
Merck & Company, Inc.	66,100	5,111,513
Pfizer, Inc.	598,611	19,574,580
		59,358,835
		185,048,067
Industrials – 11.0%		
Aerospace and defense – 2.8%		
L3Harris Technologies, Inc.	101,653	17,247,465
The Boeing Company	107,486	19,702,184
		36,949,649
Air freight and logistics – 2.0%		
United Parcel Service, Inc., Class B	238,870	26,557,567
Airlines – 0.3%		
Alaska Air Group, Inc.	100,424	3,641,374
Building products – 0.5%		
Johnson Controls International PLC (B)	192,141	6,559,694
Commercial services and supplies – 0.8%		
Stericycle, Inc. (A)	181,127	10,139,489
Electrical equipment – 0.8%		
Emerson Electric Company	136,521	8,468,398
nVent Electric PLC	91,653	1,716,661
		10,185,059
Industrial conglomerates – 1.9%		
General Electric Company	3,698,507	25,260,803
Machinery – 1.2%		
Flowerserve Corp.	35,887	1,023,497
PACCAR, Inc.	89,435	6,694,210

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Snap-on, Inc.	52,654	\$ 7,293,106
		15,010,813
Professional services – 0.7%		
Nielsen Holdings PLC (B)	606,605	9,014,150
		143,318,598
Information technology – 9.0%		
Communications equipment – 1.6%		
Cisco Systems, Inc.	433,876	20,235,977
Electronic equipment, instruments and components – 0.4%		
Corning, Inc. (B)	98,200	2,543,380
TE Connectivity, Ltd.	29,400	2,397,570
		4,940,950
Semiconductors and semiconductor equipment – 5.4%		
Applied Materials, Inc.	230,691	13,945,271
NXP Semiconductors NV	31,242	3,562,838
QUALCOMM, Inc.	424,569	38,724,935
Texas Instruments, Inc.	114,861	14,583,901
		70,816,945
Software – 1.5%		
Microsoft Corp.	97,653	19,873,362
Technology hardware, storage and peripherals – 0.1%		
Western Digital Corp.	32,635	1,440,835
		117,308,069
Materials – 5.2%		
Chemicals – 3.8%		
Akzo Nobel NV	29,361	2,637,809
CF Industries Holdings, Inc.	589,878	16,599,167
DuPont de Nemours, Inc.	523,217	27,798,519
PPG Industries, Inc.	24,107	2,556,788
		49,592,283
Containers and packaging – 1.4%		
International Paper Company (B)	509,297	17,932,347
		67,524,630
Real estate – 4.1%		
Equity real estate investment trusts – 4.1%		
Equity Residential	264,034	15,530,480
Rayonier, Inc.	406,869	10,086,283
SL Green Realty Corp.	175,157	8,633,489
Weyerhaeuser Company	854,296	19,187,488
		53,437,740
Utilities – 7.7%		
Electric utilities – 4.5%		
Edison International	260,332	14,138,631
NextEra Energy, Inc.	43,562	10,462,286
The Southern Company	662,819	34,367,165
		58,968,082
Multi-utilities – 3.2%		
Ameren Corp. (B)	47,600	3,349,136
CenterPoint Energy, Inc.	252,003	4,704,896
NiSource, Inc.	1,071,857	24,374,028
Sempra Energy	77,067	9,034,564
		41,462,624
		100,430,706
TOTAL COMMON STOCKS (Cost \$1,235,839,020)		\$ 1,239,681,274

Equity Income Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES – 2.0%		
Energy – 0.7%		
Oil, gas and consumable fuels – 0.7%		
Sempra Energy, 6.000%	77,626	\$ 7,586,389
Sempra Energy, 6.750%	24,765	2,433,409
		10,019,798
Health care – 0.5%		
Health care equipment and supplies – 0.5%		
Becton, Dickinson and Company, 6.000%	118,222	6,289,410
Utilities – 0.8%		
Electric utilities – 0.8%		
NextEra Energy, Inc., 5.279%	102,055	4,332,235
The Southern Company, 6.750%	134,102	5,908,534
		10,240,769
TOTAL PREFERRED SECURITIES (Cost \$27,957,794)		\$ 26,549,977
CONVERTIBLE BONDS – 0.2%		
Financials – 0.2%		
AXA SA		
7.250%, 05/15/2021 (C)	\$ 3,124,000	2,852,603
TOTAL CONVERTIBLE BONDS (Cost \$3,124,000)		\$ 2,852,603
SHORT-TERM INVESTMENTS – 5.8%		
Short-term funds – 5.8%		
John Hancock Collateral Trust, 0.2429% (D)(E)	3,778,597	37,828,666
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (D)	3,000,000	3,000,000
T. Rowe Price Government Reserve Fund, 0.2119% (D)	34,492,241	34,492,241
TOTAL SHORT-TERM INVESTMENTS (Cost \$75,321,432)		\$ 75,320,907
Total Investments (Equity Income Trust) (Cost \$1,342,242,246) – 103.0%		\$ 1,344,404,761
Other assets and liabilities, net – (3.0%)		(38,719,344)
TOTAL NET ASSETS – 100.0%		\$ 1,305,685,417

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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 — June 30, 2020 (unaudited) (showing percentage of total net assets)

Equity Income Trust (continued)

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P 500 Index E-Mini Futures	68	Long	Sep 2020	\$10,267,215	\$10,486,450	\$219,235
						\$219,235

[^] 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.

Financial Industries Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.0%		
Financials – 75.4%		
Banks – 33.8%		
1st Source Corp.	18,784	\$ 668,335
American Business Bank (A)	22,397	561,045
American River Bankshares	12,896	137,987
Ameris Bancorp (B)	31,781	749,714
Atlantic Union Bankshares Corp.	40,474	937,378
Bank of America Corp.	150,902	3,583,923
Bank of Marin Bancorp	20,034	667,733
Baycom Corp. (A)	24,336	314,178
Business First Bancshares, Inc.	11,516	176,771
California Bancorp, Inc. (A)	15,177	226,137
Cambridge Bancorp	10,255	607,506
Citigroup, Inc.	76,108	3,889,119
Citizens Financial Group, Inc.	71,819	1,812,712
Close Brothers Group PLC	88,767	1,215,271
Coastal Financial Corp. (A)	25,954	376,852
Danske Bank A/S (A)	156,517	2,092,389
Evans Bancorp, Inc.	14,397	334,874
First Merchants Corp.	36,350	1,002,170
German American Bancorp, Inc.	13,939	433,503
Glacier Bancorp, Inc.	19,581	691,013
HBT Financial, Inc.	28,559	380,691
Heritage Commerce Corp.	42,181	316,568
Heritage Financial Corp.	18,638	372,760
JPMorgan Chase & Co.	38,621	3,632,691
KeyCorp	110,682	1,348,107
Level One Bancorp, Inc.	15,125	253,193
Live Oak Bancshares, Inc.	26,039	377,826
M&T Bank Corp.	9,579	995,929
Metrocity Bankshares, Inc.	13,282	190,331
Nicolet Bankshares, Inc. (A)	12,003	657,764
Pacific Premier Bancorp, Inc.	25,572	554,401
PacWest Bancorp	38,183	752,587
Pinnacle Financial Partners, Inc.	26,305	1,104,547
Red River Bancshares, Inc.	1,279	56,135
Southern First Bancshares, Inc. (A)	10,596	293,615
Stock Yards Bancorp, Inc.	27,736	1,114,987
SVB Financial Group (A)	9,857	2,124,479
TCF Financial Corp.	20,105	591,489
The First Bancshares, Inc.	16,784	377,640
TriCo Bancshares	36,758	1,119,281
U.S. Bancorp	7,695	283,330
Western Alliance Bancorp	40,569	1,536,348
Zions Bancorp NA	43,703	1,485,902
		40,399,211
Capital markets – 15.2%		
3i Group PLC	236,725	2,437,556
Ares Management Corp., Class A (B)	75,656	3,003,543
BlackRock, Inc.	1,943	1,057,167

Financial Industries Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Brookfield Asset Management, Inc., Class A (B)	47,562	\$ 1,564,790
Cboe Global Markets, Inc.	23,455	2,187,882
KKR & Company, Inc. (B)	88,038	2,718,613
The Blackstone Group, Inc., Class A	48,443	2,744,780
Tradeweb Markets, Inc., Class A	40,820	2,373,275
		18,087,606
Consumer finance – 2.0%		
American Express Company	12,387	1,179,242
Discover Financial Services	23,592	1,181,723
		2,360,965
Diversified financial services – 5.3%		
Berkshire Hathaway, Inc., Class B (A)	5,759	1,028,039
Equitable Holdings, Inc.	51,807	999,357
Eurazeo SE (A)	6,928	356,001
Onex Corp.	33,111	1,495,800
Voya Financial, Inc.	53,619	2,501,326
		6,380,523
Insurance – 18.4%		
Aon PLC, Class A	12,529	2,413,085
Arch Capital Group, Ltd. (A)	28,621	819,992
Arthur J. Gallagher & Company Assured Guaranty, Ltd.	31,462	3,067,230
Kinsale Capital Group, Inc.	29,004	707,988
Palomar Holdings, Inc. (A)	25,538	3,963,753
Palomar Holdings, Inc. (A)	43,769	3,753,629
RenaissanceRe Holdings, Ltd.	8,608	1,472,226
Selectquote, Inc. (A)	16,276	412,271
The Hanover Insurance Group, Inc.	19,828	2,009,171
The Hartford Financial Services Group, Inc.	19,828	2,009,171
Willis Towers Watson PLC	50,854	1,960,422
	6,975	1,373,726
		21,953,493
Thriffs and mortgage finance – 0.7%		
OP Bancorp	33,503	231,171
Premier Financial Corp.	34,580	611,029
		842,200
		90,023,998
Industrials – 0.3%		
Professional services – 0.3%		
Verisk Analytics, Inc.	2,539	432,138
Information technology – 12.2%		
IT services – 12.2%		
Adyen NV (A)(C)	2,769	4,034,425
EVERTEC, Inc.	32,902	924,546
Fidelity National Information Services, Inc.	9,971	1,337,011
Fiserv, Inc. (A)	14,178	1,384,056
Global Payments, Inc.	6,491	1,101,003
Visa, Inc., Class A	25,077	4,844,129

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Financial Industries Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
WEX, Inc. (A)	5,515	\$ 910,030
		14,535,200
Real estate – 8.1%		
Equity real estate investment trusts – 7.3%		
Lexington Realty Trust	106,449	1,123,037
Monmouth Real Estate Investment Corp.	54,403	788,299
Nippon Prologis REIT, Inc.	423	1,285,342
Plymouth Industrial REIT, Inc.	36,794	470,963
Prologis, Inc.	38,743	3,615,884
Rexford Industrial Realty, Inc.	35,896	1,487,171
		8,770,696
Real estate management and development – 0.8%		
VGP NV	7,259	928,730
		9,699,426
TOTAL COMMON STOCKS (Cost \$110,873,307)		\$ 114,690,762
CONVERTIBLE BONDS - 0.6%		
Financials - 0.6%		
AXA SA		
7.250%, 05/15/2021 (C)	\$ 812,000	741,458
TOTAL CONVERTIBLE BONDS (Cost \$812,000)		\$ 741,458
SHORT-TERM INVESTMENTS – 6.4%		
Short-term funds – 3.0%		
John Hancock Collateral Trust,		
0.2429% (D)(E)	362,230	3,626,395

Financial Industries Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 3.4%		
Repurchase Agreement with State Street		
Corp. dated 6-30-20 at 0.000% to be		
repurchased at \$4,002,000 on 7-1-20,		
collateralized by \$4,072,600		
U.S. Treasury Notes, 0.250% due		
6-15-23 (valued at \$4,082,087)	\$ 4,002,000	\$ 4,002,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$7,628,393)		\$ 7,628,395
Total Investments (Financial Industries Trust)		\$ 123,060,615
(Cost \$119,313,700) – 103.0%		(3,627,281)
Other assets and liabilities, net – (3.0%)		\$ 119,433,334
TOTAL NET ASSETS – 100.0%		\$ 119,433,334

Security Abbreviations and Legend

- (A) Non-income producing security.
- (B) All or a portion of this security is on loan as of 6-30-20.
- (C) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
- (D) The rate shown is the annualized seven-day yield as of 6-30-20.
- (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.

DERIVATIVES

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
CAD 230,000	USD 169,595	TD	9/16/2020	—	\$(153)
DKK 1,330,000	USD 202,003	SSB	9/16/2020	—	(1,145)
EUR 520,000	USD 593,085	JPM	9/16/2020	—	(7,889)
GBP 160,000	USD 200,393	MSCS	9/16/2020	—	(2,049)
GBP 160,000	USD 204,661	TD	9/16/2020	—	(6,317)
USD 1,612,105	CAD 2,170,000	JPM	9/16/2020	\$13,451	—
USD 36,552	CAD 50,000	RBC	9/16/2020	—	(283)
USD 159,112	DKK 1,050,000	MSCS	9/16/2020	539	—
USD 2,161,503	DKK 14,220,000	SSB	9/16/2020	13,979	—
USD 381,766	EUR 340,000	JPM	9/16/2020	—	(863)
USD 5,566,527	EUR 4,890,000	TD	9/16/2020	63,424	—
USD 3,752,489	GBP 2,960,000	CITI	9/16/2020	83,130	—
USD 487,924	GBP 390,000	JPM	9/16/2020	4,461	—
USD 1,144,875	JPY 123,180,000	SSB	9/16/2020	2,904	—
USD 62,774	JPY 6,730,000	TD	9/16/2020	382	—
				\$182,270	\$(18,699)

Derivatives Currency Abbreviations

CAD	Canadian Dollar
DKK	Danish Krone
EUR	Euro
GBP	Pound Sterling
JPY	Japanese Yen
USD	U.S. Dollar

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Financial Industries Trust (continued)

Derivatives Abbreviations

CITI	Citibank, N.A.
JPM	JPMorgan Chase Bank, N.A.
MSCS	Morgan Stanley Capital Services LLC
OTC	Over-the-counter
RBC	Royal Bank of Canada
SSB	State Street Bank and Trust Company
TD	The Toronto-Dominion Bank

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

Fundamental All Cap Core Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.3%		
Communication services – 18.2%		
Entertainment – 3.2%		
Liberty Media Corp.-Liberty Formula One, Series C (A)	1,520,440	\$ 48,213,152
Madison Square Garden Entertainment Corp. (A)	116,721	8,754,075
		<u>56,967,227</u>
Interactive media and services – 15.0%		
Alphabet, Inc., Class A (A)	63,263	89,710,097
CarGurus, Inc. (A)	1,708,825	43,318,714
Facebook, Inc., Class A (A)	507,755	115,295,928
Twitter, Inc. (A)	702,925	20,940,136
		<u>269,264,875</u>
		326,232,102
Consumer discretionary – 20.4%		
Household durables – 7.0%		
Lennar Corp., A Shares	1,134,306	69,895,936
NVR, Inc. (A)	4,893	15,945,064
Tempur Sealy International, Inc. (A)	548,905	39,493,715
		<u>125,334,715</u>
Internet and direct marketing retail – 8.3%		
Amazon.com, Inc. (A)	53,880	148,645,222
Leisure products – 2.0%		
Polaris, Inc.	386,560	35,776,124
Multiline retail – 1.0%		
Dollar Tree, Inc. (A)	198,978	18,441,281
Specialty retail – 1.1%		
Group 1 Automotive, Inc.	300,797	19,843,578
Textiles, apparel and luxury goods – 1.0%		
Salvatore Ferragamo SpA (A)	1,245,263	16,886,381
		<u>364,927,301</u>
Consumer staples – 5.4%		
Beverages – 3.5%		
Anheuser-Busch InBev SA/NV, ADR	586,217	28,900,498
Diageo PLC, ADR	124,295	16,704,005
Heineken NV	184,860	17,045,523
		<u>62,650,026</u>
Food and staples retailing – 0.4%		
US Foods Holding Corp. (A)	386,171	7,615,292
Food products – 1.5%		
The Hain Celestial Group, Inc. (A)	838,474	26,420,316
		<u>96,685,634</u>
Energy – 3.6%		
Energy equipment and services – 0.9%		
Baker Hughes Company	1,059,913	16,312,061
Oil, gas and consumable fuels – 2.7%		
Cheniere Energy, Inc. (A)	837,418	40,464,038

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Suncor Energy, Inc.	498,764	\$ 8,409,161
		<u>48,873,199</u>
		65,185,260
Financials – 16.8%		
Banks – 8.4%		
Bank of America Corp.	2,194,682	52,123,698
Citigroup, Inc.	1,104,279	56,428,657
First Hawaiian, Inc.	2,469,780	42,579,007
		<u>151,131,362</u>
Capital markets – 6.5%		
KKR & Company, Inc.	799,783	24,697,299
Morgan Stanley	1,232,915	59,549,795
The Goldman Sachs Group, Inc.	158,583	31,339,172
		<u>115,586,266</u>
Consumer finance – 1.9%		
American Express Company	258,398	24,599,490
Synchrony Financial	435,086	9,641,506
		<u>34,240,996</u>
		300,958,624
Health care – 5.1%		
Biotechnology – 2.4%		
Alynham Pharmaceuticals, Inc. (A)	118,532	17,555,775
Moderna, Inc. (A)	396,145	25,436,470
		<u>42,992,245</u>
Health care equipment and supplies – 1.4%		
Hologic, Inc. (A)	456,826	26,039,082
Health care providers and services – 0.8%		
Anthem, Inc.	52,779	13,879,821
Health care technology – 0.5%		
Change Healthcare, Inc. (A)	736,903	8,253,314
		<u>91,164,462</u>
Industrials – 7.8%		
Electrical equipment – 1.6%		
Regal Beloit Corp.	174,580	15,244,326
Sensata Technologies Holding PLC (A)	339,140	12,626,182
		<u>27,870,508</u>
Industrial conglomerates – 1.5%		
Roper Technologies, Inc.	70,000	27,178,200
Machinery – 1.3%		
Parker-Hannifin Corp.	122,250	22,404,758
Professional services – 2.3%		
IHS Markit, Ltd.	540,522	40,809,411
Trading companies and distributors – 1.1%		
United Rentals, Inc. (A)	136,955	20,411,773
		<u>138,674,650</u>
Information technology – 15.1%		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment – 2.5%		
Analog Devices, Inc.	95,520	\$ 11,714,573
NVIDIA Corp.	88,278	33,537,695
		45,252,268
Software – 6.6%		
Microsoft Corp.	170,878	34,775,382
salesforce.com, Inc. (A)	222,572	41,694,413
Workday, Inc., Class A (A)	224,681	42,096,232
		118,566,027
Technology hardware, storage and peripherals – 6.0%		
Apple, Inc.	239,248	87,277,670
Samsung Electronics Company, Ltd.	426,540	18,881,916
		106,159,586
		269,977,881
Real estate – 4.9%		
Equity real estate investment trusts – 4.4%		
American Tower Corp.	220,575	57,027,461
Crown Castle International Corp.	132,931	22,246,003
		79,273,464
Real estate management and development – 0.5%		
Five Point Holdings LLC, Class A (A)	1,913,023	8,799,906
		88,073,370
TOTAL COMMON STOCKS (Cost \$1,292,368,770)		\$ 1,741,879,284
SHORT-TERM INVESTMENTS – 2.8%		
U.S. Government Agency – 0.7%		
Federal Agricultural Mortgage Corp.		
Discount Note		
0.010%, 07/01/2020 *	\$ 4,950,000	4,950,000
Federal Home Loan Bank Discount Note		
0.040%, 07/09/2020 *	7,168,000	7,167,809
		12,117,809
Repurchase agreement – 2.1%		
Barclays Tri-Party Repurchase Agreement		
dated 6-30-20 at 0.060% to be		
repurchased at \$20,390,034 on 7-1-20,		
collateralized by \$19,298,500		
U.S. Treasury Notes, 1.625% due		
10-31-26 (valued at \$20,797,870)	20,390,000	20,390,000
Repurchase Agreement with State Street		
Corp. dated 6-30-20 at 0.000% to be		
repurchased at \$17,872,000 on 7-1-20,		
collateralized by \$18,187,100		
U.S. Treasury Notes, 0.250% due		
6-15-23 (valued at \$18,229,466)	17,872,000	17,872,000
		38,262,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$50,379,936)		\$ 50,379,809
Total Investments (Fundamental All Cap Core Trust)		\$ 1,792,259,093
(Cost \$1,342,748,706) – 100.1%		(997,744)
Other assets and liabilities, net – (0.1%)		\$ 1,791,261,349

Security Abbreviations and Legend

ADR American Depositary Receipt

(A) Non-income producing security.

* Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

Fundamental Large Cap Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.0%		
Communication services – 9.3%		
Entertainment – 2.1%		
Liberty Media Corp.-Liberty Formula One,		
Series C (A)	268,767	\$ 8,522,602
The Walt Disney Company	29,458	3,284,862
		11,807,464
Interactive media and services – 1.8%		
Alphabet, Inc., Class A (A)	7,207	10,219,886
Media – 5.4%		
Comcast Corp., Class A	518,912	20,227,190
Fox Corp., Class A	82,058	2,200,796
Fox Corp., Class B	323,338	8,678,392
		31,106,378
		53,133,728
Consumer discretionary – 10.0%		
Hotels, restaurants and leisure – 1.4%		
Marriott International, Inc., Class A	29,879	2,561,527
Sodexo SA	82,436	5,589,811
		8,151,338
Household durables – 2.9%		
Lennar Corp., A Shares	265,795	16,378,288
Internet and direct marketing retail – 3.4%		
eBay, Inc.	371,498	19,485,070
Multiline retail – 1.3%		
Dollar Tree, Inc. (A)	80,967	7,504,022
Specialty retail – 1.0%		
Group 1 Automotive, Inc.	86,177	5,685,097
		57,203,815
Consumer staples – 10.5%		
Beverages – 5.5%		
Anheuser-Busch InBev SA/NV, ADR	216,761	10,686,317
Heineken Holding NV	161,875	13,239,806
PepsiCo, Inc.	58,649	7,756,917
		31,683,040
Food and staples retailing – 1.5%		
Walmart, Inc.	69,666	8,344,593
Food products – 3.5%		
Danone SA	139,519	9,684,449
Post Holdings, Inc. (A)	117,355	10,282,645
		19,967,094
		59,994,727
Energy – 8.0%		
Energy equipment and services – 1.3%		
Baker Hughes Company	352,797	5,429,546
ChampionX Corp. (A)	222,210	2,168,770
		7,598,316
Oil, gas and consumable fuels – 6.7%		
Cheniere Energy, Inc. (A)	245,914	11,882,564
Chevron Corp.	147,906	13,197,652
Kinder Morgan, Inc.	441,084	6,691,244
Suncor Energy, Inc.	383,598	6,467,462
		38,238,922
		45,837,238
Financials – 23.7%		
Banks – 10.1%		
Bank of America Corp.	719,255	17,082,306
Citigroup, Inc.	390,665	19,962,982
JPMorgan Chase & Co.	166,908	15,699,366
Wells Fargo & Company	202,767	5,190,835
		57,935,489

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets – 7.2%		
KKR & Company, Inc.	309,381	\$ 9,553,685
Morgan Stanley	233,171	11,262,159
Nasdaq, Inc.	75,262	8,991,551
The Goldman Sachs Group, Inc.	56,964	11,257,226
		41,064,621
Consumer finance – 3.2%		
American Express Company	161,212	15,347,382
Synchrony Financial	134,224	2,974,404
		18,321,786
Diversified financial services – 3.2%		
Berkshire Hathaway, Inc., Class B (A)	100,726	17,980,598
		135,302,494
Health care – 12.7%		
Biotechnology – 2.1%		
Alexion Pharmaceuticals, Inc. (A)	51,292	5,757,014
Gilead Sciences, Inc.	79,905	6,147,891
		11,904,905
Health care equipment and supplies – 5.4%		
Danaher Corp.	122,065	21,584,754
Hologic, Inc. (A)	160,020	9,121,140
		30,705,894
Health care providers and services – 3.2%		
Anthem, Inc.	19,587	5,150,989
UnitedHealth Group, Inc.	44,788	13,210,221
		18,361,210
Pharmaceuticals – 2.0%		
Merck & Company, Inc.	146,880	11,358,230
		72,330,239
Industrials – 10.2%		
Aerospace and defense – 4.1%		
General Dynamics Corp.	67,091	10,027,421
L3Harris Technologies, Inc.	34,205	5,803,562
Raytheon Technologies Corp.	126,317	7,783,654
		23,614,637
Building products – 0.6%		
Carrier Global Corp.	170,348	3,785,133
Machinery – 2.1%		
Parker-Hannifin Corp.	65,617	12,025,628
Road and rail – 1.3%		
Union Pacific Corp.	42,723	7,223,178
Trading companies and distributors – 2.1%		
United Rentals, Inc. (A)	79,563	11,858,070
		58,506,646
Information technology – 11.8%		
IT services – 1.5%		
Cognizant Technology Solutions Corp., Class A	150,480	8,550,274
Software – 6.5%		
Microsoft Corp.	125,011	25,440,989
Oracle Corp.	212,159	11,726,028
		37,167,017
Technology hardware, storage and peripherals – 3.8%		
Apple, Inc.	40,601	14,811,245
Samsung Electronics Company, Ltd.	158,181	7,002,298
		21,813,543
		67,530,834
Real estate – 0.8%		

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts – 0.8%		
American Tower Corp.	17,338	\$ 4,482,567
TOTAL COMMON STOCKS (Cost \$489,700,594)		\$ 554,322,288
SHORT-TERM INVESTMENTS – 1.6%		
U.S. Government Agency – 0.6%		
Federal Home Loan Bank Discount Note 0.040%, 07/09/2020 *	\$ 3,313,000	3,312,912
Repurchase agreement – 1.0%		
Barclays Tri-Party Repurchase Agreement dated 6-30-20 at 0.060% to be repurchased at \$2,702,005 on 7-1-20, collateralized by \$2,557,400 U.S. Treasury Notes, 1.625% due 10-31-26 (valued at \$2,756,094)	2,702,000	2,702,000
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$3,025,000 on 7-1-20, collateralized by \$3,078,400 U.S. Treasury Notes, 0.250% due 6-15-23 (valued at \$3,085,571)	3,025,000	3,025,000
		5,727,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,039,971)		\$ 9,039,912
Total Investments (Fundamental Large Cap Value Trust) (Cost \$498,740,565) – 98.6%		\$ 563,362,200
Other assets and liabilities, net – 1.4%		8,203,153
TOTAL NET ASSETS – 100.0%		\$ 571,565,353

Security Abbreviations and Legend

ADR American Depositary Receipt
 (A) Non-income producing security.
 * Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

Global Equity Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 98.1%		
France - 9.8%		
Capgemini SE	25,444	\$ 2,936,274
Cie Generale des Etablissements Michelin SCA	34,139	3,558,410
Danone SA	61,382	4,260,717
Sanofi	13,161	1,342,219
TOTAL SA	36,084	1,391,342
		13,488,962
Ireland - 3.8%		
Accenture PLC, Class A	8,496	1,824,261
CRH PLC	101,572	3,496,134
		5,320,395
Japan - 2.4%		
FANUC Corp.	8,900	1,595,502
Mitsubishi Estate Company, Ltd.	119,400	1,779,277
		3,374,779
Netherlands - 11.8%		
Akzo Nobel NV	26,129	2,347,445
Heineken NV	47,923	4,418,872
Koninklijke Ahold Delhaize NV	181,937	4,958,521
Koninklijke Philips NV (A)	52,533	2,454,232
Wolters Kluwer NV	27,147	2,121,921
		16,300,991

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Global Equity Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland - 4.6%		
Chubb, Ltd.	14,405	\$ 1,823,961
Novartis AG	51,887	4,520,448
		6,344,409
United Kingdom - 11.1%		
Amcov PLC	341,568	3,449,885
Associated British Foods PLC	68,029	1,608,490
Direct Line Insurance Group PLC	384,008	1,287,600
Ferguson PLC	19,200	1,569,917
Tesco PLC	1,090,576	3,067,423
Unilever NV	80,464	4,290,156
		15,273,471
United States - 54.6%		
Alphabet, Inc., Class A (A)	4,448	6,307,486
Apple, Inc.	24,232	8,839,834
Arthur J. Gallagher & Company	24,670	2,405,078
AutoZone, Inc. (A)	2,496	2,815,788
Cisco Systems, Inc.	37,468	1,747,508
Colgate-Palmolive Company	17,744	1,299,925
Comcast Corp., Class A	89,915	3,504,887
Electronic Arts, Inc. (A)	13,521	1,785,448
Fortune Brands Home & Security, Inc.	28,262	1,806,790
Intel Corp.	23,987	1,435,142
Johnson & Johnson	30,354	4,268,683
Johnson Controls International PLC	51,683	1,764,458
JPMorgan Chase & Co.	17,375	1,634,293
Merck & Company, Inc.	36,688	2,837,083
Microsoft Corp.	39,622	8,063,473
Northrop Grumman Corp.	3,727	1,145,829
Oracle Corp.	72,321	3,997,182
Otis Worldwide Corp.	26,561	1,510,258
Philip Morris International, Inc.	40,055	2,806,253
PPG Industries, Inc.	11,016	1,168,357
Stanley Black & Decker, Inc.	10,122	1,410,804
Starbucks Corp.	17,785	1,308,798
The Home Depot, Inc.	8,620	2,159,396

Global Equity Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
Union Pacific Corp.	8,177	\$ 1,382,485
United Parcel Service, Inc., Class B	13,985	1,554,852
Verizon Communications, Inc.	90,812	5,006,466
Waste Management, Inc.	13,094	1,386,786
		75,353,342
TOTAL COMMON STOCKS (Cost \$123,222,783)		\$ 135,456,349
PREFERRED SECURITIES - 2.0%		
South Korea - 2.0%		
Samsung Electronics Company, Ltd.	70,579	2,749,353
TOTAL PREFERRED SECURITIES (Cost \$2,736,036)		\$ 2,749,353
ESCROW CERTIFICATES - 0.0%		
Texas Competitive Electric Holdings Company LLC 11.500%, 10/01/2020 (A)(B)		
	\$ 7,466,240	11,199
TOTAL ESCROW CERTIFICATES (Cost \$3,316)		\$ 11,199
SHORT-TERM INVESTMENTS - 1.9%		
Short-term funds - 1.9%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (C)		
	2,631,132	2,631,132
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,631,132)		\$ 2,631,132
Total Investments (Global Equity Trust) (Cost \$128,593,267) - 102.0%		\$ 140,848,033
Other assets and liabilities, net - (2.0%)		(2,804,083)
TOTAL NET ASSETS - 100.0%		\$ 138,043,950

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
 (C) The rate shown is the annualized seven-day yield as of 6-30-20.

DERIVATIVES

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD 9,490,242	EUR 8,336,847	TD	9/16/2020	\$108,131	—
				\$108,131	—

Derivatives Currency Abbreviations

EUR	Euro
USD	U.S. Dollar

Derivatives Abbreviations

OTC	Over-the-counter
TD	The Toronto-Dominion Bank

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

Global Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.3%		
France - 9.6%		
Capgemini SE	29,520	\$ 3,406,636

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Global Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Cie Generale des Etablissements Michelin SCA	39,608	\$ 4,128,445
Danone SA	71,215	4,943,237
Sanofi	15,269	1,557,197
TOTAL SA	41,864	1,614,202
		15,649,717
Ireland - 3.8%		
Accenture PLC, Class A	9,827	2,110,053
CRH PLC	117,809	4,054,998
		6,165,051
Japan - 2.4%		
FANUC Corp.	10,371	1,859,209
Mitsubishi Estate Company, Ltd.	138,569	2,064,930
		3,924,139
Netherlands - 11.6%		
Akzo Nobel NV	30,186	2,711,916
Heineken NV	55,368	5,105,338
Koninklijke Ahold Delhaize NV	210,437	5,735,236
Koninklijke Philips NV (A)	60,689	2,835,251
Wolters Kluwer NV	31,361	2,451,295
		18,839,036
Switzerland - 4.5%		
Chubb, Ltd.	16,643	2,107,337
Novartis AG	59,948	5,222,734
		7,330,071
United Kingdom - 10.9%		
Amcort PLC	396,282	4,002,493
Associated British Foods PLC	78,926	1,866,135
Direct Line Insurance Group PLC	445,521	1,493,852
Ferguson PLC	22,276	1,821,426
Tesco PLC	1,264,906	3,557,744
Unilever NV	92,956	4,956,183
		17,697,833
United States - 53.5%		
Alphabet, Inc., Class A (A)	5,161	7,318,557
Apple, Inc.	28,028	10,224,614
Arthur J. Gallagher & Company	28,535	2,781,877
AutoZone, Inc. (A)	2,895	3,265,907
Cisco Systems, Inc.	43,476	2,027,721
Colgate-Palmolive Company	20,592	1,508,570

Global Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
Comcast Corp., Class A	103,875	\$ 4,049,048
Electronic Arts, Inc. (A)	15,616	2,062,093
Fortune Brands Home & Security, Inc.	32,724	2,092,045
Intel Corp.	27,822	1,664,590
Johnson & Johnson	35,067	4,931,472
Johnson Controls International PLC	59,945	2,046,522
JPMorgan Chase & Co.	20,172	1,897,378
Merck & Company, Inc.	42,553	3,290,623
Microsoft Corp.	45,778	9,316,281
Northrop Grumman Corp.	4,310	1,325,066
Oracle Corp.	83,650	4,623,336
Otis Worldwide Corp.	30,842	1,753,676
Philip Morris International, Inc.	46,458	3,254,847
PPG Industries, Inc.	12,726	1,349,720
Stanley Black & Decker, Inc.	11,740	1,636,321
Starbucks Corp.	20,547	1,512,054
The Home Depot, Inc.	9,958	2,494,579
Union Pacific Corp.	9,491	1,604,643
United Parcel Service, Inc., Class B	16,156	1,796,224
Verizon Communications, Inc.	105,328	5,806,733
Waste Management, Inc.	15,127	1,602,101
		87,236,598
TOTAL COMMON STOCKS (Cost \$141,643,335)		\$ 156,842,445
PREFERRED SECURITIES - 2.0%		
South Korea - 2.0%		
Samsung Electronics Company, Ltd.	81,860	3,188,799
TOTAL PREFERRED SECURITIES (Cost \$3,173,329)		\$ 3,188,799
SHORT-TERM INVESTMENTS - 2.2%		
Short-term funds - 2.2%		
Federated Government Obligations Fund, Institutional Class, 0.0700% (B)	3,649,140	3,649,140
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,649,140)		\$ 3,649,140
Total Investments (Global Trust) (Cost \$148,465,804) - 100.5%		\$ 163,680,384
Other assets and liabilities, net - (0.5%)		(782,471)
TOTAL NET ASSETS - 100.0%		\$ 162,897,913
Security Abbreviations and Legend		
(A)	Non-income producing security.	
(B)	The rate shown is the annualized seven-day yield as of 6-30-20.	

DERIVATIVES

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD 10,965,760	EUR 9,633,038	TD	9/16/2020	\$124,457	—
				\$124,457	—

Derivatives Currency Abbreviations

EUR	Euro
USD	U.S. Dollar

Derivatives Abbreviations

OTC	Over-the-counter
TD	The Toronto-Dominion Bank

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

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Health Sciences Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.4%		
Consumer discretionary – 0.1%		
Specialty retail – 0.1%		
JAND, Inc., Class A (A)(B)(C)	14,867	\$ 338,076
Financials – 0.2%		
Diversified financial services – 0.1%		
Arya Sciences Acquisition Corp. II (C)	11,246	130,454
Insurance – 0.1%		
Selectquote, Inc. (C)	13,895	351,960
		482,414
Health care – 97.8%		
Biotechnology – 38.4%		
AbbVie, Inc.	61,225	6,011,071
Abcam PLC	16,112	266,106
ACADIA Pharmaceuticals, Inc. (C)	56,186	2,723,335
Acceleron Pharma, Inc. (C)	26,194	2,495,502
Acerta Pharma BV, Class B (A)(B)(C)	4,276,305	406,677
ADC Therapeutics SA (C)	4,086	191,266
Adverum Biotechnologies, Inc. (C)	18,906	394,757
Agenus, Inc. (C)	29,800	117,114
Agius Pharmaceuticals, Inc. (C)	13,637	729,307
Aimmune Therapeutics, Inc. (C)	21,335	356,508
Akero Therapeutics, Inc. (C)	3,303	82,311
Akouos, Inc. (C)	9,814	220,815
Alector, Inc. (C)	10,504	256,718
Alexion Pharmaceuticals, Inc. (C)	32,431	3,640,055
Alkermes PLC (C)	25,733	499,349
Allakos, Inc. (C)	393	28,241
Allogene Therapeutics, Inc. (C)	21,156	905,900
Alnylam Pharmaceuticals, Inc. (C)	24,272	3,594,926
Amarin Corp. PLC, ADR (C)	41,914	290,045
Amgen, Inc.	22,297	5,258,970
Apellis Pharmaceuticals, Inc. (C)	18,572	606,562
Aprea Therapeutics, Inc. (C)	4,627	179,435
Arcturus Therapeutics Holdings, Inc. (C)	5,543	259,080
Arcutis Biotherapeutics, Inc. (C)	4,960	149,990
Ardelyx, Inc. (C)	22,814	157,873
Argenx SE, ADR (C)	16,980	3,824,405
Ascendis Pharma A/S, ADR (C)	20,318	3,005,032
Assembly Biosciences, Inc. (C)	6,574	153,306
Avidity Biosciences, Inc. (C)	4,804	135,761
AvroBio, Inc. (C)	5,677	99,064
Beam Therapeutics, Inc. (C)	2,319	64,932
BeiGene, Ltd., ADR (C)	5,546	1,044,866
BELLUS Health, Inc. (C)	14,194	146,056
Biogen, Inc. (C)	9,860	2,638,043
BioMarin Pharmaceutical, Inc. (C)	16,274	2,007,235
BioNTech SE, ADR (C)	2,800	186,872
Bluebird Bio, Inc. (C)	10,204	622,852
Blueprint Medicines Corp. (C)	11,214	874,692
Burning Rock Biotech, Ltd., ADR (C)	12,445	336,139
CareDx, Inc. (C)	7,783	275,752
ChemoCentryx, Inc. (C)	4,777	274,869
Constellation Pharmaceuticals, Inc. (C)	5,100	153,255
Cortexyme, Inc. (C)	1,200	55,560
CRISPR Therapeutics AG (C)	6,014	441,969
Cyclerion Therapeutics, Inc. (C)	8,100	47,871
Deciphera Pharmaceuticals, Inc. (C)	10,718	640,079
Denali Therapeutics, Inc. (C)	16,575	400,784
Dicerna Pharmaceuticals, Inc. (C)	18,678	474,421
Enanta Pharmaceuticals, Inc. (C)	8,454	424,475
Epizyme, Inc. (C)	14,713	236,291
Esperion Therapeutics, Inc. (C)	2,800	143,668
Exact Sciences Corp. (C)	25,302	2,199,756
Exelixis, Inc. (C)	96,496	2,290,815
Fate Therapeutics, Inc. (C)	11,590	397,653

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
FibroGen, Inc. (C)	21,047	\$ 853,035
G1 Therapeutics, Inc. (C)	5,707	138,452
Generation Bio Company (C)	13,116	275,436
Global Blood Therapeutics, Inc. (C)	16,532	1,043,665
Gritstone Oncology, Inc. (C)	5,800	38,512
Halozyme Therapeutics, Inc. (C)	5,800	155,498
Homology Medicines, Inc. (C)	13,262	201,450
IGM Biosciences, Inc. (C)	5,654	412,742
Immunomedics, Inc. (C)	28,366	1,005,291
Incyte Corp. (C)	46,258	4,809,444
Insmed, Inc. (C)	33,464	921,599
Intellia Therapeutics, Inc. (C)	9,257	194,582
Intercept Pharmaceuticals, Inc. (C)	3,147	150,773
Invitae Corp. (C)	7,700	233,233
Ionis Pharmaceuticals, Inc. (C)	29,670	1,749,343
Iovance Biotherapeutics, Inc. (C)	52,341	1,436,760
IVERIC bio, Inc. (C)	37,600	191,760
Kadmon Holdings, Inc. (C)	47,954	245,524
Karuna Therapeutics, Inc. (C)	8,747	974,941
Karyopharm Therapeutics, Inc. (C)	12,771	241,883
Kodiak Sciences, Inc. (C)	21,217	1,148,264
Krystal Biotech, Inc. (C)	5,697	235,970
Legend Biotech Corp., ADR (C)	4,307	183,306
Madrigal Pharmaceuticals, Inc. (C)	1,400	158,550
Mersana Therapeutics, Inc. (C)	7,192	168,293
Mirati Therapeutics, Inc. (C)	8,295	947,040
Moderna, Inc. (C)	10,579	679,278
Momenta Pharmaceuticals, Inc. (C)	15,065	501,213
MorphoSys AG (C)	2,748	348,411
Neurocrine Biosciences, Inc. (C)	24,015	2,929,830
Novavax, Inc. (C)	2,200	183,370
Orchard Therapeutics PLC, ADR (C)	13,631	81,786
Passage Bio, Inc. (C)	3,328	90,954
PhaseBio Pharmaceuticals, Inc. (C)	10,305	47,403
Principia Biopharma, Inc. (C)	7,778	465,047
Protagonist Therapeutics, Inc. (C)	12,146	214,498
PTC Therapeutics, Inc. (C)	9,074	460,415
Puma Biotechnology, Inc. (C)	15,100	157,493
Radius Health, Inc. (C)	11,891	162,074
RAPT Therapeutics, Inc. (C)	9,095	263,937
Regeneron Pharmaceuticals, Inc. (C)	9,978	6,222,780
REGENXBIO, Inc. (C)	6,300	232,029
Replimune Group, Inc. (C)	6,100	151,585
REVOLUTION Medicines, Inc. (C)	2,388	75,389
Rocket Pharmaceuticals, Inc. (C)	13,355	279,520
Sage Therapeutics, Inc. (C)	16,812	699,043
Sarepta Therapeutics, Inc. (C)	10,668	1,710,507
Scholar Rock Holding Corp. (C)	3,787	68,961
Seattle Genetics, Inc. (C)	26,462	4,496,423
Stoke Therapeutics, Inc. (C)	7,038	167,716
Swedish Orphan Biovitrum AB (C)	15,051	348,982
Translate Bio, Inc. (C)	12,877	230,756
Trillium Therapeutics, Inc. (C)	8,500	68,765
Turning Point Therapeutics, Inc. (C)	8,319	537,324
Twist Bioscience Corp. (C)	7,669	347,406
Ultragenyx Pharmaceutical, Inc. (C)	24,986	1,954,405
uniQure NV (C)	3,900	175,734
Verastem, Inc. (C)	16,400	28,208
Vertex Pharmaceuticals, Inc. (C)	40,696	11,814,456
Xencor, Inc. (C)	17,455	565,367
Zai Lab, Ltd., ADR (C)	2,709	222,490
Zeneca, Inc. (B)(C)	13,151	8,088
Zentalis Pharmaceuticals, Inc. (C)	5,348	256,811
Zymeworks, Inc. (C)	10,723	386,779
		109,168,965

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies – 20.2%		
Alcon, Inc. (C)	23,101	\$ 1,327,366
AtriCure, Inc. (C)	11,762	528,702
Becton, Dickinson and Company	33,828	8,094,026
Danaher Corp.	35,774	6,325,916
DexCom, Inc. (C)	8,410	3,409,414
DiaSorin SpA	7,740	1,486,432
Envista Holdings Corp. (C)	47,804	1,008,186
GenMark Diagnostics, Inc. (C)	27,332	402,054
Hologic, Inc. (C)	52,900	3,015,300
ICU Medical, Inc. (C)	3,925	723,417
Inari Medical, Inc. (C)	3,430	166,149
Insulet Corp. (C)	6,900	1,340,394
Intuitive Surgical, Inc. (C)	16,590	9,453,480
iRhythm Technologies, Inc. (C)	6,282	728,021
Lantheus Holdings, Inc. (C)	26,433	377,992
Nevro Corp. (C)	12,340	1,474,260
Novocure, Ltd. (C)	9,176	544,137
Penumbra, Inc. (C)	7,576	1,354,740
Quidel Corp. (C)	13,284	2,972,162
Shockwave Medical, Inc. (C)	8,231	389,902
Stryker Corp.	28,815	5,192,175
Tandem Diabetes Care, Inc. (C)	7,400	732,008
Teleflex, Inc.	5,818	2,117,636
The Cooper Companies, Inc.	4,858	1,377,923
West Pharmaceutical Services, Inc.	10,353	2,351,891
Zimmer Biomet Holdings, Inc.	5,350	638,576
		57,532,259
Health care providers and services – 14.7%		
Acadia Healthcare Company, Inc. (C)	10,300	258,736
Amedisys, Inc. (C)	4,507	894,820
Anthem, Inc.	12,305	3,235,969
Centene Corp. (C)	86,323	5,485,827
Cigna Corp.	25,476	4,780,571
Guardant Health, Inc. (C)	6,194	502,519
HCA Healthcare, Inc.	27,183	2,638,382
Humana, Inc.	14,214	5,511,479
McKesson Corp.	3,200	490,944
Molina Healthcare, Inc. (C)	12,209	2,172,958
Option Care Health, Inc. (C)	9,759	135,455
The Pennant Group, Inc. (C)	11,735	265,211
UnitedHealth Group, Inc.	51,832	15,287,844
		41,660,715
Health care technology – 1.2%		
Livongo Health, Inc. (C)	3,900	293,241
Phreesia, Inc. (C)	6,466	182,858
Schrodinger, Inc. (C)	4,954	453,638
Teladoc Health, Inc. (C)	3,800	725,192
Veeva Systems, Inc., Class A (C)	7,199	1,687,590
		3,342,519
Life sciences tools and services – 8.1%		
10X Genomics, Inc., Class A (C)	5,936	530,144
Adaptive Biotechnologies Corp. (C)	11,072	535,663
Agilent Technologies, Inc.	45,787	4,046,197
Avantor, Inc. (C)	84,504	1,436,568
Bio-Techne Corp.	1,200	316,884
Bruker Corp.	33,902	1,379,133
Evotec SE (C)	26,952	735,636
Lonza Group AG	1,758	931,208
Mettler-Toledo International, Inc. (C)	999	804,744
PPD, Inc. (C)	15,758	422,314
PRA Health Sciences, Inc. (C)	7,908	769,369
Quanterix Corp. (C)	15,800	432,762
Repligen Corp. (C)	1,226	151,546
Thermo Fisher Scientific, Inc.	28,337	10,267,629

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
Wuxi Biologics Cayman, Inc. (C)(D)	21,500	\$ 394,645
		23,154,442
Pharmaceuticals – 15.2%		
Arvinas, Inc. (C)	4,500	150,930
Astellas Pharma, Inc.	60,200	1,005,314
AstraZeneca PLC, ADR	93,575	4,949,182
Axsome Therapeutics, Inc. (C)	7,621	627,056
Bayer AG	13,777	1,021,199
Bristol-Myers Squibb Company	47,552	2,796,058
Cara Therapeutics, Inc. (C)	17,533	299,814
Catalent, Inc. (C)	14,481	1,061,457
Chugai Pharmaceutical Company, Ltd.	39,100	2,093,412
Daiichi Sankyo Company, Ltd.	21,900	1,791,236
Eisai Company, Ltd.	12,000	953,386
Elanco Animal Health, Inc. (C)	30,608	656,542
Eli Lilly & Company	39,095	6,418,617
GW Pharmaceuticals PLC, ADR (C)	4,477	549,417
Horizon Therapeutics PLC (C)	13,700	761,446
Intra-Cellular Therapies, Inc. (C)	6,949	178,381
Ipsen SA	9,704	823,205
Kala Pharmaceuticals, Inc. (C)	4,300	45,193
Merck & Company, Inc.	79,602	6,155,623
Merck KGaA	2,951	343,637
Milestone Pharmaceuticals, Inc. (C)	6,904	26,097
MyoKardia, Inc. (C)	15,614	1,508,625
Nektar Therapeutics (C)	12,200	282,552
Odonate Therapeutics, Inc. (C)	9,305	393,974
Reata Pharmaceuticals, Inc., Class A (C)	3,604	562,296
Roche Holding AG	11,488	3,980,012
Royalty Pharma PLC, Class A (C)	25,299	1,228,266
Sanofi	16,922	1,725,783
Tricida, Inc. (C)	18,325	503,571
WaVe Life Sciences, Ltd. (C)	13,514	140,681
Zogenix, Inc. (C)	9,122	246,385
		43,279,347
		278,138,247
Industrials – 0.3%		
Industrial conglomerates – 0.3%		
General Electric Company	117,100	799,793
TOTAL COMMON STOCKS (Cost \$199,754,593)		\$ 279,758,530
PREFERRED SECURITIES – 0.9%		
Consumer discretionary – 0.2%		
Specialty retail – 0.2%		
JAND, Inc., Series D (A)(B)(C)	33,198	754,923
Health care – 0.5%		
Health care equipment and supplies – 0.5%		
Sartorius AG	4,418	1,458,152
Information technology – 0.2%		
Software – 0.2%		
Doximity, Inc. (A)(B)(C)	31,611	488,706
TOTAL PREFERRED SECURITIES (Cost \$1,191,474)		\$ 2,701,781
RIGHTS – 0.1%		
Bristol-Myers Squibb Company (Expiration Date: 3-31-21) (C)(E)	64,896	232,328
TOTAL RIGHTS (Cost \$225,295)		\$ 232,328

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 0.8%		
Short-term funds – 0.8%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (F)	500,000	\$ 500,000
T. Rowe Price Government Reserve Fund, 0.2119% (F)	1,908,515	1,908,515
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,408,515)		\$ 2,408,515
Total Investments (Health Sciences Trust) (Cost \$203,579,877) – 100.2%		\$ 285,101,154
Other assets and liabilities, net – (0.2%)		(665,797)
TOTAL NET ASSETS – 100.0%		\$ 284,435,357

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(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)	Non-income producing security.
(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 6-30-20.

International Equity Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 97.4%		
Argentina - 0.0%		
Globant SA (A)	1,200	\$ 179,820
YPF SA, ADR (B)	6,300	36,225
		216,045
Australia - 4.5%		
Afterpay, Ltd. (A)	7,435	321,100
AGL Energy, Ltd.	24,640	291,494
AMP, Ltd. (A)	145,968	188,871
Ampol, Ltd.	9,411	191,761
APA Group	44,410	343,391
Aristocrat Leisure, Ltd.	21,036	376,680
ASX, Ltd.	7,786	462,785
Aurizon Holdings, Ltd.	76,706	261,020
AusNet Services	82,399	95,201
Australia & New Zealand Banking		
Group, Ltd.	103,756	1,346,245
BHP Group PLC	74,830	1,531,246
BHP Group, Ltd.	102,554	2,553,371
BlueScope Steel, Ltd.	20,070	165,333
Brambles, Ltd.	57,919	439,163
CIMIC Group, Ltd.	3,702	62,210
Coca-Cola Amatil, Ltd.	21,130	127,275
Cochlear, Ltd.	2,361	309,972
Coles Group, Ltd.	45,471	540,529
Commonwealth Bank of Australia	61,627	2,976,226
Computershare, Ltd.	16,916	156,633
Crown Resorts, Ltd.	14,067	94,762
CSL, Ltd.	15,801	3,142,635
Dexus	39,487	253,439
Evolution Mining, Ltd.	56,369	223,925
Fortescue Metals Group, Ltd.	54,593	530,734

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Goodman Group	64,495	\$ 665,472
Insurance Australia Group, Ltd.	92,277	370,340
Lendlease Group	20,344	175,838
Macquarie Group, Ltd.	11,836	982,292
Magellan Financial Group, Ltd.	4,432	180,983
Medibank Pvt., Ltd.	99,625	206,547
Mirvac Group	141,329	213,491
National Australia Bank, Ltd.	105,529	1,337,298
Newcrest Mining, Ltd.	28,639	635,041
Northern Star Resources, Ltd.	25,763	242,970
Oil Search, Ltd.	55,389	122,751
Orica, Ltd.	13,519	156,342
Origin Energy, Ltd.	71,385	290,482
Qantas Airways, Ltd.	26,994	71,531
QBE Insurance Group, Ltd. (B)	49,037	302,612
Ramsay Health Care, Ltd.	6,659	307,527
REA Group, Ltd.	2,146	161,708
Santos, Ltd.	64,049	238,042
Scentre Group	211,217	320,657
SEEK, Ltd.	11,910	182,209
Sonic Healthcare, Ltd.	16,282	343,823
South32, Ltd.	112,851	159,766
South32, Ltd. (London Stock Exchange)	74,597	104,469
Stockland	87,409	202,684
Suncorp Group, Ltd.	50,553	324,848
Sydney Airport	39,872	157,358
Tabcorp Holdings, Ltd.	75,725	178,609
Telstra Corp., Ltd.	168,147	364,984
The GPT Group	79,169	229,994
TPG Telecom, Ltd. (A)	13,013	79,924
Transurban Group	99,243	973,245
Treasury Wine Estates, Ltd.	26,341	191,653
Tuas, Ltd. (A)	6,507	3,031
Vicinity Centres	127,154	127,447
Washington H Soul Pattinson & Company, Ltd.	3,863	52,470
Wesfarmers, Ltd.	41,503	1,290,415
Westpac Banking Corp.	127,744	1,601,060
WiseTech Global, Ltd.	5,291	71,576
Woodside Petroleum, Ltd.	35,379	534,669
Woolworths Group, Ltd.	46,073	1,187,610
		32,329,769
Austria - 0.1%		
ANDRITZ AG	2,752	100,340
Erste Group Bank AG	11,010	260,030
OMV AG	5,543	187,042
Raiffeisen Bank International AG (A)	4,926	88,044
Verbund AG	2,442	109,675
voestalpine AG (B)	4,357	94,091
		839,222
Belgium - 0.6%		
Ageas SA/NV	6,383	226,211
Anheuser-Busch InBev SA/NV	26,526	1,307,631
Colruyt SA	2,769	152,182
Elia Group SA/NV	1,076	117,059
Galapagos NV (A)	1,603	316,395
Groupe Bruxelles Lambert SA	4,654	389,818
KBC Group NV	8,597	493,906
Proximus SADP	5,996	122,181
Sofina SA	537	141,796
Solvay SA	2,881	231,130
Telenet Group Holding NV	2,144	88,339
UCB SA	4,152	481,823

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Belgium (continued)		
Umicore SA (B)	6,530	\$ 308,241
		4,376,712
Brazil - 1.0%		
Ambev SA	161,630	420,266
Atacadao SA	13,900	50,482
B2W Cia Digital (A)	7,539	148,407
B3 SA - Brasil Bolsa Balcao	73,407	743,641
Banco Bradesco SA	42,418	147,891
Banco BTG Pactual SA	10,911	153,490
Banco do Brasil SA	30,113	178,028
Banco Santander Brasil SA	14,000	72,135
BB Seguridade Participacoes SA	24,400	122,357
BR Malls Participacoes SA	28,116	52,116
Braskem SA, ADR (B)	1,584	13,702
BRF SA (A)	19,720	77,094
CCR SA	40,100	106,922
Centrais Eletricas Brasileiras SA (A)	9,400	53,585
Centrais Eletricas Brasileiras SA, ADR	1,429	8,374
Cia Brasileira de Distribuicao	4,938	64,453
Cia Brasileira de Distribuicao, ADR	628	8,208
Cia de Saneamento Basico do Estado de Sao Paulo	11,270	119,578
Cia Siderurgica Nacional SA, ADR (B)	11,800	23,128
Cielo SA	44,260	37,602
Cogna Educacao	54,565	66,324
Cosan SA	5,611	73,175
Energisa SA	6,100	54,964
Engie Brasil Energia SA	7,275	56,307
Equatorial Energia SA (A)	30,700	131,085
Hypera SA	10,908	66,795
IRB Brasil Resseguros SA	25,200	50,974
JBS SA	34,073	132,518
Klabin SA	24,000	89,723
Localiza Rent a Car SA	21,027	158,183
Lojas Renner SA	25,927	199,288
Magazine Luiza SA	23,027	303,394
Multiplan Empreendimentos Imobiliarios SA	9,975	37,603
Natura & Company Holding SA	24,552	180,141
Notre Dame Intermedica Participacoes SA	17,255	215,795
Petrobras Distribuidora SA	25,000	99,070
Petroleo Brasileiro SA	133,029	546,490
Porto Seguro SA	1,919	17,792
Raia Drogasil SA	8,100	164,767
Rumo SA (A)	38,235	158,126
Sul America SA	10,299	85,356
Suzano SA (A)	13,763	93,110
Suzano SA, ADR (A)(B)	3,164	21,389
Telefonica Brasil SA, ADR	6,017	53,311
TIM Participacoes SA	28,020	73,166
Ultrapar Participacoes SA	25,400	85,848
Vale SA	128,797	1,324,420
WEG SA	30,058	279,737
		7,420,310
Canada - 6.5%		
Agnico Eagle Mines, Ltd.	9,016	577,314
Air Canada (A)(B)	4,700	58,681
Algonquin Power & Utilities Corp.	19,604	253,425
Alimentation Couche-Tard, Inc., Class B	30,600	959,518
AltaGas, Ltd.	11,500	132,569
Atco, Ltd., Class I	3,400	100,853
B2Gold Corp.	36,100	205,283
Bank of Montreal	23,076	1,228,250
Barrick Gold Corp.	42,277	1,137,580

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Barrick Gold Corp. (London Stock Exchange)	20,657	\$ 541,407
BCE, Inc.	5,524	230,384
BlackBerry, Ltd. (A)(B)	21,000	102,401
Brookfield Asset Management, Inc., Class A (B)	47,472	1,562,352
CAE, Inc.	10,400	168,686
Cameco Corp.	16,300	167,130
Canadian Apartment Properties REIT (B)	2,900	103,794
Canadian Imperial Bank of Commerce (B)	15,700	1,049,365
Canadian National Railway Company	25,500	2,256,044
Canadian Natural Resources, Ltd. (B)	41,660	722,667
Canadian Pacific Railway, Ltd.	4,900	1,246,367
Canadian Tire Corp., Ltd., Class A (B)	2,100	181,971
Canadian Utilities, Ltd., Class A	4,600	114,526
Canopy Growth Corp. (A)(B)	8,000	129,582
CCL Industries, Inc., Class B	6,000	193,930
Cenovus Energy, Inc.	40,300	188,498
CGI, Inc. (A)	8,900	560,708
CI Financial Corp.	6,700	85,231
Constellation Software, Inc.	700	790,382
Cronos Group, Inc. (A)(B)	8,100	48,805
Dollarama, Inc.	10,100	335,972
Emera, Inc. (B)	8,200	322,661
Empire Company, Ltd., Class A	6,200	148,469
Enbridge, Inc.	72,200	2,195,357
Fairfax Financial Holdings, Ltd.	1,000	308,950
First Capital Real Estate Investment Trust	2,700	27,605
First Quantum Minerals, Ltd.	26,954	214,822
Fortis, Inc.	15,335	583,195
Franco-Nevada Corp. (B)	6,755	943,640
George Weston, Ltd.	2,799	205,039
Gildan Activewear, Inc. (B)	8,400	130,121
Great-West Lifeco, Inc.	9,900	173,556
Hydro One, Ltd. (C)	10,900	204,977
iA Financial Corp., Inc.	3,400	113,851
IGM Financial, Inc. (B)	3,000	72,901
Imperial Oil, Ltd.	8,630	138,833
Intact Financial Corp.	5,000	475,877
Inter Pipeline, Ltd. (B)	15,900	148,038
Keyera Corp. (B)	8,500	129,416
Kinross Gold Corp. (A)	41,629	300,504
Kirkland Lake Gold, Ltd.	8,100	333,522
Loblaw Companies, Ltd.	6,140	298,995
Lundin Mining Corp.	26,800	143,712
Magna International, Inc.	10,900	485,426
Manulife Financial Corp. (B)(D)	68,800	936,017
Metro, Inc.	9,357	385,969
National Bank of Canada	12,400	561,909
Nutrien, Ltd.	20,490	658,348
Onex Corp.	3,500	158,114
Open Text Corp.	9,700	411,907
Pan American Silver Corp.	7,300	221,699
Parkland Corp.	5,400	134,085
Pembina Pipeline Corp.	18,998	474,950
Power Corp. of Canada	19,412	341,454
Quebecor, Inc., Class B	6,400	137,513
Restaurant Brands International, Inc. (B)	9,046	492,346
RioCan Real Estate Investment Trust (B)	6,300	71,279
Ritchie Bros Auctioneers, Inc. (B)	3,800	154,704
Rogers Communications, Inc., Class B	13,300	534,410
Royal Bank of Canada	49,600	3,365,245
Saputo, Inc.	9,100	216,976
Shaw Communications, Inc., Class B	16,857	274,907
Shopify, Inc., Class A (A)(B)	3,700	3,515,136

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
SmartCentres Real Estate Investment Trust	3,100	\$ 47,747
Sun Life Financial, Inc. (B)	20,700	760,698
Suncor Energy, Inc.	54,435	917,809
TC Energy Corp.	33,197	1,418,257
Teck Resources, Ltd., Class B	19,461	203,842
TELUS Corp. (B)	15,592	261,513
The Bank of Nova Scotia (B)	43,400	1,795,972
The Toronto-Dominion Bank	64,700	2,887,576
Thomson Reuters Corp.	6,954	472,479
TMX Group, Ltd.	2,000	197,746
Wheaton Precious Metals Corp.	16,105	708,331
WSP Global, Inc. (B)	3,800	233,050
Yamana Gold, Inc.	33,100	179,934
		46,665,064
Chile - 0.1%		
Antofagasta PLC	16,040	185,652
Banco Santander Chile, ADR	4,908	80,491
Cencosud SA	61,383	85,939
Cia Cerveceras Unidas SA, ADR (B)	1,518	21,738
Enel Americas SA, ADR	24,015	180,353
Enel Chile SA, ADR	14,822	55,879
Sociedad Quimica y Minera de Chile SA, ADR	3,144	81,964
		692,016
China - 9.9%		
3SBio, Inc. (A)(C)	40,500	51,548
51job, Inc., ADR (A)	900	64,611
58.com, Inc., ADR (A)	3,300	178,002
AAC Technologies Holdings, Inc. (B)	27,342	168,859
AECC Aviation Power Company, Ltd., Class A (A)	3,600	12,010
Agile Group Holdings, Ltd.	54,000	64,009
Agricultural Bank of China, Ltd., Class A	165,700	79,323
Agricultural Bank of China, Ltd., H Shares	1,041,000	421,339
Aier Eye Hospital Group Company, Ltd., Class A	8,944	55,057
Air China, Ltd., H Shares	84,534	50,822
Airtac International Group	4,000	70,661
Aisino Corp., Class A (A)	4,100	9,450
Alibaba Group Holding, Ltd., ADR (A)	65,400	14,106,738
Aluminum Corp. of China, Ltd., A Shares (A)	29,100	11,414
Aluminum Corp. of China, Ltd., H Shares (A)	185,220	34,935
Anhui Conch Cement Company, Ltd., Class A	8,900	66,945
Anhui Conch Cement Company, Ltd., H Shares	44,290	300,116
Anhui Gujing Distillery Company, Ltd., Class A (A)	900	19,166
ANTA Sports Products, Ltd.	44,000	391,471
Autohome, Inc., ADR	2,100	158,550
AVIC Aircraft Company, Ltd., Class A	6,200	15,633
Avic Capital Company, Ltd., Class A	20,000	11,243
AVIC Jonhon Optron Technology Company, Ltd., Class A	2,300	13,391
AviChina Industry & Technology Company, Ltd., H Shares	72,000	32,844
BAIC Motor Corp., Ltd., H Shares (C)	63,000	27,571
Baidu, Inc., ADR (A)	9,800	1,174,922
Bank of Beijing Company, Ltd., Class A	47,000	32,620
Bank of China, Ltd., Class A (A)	78,100	38,492
Bank of China, Ltd., H Shares	2,831,563	1,048,905
Bank of Communications Company, Ltd., Class A	87,300	63,407

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Bank of Communications Company, Ltd., H Shares	337,527	\$ 208,987
Bank of Hangzhou Company, Ltd., Class A	11,400	14,425
Bank of Jiangsu Company, Ltd., Class A	25,700	20,650
Bank of Nanjing Company, Ltd., Class A	13,600	14,132
Bank of Ningbo Company, Ltd., Class A	12,500	46,580
Bank of Shanghai Company, Ltd., Class A	31,610	37,190
Baoshan Iron & Steel Company, Ltd., Class A	41,300	26,737
Baozun, Inc., ADR (A)(B)	1,300	49,985
BeiGene, Ltd., ADR (A)	1,500	282,600
Beijing Capital International Airport Company, Ltd., H Shares	52,789	33,037
Beijing Shunxin Agriculture Company, Ltd., Class A	1,700	13,757
Bilibili, Inc., ADR (A)(B)	3,400	157,488
BOE Technology Group Company, Ltd., Class A	75,300	50,074
BYD Company, Ltd., Class A	4,000	40,919
BYD Company, Ltd., H Shares	24,105	187,930
BYD Electronic International Company, Ltd.	13,500	31,188
CGN Power Company, Ltd., H Shares (C)	446,000	92,470
Changchun High & New Technology Industry Group, Inc., Class A	800	49,230
China Aoyuan Group, Ltd.	64,000	78,221
China Cinda Asset Management Company, Ltd., H Shares	304,800	60,124
China CITIC Bank Corp., Ltd., H Shares	310,800	136,195
China Common Rich Renewable Energy Investments, Ltd. (A)(E)	428,695	11,892
China Communications Construction Company, Ltd., H Shares	152,335	86,402
China Communications Services Corp., Ltd., H Shares	129,600	81,218
China Conch Venture Holdings, Ltd.	57,900	245,750
China Construction Bank Corp., Class A	15,400	13,769
China Construction Bank Corp., H Shares	3,428,914	2,789,021
China Eastern Airlines Corp., Ltd., Class A (A)	15,800	9,491
China Eastern Airlines Corp., Ltd., H Shares	50,000	18,002
China Everbright Bank Company, Ltd., Class A	88,600	44,937
China Everbright Bank Company, Ltd., H Shares	120,000	45,312
China Evergrande Group (B)	65,959	171,635
China Fortune Land Development Company, Ltd., Class A	6,700	21,751
China Galaxy Securities Company, Ltd., H Shares	129,500	70,499
China Greatwall Technology Group Company, Ltd., Class A	6,500	12,204
China Hongqiao Group, Ltd.	34,500	15,362
China Huarong Asset Management Company, Ltd., H Shares (C)	351,700	35,618
China Huishan Dairy Holdings Company, Ltd. (A)(E)	225,000	0
China International Capital Corp., Ltd., H Shares (A)(C)	36,800	72,811
China Life Insurance Company, Ltd., Class A (A)	4,500	17,403
China Life Insurance Company, Ltd., H Shares	265,624	535,966
China Literature, Ltd. (A)(C)	6,400	43,397

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Longyuan Power Group Corp., Ltd., H Shares	99,000	\$ 55,817
China Medical System Holdings, Ltd.	48,300	57,120
China Merchants Bank Company, Ltd., Class A	45,900	219,746
China Merchants Bank Company, Ltd., H Shares	139,323	645,643
China Merchants Securities Company, Ltd., Class A	12,700	39,536
China Merchants Shekou Industrial Zone Holdings Company, Ltd., Class A	17,600	41,072
China Minsheng Banking Corp., Ltd., Class A	78,880	63,357
China Minsheng Banking Corp., Ltd., H Shares	242,496	166,925
China Molybdenum Company, Ltd., Class A	28,400	14,856
China Molybdenum Company, Ltd., H Shares	129,000	42,591
China National Building Material Company, Ltd., H Shares	138,000	148,019
China National Nuclear Power Company, Ltd., Class A	20,900	12,120
China Oilfield Services, Ltd., H Shares	56,000	51,033
China Pacific Insurance Group Company, Ltd., Class A	14,000	54,211
China Pacific Insurance Group Company, Ltd., H Shares	94,100	252,911
China Petroleum & Chemical Corp., Class A	56,700	31,461
China Petroleum & Chemical Corp., H Shares	909,361	380,348
China Railway Construction Corp., Ltd., Class A	25,600	30,452
China Railway Construction Corp., Ltd., H Shares	67,500	53,467
China Railway Group, Ltd., Class A	30,000	21,379
China Railway Group, Ltd., H Shares	179,000	92,398
China Railway Signal & Communication Corp., Ltd., H Shares (C)	53,000	22,888
China Reinsurance Group Corp., H Shares	203,000	20,798
China Resources Pharmaceutical Group, Ltd. (C)	66,000	38,231
China Shenhua Energy Company, Ltd., Class A	9,800	19,973
China Shenhua Energy Company, Ltd., H Shares	127,500	197,877
China Shipbuilding Industry Company, Ltd., Class A	50,900	28,892
China Southern Airlines Company, Ltd., Class A	13,800	10,150
China Southern Airlines Company, Ltd., H Shares (A)(B)	64,000	28,620
China State Construction Engineering Corp., Ltd., Class A	93,340	63,169
China Telecom Corp., Ltd., H Shares	481,604	135,281
China Tourism Group Duty Free Corp., Ltd., Class A (A)	4,300	94,240
China Tower Corp., Ltd., H Shares (C)	1,496,000	265,848
China United Network Communications, Ltd., Class A	69,100	47,507
China Vanke Company, Ltd., Class A	21,600	80,210
China Vanke Company, Ltd., H Shares	63,600	202,989
China Yangtze Power Company, Ltd., Class A	48,900	131,301

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Chongqing Rural Commercial Bank Company, Ltd., H Shares	88,000	\$ 34,802
Chongqing Zhifei Biological Products Company, Ltd., Class A (A)	2,100	29,687
CIFI Holdings Group Company, Ltd.	128,078	100,895
CITIC Securities Company, Ltd., Class A	21,900	74,948
CITIC Securities Company, Ltd., H Shares (B)	75,500	144,015
CNOOC, Ltd.	636,258	714,090
Contemporary Amperex Technology Company, Ltd., Class A	4,900	122,128
COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	44,000	19,707
COSCO SHIPPING Holdings Company, Ltd., H Shares (A)(B)	92,000	26,570
Country Garden Holdings Company, Ltd.	278,226	345,084
Country Garden Services Holdings Company, Ltd.	53,000	247,423
CRRC Corp., Ltd., Class A	54,100	42,755
CRRC Corp., Ltd., H Shares	164,150	69,689
CSC Financial Company, Ltd., Class A	6,200	34,691
CSPC Pharmaceutical Group, Ltd.	223,200	422,716
Dali Foods Group Company, Ltd. (C)	73,000	44,491
Daqin Railway Company, Ltd., Class A	33,100	32,998
Dongfeng Motor Group Company, Ltd., H Shares	123,220	74,313
East Money Information Company, Ltd., Class A	17,880	51,324
ENN Energy Holdings, Ltd.	32,100	362,746
Eve Energy Company, Ltd., Class A	4,181	28,404
Everbright Securities Company, Ltd., Class A	8,700	19,805
Focus Media Information Technology Company, Ltd., Class A	32,700	25,882
Foshan Haitian Flavouring & Food Company, Ltd., Class A	6,000	105,684
Fosun International, Ltd.	102,500	131,366
Founder Securities Company, Ltd., Class A	13,200	13,278
Foxconn Industrial Internet Company, Ltd., Class A	6,400	13,796
Fuyao Glass Industry Group Company, Ltd., Class A (A)	4,500	13,333
Fuyao Glass Industry Group Company, Ltd., H Shares (A)(C)	16,800	40,224
GD Power Development Company, Ltd., Class A	43,700	11,462
GDS Holdings, Ltd., ADR (A)(B)	2,100	167,286
Gemdale Corp., Class A	7,300	14,195
Genscript Biotech Corp. (A)(B)	28,000	57,906
GF Securities Company, Ltd., Class A	13,200	26,460
GF Securities Company, Ltd., H Shares	47,800	51,481
Gigadevice Semiconductor Beijing, Inc., Class A	980	32,876
Glodon Company, Ltd., Class A	2,500	24,746
GoerTek, Inc., Class A	5,200	21,745
GOME Retail Holdings, Ltd. (A)	386,127	64,723
Great Wall Motor Company, Ltd., H Shares (B)	123,000	77,412
Gree Electric Appliances, Inc. of Zhuhai, Class A	6,700	53,811
Greenland Holdings Corp., Ltd., Class A	13,100	11,486
Greentown Service Group Company, Ltd.	22,000	26,077
GSX Techedu, Inc., ADR (A)(B)	2,700	161,973
Guangdong Haid Group Company, Ltd., Class A	3,500	23,626

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Guangzhou Automobile Group Company, Ltd., H Shares	142,310	\$ 103,683
Guangzhou Baiyunshan Pharmaceutical Holdings Company, Ltd., Class A	2,300	10,549
Guangzhou R&F Properties Company, Ltd., H Shares	43,600	51,309
Guosen Securities Company, Ltd., Class A	6,600	10,577
Guotai Junan Securities Company, Ltd., Class A	16,700	40,897
Guotai Junan Securities Company, Ltd., H Shares (C)	21,400	29,761
Haidilao International Holding, Ltd. (C)	19,000	80,749
Haier Smart Home Company, Ltd., Class A	13,600	34,157
Haitian International Holdings, Ltd.	29,000	59,056
Haitong Securities Company, Ltd., Class A	18,000	32,138
Haitong Securities Company, Ltd., H Shares	113,200	91,969
Hangzhou Hikvision Digital Technology Company, Ltd., Class A	20,800	89,870
Hangzhou Tigermed Consulting Company, Ltd., Class A	1,700	24,471
Henan Shuanghui Investment & Development Company, Ltd., Class A	4,400	28,777
Hengan International Group Company, Ltd.	25,000	196,780
Hengli Petrochemical Company, Ltd., Class A	9,500	18,873
Hithink RoyalFlush Information Network Company, Ltd., Class A	900	17,055
Hua Hong Semiconductor, Ltd. (A)(B)(C)	9,000	31,551
Huadong Medicine Company, Ltd., Class A	2,800	10,045
Hualan Biological Engineering, Inc., Class A	4,030	28,621
Huaneng Power International, Inc., H Shares	149,436	56,363
Huatai Securities Company, Ltd., Class A	16,400	43,756
Huatai Securities Company, Ltd., H Shares (C)	65,400	104,692
Huaxia Bank Company, Ltd., Class A	28,500	24,717
Huayu Automotive Systems Company, Ltd., Class A	5,100	15,105
Huazhu Group, Ltd., ADR (B)	4,700	164,735
Hundsun Technologies, Inc., Class A	1,690	25,867
Iflytek Company, Ltd., Class A	3,500	18,640
Industrial & Commercial Bank of China, Ltd., Class A	120,000	84,626
Industrial & Commercial Bank of China, Ltd., H Shares	2,114,735	1,278,502
Industrial Bank Company, Ltd., Class A (A)	46,200	103,425
Industrial Securities Company, Ltd., Class A	14,900	14,489
Inner Mongolia BaoTou Steel Union Company, Ltd., Class A	48,800	7,469
Inner Mongolia Yili Industrial Group Company, Ltd., Class A	13,600	60,051
Inner Mongolia Yitai Coal Company, Ltd., Class B	37,900	24,665
Inspur Electronic Information Industry Company, Ltd., Class A	3,248	18,214
iQIYI, Inc., ADR (A)(B)	4,500	104,355
JD.com, Inc., ADR (A)	26,300	1,582,734
Jiangsu Expressway Company, Ltd., H Shares	41,145	48,359

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Jiangsu Hengli Hydraulic Company, Ltd., Class A	2,000	\$ 22,794
Jiangsu Hengrui Medicine Company, Ltd., Class A	11,832	154,633
Jiangsu King's Luck Brewery JSC, Ltd., Class A	2,800	15,818
Jiangsu Yanghe Brewery Joint-Stock Company, Ltd., Class A	3,400	50,747
Jiangxi Copper Company, Ltd., H Shares	54,075	55,097
JOYY, Inc., ADR (A)	2,600	230,230
Kaisa Group Holdings, Ltd. (A)	49,000	18,656
Kingdee International Software Group Company, Ltd. (A)	70,000	163,792
Kingsoft Corp., Ltd.	29,000	135,837
Kweichow Moutai Company, Ltd., Class A	2,800	581,470
KWG Group Holdings, Ltd. (A)	45,000	76,458
Legend Holdings Corp., H Shares (C)	13,600	15,949
Lenovo Group, Ltd.	257,436	143,634
Lens Technology Company, Ltd., Class A	7,300	29,106
Lepu Medical Technology Beijing Company, Ltd., Class A	4,000	20,667
Li Ning Company, Ltd.	70,500	225,772
Lingyi iTech Guangdong Company, Class A (A)	12,700	19,231
Logan Group Company, Ltd.	48,000	85,758
Longfor Group Holdings, Ltd. (C)	64,100	306,836
LONGi Green Energy Technology Company, Ltd., Class A	8,100	46,855
Luxshare Precision Industry Company, Ltd., Class A	15,495	113,290
Luye Pharma Group, Ltd. (B)(C)	23,000	14,141
Luzhou Laojiao Company, Ltd., Class A	3,300	42,700
Mango Excellent Media Company, Ltd., Class A (A)	3,300	30,554
Meinian Onehealth Healthcare Holdings Company, Ltd., Class A	8,300	16,976
Meituan Dianping, Class B (A)	123,800	2,766,481
Metallurgical Corp. of China, Ltd., A Shares	28,700	10,231
Momo, Inc., ADR	5,200	90,896
Muyuan Foodstuff Company, Ltd., Class A	6,630	77,123
NARI Technology Company, Ltd., Class A	10,300	29,682
NetEase, Inc., ADR	2,500	1,073,450
New China Life Insurance Company, Ltd., Class A	4,600	28,920
New China Life Insurance Company, Ltd., H Shares	29,500	99,484
New Hope Liuhe Company, Ltd., Class A	6,800	28,784
New Oriental Education & Technology Group, Inc., ADR (A)	5,100	664,173
NIO, Inc., ADR (A)(B)	13,200	101,904
Noah Holdings, Ltd., ADR (A)	1,000	25,470
Orient Securities Company, Ltd., Class A	9,600	12,930
Perfect World Company, Ltd., Class A (A)	2,900	23,740
PetroChina Company, Ltd., Class A	36,000	21,387
PetroChina Company, Ltd., H Shares	848,261	283,651
PICC Property & Casualty Company, Ltd., H Shares	252,363	209,730
Pinduoduo, Inc., ADR (A)	9,000	772,560
Ping An Bank Company, Ltd., Class A	38,200	69,392
Ping An Insurance Group Company of China, Ltd., Class A	24,100	243,916
Ping An Insurance Group Company of China, Ltd., H Shares	198,790	1,981,736

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Poly Developments and Holdings Group Company, Ltd., Class A	26,500	\$ 55,558
Postal Savings Bank of China Company, Ltd., H Shares (C)	285,000	164,223
Power Construction Corp. of China, Ltd., Class A	20,500	10,072
Rongsheng Petro Chemical Company, Ltd., Class A	9,300	16,248
SAIC Motor Corp., Ltd., Class A	17,300	41,746
Sanan Optoelectronics Company, Ltd., Class A	6,600	23,451
Sangfor Technologies, Inc., Class A	700	20,473
Sany Heavy Industry Company, Ltd., Class A	18,600	49,612
SDIC Capital Company, Ltd., Class A	7,800	14,108
SDIC Power Holdings Company, Ltd., Class A	10,900	12,148
Seazen Group, Ltd. (A)	64,000	55,573
Seazen Holdings Company, Ltd., Class A (A)	5,000	22,179
Semiconductor Manufacturing International Corp. (A)	105,400	369,738
SF Holding Company, Ltd., Class A	3,600	27,887
Shaanxi Coal Industry Company, Ltd., Class A	13,400	13,722
Shandong Gold Mining Company, Ltd., Class A	4,200	22,071
Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	80,000	178,628
Shanghai Electric Group Company, Ltd., H Shares (A)	144,864	41,313
Shanghai Fosun Pharmaceutical Group Company, Ltd., Class A	3,200	15,295
Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares	17,500	58,670
Shanghai International Airport Company, Ltd., Class A	1,600	16,337
Shanghai International Port Group Company, Ltd., Class A (A)	13,700	8,151
Shanghai Lujiazui Finance & Trade Zone Development Company, Ltd., B Shares	39,240	30,495
Shanghai M&G Stationery, Inc., Class A	2,000	15,483
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	31,100	52,267
Shanghai Pudong Development Bank Company, Ltd., Class A (A)	65,300	97,882
Shanxi Xinghuacun Fen Wine Factory Company, Ltd., Class A	1,400	28,762
Shengyi Technology Company, Ltd., Class A	5,100	21,269
Shennan Circuits Company, Ltd., Class A	1,120	26,706
Shenwan Hongyuan Group Company, Ltd., Class A (A)	36,200	25,932
Shenzhen Goodix Technology Company, Ltd., Class A	800	25,362
Shenzhen Inovance Technology Company, Ltd., Class A	3,700	19,948
Shenzhen Kangtai Biological Products Company, Ltd., Class A	1,400	32,104
Shenzhen Mindray Bio-Medical Electronics Company, Ltd., Class A	700	30,252
Shenzhen Overseas Chinese Town Company, Ltd., Class A	13,200	11,359
Shenzhen Sunway Communication Company, Ltd., Class A	2,200	16,604

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Shenzhou International Group Holdings, Ltd.	27,000	\$ 328,245
Shui On Land, Ltd.	73,000	12,308
Sichuan Chuantou Energy Company, Ltd., Class A	9,800	12,870
Silergy Corp.	3,000	196,525
SINA Corp. (A)	2,300	82,593
Sino-Ocean Group Holding, Ltd.	177,213	42,649
Sinopec Engineering Group Company, Ltd., H Shares	47,000	20,181
Sinopec Shanghai Petrochemical Company, Ltd., H Shares	119,901	28,871
Sinopharm Group Company, Ltd., H Shares	42,800	110,037
Sinotruk Hong Kong, Ltd.	24,500	63,939
SOHO China, Ltd. (A)	140,000	49,458
Songcheng Performance Development Company, Ltd., Class A	5,760	14,146
Spring Airlines Company, Ltd., Class A (A)	2,000	10,033
Sunac China Holdings, Ltd.	87,000	368,183
Suning.com Company, Ltd., Class A	20,700	25,758
Sunny Optical Technology Group Company, Ltd.	25,400	408,800
TAL Education Group, ADR (A)	13,700	936,806
TCL Technology Group Corp., Class A	21,800	19,211
Tencent Holdings, Ltd.	199,500	12,783,544
Tencent Music Entertainment Group, ADR (A)	3,200	43,072
The People's Insurance Company Group of China, Ltd., H Shares	265,000	77,711
Tingyi Cayman Islands Holding Corp.	76,000	118,390
Tongwei Company, Ltd., Class A	6,200	15,312
TravelSky Technology, Ltd., H Shares	31,000	54,887
Trip.com Group, Ltd., ADR (A)	18,700	484,704
Tsingtao Brewery Company, Ltd., H Shares	12,000	89,558
Uni-President China Holdings, Ltd.	46,000	46,014
Uniplendour Corp., Ltd., Class A (A)	3,800	23,242
Vipshop Holdings, Ltd., ADR (A)	15,300	304,623
Walvax Biotechnology Company, Ltd., Class A	3,400	25,162
Wanhua Chemical Group Company, Ltd., Class A	7,000	49,654
Want Want China Holdings, Ltd.	218,000	165,595
Weibo Corp., ADR (A)(B)	1,890	63,504
Weichai Power Company, Ltd., Class A	9,600	18,688
Weichai Power Company, Ltd., H Shares	78,720	148,319
Wens Foodstuffs Group Company, Ltd., Class A	14,160	43,804
Will Semiconductor, Ltd., Class A	1,300	37,413
Wuhu Sanqi Interactive Entertainment Network Technology Group Company, Ltd., Class A	4,700	31,201
Wuliangye Yibin Company, Ltd., Class A	8,600	208,954
WUS Printed Circuit Kunshan Company, Ltd., Class A	3,800	13,490
WuXi AppTec Company, Ltd., Class A	4,620	63,106
WuXi AppTec Company, Ltd., H Shares (C)	15,641	204,264
Wuxi Biologics Cayman, Inc. (A)(C)	31,500	578,202
Xiaomi Corp., Class B (A)(C)	279,200	463,961
Xinjiang Goldwind Science & Technology Company, Ltd., A Shares	7,700	10,916

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Xinjiang Goldwind Science & Technology Company, Ltd., H Shares	22,200	\$ 19,102
Xinyi Solar Holdings, Ltd.	165,352	159,008
Yangzijiang Shipbuilding Holdings, Ltd.	99,600	67,050
Yanzhou Coal Mining Company, Ltd., H Shares (B)	85,990	64,762
Yihai International Holding, Ltd. (A)	22,000	226,711
Yonghui Superstores Company, Ltd., Class A	10,200	13,560
Yonyou Network Technology Company, Ltd., Class A	5,200	32,574
Yum China Holdings, Inc.	12,700	610,489
Yunda Holding Company, Ltd., Class A	3,120	10,835
Yunnan Baiyao Group Company, Ltd., Class A	2,800	37,248
Yuzhou Properties Company, Ltd.	37,586	16,375
Zhangzhou Pientzhuang Pharmaceutical Company, Ltd., Class A	1,000	24,152
Zhaojin Mining Industry Company, Ltd., H Shares	37,500	44,540
Zhejiang Chint Electrics Company, Ltd., Class A	4,800	17,943
Zhejiang Dahua Technology Company, Ltd., Class A	4,800	13,116
Zhejiang Expressway Company, Ltd., H Shares	49,718	35,308
Zhejiang Longsheng Group Company, Ltd., Class A (A)	7,200	13,078
Zhejiang NHU Company, Ltd., Class A	4,800	19,820
Zhejiang Sanhua Intelligent Controls Company, Ltd., Class A	8,060	25,079
Zhejiang Supor Company, Ltd., Class A	1,200	12,087
ZhongAn Online P&C Insurance Company, Ltd., H Shares (A)(C)	5,900	29,430
Zhongsheng Group Holdings, Ltd.	20,000	111,855
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	18,000	46,159
Zijin Mining Group Company, Ltd., Class A	27,800	17,534
Zijin Mining Group Company, Ltd., H Shares	285,469	134,863
Zoomlion Heavy Industry Science and Technology Company, Ltd., Class A	14,300	13,061
ZTE Corp., Class A (A)	7,600	43,284
ZTE Corp., H Shares	25,887	79,900
ZTO Express Cayman, Inc., ADR	11,400	418,494
		71,756,199
Colombia - 0.0%		
Bancolombia SA, ADR	3,447	90,691
Ecopetrol SA, ADR (B)	8,500	94,605
		185,296
Czech Republic - 0.0%		
CEZ AS	6,817	145,967
Komerční banka AS (A)	3,440	80,244
Moneta Money Bank AS (C)	22,079	50,006
		276,217
Denmark - 1.5%		
A.P. Moller - Maersk A/S, Series A	150	164,018
A.P. Moller - Maersk A/S, Series B (B)	245	287,142
Ambu A/S, Class B	5,684	179,684
Carlsberg A/S, Class B	4,239	562,126
Chr. Hansen Holding A/S (B)	4,322	445,795
Coloplast A/S, B Shares	4,136	644,670
Danske Bank A/S (A)	26,235	350,721

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Denmark (continued)		
Demant A/S (A)	5,000	\$ 132,506
DSV Panalpina A/S	7,363	904,434
Genmab A/S (A)	2,265	763,742
GN Store Nord A/S	4,458	238,639
H Lundbeck A/S	2,300	86,904
Novo Nordisk A/S, B Shares	61,599	4,013,035
Novozymes A/S, B Shares	8,505	493,085
Orsted A/S (C)	6,586	761,268
Pandora A/S	4,042	220,752
Tryg A/S	4,500	130,744
Vestas Wind Systems A/S (B)	7,479	765,871
		11,145,136
Egypt - 0.0%		
Commercial International Bank Egypt SAE	51,581	207,545
Finland - 0.8%		
Elisa OYJ	5,862	356,710
Fortum OYJ (B)	16,798	320,473
Kone OYJ, B Shares (B)	11,833	816,111
Metso OYJ	4,686	153,998
Neste OYJ (B)	16,732	657,164
Nokia OYJ (B)	140,582	614,322
Nokia OYJ (Euronext Paris Exchange)	56,247	245,207
Nordea Bank ABP	1,569	10,851
Nordea Bank ABP (Nasdaq Stockholm Exchange)	113,451	786,817
Orion OYJ, Class B (B)	3,379	163,862
Sampo OYJ, A Shares	17,454	601,633
Stora Enso OYJ, R Shares (B)	20,482	245,155
UPM-Kymmene OYJ	19,972	578,480
Wartsila OYJ ABP (B)	15,222	126,267
		5,677,050
France - 7.0%		
Accor SA (A)	7,381	201,439
Aéroports de Paris	1,190	122,856
Air Liquide SA	16,847	2,435,843
Airbus SE (A)	20,795	1,490,034
Alstom SA	6,477	301,833
Amundi SA (A)(C)	2,415	189,851
Arkema SA	2,540	244,154
Atos SE (A)	3,698	317,040
AXA SA	70,994	1,493,915
BioMerieux	1,782	244,729
BNP Paribas SA (A)	39,973	1,597,074
Bolloré SA	32,561	102,742
Bouygues SA (A)	8,158	279,447
Bureau Veritas SA (A)	10,297	218,393
Capgemini SE	5,840	673,942
Carrefour SA (B)	23,837	369,664
Casino Guichard Perrachon SA (A)(B)	2,522	93,435
Cie de Saint-Gobain (A)	18,075	652,160
Cie Generale des Etablissements Michelin SCA (B)	5,963	621,539
CNP Assurances (A)	6,491	75,285
Covivio	2,169	157,325
Credit Agricole SA (A)	43,230	410,497
Danone SA	22,689	1,574,908
Dassault Aviation SA (A)(B)	98	89,914
Dassault Systemes SE	4,830	838,450
Edenred	8,562	375,512
Eiffage SA (A)	3,075	281,874
Electricite de France SA	23,423	217,764
Engie SA	67,111	832,302
EssilorLuxottica SA (A)	10,415	1,339,451
Eurazeo SE (A)	1,144	58,785

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Faurecia SE (A)	2,970	\$ 116,687
Gecina SA	1,814	224,041
Getlink SE (A)	18,178	262,866
Hermes International	1,164	977,299
ICADE	1,225	85,539
Iliad SA	724	141,331
Ingenico Group SA (A)	2,422	389,151
Ipsen SA	1,496	126,907
JCDecaux SA (A)	2,889	53,967
Kering SA	2,784	1,522,059
Klepierre SA	8,046	160,829
La Francaise des Jeux SAEM (B)(C)	2,992	92,477
Legrand SA	9,814	745,689
L'Oreal SA (B)	8,949	2,888,247
LVMH Moet Hennessy Louis Vuitton SE	9,670	4,269,239
Natixis SA (A)	35,715	94,199
Orange SA	73,305	876,575
Orpea	1,800	207,905
Pernod Ricard SA	7,802	1,228,547
Peugeot SA (A)	21,593	354,105
Publicis Groupe SA	8,370	271,898
Remy Cointreau SA (B)	922	125,784
Renault SA (A)	7,048	180,383
Safran SA (A)	12,026	1,209,705
Sanofi	39,285	4,006,449
Sartorius Stedim Biotech	1,192	302,215
Schneider Electric SE	19,045	2,118,493
Schneider Electric SE (Euronext London Exchange)	623	69,217
SCOR SE (A)	6,432	177,640
SEB SA	927	153,770
Societe Generale SA (A)	30,012	501,789
Sodexo SA	3,211	217,730
Suez SA	11,179	131,393
Teleperformance	2,217	564,627
Thales SA	4,046	327,463
TOTAL SA (B)	85,718	3,305,135
Ubisoft Entertainment SA (A)(B)	3,042	251,908
Unibail-Rodamco-Westfield	3,595	202,638
Unibail-Rodamco-Westfield, CHESS Depository Interest	27,093	77,214
Valeo SA	9,342	246,397
Veolia Environnement SA	20,459	461,986
Vinci SA	18,767	1,740,130
Vivendi SA	31,379	810,820
Wendel SE	1,176	112,234
Worldline SA (A)(B)(C)	2,944	256,685
		50,543,519
Germany - 5.6%		
adidas AG (A)	6,334	1,669,963
Allianz SE	14,713	3,006,476
BASF SE	32,288	1,813,587
Bayer AG	34,135	2,530,196
Bayerische Motoren Werke AG	12,119	773,682
Beiersdorf AG	3,796	431,657
Brenntag AG	5,855	310,431
Carl Zeiss Meditec AG, Bearer Shares	1,435	139,729
Commerzbank AG (A)	37,723	168,125
Continental AG	4,355	428,144
Covestro AG (C)	7,081	269,702
Daimler AG	29,795	1,212,170
Delivery Hero SE (A)(C)	3,834	394,008
Deutsche Bank AG (A)	73,967	705,649
Deutsche Boerse AG	6,955	1,258,687
Deutsche Lufthansa AG (A)(B)	9,032	90,613

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
Deutsche Post AG	36,209	\$ 1,329,584
Deutsche Telekom AG	117,221	1,966,870
Deutsche Wohnen SE	12,352	555,042
E.ON SE	78,119	881,778
Evonik Industries AG	6,743	171,744
Fraport AG Frankfurt Airport Services Worldwide (A)	1,636	71,665
Fresenius Medical Care AG & Company KGaA	7,798	670,858
Fresenius SE & Company KGaA	15,294	760,152
GEA Group AG	7,004	222,294
Hannover Rueck SE	2,322	401,296
HeidelbergCement AG	5,549	297,046
Henkel AG & Company KGaA	3,884	324,935
HOCHTIEF AG	894	79,547
Infineon Technologies AG	45,763	1,072,322
KION Group AG	2,424	149,245
Knorr-Bremse AG	2,071	210,176
LANXESS AG	3,216	170,066
LEG Immobilien AG	2,402	304,658
Merck KGaA	4,441	517,143
METRO AG	6,304	59,826
MTU Aero Engines AG	2,072	360,735
Muenchener Rueckversicherungs-Gesellschaft AG	5,283	1,375,660
Nemetschek SE	2,010	138,111
Puma SE (A)	3,000	232,604
RWE AG	21,604	756,289
SAP SE	36,353	5,081,744
Scout24 AG (C)	3,746	289,818
Siemens AG (B)	26,971	3,180,869
Siemens Healthineers AG (C)	5,866	281,966
Symrise AG	4,417	516,109
TeamViewer AG (A)(C)	4,526	246,616
Telefonica Deutschland Holding AG	32,281	95,202
thyssenkrupp AG (A)	16,095	114,826
Uniper SE	7,281	234,950
United Internet AG	4,503	191,318
Volkswagen AG	1,264	204,082
Vonovia SE	17,981	1,099,049
Zalando SE (A)(C)	5,780	410,034
		40,229,048
Greece - 0.0%		
FF Group (A)(E)	1,869	3,150
Hellenic Telecommunications Organization SA	8,503	114,858
JUMBO SA	5,651	101,778
OPAP SA	9,294	88,570
		308,356
Hong Kong - 3.2%		
AIA Group, Ltd.	432,000	4,042,485
Alibaba Health Information Technology, Ltd. (A)	122,000	358,763
Alibaba Pictures Group, Ltd. (A)	500,000	66,938
ASM Pacific Technology, Ltd.	10,700	113,078
Beijing Enterprises Holdings, Ltd.	19,786	66,443
Beijing Enterprises Water Group, Ltd. (A)	198,000	77,699
BOC Hong Kong Holdings, Ltd.	132,328	423,700
Bosideng International Holdings, Ltd.	168,000	52,309
Brilliance China Automotive Holdings, Ltd.	108,000	97,749
Budweiser Brewing Company APAC, Ltd. (B)(C)	42,500	124,416
China Education Group Holdings, Ltd.	12,000	19,352
China Everbright International, Ltd.	117,851	62,529

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
China Everbright, Ltd.	32,216	\$ 46,935
China Gas Holdings, Ltd.	74,000	229,242
China Jinmao Holdings Group, Ltd.	224,000	159,412
China Mengniu Dairy Company, Ltd. (A)	111,004	425,654
China Merchants Port Holdings Company, Ltd.	44,745	53,074
China Mobile, Ltd.	218,030	1,472,152
China Overseas Land & Investment, Ltd.	142,882	436,281
China Power International Development, Ltd.	88,000	16,196
China Resources Beer Holdings Company, Ltd.	59,979	334,803
China Resources Cement Holdings, Ltd.	88,000	108,533
China Resources Gas Group, Ltd.	36,000	176,141
China Resources Land, Ltd.	110,964	424,126
China Resources Power Holdings Company, Ltd.	68,244	80,500
China State Construction International Holdings, Ltd.	71,250	41,859
China Taiping Insurance Holdings Company, Ltd.	60,500	97,731
China Traditional Chinese Medicine Holdings Company, Ltd.	80,000	38,700
China Unicom Hong Kong, Ltd.	215,982	117,515
CITIC, Ltd.	207,967	196,380
CK Asset Holdings, Ltd.	92,165	552,695
CK Hutchison Holdings, Ltd.	96,663	625,950
CK Infrastructure Holdings, Ltd.	24,772	128,053
CLP Holdings, Ltd.	58,900	578,471
COSCO SHIPPING Ports, Ltd.	97,757	52,730
Dairy Farm International Holdings, Ltd.	12,000	56,072
Far East Horizon, Ltd.	89,000	75,977
Galaxy Entertainment Group, Ltd.	77,000	528,201
Geely Automobile Holdings, Ltd.	179,000	284,387
Guangdong Investment, Ltd.	123,220	212,541
Haier Electronics Group Company, Ltd.	45,000	137,002
Hang Lung Properties, Ltd.	74,326	176,694
Hang Seng Bank, Ltd. (B)	27,319	460,114
Henderson Land Development Company, Ltd.	55,324	210,989
HK Electric Investments & HK Electric Investments, Ltd.	88,500	91,924
HKT Trust & HKT, Ltd.	145,233	213,125
Hong Kong & China Gas Company, Ltd.	381,278	592,570
Hong Kong Exchanges & Clearing, Ltd.	43,414	1,849,077
Hongkong Land Holdings, Ltd.	44,100	183,435
Hutchison China MediTech, Ltd., ADR (A)	1,900	52,402
Jardine Matheson Holdings, Ltd.	8,900	372,116
Jardine Strategic Holdings, Ltd.	8,100	174,726
Kerry Properties, Ltd.	21,438	55,688
Kingboard Holdings, Ltd.	22,500	58,730
Kingboard Laminates Holdings, Ltd.	21,500	21,728
Kunlun Energy Company, Ltd.	118,000	77,281
Lee & Man Paper Manufacturing, Ltd.	56,000	30,438
Link REIT (B)	74,944	615,303
Melco Resorts & Entertainment, Ltd., ADR	9,485	147,207
MTR Corp., Ltd. (B)	62,605	325,593
New World Development Company, Ltd.	57,618	273,575
Nine Dragons Paper Holdings, Ltd.	81,000	74,058
NWS Holdings, Ltd.	58,117	50,553
PCCW, Ltd.	181,876	103,990
Power Assets Holdings, Ltd.	56,082	306,436
Shanghai Industrial Holdings, Ltd.	33,930	52,408
Shenzhen International Holdings, Ltd.	35,084	56,161
Shenzhen Investment, Ltd.	118,638	37,770

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Shimao Group Holdings, Ltd.	51,000	\$ 218,039
Sino Biopharmaceutical, Ltd.	249,000	469,314
Sino Land Company, Ltd.	122,951	155,558
SJM Holdings, Ltd.	83,000	93,054
SSY Group, Ltd.	54,000	36,996
Sun Art Retail Group, Ltd.	86,000	147,544
Sun Hung Kai Properties, Ltd.	45,630	582,934
Swire Pacific, Ltd., Class A (B)	18,163	96,532
Swire Properties, Ltd.	43,628	111,390
Techtronic Industries Company, Ltd.	55,500	549,148
The Bank of East Asia, Ltd.	59,561	136,531
The Wharf Holdings, Ltd. (B)	46,876	95,916
WH Group, Ltd. (C)	387,803	335,137
Wharf Real Estate Investment Company, Ltd. (B)	46,876	225,033
Wheelock & Company, Ltd.	29,000	233,276
Yuexiu Property Company, Ltd.	244,000	43,765
		23,387,032
Hungary - 0.1%		
MOL Hungarian Oil & Gas PLC	12,392	73,263
OTP Bank NYRT (A)	7,225	253,997
Richter Gedeon NYRT	4,794	99,474
		426,734
India - 2.1%		
Adani Ports & Special Economic Zone, Ltd.	28,084	128,430
Ambuja Cements, Ltd.	22,913	58,804
Asian Paints, Ltd.	10,113	226,038
Aurobindo Pharma, Ltd.	9,153	93,416
Avenue Supermarts, Ltd. (A)(C)	4,471	137,089
Axis Bank, Ltd.	80,176	434,427
Bajaj Auto, Ltd.	2,923	109,654
Bajaj Finance, Ltd.	5,420	203,783
Bajaj Finserv, Ltd.	1,261	97,519
Bharat Forge, Ltd.	9,316	39,222
Bharat Petroleum Corp., Ltd.	27,177	134,670
Bharti Airtel, Ltd. (A)	73,383	545,403
Bharti Infratel, Ltd.	15,904	46,694
Bosch, Ltd.	253	38,193
Britannia Industries, Ltd.	2,012	96,227
Cipla, Ltd.	12,134	102,975
Coal India, Ltd.	24,417	43,231
Dabur India, Ltd.	17,709	109,625
Divi's Laboratories, Ltd.	2,856	86,190
Dr. Reddy's Laboratories, Ltd., ADR	3,359	178,061
Eicher Motors, Ltd.	425	103,116
GAIL India, Ltd., GDR	9,954	78,628
Godrej Consumer Products, Ltd.	11,997	110,044
Grasim Industries, Ltd.	10,574	86,487
Havells India, Ltd.	11,177	85,830
HCL Technologies, Ltd.	37,954	280,173
Hero MotoCorp, Ltd.	4,200	142,162
Hindalco Industries, Ltd.	41,886	82,670
Hindustan Petroleum Corp., Ltd.	20,412	58,862
Hindustan Unilever, Ltd.	25,024	722,468
Housing Development Finance Corp., Ltd.	57,256	1,336,142
ICICI Bank, Ltd.	82,343	384,496
ICICI Bank, Ltd., ADR	47,107	437,624
ICICI Lombard General Insurance Company, Ltd. (C)	4,861	81,814
Indian Oil Corp., Ltd.	38,494	43,750
Infosys, Ltd., ADR	133,708	1,291,619
ITC, Ltd. (A)	113,026	292,743
JSW Steel, Ltd.	33,031	83,544
Jubilant Foodworks, Ltd.	2,527	57,874

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Larsen & Toubro, Ltd.	16,660	\$ 209,382
LIC Housing Finance, Ltd.	9,991	35,161
Lupin, Ltd.	7,740	93,338
Mahindra & Mahindra, Ltd., GDR	23,120	153,449
Marico, Ltd.	14,917	69,708
Maruti Suzuki India, Ltd.	3,626	280,297
Motherson Sumi Systems, Ltd.	37,306	46,869
Nestle India, Ltd.	776	175,944
NTPC, Ltd.	66,405	84,043
Oil & Natural Gas Corp., Ltd.	90,136	98,053
Page Industries, Ltd.	194	51,006
Petronet LNG, Ltd.	21,320	73,542
Pidilite Industries, Ltd.	4,359	79,262
Piramal Enterprises, Ltd.	3,012	54,140
Power Grid Corp. of India, Ltd.	55,842	129,482
REC, Ltd.	22,831	32,765
Reliance Capital, Ltd., GDR (A)(C)	4,327	714
Reliance Industries, Ltd.	7,646	174,266
Reliance Industries, Ltd., GDR (C)	45,832	2,118,438
Shree Cement, Ltd.	276	84,342
Shriram Transport Finance Company, Ltd.	4,949	45,256
State Bank of India, GDR (A)	5,224	122,648
Sun Pharmaceutical Industries, Ltd.	29,344	184,188
Tata Consultancy Services, Ltd.	34,423	948,900
Tata Consumer Products, Ltd.	15,079	77,550
Tata Motors, Ltd., ADR (A)(B)	8,581	56,377
Tata Steel, Ltd., GDR	11,000	46,315
Tech Mahindra, Ltd.	18,378	132,281
Titan Company, Ltd.	10,263	129,550
Torrent Pharmaceuticals, Ltd.	1,767	55,511
UltraTech Cement, Ltd.	2,054	106,100
UltraTech Cement, Ltd., GDR	1,026	52,908
United Spirits, Ltd. (A)	10,125	79,253
UPL, Ltd. (A)	15,099	85,504
Vedanta, Ltd., ADR	13,934	78,170
Wipro, Ltd., ADR	30,298	100,286
Zee Entertainment Enterprises, Ltd.	20,071	45,649
		15,060,344
Indonesia - 0.4%		
Adaro Energy Tbk PT	315,000	22,161
Astra International Tbk PT	679,000	229,663
Bank Central Asia Tbk PT	360,900	722,089
Bank Mandiri Persero Tbk PT	715,674	248,504
Bank Negara Indonesia Persero Tbk PT	276,500	89,338
Bank Rakyat Indonesia Persero Tbk PT	1,930,000	411,945
Charoen Pokphand Indonesia Tbk PT (A)	276,000	108,224
Gudang Garam Tbk PT	26,000	86,096
Hanjaya Mandala Sampoerna Tbk PT	362,500	42,087
Indah Kiat Pulp & Paper Corp. Tbk PT	97,300	41,048
Indocement Tungal Prakarsa Tbk PT (A)	53,500	44,411
Indofood CBP Sukses Makmur Tbk PT (A)	114,400	75,080
Indofood Sukses Makmur Tbk PT (A)	147,500	67,732
Kalbe Farma Tbk PT	855,000	87,713
Perusahaan Gas Negara Tbk PT	480,500	38,515
Semen Indonesia Persero Tbk PT	111,000	75,205
Telekomunikasi Indonesia Persero Tbk PT	1,600,100	342,761
Telekomunikasi Indonesia Persero Tbk PT, ADR (B)	358	7,833
Unilever Indonesia Tbk PT	332,500	184,512
United Tractors Tbk PT	55,279	64,324
		2,989,241
Ireland - 0.7%		
AerCap Holdings NV (A)	5,178	159,482
CRH PLC	27,337	940,942
DCC PLC	3,819	318,670

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Ireland (continued)		
Experian PLC	33,477	\$ 1,175,001
Flutter Entertainment PLC	2,746	362,537
Flutter Entertainment PLC (London Stock Exchange)	1,689	221,425
James Hardie Industries PLC, CHESS Depository Interest	15,679	302,112
Kerry Group PLC, Class A (London Stock Exchange)	5,738	709,635
Kingspan Group PLC	5,492	350,665
Smurfit Kappa Group PLC	8,017	265,735
		4,806,204
Isle of Man - 0.0%		
GVC Holdings PLC	22,751	208,533
Israel - 0.4%		
Azrieli Group, Ltd.	1,424	64,901
Bank Hapoalim BM	35,772	213,851
Bank Leumi Le-Israel BM	54,437	273,705
Check Point Software Technologies, Ltd. (A)	4,016	431,439
CyberArk Software, Ltd. (A)	1,300	129,051
Elbit Systems, Ltd.	787	108,152
ICL Group, Ltd.	16,931	50,432
Israel Discount Bank, Ltd., Class A	41,515	126,620
Mizrahi Tefahot Bank, Ltd.	5,543	104,154
Nice, Ltd. (A)	1,954	368,333
Teva Pharmaceutical Industries, Ltd. (A)	33,126	404,941
Wix.com, Ltd. (A)	1,600	409,952
		2,685,531
Italy - 1.4%		
Assicurazioni Generali SpA	42,969	652,708
Atlantia SpA (A)	19,839	320,901
Davide Campari-Milano SpA (B)	20,278	171,489
DiaSorin SpA	876	168,231
Enel SpA	290,158	2,509,404
Eni SpA	89,209	855,155
Ferrari NV	4,799	822,043
FinecoBank Banca Fineco SpA (A)	25,319	342,668
Infrastrutture Wireless Italiane SpA (C)	8,355	83,869
Intesa Sanpaolo SpA (A)	521,919	1,002,962
Leonardo SpA	15,427	102,841
Mediobanca Banca di Credito Finanziario SpA	22,013	158,962
Moncler SpA (A)	6,366	244,794
Nexi SpA (A)(C)	10,927	189,479
Pirelli & C. SpA (A)(B)(C)	14,232	60,548
Poste Italiane SpA (C)	21,903	191,327
Prysmian SpA	8,366	194,076
Recordati SpA	4,564	228,375
Snam SpA	82,226	400,863
Telecom Italia SpA	387,741	152,899
Telecom Italia SpA, Savings Shares	233,394	90,837
Terna Rete Elettrica Nazionale SpA	57,217	394,656
UniCredit SpA (A)	78,343	723,041
		10,062,128
Japan - 16.7%		
ABC-Mart, Inc.	1,400	82,129
Acom Company, Ltd.	18,200	69,648
Advantest Corp.	7,300	416,615
Aeon Company, Ltd.	24,200	563,001
Aeon Mall Company, Ltd.	3,300	43,853
AGC, Inc.	6,500	186,352
Air Water, Inc.	5,000	70,645
Aisin Seiki Company, Ltd.	6,200	181,734
Ajinomoto Company, Inc.	16,300	270,498

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Alfresa Holdings Corp.	6,700	\$ 140,441
Amada Company, Ltd.	12,000	98,254
ANA Holdings, Inc. (A)	4,100	93,697
Aozora Bank, Ltd. (B)	3,900	68,005
Asahi Group Holdings, Ltd. (B)	13,400	470,638
Asahi Intecc Company, Ltd.	7,000	199,782
Asahi Kasei Corp.	46,400	379,821
Astellas Pharma, Inc.	67,200	1,122,211
Bandai Namco Holdings, Inc.	7,499	394,733
Benesse Holdings, Inc.	2,400	64,367
Bridgestone Corp. (B)	20,300	655,192
Brother Industries, Ltd.	8,700	157,184
Calbee, Inc.	2,900	80,155
Canon, Inc. (B)	35,600	710,150
Casio Computer Company, Ltd.	6,700	116,886
Central Japan Railway Company	5,100	788,757
Chubu Electric Power Company, Inc.	22,000	275,923
Chugai Pharmaceutical Company, Ltd.	24,000	1,284,960
Coca-Cola Bottlers Japan Holdings, Inc.	4,700	85,242
Concordia Financial Group, Ltd.	39,100	125,709
Cosmos Pharmaceutical Corp.	300	46,030
CyberAgent, Inc.	3,600	176,953
Dai Nippon Printing Company, Ltd.	9,800	225,306
Daicel Corp.	10,034	77,767
Daifuku Company, Ltd.	4,000	350,528
Dai-ichi Life Holdings, Inc.	39,900	477,603
Daiichi Sankyo Company, Ltd.	20,100	1,644,011
Daikin Industries, Ltd.	8,800	1,423,840
Daito Trust Construction Company, Ltd.	2,600	239,620
Daiwa House Industry Company, Ltd.	20,700	488,828
Daiwa House REIT Investment Corp.	78	183,503
Daiwa Securities Group, Inc.	54,400	228,529
Denso Corp.	16,000	627,473
Dentsu Group, Inc. (B)	8,400	199,262
Disco Corp.	1,000	243,889
East Japan Railway Company	10,800	748,389
Eisai Company, Ltd.	9,200	730,930
Electric Power Development Company, Ltd.	5,200	98,574
ENEOS Holdings, Inc.	109,211	389,290
FamilyMart Company, Ltd.	8,800	151,078
FANUC Corp.	6,900	1,236,963
Fast Retailing Company, Ltd.	2,100	1,207,021
Fuji Electric Company, Ltd.	4,600	126,610
FUJIFILM Holdings Corp.	13,300	569,263
Fujitsu, Ltd.	7,000	819,583
Fukuoka Financial Group, Inc.	5,800	91,703
GLP J-REIT (A)	127	183,521
GMO Payment Gateway, Inc.	1,500	156,890
Hakuhodo DY Holdings, Inc.	9,300	110,995
Hamamatsu Photonics KK	5,400	235,142
Hankyu Hanshin Holdings, Inc.	8,400	283,737
Hikari Tsushin, Inc.	800	182,919
Hino Motors, Ltd.	10,000	67,846
Hirose Electric Company, Ltd.	1,223	134,295
Hisamitsu Pharmaceutical Company, Inc.	2,000	108,112
Hitachi Construction Machinery Company, Ltd.	4,100	113,894
Hitachi Metals, Ltd.	9,000	107,873
Hitachi, Ltd.	34,600	1,099,755
Honda Motor Company, Ltd.	58,500	1,497,230
Hoshizaki Corp.	1,900	162,850
Hoya Corp.	13,500	1,292,746
Hulic Company, Ltd. (B)	10,700	101,019
Idemitsu Kosan Company, Ltd.	7,206	153,791

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Iida Group Holdings Company, Ltd.	5,000	\$ 76,842
Inpex Corp.	36,700	229,164
Isetan Mitsukoshi Holdings, Ltd.	12,219	70,320
Isuzu Motors, Ltd.	21,600	196,287
Ito En, Ltd.	1,900	107,253
ITOCHU Corp.	47,500	1,027,797
Itochu Techno-Solutions Corp.	3,400	127,863
Japan Airlines Company, Ltd.	4,000	72,182
Japan Airport Terminal Company, Ltd. (B)	1,500	64,008
Japan Exchange Group, Inc.	18,100	419,195
Japan Post Bank Company, Ltd.	14,000	104,121
Japan Post Holdings Company, Ltd.	58,300	416,068
Japan Post Insurance Company, Ltd.	8,300	109,364
Japan Prime Realty Investment Corp. (B)	28	82,141
Japan Real Estate Investment Corp.	47	241,209
Japan Retail Fund Investment Corp.	93	116,322
Japan Tobacco, Inc. (B)	42,700	793,057
JFE Holdings, Inc.	18,300	132,300
JGC Holdings Corp.	7,000	73,815
JSR Corp.	6,500	126,099
JTEKT Corp.	7,300	57,000
Kajima Corp.	16,500	197,288
Kakaku.com, Inc.	5,000	127,371
Kamigumi Company, Ltd.	4,500	88,499
Kansai Paint Company, Ltd.	7,000	147,922
Kao Corp.	17,200	1,364,954
Kawasaki Heavy Industries, Ltd.	5,000	72,218
KDDI Corp.	57,400	1,712,652
Keihan Holdings Company, Ltd.	3,400	151,841
Keikyu Corp.	8,900	136,189
Keio Corp.	3,700	211,752
Keisei Electric Railway Company, Ltd.	4,800	150,434
Keyence Corp.	6,496	2,722,224
Kikkoman Corp.	5,200	251,148
Kintetsu Group Holdings Company, Ltd.	6,200	278,191
Kirin Holdings Company, Ltd. (B)	29,300	617,637
Kobayashi Pharmaceutical Company, Ltd.	1,800	158,264
Kobe Bussan Company, Ltd.	2,100	119,250
Koito Manufacturing Company, Ltd.	4,000	161,838
Komatsu, Ltd.	34,200	700,434
Konami Holdings Corp.	3,700	123,465
Kose Corp.	1,200	145,256
Kubota Corp.	36,900	551,978
Kuraray Company, Ltd.	13,300	139,181
Kurita Water Industries, Ltd.	3,500	97,363
Kyocera Corp.	11,400	622,264
Kyowa Kirin Company, Ltd.	9,473	249,374
Kyushu Electric Power Company, Inc.	16,000	134,098
Kyushu Railway Company	5,700	148,107
Lasertec Corp.	2,600	245,780
Lawson, Inc.	1,900	95,571
LINE Corp. (A)	2,600	130,856
Lion Corp.	8,000	192,413
LIXIL Group Corp.	10,300	144,656
M3, Inc.	16,300	692,442
Makita Corp.	8,700	316,371
Marubeni Corp.	57,400	260,734
Marui Group Company, Ltd.	7,600	137,479
Maruichi Steel Tube, Ltd.	2,300	57,328
Mazda Motor Corp.	20,300	122,650
McDonald's Holdings Company Japan, Ltd. (B)	2,600	140,524
Mebuki Financial Group, Inc.	29,510	68,742
Medipal Holdings Corp.	6,090	117,541
MEIJI Holdings Company, Ltd.	4,100	326,262

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Mercari, Inc. (A)	3,800	\$ 117,995
MINEBEA MITSUMI, Inc.	13,900	253,364
MISUMI Group, Inc.	10,700	268,660
Mitsubishi Chemical Holdings Corp.	46,900	273,505
Mitsubishi Corp.	47,700	1,007,983
Mitsubishi Electric Corp.	65,000	848,983
Mitsubishi Estate Company, Ltd.	43,800	652,700
Mitsubishi Gas Chemical Company, Inc.	5,814	88,428
Mitsubishi Heavy Industries, Ltd.	11,700	276,238
Mitsubishi Materials Corp.	3,900	82,350
Mitsubishi Motors Corp.	24,700	61,217
Mitsubishi UFJ Financial Group, Inc.	442,700	1,742,257
Mitsubishi UFJ Lease & Finance Company, Ltd.	17,600	83,985
Mitsui & Company, Ltd.	58,900	872,699
Mitsui Chemicals, Inc.	6,800	142,230
Mitsui Fudosan Company, Ltd.	31,400	557,812
Miura Company, Ltd.	3,100	129,178
Mizuho Financial Group, Inc.	851,600	1,047,506
MonotaRO Company, Ltd.	4,500	180,803
MS&AD Insurance Group Holdings, Inc.	17,600	484,681
Murata Manufacturing Company, Ltd.	20,300	1,196,655
Nabtesco Corp. (B)	3,900	120,694
Nagoya Railroad Company, Ltd.	6,700	188,842
NEC Corp.	8,800	422,802
Nexon Company, Ltd.	18,000	406,016
NGK Insulators, Ltd.	9,000	124,700
NGK Spark Plug Company, Ltd.	6,300	90,549
NH Foods, Ltd.	3,119	125,510
Nidec Corp.	15,800	1,064,427
Nihon M&A Center, Inc.	5,200	236,485
Nikon Corp.	12,400	104,139
Nintendo Company, Ltd.	4,000	1,788,275
Nippon Building Fund, Inc.	48	273,368
Nippon Express Company, Ltd.	2,900	150,375
Nippon Paint Holdings Company, Ltd. (B)	5,200	379,272
Nippon Prologis REIT, Inc.	66	200,550
Nippon Shinyaku Company, Ltd.	1,700	138,758
Nippon Steel Corp.	30,600	289,153
Nippon Telegraph & Telephone Corp.	45,800	1,067,115
Nippon Yusen KK	5,500	77,842
Nissan Chemical Corp.	4,600	236,665
Nissan Motor Company, Ltd.	85,000	315,218
Nisshin Seifun Group, Inc.	7,400	110,494
Nissin Foods Holdings Company, Ltd.	2,200	194,920
Nitori Holdings Company, Ltd.	2,900	568,600
Nitto Denko Corp.	5,400	306,127
Nomura Holdings, Inc.	123,700	555,857
Nomura Real Estate Holdings, Inc.	4,500	83,778
Nomura Real Estate Master Fund, Inc.	151	180,852
Nomura Research Institute, Ltd.	12,246	334,472
NSK, Ltd.	13,215	98,619
NTT Data Corp.	22,500	251,559
NTT DOCOMO, Inc.	40,600	1,077,850
Obayashi Corp.	25,900	243,498
Obic Company, Ltd.	2,200	387,726
Odakyu Electric Railway Company, Ltd.	10,900	267,680
Oji Holdings Corp.	30,000	139,961
Olympus Corp.	43,100	829,783
Omron Corp.	6,600	442,056
Ono Pharmaceutical Company, Ltd.	12,500	364,832
Oracle Corp. Japan	1,500	177,919
Oriental Land Company, Ltd.	7,100	938,238
ORIX Corp.	49,000	608,446
Orix JREIT, Inc.	97	127,859

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Osaka Gas Company, Ltd.	13,800	\$ 272,784
Otsuka Corp.	3,800	200,700
Otsuka Holdings Company, Ltd.	14,500	631,938
Pan Pacific International Holdings Corp.	15,000	330,250
Panasonic Corp.	81,700	716,431
Park24 Company, Ltd.	4,100	70,295
PeptiDream, Inc. (A)	3,300	152,049
Persol Holdings Company, Ltd.	6,200	85,479
Pigeon Corp.	4,100	158,691
Pola Orbis Holdings, Inc. (B)	3,200	55,867
Rakuten, Inc.	32,500	287,073
Recruit Holdings Company, Ltd.	44,300	1,523,486
Renesas Electronics Corp. (A)	29,900	153,698
Resona Holdings, Inc.	78,000	266,908
Ricoh Company, Ltd.	24,000	172,214
Rinnai Corp.	1,200	100,492
Rohm Company, Ltd.	3,400	226,071
Ryohin Keikaku Company, Ltd.	9,000	128,012
Santen Pharmaceutical Company, Ltd.	14,000	257,732
SBI Holdings, Inc.	9,613	208,607
SCSK Corp.	1,800	88,065
Secom Company, Ltd.	7,700	675,619
Sega Sammy Holdings, Inc.	6,900	82,712
Seibu Holdings, Inc.	7,100	77,335
Seiko Epson Corp.	11,600	132,886
Sekisui Chemical Company, Ltd.	13,400	191,992
Sekisui House, Ltd.	22,800	435,301
Seven & i Holdings Company, Ltd.	26,800	876,722
Seven Bank, Ltd.	20,400	55,913
SG Holdings Company, Ltd.	5,100	166,432
Sharp Corp. (B)	9,700	104,028
Shimadzu Corp.	8,000	213,577
Shimamura Company, Ltd.	700	47,412
Shimano, Inc.	2,600	499,951
Shimizu Corp.	21,600	177,943
Shin-Etsu Chemical Company, Ltd.	12,700	1,490,491
Shinsei Bank, Ltd.	6,900	83,457
Shionogi & Company, Ltd.	10,000	627,334
Shiseido Company, Ltd.	14,200	904,833
Showa Denko KK (B)	4,800	108,343
SMC Corp.	2,000	1,027,842
Softbank Corp.	59,600	759,676
SoftBank Group Corp.	56,500	2,849,163
Sohgo Security Services Company, Ltd.	2,900	135,411
Sompo Holdings, Inc.	12,300	423,432
Sony Corp.	45,400	3,133,970
Sony Financial Holdings, Inc.	5,600	135,212
Square Enix Holdings Company, Ltd.	3,400	172,258
Stanley Electric Company, Ltd.	5,300	128,300
Subaru Corp.	22,500	471,143
SUMCO Corp.	8,200	126,068
Sumitomo Chemical Company, Ltd.	56,000	168,493
Sumitomo Corp.	44,000	506,063
Sumitomo Dainippon Pharma Company, Ltd.	5,300	73,445
Sumitomo Electric Industries, Ltd.	29,000	334,535
Sumitomo Heavy Industries, Ltd.	4,002	87,528
Sumitomo Metal Mining Company, Ltd.	8,500	239,443
Sumitomo Mitsui Financial Group, Inc.	46,800	1,320,780
Sumitomo Mitsui Trust Holdings, Inc.	11,000	309,984
Sumitomo Realty & Development Company, Ltd.	12,200	336,753
Sumitomo Rubber Industries, Ltd. (B)	7,100	70,322
Sundrug Company, Ltd.	2,400	79,430
Suntory Beverage & Food, Ltd.	5,000	195,091

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Suzuken Company, Ltd.	2,640	\$ 98,630
Suzuki Motor Corp.	13,500	460,973
Sysmex Corp.	6,100	468,246
T&D Holdings, Inc.	19,900	170,925
Taiheiyo Cement Corp.	4,200	97,583
Taisei Corp.	7,400	269,701
Taisho Pharmaceutical Holdings Company, Ltd.	1,200	73,641
Taiyo Nippon Sanso Corp.	4,600	76,925
Takeda Pharmaceutical Company, Ltd.	53,876	1,935,655
TDK Corp.	4,700	467,892
Teijin, Ltd.	6,400	101,898
Terumo Corp.	23,000	875,444
The Bank of Kyoto, Ltd.	1,900	67,507
The Chiba Bank, Ltd.	21,600	102,119
The Chugoku Electric Power Company, Inc.	10,000	133,320
The Kansai Electric Power Company, Inc.	27,200	263,568
The Shizuoka Bank, Ltd.	17,000	109,361
The Yokohama Rubber Company, Ltd. (B)	5,000	70,700
THK Company, Ltd.	5,200	129,468
TIS, Inc.	7,800	165,146
Tobu Railway Company, Ltd.	6,800	224,668
Toho Company, Ltd.	4,067	146,905
Toho Gas Company, Ltd.	2,800	139,951
Tohoku Electric Power Company, Inc.	16,600	157,693
Tokio Marine Holdings, Inc.	22,800	998,025
Tokyo Century Corp.	1,500	76,809
Tokyo Electric Power Company Holdings, Inc. (A)	50,400	155,040
Tokyo Electron, Ltd.	5,500	1,357,091
Tokyo Gas Company, Ltd.	13,900	332,830
Tokyu Corp.	17,900	252,003
Tokyu Fudosan Holdings Corp.	19,400	91,267
Toppant Printing Company, Ltd.	10,300	172,205
Toray Industries, Inc.	50,800	239,777
Toshiba Corp.	13,400	429,869
Tosoh Corp.	9,300	127,753
TOTO, Ltd.	5,400	207,622
Toyo Suisan Kaisha, Ltd.	3,600	201,146
Toyoda Gosei Company, Ltd.	2,466	51,524
Toyota Industries Corp.	5,200	276,394
Toyota Motor Corp.	73,880	4,645,876
Toyota Tsusho Corp.	7,900	201,461
Trend Micro, Inc.	4,600	257,069
Tsuruha Holdings, Inc.	1,300	179,547
Unicharm Corp.	14,800	606,985
United Urban Investment Corp.	114	122,784
USS Company, Ltd.	7,770	124,556
Welcia Holdings Company, Ltd.	1,700	137,338
West Japan Railway Company	6,000	336,534
Yakult Honsha Company, Ltd.	4,243	249,633
Yamada Denki Company, Ltd.	22,400	111,113
Yamaha Corp.	5,300	249,975
Yamaha Motor Company, Ltd.	10,100	159,075
Yamato Holdings Company, Ltd.	11,000	238,782
Yamazaki Baking Company, Ltd.	4,000	68,709
Yaskawa Electric Corp.	9,000	312,868
Yokogawa Electric Corp.	9,386	147,066
Z Holdings Corp.	94,400	463,289
ZOZO, Inc.	2,800	62,418
		120,301,618
Jordan - 0.0%		
Hikma Pharmaceuticals PLC	5,062	138,906

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Luxembourg - 0.2%		
ArcelorMittal SA (A)	24,275	\$ 257,116
Aroundtown SA (A)	37,519	215,051
Eurofins Scientific SE	430	271,215
Reinet Investments SCA	5,229	91,849
SES SA	14,498	99,063
Tenaris SA (B)	16,418	106,694
		1,040,988
Macau - 0.1%		
Sands China, Ltd.	89,600	352,956
Wynn Macau, Ltd.	61,415	106,520
		459,476
Malaysia - 0.5%		
AMMB Holdings BHD	59,087	43,058
Axiata Group BHD	101,690	84,671
CIMB Group Holdings BHD	188,437	157,201
Dialog Group BHD	166,000	140,683
DiGi.Com BHD	110,800	111,794
Gamuda BHD	73,538	62,832
Genting BHD	72,900	70,215
Genting Malaysia BHD	105,700	62,865
Genting Plantations BHD	15,000	34,630
HAP Seng Consolidated BHD	30,200	62,187
Hartalega Holdings BHD	60,200	183,628
Hong Leong Bank BHD	23,269	76,822
Hong Leong Financial Group BHD	6,104	18,782
IHH Healthcare BHD	108,100	139,351
IJM Corp. BHD	87,420	37,170
IOI Corp. BHD	114,466	116,301
Kuala Lumpur Kepong BHD	17,415	90,188
Malayan Banking BHD	122,385	215,043
Malaysia Airports Holdings BHD	34,427	43,968
Maxis BHD	67,200	84,406
MISC BHD	26,280	47,080
Nestle Malaysia BHD	2,800	91,516
Petronas Chemicals Group BHD	99,800	145,413
Petronas Dagangan BHD	12,200	58,798
Petronas Gas BHD	21,200	83,912
PPB Group BHD	21,240	88,400
Press Metal Aluminium Holdings BHD	60,400	64,265
Public Bank BHD	97,378	376,013
RHB Bank BHD	29,167	32,693
Sime Darby BHD	108,224	54,566
Sime Darby Plantation BHD	108,224	124,938
Telekom Malaysia BHD	42,705	41,483
Tenaga Nasional BHD	101,250	275,310
YTL Corp. BHD	156,867	30,513
		3,350,695
Mexico - 0.5%		
Alfa SAB de CV, Class A (B)	108,680	61,044
America Movil SAB de CV, Series L (B)	1,171,132	752,578
Arca Continental SAB de CV	16,000	70,239
Cemex SAB de CV	521,849	147,124
Coca-Cola Femsa SAB de CV (B)	15,212	66,396
Fibra Uno Administracion SA de CV	90,200	71,345
Fomento Economico Mexicano SAB de CV (B)	66,720	414,146
Gruma SAB de CV, Class B	7,685	83,301
Grupo Aeroportuario del Pacifico SAB de CV, B Shares (B)	9,700	70,022
Grupo Aeroportuario del Sureste SAB de CV, B Shares (A)(B)	5,780	64,755
Grupo Bimbo SAB de CV, Series A	58,984	98,955
Grupo Carso SAB de CV, Series A1	9,477	18,361

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mexico (continued)		
Grupo Financiero Banorte SAB de CV, Series O (A)	92,962	\$ 321,663
Grupo Financiero Inbursa SAB de CV, Series O (A)	86,738	60,267
Grupo Mexico SAB de CV, Series B	115,366	268,030
Grupo Televisa SAB (A)	87,126	91,468
Industrias Penoles SAB de CV (B)	4,883	50,157
Infraestructura Energetica Nova SAB de CV	18,000	51,773
Kimberly-Clark de Mexico SAB de CV, Class A	43,778	68,245
Orbia Advance Corp. SAB de CV	37,631	55,617
Promotora y Operadora de Infraestructura SAB de CV (A)	5,800	41,887
Wal-Mart de Mexico SAB de CV	186,488	446,007
		3,373,380
Netherlands - 2.9%		
ABN AMRO Bank NV (C)	15,368	132,251
Adyen NV (A)(C)	629	916,447
Aegon NV (B)	73,280	216,612
Akzo Nobel NV	5,217	468,696
Altice Europe NV (A)	24,935	96,436
ASML Holding NV	14,772	5,403,766
EXOR NV	3,992	229,129
Heineken Holding NV	4,217	344,908
Heineken NV	9,090	838,165
ING Groep NV	127,050	885,650
Just Eat Takeaway.com NV (A)(C)	4,000	418,098
Koninklijke Ahold Delhaize NV	31,998	872,071
Koninklijke DSM NV	6,101	846,925
Koninklijke KPN NV	143,262	381,063
Koninklijke Philips NV (A)	28,738	1,342,574
Koninklijke Vopak NV	2,830	149,798
NN Group NV	12,137	407,896
Prosus NV (A)	15,743	1,467,831
QIAGEN NV (A)	8,350	359,957
Randstad NV	4,395	196,522
Royal Dutch Shell PLC, A Shares	149,196	2,388,808
Royal Dutch Shell PLC, B Shares	133,175	2,018,965
Wolters Kluwer NV	8,243	644,304
		21,026,872
New Zealand - 0.2%		
a2 Milk Company, Ltd. (A)	26,028	340,699
Auckland International Airport, Ltd.	36,599	155,647
Fisher & Paykel Healthcare Corp., Ltd.	19,921	458,915
Meridian Energy, Ltd.	43,320	135,042
Ryman Healthcare, Ltd.	12,940	109,782
Spark New Zealand, Ltd.	63,312	187,319
		1,387,404
Norway - 0.4%		
DNB ASA	35,015	467,363
Equinor ASA	35,722	514,599
Gjensidige Forsikring ASA (A)	6,934	128,114
Mowi ASA	14,928	284,553
Norsk Hydro ASA (A)	48,185	134,431
Orkla ASA	29,206	256,417
Schibsted ASA, B Shares (A)	3,512	82,956
Telenor ASA	26,898	392,734
Yara International ASA	6,981	243,374
		2,504,541
Peru - 0.1%		
Cia de Minas Buenaventura SAA, ADR	8,064	73,705
Credicorp, Ltd.	2,434	325,353

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Peru (continued)		
Southern Copper Corp. (B)	2,874	\$ 114,299
		513,357
Philippines - 0.2%		
Aboitiz Equity Ventures, Inc.	85,070	77,808
Aboitiz Power Corp.	72,200	39,202
Ayala Corp.	8,920	140,013
Ayala Land, Inc.	253,800	173,103
Bank of the Philippine Islands	34,118	49,437
BDO Unibank, Inc.	77,140	152,218
Globe Telecom, Inc.	970	40,317
GT Capital Holdings, Inc.	3,464	31,795
JG Summit Holdings, Inc.	85,100	111,078
Jollibee Foods Corp.	18,900	53,361
Manila Electric Company	8,090	43,664
Megaworld Corp.	564,000	34,692
Metro Pacific Investments Corp.	509,100	38,060
Metropolitan Bank & Trust Company	65,642	49,038
PLDT, Inc.	3,730	92,874
SM Investments Corp. (A)	8,302	157,670
SM Prime Holdings, Inc.	311,044	200,049
Universal Robina Corp.	30,280	79,268
		1,563,647
Poland - 0.2%		
Bank Polska Kasa Opieki SA	5,522	75,662
CD Projekt SA (A)	2,349	236,717
Cyfrowy Polsat SA (A)	6,360	42,495
Dino Polska SA (A)(C)	1,719	87,563
Grupa Lotos SA	3,293	50,196
KGHM Polska Miedz SA (A)	5,681	132,000
LPP SA (A)	42	64,093
mBank SA (A)	525	30,698
Orange Polska SA (A)	26,179	41,403
PGE Polska Grupa Energetyczna SA (A)	26,654	46,606
Polski Koncern Naftowy ORLEN SA	11,432	181,672
Polskie Gornictwo Naftowe i Gazownictwo SA	62,946	72,579
Powszechna Kasa Oszczednosci Bank Polski SA	32,873	191,428
Powszechny Zaklad Ubezpieczen SA	23,000	169,273
Santander Bank Polska SA (A)	1,219	54,425
		1,476,810
Portugal - 0.1%		
EDP - Energias de Portugal SA	84,624	403,931
Galp Energia SGPS SA	18,673	216,606
Jeronimo Martins SGPS SA (A)	7,332	128,309
		748,846
Romania - 0.0%		
NEPI Rockcastle PLC	14,400	73,875
Russia - 0.9%		
Evraz PLC	18,017	63,836
Gazprom PJSC, ADR	251,662	1,364,008
Gazprom PJSC, ADR (London Stock Exchange)	3,680	19,872
LUKOIL PJSC, ADR	23,756	1,763,170
MMC Norilsk Nickel PJSC, ADR	39,185	1,031,741
Mobile TeleSystems PJSC, ADR	20,264	186,226
Novatek PJSC, GDR	3,057	433,307
Rosneft Oil Company PJSC, GDR	30,000	150,771
Rosneft Oil Company PJSC, GDR (London Stock Exchange)	9,131	45,890
Sberbank of Russia PJSC, ADR (A)	40,000	453,600
Sberbank of Russia PJSC, ADR (London Stock Exchange) (A)	34,900	404,191

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Russia (continued)		
Severstal PAO, GDR	4,250	\$ 51,432
Surgutneftegas PJSC, ADR	22,274	108,920
Surgutneftegas PJSC, ADR (London Stock Exchange)	23,070	124,334
Tatneft PJSC, ADR	7,986	376,077
VTB Bank PJSC, GDR (A)	50,760	47,372
		6,624,747
Saudi Arabia - 0.7%		
Advanced Petrochemical Company	3,771	53,768
Al Rajhi Bank	43,550	658,495
Alinma Bank (A)	34,699	134,814
Almarai Company JSC	8,852	122,693
Arab National Bank	21,244	108,171
Bank AlBilad	13,065	77,377
Bank Al-Jazira	14,284	43,132
Banque Saudi Fransi	19,205	146,719
Bupa Arabia for Cooperative Insurance Company (A)	981	28,572
Dar Al Arkan Real Estate Development Company (A)	18,814	35,704
Emaar Economic City (A)	13,598	24,749
Etihad Etisalat Company (A)	13,413	95,352
Jarir Marketing Company	2,090	81,928
National Commercial Bank	42,661	425,435
National Industrialization Company (A)	11,652	32,592
Rabigh Refining & Petrochemical Company (A)	7,786	28,069
Riyad Bank	42,488	191,575
Sahara International Petrochemical Company	12,775	49,243
Samba Financial Group	34,840	250,516
Saudi Airlines Catering Company	1,428	29,567
Saudi Arabian Fertilizer Company	5,901	117,520
Saudi Arabian Mining Company (A)	15,250	143,038
Saudi Arabian Oil Company (C)	42,661	370,331
Saudi Basic Industries Corp.	26,663	627,930
Saudi Cement Company	2,665	37,716
Saudi Electricity Company	29,505	123,019
Saudi Industrial Investment Group	7,839	42,391
Saudi Kayan Petrochemical Company (A)	26,130	57,453
Saudi Telecom Company	20,888	553,383
The Company for Cooperative Insurance (A)	2,178	41,512
The Saudi British Bank	25,464	155,168
The Savola Group	9,302	104,861
Yanbu National Petrochemical Company	7,999	109,596
		5,102,389
Singapore - 0.7%		
Ascendas Real Estate Investment Trust	113,599	260,643
BOC Aviation, Ltd. (C)	7,400	47,638
CapitaLand Commercial Trust	82,786	101,319
CapitaLand Mall Trust	90,402	128,274
CapitaLand, Ltd. (A)	89,999	190,136
City Developments, Ltd.	16,600	101,444
DBS Group Holdings, Ltd.	64,118	964,773
Genting Singapore, Ltd.	226,200	124,449
Jardine Cycle & Carriage, Ltd.	4,152	60,592
Keppel Corp., Ltd.	55,069	237,178
Mapletree Commercial Trust	74,500	104,241
Mapletree Logistics Trust	92,600	130,002
Oversea-Chinese Banking Corp., Ltd.	122,325	797,289
Singapore Airlines, Ltd.	57,850	156,150
Singapore Exchange, Ltd.	28,000	168,495
Singapore Technologies Engineering, Ltd.	54,000	128,884
Singapore Telecommunications, Ltd.	294,940	524,668

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Singapore (continued)		
Suntec Real Estate Investment Trust	103,300	\$ 105,526
United Overseas Bank, Ltd.	40,908	597,742
UOL Group, Ltd.	20,239	99,509
Venture Corp., Ltd.	9,700	113,361
Wilmar International, Ltd.	72,000	212,960
		5,355,273
South Africa - 1.0%		
Absa Group, Ltd.	25,092	123,875
Anglo American Platinum, Ltd.	1,548	112,660
AngloGold Ashanti, Ltd.	14,430	424,563
Aspen Pharmacare Holdings, Ltd. (A)	14,246	118,331
Bid Corp., Ltd.	11,078	181,910
Capitec Bank Holdings, Ltd.	1,337	66,449
Clicks Group, Ltd.	9,143	111,002
Discovery, Ltd.	16,606	100,316
Exxaro Resources, Ltd.	8,997	67,910
FirstRand, Ltd.	178,134	391,731
Gold Fields, Ltd.	29,492	278,469
Growthpoint Properties, Ltd.	106,448	82,237
Impala Platinum Holdings, Ltd.	29,527	198,852
Kumba Iron Ore, Ltd.	2,928	78,297
Life Healthcare Group Holdings, Ltd.	60,966	58,728
Momentum Metropolitan Holdings	19,936	20,288
Mr. Price Group, Ltd.	8,969	74,165
MTN Group, Ltd.	59,164	181,198
MultiChoice Group, Ltd. (A)	15,717	96,113
Naspers, Ltd., N Shares	15,480	2,844,920
Nedbank Group, Ltd.	13,031	76,406
Old Mutual, Ltd. (B)	182,601	125,943
Pick n Pay Stores, Ltd.	13,126	38,632
PSG Group, Ltd.	4,220	38,581
Rand Merchant Investment Holdings, Ltd.	32,688	55,039
Remgro, Ltd.	20,519	118,466
Sanlam, Ltd.	63,976	217,626
Sasol, Ltd. (A)	19,396	148,938
Shoprite Holdings, Ltd.	16,492	101,339
Sibanye Stillwater, Ltd. (A)	83,867	182,098
Standard Bank Group, Ltd.	46,838	282,725
The Bidvest Group, Ltd.	11,166	91,615
The SPAR Group, Ltd.	5,706	56,454
Tiger Brands, Ltd.	6,286	64,680
Vodacom Group, Ltd.	19,298	136,930
Woolworths Holdings, Ltd.	33,746	64,495
		7,411,981
South Korea - 3.0%		
Amorepacific Corp.	1,183	165,475
AMOREPACIFIC Group	770	33,339
BGF retail Company, Ltd.	279	32,341
BNK Financial Group, Inc.	8,021	33,692
Celltrion Healthcare Company, Ltd. (A)	1,513	137,168
Celltrion, Inc. (A)	3,295	843,315
Cheil Worldwide, Inc.	1,346	18,578
CJ CheilJedang Corp.	326	89,013
CJ Corp.	456	32,948
CJ ENM Company, Ltd.	398	36,888
CJ Logistics Corp. (A)	392	51,668
Coway Company, Ltd.	1,930	116,677
Daelim Industrial Company, Ltd.	877	60,327
Daewoo Engineering & Construction Company, Ltd. (A)	2,130	6,113
DB Insurance Company, Ltd.	1,810	64,917
Doosan Bobcat, Inc.	1,853	41,215
E-MART, Inc.	817	72,239
Fila Holdings Corp.	1,753	51,731
GS Engineering & Construction Corp.	1,468	30,225

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
GS Holdings Corp.	2,038	\$ 61,732
GS Retail Company, Ltd.	966	29,518
Hana Financial Group, Inc.	10,757	244,640
Hankook Tire & Technology Company, Ltd.	3,008	62,254
Hanmi Pharm Company, Ltd.	227	46,318
Hanon Systems	4,656	35,286
Hanwha Corp.	2,040	38,098
Hanwha Solutions Corp.	4,418	71,728
Helixmith Company, Ltd. (A)	812	41,621
HLB, Inc. (A)	1,351	104,392
Hotel Shilla Company, Ltd.	1,190	70,775
Hyundai Department Store Company, Ltd.	494	23,245
Hyundai Engineering & Construction Company, Ltd.	2,649	73,380
Hyundai Glovis Company, Ltd.	539	45,825
Hyundai Heavy Industries Holdings Company, Ltd.	311	64,185
Hyundai Marine & Fire Insurance Company, Ltd.	2,650	50,871
Hyundai Mobis Company, Ltd.	2,332	374,331
Hyundai Motor Company	5,358	440,124
Hyundai Steel Company	2,875	49,720
Industrial Bank of Korea	9,029	61,354
Kakao Corp.	1,792	402,129
Kangwon Land, Inc.	4,000	72,086
KB Financial Group, Inc.	13,089	370,544
KB Financial Group, Inc., ADR	743	20,670
Kia Motors Corp.	8,934	241,420
Korea Aerospace Industries, Ltd.	1,710	34,109
Korea Electric Power Corp. (A)	6,370	103,879
Korea Electric Power Corp., ADR (A)	4,277	34,130
Korea Gas Corp.	1,166	25,602
Korea Investment Holdings Company, Ltd.	1,170	43,865
Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	1,465	107,843
Korea Zinc Company, Ltd.	339	94,986
Korean Air Lines Company, Ltd. (A)	1,349	19,778
KT&G Corp.	4,323	282,320
Kumho Petrochemical Company, Ltd.	614	38,399
LG Chem, Ltd.	1,568	647,081
LG Corp.	3,377	201,543
LG Display Company, Ltd. (A)	7,650	73,243
LG Display Company, Ltd., ADR (A)(B)	2,417	11,674
LG Electronics, Inc.	3,460	183,365
LG Household & Health Care, Ltd.	322	360,901
LG Innotek Company, Ltd.	505	74,060
LG Uplus Corp.	3,050	31,169
Lotte Chemical Corp.	562	78,543
Lotte Corp.	819	21,660
Lotte Shopping Company, Ltd.	366	24,461
Meritz Securities Company, Ltd.	10,983	27,931
Mirae Asset Daewoo Company, Ltd.	13,812	77,486
NAVER Corp.	4,289	964,953
NCSOFT Corp.	565	420,319
Netmarble Corp. (A)(C)	916	76,776
NH Investment & Securities Company, Ltd.	3,944	27,437
Orion Corp.	940	105,233
Ottogi Corp.	43	19,999
Pan Ocean Company, Ltd. (A)	11,652	37,212
Pearl Abyss Corp. (A)	204	37,115
POSCO	2,811	409,441
POSCO Chemical Company, Ltd.	847	53,500
Posco International Corp.	1,626	18,973

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
S-1 Corp.	608	\$ 43,569
Samsung Biologics Company, Ltd. (A)(C)	550	356,817
Samsung C&T Corp.	2,732	265,761
Samsung Card Company, Ltd.	1,490	34,054
Samsung Electro-Mechanics Company, Ltd.	1,863	202,117
Samsung Electronics Company, Ltd.	166,261	7,359,981
Samsung Engineering Company, Ltd. (A)	5,618	57,901
Samsung Fire & Marine Insurance Company, Ltd.	1,090	160,257
Samsung Heavy Industries Company, Ltd. (A)	15,521	77,714
Samsung Life Insurance Company, Ltd.	2,349	88,318
Samsung SDI Company, Ltd.	1,971	602,656
Samsung SDS Company, Ltd.	1,239	175,253
Samsung Securities Company, Ltd.	2,224	49,167
Shinhan Financial Group Company, Ltd.	15,589	376,727
Shinhan Financial Group Company, Ltd., ADR	350	8,421
Shinsegae, Inc.	197	36,479
SK Holdings Company, Ltd.	1,160	282,115
SK Hynix, Inc.	19,581	1,398,054
SK Innovation Company, Ltd.	1,818	200,982
SK Telecom Company, Ltd.	677	119,232
S-Oil Corp.	1,778	94,788
Woori Financial Group, Inc.	16,990	125,234
Yuhan Corp.	1,670	70,751
		21,969,449
Spain - 1.6%		
ACS Actividades de Construccion y Servicios SA	9,829	252,594
Aena SME SA (A)(C)	2,697	360,699
Amadeus IT Group SA	15,014	788,264
Banco Bilbao Vizcaya Argentaria SA	257,982	888,219
Banco Santander SA	555,964	1,360,138
Banco Santander SA (Mexican Stock Exchange) (B)	21,905	54,075
Bankinter SA	26,033	124,779
CaixaBank SA	144,982	310,157
Cellnex Telecom SA (A)(C)	8,933	545,605
Enagas SA	7,812	191,108
Endesa SA	12,378	307,050
Ferrovial SA	19,779	528,690
Grifols SA	10,824	329,135
Iberdrola SA	202,202	2,360,633
Industria de Diseno Textil SA	37,975	1,007,603
Mapfre SA	37,878	67,638
Naturgy Energy Group SA	12,174	227,274
Red Electrica Corp. SA	15,612	292,092
Repsol SA	49,426	436,725
Siemens Gamesa Renewable Energy SA	9,848	175,342
Telefonica SA	163,868	783,740
		11,391,560
Sweden - 1.9%		
Alfa Laval AB (A)	11,168	246,368
Assa Abloy AB, B Shares	35,582	728,274
Atlas Copco AB, A Shares	23,839	1,015,194
Atlas Copco AB, B Shares	13,853	514,750
Boliden AB	10,826	248,310
Electrolux AB, Series B (B)	9,396	158,087
Epiroc AB, A Shares	24,463	306,531
Epiroc AB, B Shares	13,732	168,645
EQT AB (B)	8,294	149,548
Essity AB, B Shares (A)	21,531	698,065
Evolution Gaming Group AB (B)(C)	4,426	262,885

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Hennes & Mauritz AB, B Shares (B)	28,520	\$ 416,286
Hexagon AB, B Shares (A)(B)	9,339	548,438
Husqvarna AB, B Shares	18,793	154,667
ICA Gruppen AB	3,982	189,283
Industrivarden AB, C Shares (A)(B)	6,375	145,312
Investment AB Latour, B Shares (B)	5,154	93,577
Investor AB, B Shares	16,170	857,785
Kinnevik AB, B Shares (B)	8,775	231,636
L E Lundbergforetagen AB, B Shares (A)(B)	2,546	116,056
Lundin Energy AB	7,867	191,999
Nibe Industrier AB, B Shares (A)	10,856	240,784
Sandvik AB (A)	40,078	754,499
Securitas AB, B Shares (A)(B)	10,739	145,215
Skandinaviska Enskilda Banken AB, A Shares (A)	57,777	501,536
Skanska AB, B Shares (A)	13,244	270,380
SKF AB, B Shares	14,059	262,812
Svenska Cellulosa AB SCA, B Shares (A)	21,092	252,285
Svenska Handelsbanken AB, A Shares (A)	55,216	524,294
Swedbank AB, A Shares (A)	33,187	426,150
Swedish Match AB	6,033	425,662
Tele2 AB, B Shares	17,728	235,992
Telefonaktiebolaget LM Ericsson, B Shares	109,071	1,011,040
Telia Company AB	105,161	393,428
Volvo AB, B Shares (A)	52,752	830,047
		13,715,820
Switzerland - 6.9%		
ABB, Ltd.	67,243	1,525,269
Adecco Group AG	6,058	285,547
Alcon, Inc. (A)	16,200	930,840
Baloise Holding AG	1,882	283,524
Barry Callebaut AG	92	175,613
Chocoladefabriken Lindt & Spruengli AG	4	345,027
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	42	346,892
Cie Financiere Richemont SA	19,046	1,228,473
Clariant AG (A)	8,258	162,525
Coca-Cola HBC AG	8,067	201,941
Credit Suisse Group AG	93,261	970,369
EMS-Chemie Holding AG	321	249,386
Geberit AG	1,376	690,389
Givaudan SA	337	1,259,696
Glencore PLC (A)	375,592	800,086
Julius Baer Group, Ltd.	8,601	361,221
Kuehne + Nagel International AG (A)	2,065	343,964
LafargeHolcim, Ltd. (A)	12,164	535,898
LafargeHolcim, Ltd. (Euronext Paris Exchange) (A)	6,750	293,112
Logitech International SA	5,725	375,156
Lonza Group AG	2,717	1,439,189
Nestle SA	103,604	11,486,640
Novartis AG	74,788	6,515,610
Partners Group Holding AG	742	675,734
Roche Holding AG	24,458	8,473,463
Schindler Holding AG	806	191,080
Schindler Holding AG, Participation Certificates	1,582	374,394
SGS SA	203	497,278
Sika AG	4,442	856,295
Sonova Holding AG (A)	2,144	429,176
STMicroelectronics NV	22,367	609,683
Straumann Holding AG (B)	401	346,659
Swiss Life Holding AG	1,226	456,095
Swiss Prime Site AG	3,037	281,728

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Swiss Re AG (B)	10,751	\$ 833,574
Swisscom AG	989	518,633
Temenos AG	2,330	362,138
The Swatch Group AG	2,395	94,185
The Swatch Group AG, Bearer Shares	1,191	239,048
UBS Group AG	127,628	1,473,984
Vifor Pharma AG	1,821	275,494
Zurich Insurance Group AG	5,459	1,934,290
		49,729,298
Taiwan - 3.3%		
Acer, Inc.	58,018	35,363
Advantech Company, Ltd.	12,089	121,661
ASE Technology Holding Company, Ltd.	111,338	256,412
Asia Cement Corp.	36,863	54,671
Asustek Computer, Inc.	24,952	183,332
AU Optronics Corp.	163,827	51,709
Catcher Technology Company, Ltd.	22,184	168,114
Cathay Financial Holding Company, Ltd.	268,839	382,420
Chailease Holding Company, Ltd.	37,149	158,369
Chang Hwa Commercial Bank, Ltd.	109,345	71,942
Cheng Shin Rubber Industry Company, Ltd.	43,680	50,193
China Airlines, Ltd.	26,874	7,504
China Development Financial Holding Corp.	479,153	154,079
China Life Insurance Company, Ltd.	105,003	78,010
China Steel Corp.	363,388	255,910
Chunghwa Telecom Company, Ltd.	135,148	536,734
Compal Electronics, Inc.	79,764	52,210
CTBC Financial Holding Company, Ltd.	631,465	437,630
Delta Electronics, Inc.	70,866	404,389
E.Sun Financial Holding Company, Ltd.	298,339	282,589
Eclat Textile Company, Ltd.	6,259	72,912
Eva Airways Corp.	33,428	12,774
Evergreen Marine Corp. Taiwan, Ltd. (A)	11,566	4,231
Far Eastern New Century Corp.	64,875	61,611
Far EasTone Telecommunications Company, Ltd.	45,159	104,264
Feng TAY Enterprise Company, Ltd.	12,100	68,625
First Financial Holding Company, Ltd.	367,527	283,343
Formosa Chemicals & Fibre Corp.	126,212	325,075
Formosa Petrochemical Corp.	43,720	132,327
Formosa Plastics Corp.	159,086	473,674
Formosa Taffeta Company, Ltd.	5,000	6,194
Foxconn Technology Company, Ltd.	15,513	29,872
Fubon Financial Holding Company, Ltd.	211,112	315,194
Giant Manufacturing Company, Ltd.	11,000	98,874
Globalwafers Company, Ltd.	9,000	123,959
Highwealth Construction Corp.	27,000	39,999
Hiwin Technologies Corp.	8,769	87,920
Hon Hai Precision Industry Company, Ltd.	444,368	1,304,733
Hotai Motor Company, Ltd.	9,000	215,791
Hua Nan Financial Holdings Company, Ltd.	286,088	194,715
Innolux Corp.	297,841	80,228
Inventec Corp.	25,899	22,110
Largan Precision Company, Ltd.	3,143	437,003
Lite-On Technology Corp.	39,626	62,397
MediaTek, Inc.	53,340	1,054,565
Mega Financial Holding Company, Ltd.	387,134	406,935
Micro-Star International Company, Ltd.	23,000	84,202
Nan Ya Plastics Corp.	185,992	408,511
Nanya Technology Corp.	37,000	77,197
Novatek Microelectronics Corp.	20,361	158,240
Pegatron Corp.	71,989	157,018

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Pou Chen Corp.	36,641	\$ 35,945
Powertech Technology, Inc.	13,149	47,998
President Chain Store Corp.	21,496	216,243
Quanta Computer, Inc.	92,771	224,454
Realtek Semiconductor Corp.	16,999	173,263
Shin Kong Financial Holding Company, Ltd.	389,836	114,200
SinoPac Financial Holdings Company, Ltd.	385,762	142,589
Synnex Technology International Corp.	24,928	35,317
Taishin Financial Holding Company, Ltd.	319,343	145,191
Taiwan Business Bank	249,000	91,562
Taiwan Cement Corp.	159,830	232,558
Taiwan Cooperative Financial Holding Company, Ltd.	281,866	198,975
Taiwan High Speed Rail Corp.	71,000	88,251
Taiwan Mobile Company, Ltd.	62,257	233,474
Taiwan Semiconductor Manufacturing Company, Ltd.	857,227	9,154,773
Tatung Company, Ltd. (A)	67,000	47,873
The Shanghai Commercial & Savings Bank, Ltd.	118,937	184,460
Uni-President Enterprises Corp.	171,487	415,480
United Microelectronics Corp.	396,313	214,263
Vanguard International Semiconductor Corp.	43,000	114,336
Walsin Technology Corp.	11,000	67,225
Win Semiconductors Corp.	12,000	122,521
Winbond Electronics Corp.	102,000	46,538
Wistron Corp.	42,598	52,003
WPG Holdings, Ltd.	47,840	63,831
Ya Hsin Industrial Company, Ltd. (A)(E)	36,000	0
Yageo Corp.	9,584	124,859
Yuanta Financial Holding Company, Ltd.	339,267	201,907
Zhen Ding Technology Holding, Ltd.	19,000	83,381
		23,521,204
Thailand - 0.7%		
Advanced Info Service PCL	48,400	291,284
Airports of Thailand PCL	163,100	321,089
Bangkok Bank PCL	11,700	40,772
Bangkok Bank PCL, NVDR	2,700	9,418
Bangkok Dusit Medical Services PCL, NVDR	387,300	282,273
Bangkok Expressway & Metro PCL, NVDR	354,600	109,415
Berli Jucker PCL, NVDR	21,300	27,350
BTS Group Holdings PCL, NVDR	301,600	110,891
Bumrungrad Hospital PCL, NVDR	15,600	58,913
Central Pattana PCL, NVDR	64,400	102,369
Central Retail Corp. PCL (A)	45,441	48,692
Charoen Pokphand Foods PCL	136,200	140,468
CP ALL PCL (A)	184,600	406,850
CP ALL PCL, NVDR	47,300	104,247
Electricity Generating PCL	7,600	61,165
Electricity Generating PCL, NVDR	1,400	11,267
Energy Absolute PCL	56,900	72,814
Gulf Energy Development PCL, NVDR	123,500	151,579
Home Product Center PCL	204,400	102,672
Indorama Ventures PCL, NVDR	54,900	49,701
Intouch Holdings PCL, NVDR	96,400	176,399
IRPC PCL	528,400	45,239
Kasikornbank PCL	45,000	136,034
Kasikornbank PCL, NVDR	27,100	82,216
Krung Thai Bank PCL	164,375	54,944
Land & Houses PCL, NVDR	393,400	97,502
Minor International PCL, NVDR (A)	127,100	83,999

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thailand (continued)		
Muangthai Capital PCL, NVDR	11,300	\$ 19,194
PTT Exploration & Production PCL	60,147	180,813
PTT Global Chemical PCL	87,373	131,976
PTT PCL	391,000	482,649
PTT PCL, NVDR	10,500	12,961
Ratch Group PCL, NVDR	12,800	25,932
Thai Oil PCL	46,900	68,065
Thai Union Group PCL	95,900	40,369
The Siam Cement PCL	12,000	143,544
The Siam Cement PCL, NVDR	19,700	235,651
The Siam Commercial Bank PCL	23,348	55,030
TMB Bank PCL	1,250,753	42,767
Total Access Communication PCL, NVDR	12,500	15,953
True Corp. PCL	448,802	49,678
		4,684,144
Turkey - 0.1%		
Akbank T.A.S. (A)	100,286	89,175
Anadolu Efes Biracilik Ve Malt Sanayii AS (A)	8,117	25,248
Aselsan Elektronik Sanayi Ve Ticaret AS	7,013	33,107
BIM Birlesik Magazalar AS	16,428	162,877
Eregli Demir ve Celik Fabrikalari TAS	49,091	61,497
Ford Otomotiv Sanayi AS	4,572	47,444
Haci Omer Sabanci Holding AS	31,762	42,768
KOC Holding AS	25,423	66,866
TAV Havalimanlari Holding AS	4,656	13,191
Tupras Turkiye Petrol Rafinerileri AS (A)	4,998	65,381
Turk Hava Yollari AO (A)	25,366	46,173
Turkcell Iletisim Hizmetleri AS	38,572	91,960
Turkiye Garanti Bankasi AS (A)	86,216	106,305
Turkiye Is Bankasi AS, Class C (A)	60,572	49,473
		901,465
United Arab Emirates - 0.0%		
NMC Health PLC (A)	4,471	1,587
United Kingdom - 8.6%		
3i Group PLC	36,926	380,226
Admiral Group PLC	7,852	222,674
Anglo American PLC	38,102	878,371
Ashtead Group PLC	16,947	571,672
Associated British Foods PLC	13,623	322,104
AstraZeneca PLC	45,681	4,754,207
Auto Trader Group PLC (C)	37,238	242,447
AVEVA Group PLC	2,387	121,028
Aviva PLC	143,921	487,801
BAE Systems PLC	117,721	703,906
Barclays PLC	633,799	894,160
Barratt Developments PLC	39,643	243,651
BP PLC	724,033	2,773,793
British American Tobacco PLC	81,871	3,139,973
BT Group PLC	308,640	436,493
Bunzl PLC	12,951	347,385
Burberry Group PLC	15,796	312,130
CNH Industrial NV (A)	37,712	264,948
Coca-Cola European Partners PLC (B)	9,387	356,229
Compass Group PLC	58,290	801,978
Croda International PLC	4,999	324,688
Diageo PLC	83,713	2,782,389
Direct Line Insurance Group PLC	53,358	178,912
Ferguson PLC	8,417	688,227
Fiat Chrysler Automobiles NV (A)	43,112	436,210
GlaxoSmithKline PLC	178,177	3,599,109
Halma PLC	13,950	397,437
Hargreaves Lansdown PLC	11,129	224,428
HSBC Holdings PLC	726,175	3,374,952

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Imperial Brands PLC	35,031	\$ 666,870
Informa PLC	47,610	275,268
InterContinental Hotels Group PLC	6,599	291,313
Intertek Group PLC	6,185	416,565
ITV PLC	140,570	129,918
J Sainsbury PLC	71,585	185,258
JD Sports Fashion PLC	16,184	124,562
Johnson Matthey PLC	7,531	196,136
Kingfisher PLC	84,019	231,151
Land Securities Group PLC	25,882	176,841
Legal & General Group PLC	219,159	597,479
Lloyds Banking Group PLC	2,483,735	958,124
London Stock Exchange Group PLC	11,566	1,202,805
M&G PLC	94,053	195,295
Melrose Industries PLC	185,187	261,028
Mondi PLC	13,861	259,269
Mondi PLC (Johannesburg Stock Exchange)	4,137	77,635
National Grid PLC	123,534	1,507,159
Next PLC	4,895	296,367
Ocado Group PLC (A)	15,026	377,608
Pearson PLC	30,415	216,518
Persimmon PLC	12,211	345,589
Prudential PLC	92,184	1,389,030
Reckitt Benckiser Group PLC	25,222	2,320,377
RELX PLC	44,291	1,025,146
RELX PLC (Euronext Amsterdam Exchange)	24,534	568,411
Rentokil Initial PLC	67,951	429,664
Rio Tinto PLC	40,037	2,253,137
Rio Tinto, Ltd.	13,588	930,416
Rolls-Royce Holdings PLC (A)	63,506	224,214
RSA Insurance Group PLC	40,468	204,947
Schroders PLC	4,962	181,101
Segro PLC	40,814	451,401
Severn Trent PLC	7,990	244,523
Smith & Nephew PLC	32,136	598,809
Smiths Group PLC	15,498	270,934
Spirax-Sarco Engineering PLC	2,625	323,162
SSE PLC	38,128	645,624
St. James's Place PLC	20,193	237,438
Standard Chartered PLC	100,936	547,152
Standard Life Aberdeen PLC	88,164	292,148
Taylor Wimpey PLC	125,790	222,020
Tesco PLC	359,848	1,012,128
The Berkeley Group Holdings PLC	4,387	225,931
The British Land Company PLC	35,353	169,109
The Royal Bank of Scotland Group PLC	181,551	272,552
The Sage Group PLC	41,847	347,368
Unilever NV	49,466	2,637,404
Unilever PLC	39,481	2,129,640
United Utilities Group PLC	26,873	301,964
Vodafone Group PLC	950,281	1,510,714
Whitbread PLC	7,168	197,209
Wm Morrison Supermarkets PLC	89,522	210,890
WPP PLC	47,661	371,579
		61,996,428
United States - 0.0%		
Bausch Health Companies, Inc. (A)	12,400	226,883
International Flavors & Fragrances, Inc.	1	56
Legend Biotech Corp., ADR (A)	9	404
		227,343
TOTAL COMMON STOCKS (Cost \$603,230,840)		\$ 703,086,354

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES - 0.9%		
Brazil - 0.4%		
Banco Bradesco SA	153,125	\$ 582,867
Braskem SA, A Shares	4,100	17,506
Centrais Eletricas Brasileiras SA, B Shares	5,700	33,793
Cia Energetica de Minas Gerais	31,260	63,347
Gerdau SA	36,200	106,574
Itau Unibanco Holding SA	168,689	789,455
Itausa SA	147,723	260,507
Lojas Americanas SA	24,316	143,890
Petroleo Brasileiro SA	150,151	595,016
Telefonica Brasil SA	9,652	85,248
		2,678,203
Germany - 0.3%		
Bayerische Motoren Werke AG	2,090	101,526
FUCHS PETROLUB SE (B)	2,735	109,930
Henkel AG & Company KGaA	6,138	572,634
Porsche Automobil Holding SE (A)	5,695	329,846
Sartorius AG	1,201	396,386
Volkswagen AG	6,793	1,032,532
		2,542,854
South Korea - 0.2%		
Amorepacific Corp.	300	17,870
Hyundai Motor Company	705	32,638
Hyundai Motor Company, 2nd Preferred	1,197	57,236
LG Chem, Ltd.	162	34,082
LG Household & Health Care, Ltd.	48	29,079
Samsung Electronics Company, Ltd.	29,394	1,145,023
		1,315,928
TOTAL PREFERRED SECURITIES (Cost \$7,131,173)		\$ 6,536,985
RIGHTS - 0.0%		
ACS Actividades de Construccion y Servicios SA (Expiration Date: 7-8-20) (A)(F)	9,829	15,333
Korean Air Lines Company, Ltd. (Expiration Date: 7-13-20; Strike Price: KRW 14,200.00) (A)	892	1,279
Minor International PCL (Expiration Date: 7-24-20; Strike Price: THB 18.90) (A)	15,500	702
Repsol SA (Expiration Date: 7-7-20) (A)(F)	49,426	24,061
Telefonica SA (Expiration Date: 7-2-20) (A)(F)	163,868	32,237
TOTAL RIGHTS (Cost \$85,988)		\$ 73,612
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 2-16-21; Strike Price: THB 14.00) (A)	30,160	1,124
TOTAL WARRANTS (Cost \$0)		\$ 1,124
SHORT-TERM INVESTMENTS - 5.5%		
Short-term funds - 5.5%		
Fidelity Institutional Money Market Government Portfolio, Institutional Class, 0.0686% (G)	4,267,211	4,267,211
John Hancock Collateral Trust, 0.2429% (G)(H)	3,553,907	35,579,224
TOTAL SHORT-TERM INVESTMENTS (Cost \$39,846,148)		\$ 39,846,435
Total Investments (International Equity Index Trust) (Cost \$650,294,149) - 103.8%		\$ 749,544,510 (27,675,185)
Other assets and liabilities, net - (3.8%)		\$ 721,869,325
TOTAL NET ASSETS - 100.0%		\$ 721,869,325

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Equity Index Trust (continued)

Currency Abbreviations

KRW	Korean Won
THB	Thai Bhat

Security Abbreviations and Legend

ADR	American Depositary Receipt
GDR	Global Depositary Receipt
NVDR	Non-Voting Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(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.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI EAFE Index Futures	1	Long	Sep 2020	\$87,093	\$88,915	\$1,822
Mini MSCI Emerging Markets Index Futures	215	Long	Sep 2020	10,457,199	10,582,300	125,101
MSCI Taiwan Index Futures	25	Long	Jul 2020	1,074,932	1,078,750	3,818
						\$130,741

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

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

International Small Company Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 98.4%		
Australia - 6.1%		
A2B Australia, Ltd.	9,047	\$ 5,079
Accent Group, Ltd.	24,907	24,321
Adbri, Ltd.	19,036	42,229
Ainsworth Game Technology, Ltd. (A)	10,192	2,910
Alkane Resources, Ltd. (A)	4,753	4,039
ALS, Ltd.	14,671	66,991
Altium, Ltd.	1,379	31,244
AMA Group, Ltd.	24,887	10,436
Amaysim Australia, Ltd. (A)	11,607	4,740
AP Eagers, Ltd.	11,432	53,959
ARB Corp., Ltd.	3,706	46,339
Ardent Leisure Group, Ltd. (A)	39,016	10,728
Asaleo Care, Ltd.	30,182	21,210
AUB Group, Ltd.	4,946	50,349
Aurelia Metals, Ltd.	63,267	22,304
Austral, Ltd.	23,155	52,192
Australian Agricultural Company, Ltd. (A)	28,065	19,985
Australian Pharmaceutical Industries, Ltd.	26,584	21,060
Auswide Bank, Ltd.	607	2,037
Bank of Queensland, Ltd.	21,179	91,005
Bapcor, Ltd.	15,610	64,379
Beach Energy, Ltd.	35,779	38,223
Bega Cheese, Ltd.	14,056	43,445
Bendigo & Adelaide Bank, Ltd.	8,213	40,109
Bingo Industries, Ltd.	8,137	12,201
Blackmores, Ltd.	400	21,634
Blue Sky Alternative Investments, Ltd. (A)(B)	2,049	222
Bravura Solutions, Ltd.	17,005	53,591
Breville Group, Ltd.	5,143	81,295
Brickworks, Ltd.	3,795	41,767
BWX, Ltd.	7,095	17,315
Cardno, Ltd. (A)	15,086	2,490

International Equity Index Trust (continued)

(D)	Investment is an affiliate of the fund, the advisor and/or subadvisor.
(E)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(F)	Strike price and/or expiration date not available.
(G)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
carsales.com, Ltd.	10,102	\$ 125,050
Cash Converters International, Ltd. (A)	14,501	1,769
Cedar Woods Properties, Ltd.	2,555	9,320
Challenger, Ltd.	8,297	25,694
Cleanaway Waste Management, Ltd.	16,887	25,928
Clinuvel Pharmaceuticals, Ltd. (C)	2,335	41,631
Codan, Ltd.	5,320	26,325
Collins Foods, Ltd.	5,764	37,984
Cooper Energy, Ltd. (A)(C)	98,256	25,708
Corporate Travel Management, Ltd.	2,594	17,663
Costa Group Holdings, Ltd.	12,590	25,424
Credit Corp. Group, Ltd.	3,047	33,411
CSR, Ltd.	25,551	65,764
CuDeco, Ltd. (A)(B)	8,580	1,148
Data#3, Ltd.	9,073	28,713
Decmil Group, Ltd.	15,189	598
Domain Holdings Australia, Ltd.	17,171	40,059
Downer EDI, Ltd.	11,272	34,503
Eclipx Group, Ltd. (A)	16,681	14,632
Elders, Ltd.	8,609	56,268
EML Payments, Ltd. (A)	15,659	36,824
EQT Holdings, Ltd.	705	12,077
Estia Health, Ltd.	11,708	12,512
EVENT Hospitality and Entertainment, Ltd.	4,397	25,688
FAR, Ltd. (A)(C)	313,905	2,399
Finbar Group, Ltd.	8,370	4,070
Fleetwood Corp., Ltd. (A)	8,058	8,899
FlexiGroup, Ltd. (C)	20,305	16,128
Flight Centre Travel Group, Ltd.	799	6,246
Freedom Foods Group, Ltd. (C)	6,482	13,413
G8 Education, Ltd.	49,342	30,455
Galaxy Resources, Ltd. (A)	30,280	16,474

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Genworth Mortgage Insurance Australia, Ltd.	18,245	\$ 26,241
Gold Road Resources, Ltd. (A)	43,849	51,535
GrainCorp, Ltd., Class A (A)	13,614	38,874
GUD Holdings, Ltd.	3,410	27,269
GWA Group, Ltd.	12,195	23,586
Hansen Technologies, Ltd.	11,735	23,730
Healius, Ltd.	36,714	77,573
HT&E, Ltd.	20,357	16,886
HUB24, Ltd.	3,152	20,504
IGO, Ltd.	21,668	73,932
Iluka Resources, Ltd.	13,142	78,511
Imdex, Ltd.	20,483	15,934
Infigen Energy	79,137	51,501
Infomedia, Ltd.	17,584	20,979
Inghams Group, Ltd.	11,981	26,643
Intega Group, Ltd. (A)	15,086	2,425
Integral Diagnostics, Ltd.	6,781	18,397
Integrated Research, Ltd. (C)	3,367	8,987
International Ferro Metals, Ltd. (A)(B)	24,339	0
InvoCare, Ltd.	8,071	58,692
IOOF Holdings, Ltd.	16,325	56,094
IPH, Ltd.	6,339	32,969
IRESS, Ltd.	8,152	62,310
IVE Group, Ltd.	11,452	6,465
Japara Healthcare, Ltd.	17,906	6,097
Jumbo Interactive, Ltd. (C)	2,253	15,067
Jupiter Mines, Ltd. (C)	116,266	22,584
Karoon Energy, Ltd. (A)	14,552	6,165
Kingsgate Consolidated, Ltd. (A)	11,120	3,088
Lifestyle Communities, Ltd.	3,310	21,656
Link Administration Holdings, Ltd.	18,215	52,108
Lovisa Holdings, Ltd.	3,846	16,038
MACA, Ltd.	18,596	11,170
Macmahon Holdings, Ltd.	112,440	19,870
Mayne Pharma Group, Ltd. (A)	99,135	26,557
McMillan Shakespeare, Ltd.	3,346	21,152
McPherson's, Ltd.	7,978	15,398
Medusa Mining, Ltd. (A)	8,127	3,914
Mesoblast, Ltd. (A)	11,677	26,858
Metals X, Ltd. (A)	48,765	2,673
Metcash, Ltd.	51,856	97,840
Mineral Resources, Ltd. (C)	6,073	89,926
MMA Offshore, Ltd. (A)	46,658	2,113
Moelis Australia, Ltd.	3,830	9,289
Monadelphous Group, Ltd.	6,360	47,977
Monash IVF Group, Ltd.	21,798	8,050
Mortgage Choice, Ltd.	6,422	2,899
Mount Gibson Iron, Ltd.	62,063	26,454
Myer Holdings, Ltd. (A)	63,302	8,217
MyState, Ltd.	4,337	11,787
Navigator Global Investments, Ltd.	10,160	8,360
Netwealth Group, Ltd. (C)	3,669	22,902
New Energy Solar, Ltd.	15,747	12,568
New Hope Corp., Ltd.	11,267	10,745
NEXTDC, Ltd. (A)	11,494	79,058
nib holdings, Ltd.	21,443	68,432
Nick Scali, Ltd.	5,272	23,699
Nine Entertainment Company Holdings, Ltd.	72,050	69,483
NRW Holdings, Ltd.	40,319	52,854
Nufarm, Ltd. (A)(C)	12,991	36,908
OceanaGold Corp. (A)	31,900	74,252
OFX Group, Ltd.	14,134	13,735
Omni Bridgeway, Ltd.	15,575	51,421

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
oOh!media, Ltd.	31,712	\$ 20,329
Orora, Ltd.	40,091	70,883
OZ Minerals, Ltd.	17,975	138,111
Pacific Current Group, Ltd.	1,644	6,240
Pact Group Holdings, Ltd. (A)	11,275	17,212
Peet, Ltd.	13,800	9,265
Pendal Group, Ltd.	11,153	46,661
Perenti Global, Ltd.	35,432	28,767
Perpetual, Ltd.	2,520	52,113
Perseus Mining, Ltd. (A)	111,479	103,159
Platinum Asset Management, Ltd.	6,396	16,641
Praemium, Ltd. (A)	28,131	7,094
Premier Investments, Ltd.	4,691	56,565
Pro Medicus, Ltd.	2,876	52,959
Ramelius Resources, Ltd.	29,377	41,234
Regis Healthcare, Ltd.	9,267	9,056
Regis Resources, Ltd.	23,625	86,451
Resolute Mining, Ltd. (A)	43,558	34,916
Ridley Corp., Ltd.	19,540	9,801
Sandfire Resources, Ltd.	8,336	29,581
Saracen Mineral Holdings, Ltd. (A)	53,562	203,998
SeaLink Travel Group, Ltd.	9,116	28,022
Select Harvests, Ltd.	5,587	24,421
Senex Energy, Ltd. (A)	87,382	13,860
Servcorp, Ltd.	3,171	5,101
Service Stream, Ltd.	18,170	24,120
Seven West Media, Ltd. (A)(C)	85,038	5,438
SG Fleet Group, Ltd.	7,879	8,745
Sigma Healthcare, Ltd.	86,903	37,632
Silver Lake Resources, Ltd. (A)	29,625	44,378
SmartGroup Corp., Ltd.	4,591	19,467
Southern Cross Media Group, Ltd.	172,915	21,162
Spark Infrastructure Group	70,637	105,500
SpeedCast International, Ltd. (A)(B)(C)	17,245	9,402
St. Barbara, Ltd.	31,749	70,279
Steadfast Group, Ltd.	37,803	88,574
Super Retail Group, Ltd.	7,649	43,036
Superloop, Ltd. (A)	17,732	12,212
Syrah Resources, Ltd. (A)(C)	31,913	6,227
Tassal Group, Ltd.	15,770	37,759
Technology One, Ltd.	12,347	75,666
The Reject Shop, Ltd. (A)	2,561	12,531
The Star Entertainment Group, Ltd.	37,406	74,323
Tiger Resources, Ltd. (A)(B)	92,816	2,357
Troy Resources, Ltd. (A)	15,555	903
United Malt Grp, Ltd. (A)	15,585	44,505
Village Roadshow, Ltd.	5,669	8,521
Virgin Australia Holdings, Ltd. (A)	92,110	12,895
Virgin Australia Holdings, Ltd., In-Specie Distribution (A)(B)	359,466	1,240
Virtus Health, Ltd.	8,064	15,862
Vocus Group, Ltd. (A)	35,249	72,432
Webjet, Ltd.	21,997	51,430
Western Areas, Ltd.	18,795	34,561
Westgold Resources, Ltd. (A)	16,604	24,378
Whitehaven Coal, Ltd.	27,507	27,505
WPP AUNZ, Ltd.	25,254	4,921
		5,852,407
Austria - 1.7%		
Agrana Beteiligungs AG	724	14,924
ams AG (A)	10,453	155,839
ANDRITZ AG	3,423	124,805
AT&S Austria Technologie & Systemtechnik AG (C)	2,410	43,509
BAWAG Group AG (D)	815	28,201

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Austria (continued)		
CA Immobilien Anlagen AG (A)	4,303	\$ 143,868
DO & CO AG	278	14,287
EVN AG	3,092	52,258
FACC AG (C)	1,116	8,106
Flughafen Wien AG (A)	265	7,535
IMMOFINANZ AG (A)	4,356	74,459
Kapsch TrafficCom AG (C)	191	3,685
Lenzing AG (A)(C)	693	32,195
Mayr Melnhof Karton AG	439	67,779
Oesterreichische Post AG (C)	2,096	69,395
Palfinger AG	1,137	25,110
POLYTEC Holding AG (A)(C)	995	5,536
Porr AG (A)(C)	648	10,751
Raiffeisen Bank International AG (A)	1,591	28,436
Rhi Magnesita NV	1,095	33,754
Rosenbauer International AG (C)	174	6,412
S IMMO AG (A)	3,364	60,319
S&T AG (A)	2,773	71,347
Schoeller-Bleckmann Oilfield Equipment AG	710	18,770
Semperit AG Holding (A)	822	9,968
Strabag SE	893	23,062
Telekom Austria AG (A)	7,836	54,130
UBM Development AG	411	14,327
UNIQA Insurance Group AG	7,877	52,989
Vienna Insurance Group AG (A)(C)	2,991	67,066
voestalpine AG (C)	4,895	105,709
Wienerberger AG	6,968	152,312
Zumtobel Group AG (A)	2,545	18,399
		1,599,242
Belgium - 1.4%		
Ackermans & van Haaren NV (A)	1,132	148,221
AGFA-Gevaert NV (A)	6,780	28,340
Akka Technologies (A)	603	19,505
Atenor	211	13,355
Banque Nationale de Belgique	12	26,740
Barco NV	735	129,791
Bekaert SA	2,225	43,743
Biocartis NV (A)(D)	2,587	13,502
bpost SA	4,236	28,631
Celyad SA (A)(C)	493	5,438
Cie d'Entreprises CFE (A)	416	28,521
D'itieren SA/NV	1,254	69,539
Econocom Group SA/NV	6,435	13,041
Elia Group SA/NV	1,281	139,361
Euronav NV	8,334	67,286
EVS Broadcast Equipment SA	811	15,004
Exmar NV (A)	1,567	3,909
Fagron	1,709	35,920
Gimv NV	1,153	66,417
Immobil SA	209	13,823
Ion Beam Applications (C)	1,305	11,250
Kinepolis Group NV (A)	585	26,501
Lotus Bakeries NV (C)	13	41,385
Melexis NV	987	75,079
Ontex Group NV (A)	3,927	57,724
Orange Belgium SA	1,199	19,562
Oxurion NV (A)(C)	1,612	5,417
Picanol	88	5,146
Recticel SA	2,296	20,427
Sioen Industries NV (A)	374	7,154
Sipef NV	420	20,757
Telenet Group Holding NV	1,717	70,746
Tessengerlo Group SA (A)	1,439	42,886
Van de Velde NV (A)	377	8,855

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Belgium (continued)		
Viohalco SA (A)	7,173	\$ 19,034
		1,342,010
Bermuda - 0.1%		
Hiscox, Ltd.	8,333	81,336
Canada - 8.6%		
5N Plus, Inc. (A)	3,515	4,169
Absolute Software Corp.	3,900	39,672
Advantage Oil & Gas, Ltd. (A)	11,500	14,062
Aecon Group, Inc.	4,500	48,925
Africa Oil Corp. (A)	34,602	27,272
Ag Growth International, Inc. (C)	1,100	22,136
AGF Management, Ltd., Class B	4,298	15,893
Aimia, Inc. (A)	7,777	17,014
AirBoss of America Corp.	1,500	20,164
Alamos Gold, Inc., Class A	21,681	202,181
Alaris Royalty Corp. (C)	2,229	21,262
Alcanna, Inc. (A)(C)	1,500	3,889
Algoma Central Corp.	700	5,187
Alio Gold, Inc. (A)	638	804
Altius Minerals Corp. (C)	3,100	22,241
Altus Group, Ltd.	1,818	54,623
Andrew Peller, Ltd., Class A	2,300	14,909
ARC Resources, Ltd.	16,428	55,179
Aritzia, Inc. (A)	3,100	43,408
Athabasca Oil Corp. (A)(C)	42,135	5,587
ATS Automation Tooling Systems, Inc. (A)	3,547	49,955
AutoCanada, Inc. (C)	1,985	15,645
Badger Daylighting, Ltd. (C)	1,522	33,319
Baytex Energy Corp. (A)(C)	35,400	17,992
Birch Mountain Resources, Ltd. (A)(B)	9,200	1
Birchcliff Energy, Ltd. (C)	15,733	13,211
Bird Construction, Inc. (C)	4,995	21,892
Black Diamond Group, Ltd. (A)	2,750	3,119
BlackBerry, Ltd. (A)(C)	11,689	56,999
BlackBerry, Ltd. (New York Stock Exchange) (A)(C)	9,511	46,509
BMTC Group, Inc.	500	2,854
Boralex, Inc., Class A (C)	4,277	97,348
Cameco Corp.	1,713	17,558
Canaccord Genuity Group, Inc. (C)	3,431	17,463
Canacol Energy, Ltd.	7,565	21,398
Canadian Western Bank (C)	4,515	78,653
Canfor Corp. (A)	4,300	37,280
Canfor Pulp Products, Inc.	2,715	10,799
CanWel Building Materials Group, Ltd.	3,600	11,747
Capital Power Corp.	6,627	136,582
Capstone Mining Corp. (A)	29,467	18,015
Cardinal Energy, Ltd. (C)	5,530	2,159
Cascades, Inc.	6,623	72,152
Celestica, Inc. (A)	5,019	34,456
Celestica, Inc. (New York Stock Exchange) (A)	3,200	21,856
Centerra Gold, Inc.	12,177	135,888
CES Energy Solutions Corp.	18,429	14,661
China Gold International Resources Corp., Ltd. (A)(C)	18,050	9,839
CI Financial Corp.	3,900	49,612
Cineplex, Inc. (C)	3,000	17,767
Clearwater Seafoods, Inc. (C)	1,500	5,646
Cogeco, Inc.	445	26,557
Colliers International Group, Inc.	1,100	63,119
Computer Modelling Group, Ltd. (C)	4,420	15,465
Copper Mountain Mining Corp. (A)(C)	8,800	4,084
Corby Spirit and Wine, Ltd.	700	8,379
Corus Entertainment, Inc., B Shares	11,806	24,871

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Crescent Point Energy Corp. (C)	9,519	\$ 15,426
Crescent Point Energy Corp. (New York Stock Exchange) (C)	16,800	27,384
Crew Energy, Inc. (A)	11,300	2,539
CRH Medical Corp. (A)	5,500	11,506
Cronos Group, Inc. (A)(C)	4,196	25,218
Denison Mines Corp. (A)	33,028	11,678
DIRTT Environmental Solutions (A)(C)	3,000	3,624
Dorel Industries, Inc., Class B	2,900	11,599
DREAM Unlimited Corp., Class A	4,500	29,699
Dundee Precious Metals, Inc.	14,687	96,716
ECN Capital Corp.	18,600	52,885
E-L Financial Corp., Ltd.	100	48,785
Eldorado Gold Corp. (A)	9,374	90,384
Element Fleet Management Corp.	10,582	78,960
Endeavour Silver Corp. (A)(C)	10,900	24,729
Enerflex, Ltd.	6,400	24,231
Enerplus Corp. (C)	11,735	33,020
Enghouse Systems, Ltd.	2,300	122,827
Ensign Energy Services, Inc. (C)	9,800	7,507
Equitable Group, Inc.	996	52,375
ERO Copper Corp. (A)	2,900	42,018
Exchange Income Corp. (C)	568	11,192
Exco Technologies, Ltd.	1,500	7,403
Extencare, Inc. (C)	6,230	25,744
Fiera Capital Corp.	3,035	21,238
Finning International, Inc.	5,981	81,547
Firm Capital Mortgage Investment Corp.	1,100	9,123
First Majestic Silver Corp. (A)(C)	6,681	66,436
First Mining Gold Corp. (A)(C)	39,000	12,209
First National Financial Corp.	700	14,561
Fission Uranium Corp. (A)	19,500	3,447
Fortuna Silver Mines, Inc. (A)(C)	14,267	72,512
Freehold Royalties, Ltd.	7,229	18,743
Frontera Energy Corp.	2,200	5,510
Galiano Gold, Inc. (A)(C)	6,600	8,751
Gamehost, Inc.	100	458
Genworth MI Canada, Inc. (C)	1,788	43,739
Gibson Energy, Inc.	7,398	115,144
Glacier Media, Inc. (A)	6,100	1,033
GMP Capital, Inc. (C)	3,026	2,920
goeasy, Ltd. (C)	672	27,066
Golden Star Resources, Ltd. (A)(C)	5,011	14,580
Gran Tierra Energy, Inc. (A)(C)	25,166	8,527
Great Canadian Gaming Corp. (A)(C)	2,400	47,784
Guardian Capital Group, Ltd., Class A	600	9,171
Guyana Goldfields, Inc. (A)	11,400	14,611
Hanfeng Evergreen, Inc. (A)(B)	200	0
Headwater Exploration, Inc. (A)	4,930	4,467
Heroux-Devtek, Inc. (A)	2,700	20,246
High Liner Foods, Inc.	1,773	7,575
Home Capital Group, Inc. (A)	5,079	75,497
Horizon North Logistics, Inc. (C)	8,109	3,644
Hudbay Minerals, Inc. (C)	18,257	55,271
IAMGOLD Corp. (A)	35,827	142,242
Imperial Metals Corp. (A)	4,600	6,777
Innergex Renewable Energy, Inc.	7,800	109,738
Interfor Corp. (A)	3,520	29,662
International Petroleum Corp. (A)(C)	5,324	9,608
International Tower Hill Mines, Ltd. (A)	2,300	4,117
Intertape Polymer Group, Inc.	2,700	23,826
Ivanhoe Mines, Ltd., Class A (A)	24,771	70,248
Jamieson Wellness, Inc.	1,100	28,829
Just Energy Group, Inc.	200	102
KAB Distribution, Inc. (A)(B)	7,076	0

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
K-Bro Linen, Inc.	600	\$ 11,690
Kelt Exploration, Ltd. (A)(C)	10,445	10,771
Kinaxis, Inc. (A)	1,068	152,664
Knight Therapeutics, Inc. (A)	5,400	27,923
Labrador Iron Ore Royalty Corp. (C)	3,218	57,529
Largo Resources, Ltd. (A)	7,800	4,826
Lassonde Industries, Inc., Class A	200	22,836
Laurentian Bank of Canada (C)	2,714	57,175
Leon's Furniture, Ltd.	1,883	18,503
Linamar Corp.	2,766	74,773
Lucara Diamond Corp. (C)	25,184	11,501
Lundin Gold, Inc. (A)	2,800	26,276
Magellan Aerospace Corp.	900	4,786
Mainstreet Equity Corp. (A)	400	19,862
Major Drilling Group International, Inc. (A)	6,800	21,488
Maple Leaf Foods, Inc. (C)	2,840	59,641
Martinrea International, Inc.	5,613	42,503
Medical Facilities Corp.	2,104	6,726
MEG Energy Corp. (A)	13,888	38,566
Melcor Developments, Ltd.	1,000	5,547
Morguard Corp.	400	37,484
Morneau Shepell, Inc.	3,098	72,316
Mountain Province Diamonds, Inc. (A)(C)	6,800	1,528
MTY Food Group, Inc.	742	13,303
Mullen Group, Ltd. (C)	7,082	37,924
New Gold, Inc. (A)(C)	28,915	39,189
NFI Group, Inc.	2,279	27,950
Norbord, Inc. (C)	2,572	58,711
North American Construction Group, Ltd.	2,100	13,164
NuVista Energy, Ltd. (A)(C)	15,505	8,794
Obsidian Energy, Ltd. (A)	6,789	2,850
Osisko Gold Royalties, Ltd.	7,619	76,100
Painted Pony Energy, Ltd. (A)(C)	7,448	2,578
Pan American Silver Corp.	9,385	285,020
Pan American Silver Corp., CVR (A)	19,100	13,103
Paramount Resources, Ltd., Class A (A)(C)	5,173	6,059
Parex Resources, Inc. (A)	8,316	100,213
Park Lawn Corp.	1,182	19,520
Pason Systems, Inc.	5,636	30,804
Peyto Exploration & Development Corp. (C)	10,197	13,445
Pinnacle Renewable Energy, Inc. (C)	1,400	4,506
Pizza Pizza Royalty Corp.	1,729	10,622
Polaris Infrastructure, Inc.	1,500	15,955
PolyMet Mining Corp. (A)	11,854	4,977
PrairieSky Royalty, Ltd. (C)	9,727	61,474
Precision Drilling Corp. (A)(C)	21,659	16,433
Premier Gold Mines, Ltd. (A)(C)	4,127	6,718
Premium Brands Holdings Corp. (C)	1,400	89,305
Pretium Resources, Inc. (A)	8,300	69,452
Pulse Seismic, Inc. (A)	2,882	2,187
Quarterhill, Inc.	9,800	15,087
Questerre Energy Corp., Class A (A)(C)	19,444	1,647
Real Matters, Inc. (A)	3,500	68,268
Recipe Unlimited Corp. (C)	1,300	8,877
Reitmans Canada, Ltd., Class A (B)	3,200	177
Richelieu Hardware, Ltd.	4,500	95,728
Rocky Mountain Dealerships, Inc.	100	306
Rogers Sugar, Inc. (C)	6,474	22,318
Roxgold, Inc. (A)	19,200	21,638
Russel Metals, Inc. (C)	3,846	45,950
Sabina Gold & Silver Corp. (A)	20,475	29,409
Sandstorm Gold, Ltd. (A)(C)	12,031	115,471
Savaria Corp. (C)	2,300	21,109

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Seabridge Gold, Inc. (A)(C)	1,222	\$ 21,459
Secure Energy Services, Inc.	5,954	7,324
SEMAFO, Inc. (A)	19,478	66,428
Seven Generations Energy, Ltd., Class A (A)(C)	11,092	24,756
ShawCor, Ltd.	4,173	8,330
Sienna Senior Living, Inc. (C)	3,606	24,569
Sierra Wireless, Inc. (A)	2,600	23,346
Sleep Country Canada Holdings, Inc. (D)	2,813	33,298
SNC-Lavalin Group, Inc. (C)	800	13,500
Spin Master Corp. (A)(D)	700	12,648
Sprott, Inc.	1,329	47,762
SSR Mining, Inc. (A)(C)	6,762	144,096
Stantec, Inc.	4,578	141,326
Stella-Jones, Inc.	2,400	60,354
Storm Resources, Ltd. (A)	2,200	2,350
SunOpta, Inc. (A)	5,608	26,396
Superior Plus Corp. (C)	6,557	53,708
Surge Energy, Inc. (C)	21,600	5,330
Tamarack Valley Energy, Ltd. (A)(C)	11,685	7,660
Taseko Mines, Ltd. (A)	16,100	7,946
Teranga Gold Corp. (A)	6,581	59,625
Tervita Corp. (A)	616	1,729
TFI International, Inc.	3,885	137,904
The North West Company, Inc. Tidewater Midstream and Infrastructure, Ltd. (C)	6,650	4,017
Timbercreek Financial Corp.	6,000	37,964
TLC Vision Corp. (A)	3,400	0
TMAC Resources, Inc. (A)(C)	2,100	2,506
TORC Oil & Gas, Ltd. (C)	13,180	16,504
Torex Gold Resources, Inc. (A)	5,460	86,026
Total Energy Services, Inc.	3,132	4,845
Tourmaline Oil Corp.	11,571	101,170
TransAlta Corp.	18,082	107,219
TransAlta Renewables, Inc.	6,998	75,207
Transcontinental, Inc., Class A (C)	3,683	40,964
TransGlobe Energy Corp.	5,600	3,094
Trevali Mining Corp. (A)(C)	37,134	2,462
Trican Well Service, Ltd. (A)(C)	26,009	15,710
Tricon Capital Group, Inc.	5,668	38,201
Trisura Group, Ltd. (A)	300	13,535
Turquoise Hill Resources, Ltd. (A)	10,500	7,734
Uni-Select, Inc.	3,401	18,463
Vecima Networks, Inc.	479	3,687
Wajax Corp.	1,300	8,044
Wesdome Gold Mines, Ltd. (A)	8,000	69,122
West Fraser Timber Company, Ltd. (C)	2,236	78,596
Western Forest Products, Inc. (C)	25,850	17,708
Westshore Terminals Investment Corp. (C)	1,589	19,558
Whitecap Resources, Inc. (C)	15,868	26,065
WildBrain, Ltd. (A)(C)	10,382	9,942
Winpak, Ltd.	1,577	48,311
Yamana Gold, Inc.	55,269	300,446
Yellow Pages, Ltd.	200	1,326
Zenith Capital Corp. (A)	1,700	175
		8,290,646
China - 0.1%		
FIH Mobile, Ltd. (A)	195,000	21,022
Goodbaby International Holdings, Ltd. (A)	71,000	8,013
TK Group Holdings, Ltd.	26,000	7,566
Yangzijiang Shipbuilding Holdings, Ltd.	23,200	15,618
		52,219
Denmark - 2.3%		
ALK-Abello A/S (A)	424	113,499

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Denmark (continued)		
Alm Brand A/S	2,824	\$ 26,437
Amagerbanken A/S (A)(B)	25,580	0
Ambu A/S, Class B	4,878	154,205
Bang & Olufsen A/S (A)(C)	7,788	15,959
Bavarian Nordic A/S (A)	2,244	61,510
D/S Norden A/S	2,246	30,303
Dfds A/S (A)	1,797	55,775
FLSmidth & Company A/S (A)	1,871	54,422
H+H International A/S, Class B (A)	1,146	18,445
INVISIO AB	481	7,597
ISS A/S (A)	4,208	66,817
Jeudan A/S (A)	380	14,451
Jyske Bank A/S (A)	3,920	115,349
Lan & Spar Bank A/S	225	14,949
Matas A/S (A)	2,910	25,820
Netcompany Group A/S (A)(D)	235	15,445
Nilfisk Holding A/S (A)	903	12,481
NKT A/S (A)(C)	2,134	47,865
NNIT A/S (D)	479	8,468
Pandora A/S	4,061	221,789
Per Aarsleff Holding A/S	1,380	49,731
Ringkjoebing Landbobank A/S	1,650	116,896
Rockwool International A/S, A Shares	136	33,220
Rockwool International A/S, B Shares	377	102,602
Royal Unibrew A/S (A)	2,303	191,983
Scandinavian Tobacco Group A/S (D)	2,633	38,881
Schouw & Company A/S	797	63,672
SimCorp A/S	2,225	240,639
Solar A/S, B Shares	410	15,972
Spar Nord Bank A/S (A)	4,967	39,586
Sydbank A/S (A)	3,740	69,390
The Drilling Company of 1972 A/S (A)	190	4,029
Tivoli A/S (A)	102	10,810
Topdanmark A/S	2,221	91,998
United International Enterprises, Ltd.	128	25,258
Vestjysk Bank A/S (A)	23,113	9,986
Zealand Pharma A/S (A)	1,273	43,979
		2,230,218
Finland - 2.7%		
Adapteo OYJ (A)	1,982	16,919
Ahlstrom-Munksjo OYJ	4,382	65,765
Aktia Bank OYJ	2,328	23,104
Alma Media OYJ	1,962	15,135
Atria OYJ	1,021	9,997
BasWare OYJ (A)	538	18,079
Bittium OYJ	2,708	18,960
Cargotec OYJ, B Shares	2,007	46,862
Caverion OYJ	3,325	22,537
Citycon OYJ	5,523	38,508
Enento Group OYJ (A)(D)	860	35,591
Ferratum OYJ (A)	459	1,930
Finnair OYJ (A)(C)	4,081	3,633
Fiskars OYJ ABP	3,218	37,101
F-Secure OYJ (A)	7,159	23,128
HKScan OYJ, A Shares (A)	316	716
Huhtamaki OYJ (A)(C)	5,367	212,322
Ilkka-Yhtyma OYJ	1,535	5,245
Kemira OYJ	7,709	99,525
Kesko OYJ, A Shares	2,760	44,747
Kesko OYJ, B Shares	11,740	200,957
Kojamo Oyj	2,348	49,622
Konecranes OYJ	3,667	83,211
Lassila & Tikanoja OYJ	1,929	28,438
Lehto Group OYJ (A)	1,159	2,040
Metsa Board OYJ	10,846	73,622

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Finland (continued)		
Metso OYJ	6,038	\$ 198,429
Nokian Renkaat OYJ	6,362	139,845
Olvi OYJ, A Shares	1,172	55,542
Oriola OYJ, B Shares	9,290	20,917
Orion OYJ, Class A	1,226	59,395
Orion OYJ, Class B (C)	4,866	235,973
Outokumpu OYJ (A)	19,116	54,737
Outotec OYJ	6,904	38,283
Pihlajalinna OYJ (A)	1,193	18,848
Ponsse OYJ	543	15,495
QT Group OYJ (A)	770	23,434
Raisio OYJ, V Shares	8,267	28,302
Revenio Group OYJ	643	20,397
Sanoma OYJ	4,094	41,515
Terveystalo OYJ (D)	1,103	10,861
TietoEVRY OYJ (A)	2,544	69,641
Tikkurila OYJ	2,646	36,843
Tokmanni Group Corp.	3,550	52,666
Uponor OYJ	2,026	27,437
Vaisala OYJ, A Shares	952	35,697
Valmet OYJ	6,664	174,661
YIT OYJ	10,171	55,513
		2,592,125
France - 4.0%		
ABC arbitrage	1,420	10,924
Air France-KLM (A)(C)	11,018	50,044
AKWEL	725	11,770
Albioma SA	1,912	79,038
ALD SA (D)	987	9,800
Altamir	752	12,859
Alten SA (A)	1,382	119,415
Assystem SA	1,078	26,915
Aubay	399	12,581
Axway Software SA	531	10,640
Bastide le Confort Medical (A)	256	9,985
Beneteau SA	2,839	20,310
Boiron SA	274	11,305
Bonduelle SCA	1,027	24,746
Burelle SA	15	9,086
Casino Guichard Perrachon SA (A)(C)	2,995	110,959
Cegedim SA (A)	186	6,041
CGG SA (A)	29,813	32,930
Chargeurs SA	2,292	34,672
Cie des Alpes	874	17,422
Cie Plastic Omnium SA	3,159	64,716
Coface SA (A)	7,024	46,348
Derichebourg SA	6,625	19,087
Devoteam SA	277	22,839
Electricite de Strasbourg SA	81	9,737
Elior Group SA (C)(D)	4,760	27,232
Elis SA (A)	6,449	75,661
Eramet (A)	445	16,049
Etablissements Maurel et Prom SA (A)(C)	1,561	3,102
Europcar Mobility Group (A)(C)(D)	5,117	12,221
Eutelsat Communications SA	9,105	84,224
Exel Industries SA, A Shares (A)	89	3,792
Faurecia SE (A)	2,702	106,157
Fnac Darty SA (A)	1,390	57,729
Gaztransport Et Technigaz SA	1,087	83,414
GL Events	1,085	15,090
Groupe Crit (A)	163	9,641
Groupe Open (A)	410	4,490
Guerbet	508	19,203
Haulotte Group SA	962	5,452
ID Logistics Group (A)	176	34,163

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Imerys SA	1,434	\$ 49,238
Ingenico Group SA (A)	3,076	494,195
Ipsen SA	152	12,894
IPSOS	2,286	57,630
Jacquet Metal Service SA	1,278	16,834
JCDecaux SA (A)(C)	1,852	34,596
Kaufman & Broad SA	901	31,189
Korian SA (A)	3,163	116,092
Lagardere SCA (A)(C)	3,040	43,431
Laurent-Perrier	110	9,516
Lectra	1,346	24,381
LISI (A)	1,205	25,177
LNA Sante SA	511	27,249
Maisons du Monde SA (D)	1,925	25,415
Manitou BF SA (A)	880	17,191
Manutan International	105	6,089
Mersen SA	1,171	28,097
Metropole Television SA (A)	1,324	14,977
Nexans SA (A)	2,031	94,494
Nexity SA	2,361	76,797
Nicox (A)	3,009	13,786
NRJ Group (A)	782	4,830
Onxeo SA (A)(C)	4,617	3,940
Pierre & Vacances SA (A)	142	2,565
Plastivaloire (A)	383	1,604
Quadiant	2,721	39,768
Rallye SA (A)	1,771	14,026
Recylex SA (A)(B)(C)	1,058	2,197
Rexel SA	15,736	180,352
Robertet SA	28	29,381
Rothschild & Company (A)	1,372	33,293
Rubis SCA (C)	2,557	123,277
Savencia SA (A)	372	22,590
SCOR SE (A)	435	12,014
Seche Environnement SA	335	12,321
Societe BIC SA (C)	1,252	63,750
Societe pour l'Informatique Industrielle	438	10,127
SOITEC (A)	1,176	131,002
Solocal Group (A)(B)(C)	36,459	6,591
Somfy SA	407	41,148
Sopra Steria Group	705	87,215
SPIE SA	7,967	119,713
Stef SA (A)	202	16,431
Synergie SA (A)	557	14,185
Tarkett SA (A)	1,942	22,679
Technicolor SA (A)(C)	685	2,129
Television Francaise 1 (A)	3,803	20,635
Thermador Groupe	453	26,601
Trigano SA	463	48,721
Valeo SA	460	12,133
Vallourec SA (A)(C)	493	20,792
Valneva SE (A)	2,831	13,766
Vetoquinol SA	56	3,858
Vicat SA	1,404	43,167
VIEL & Cie SA	6,040	34,572
Vilmorin & Cie SA	614	32,484
Virbac SA (A)	180	39,455
		3,854,369
Gabon - 0.0%		
Total Gabon	20	2,325
Georgia - 0.0%		
Bank of Georgia Group PLC (A)	2,491	33,216
Georgia Capital PLC (A)	1,145	6,551
TBC Bank Group PLC (A)	239	2,639
		42,406

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany - 6.1%		
1&1 Drillisch AG	1,558	\$ 40,587
Aareal Bank AG (A)	2,902	56,694
ADO Properties SA (A)(D)	2,109	57,524
ADVA Optical Networking SE (A)	5,162	34,207
AIXTRON SE (A)	3,257	39,276
Allgeier SE (C)	498	18,644
Amadeus Fire AG (A)	408	50,645
Atoss Software AG	218	25,346
Aurubis AG	2,018	124,750
Basler AG	162	10,879
Bauer AG (A)	959	10,473
BayWa AG	1,025	33,138
Bechtle AG	1,408	249,554
Bertrandt AG	394	15,560
bet-at-home.com AG	350	15,187
Bijou Brigitte AG (A)	340	10,924
Bilfinger SE	2,311	44,269
Borussia Dortmund GmbH & Company KGaA	3,564	23,104
CANCOM SE	1,836	97,874
CECONOMY AG (A)	8,144	28,415
CENIT AG (A)	446	4,796
Centrotec SE (A)	291	4,564
Cewe Stiftung & Company KGAA	503	55,621
comdirect bank AG (A)	2,610	39,914
Commerzbank AG (A)	18,522	82,550
CompuGroup Medical SE & Company KgaA	1,368	107,663
CropEnergies AG	1,544	15,538
CTS Eventim AG & Company KGaA (A)	3,354	140,049
Deutsche Beteiligungs AG	854	28,999
Deutsche EuroShop AG (A)(C)	2,527	35,711
Deutsche Pfandbriefbank AG (A)(D)	7,700	56,340
Deutz AG (A)	7,260	34,164
DIC Asset AG	3,005	40,372
Dr. Hoenle AG	420	22,791
Draegerwerk AG & Company KGaA	82	5,505
Duerr AG	3,200	83,530
Eckert & Ziegler Strahlen- und Medizintechnik AG	402	67,325
Elmos Semiconductor AG	392	9,546
ElringKlinger AG (A)(C)	2,576	15,398
Fielmann AG	1,241	83,726
First Sensor AG	676	29,504
Freenet AG	6,277	100,801
FUCHS PETROLUB SE	1,085	36,539
GEA Group AG	6,434	204,203
Gerresheimer AG	1,930	178,361
Gesco AG	885	15,191
GFT Technologies SE	961	11,682
GRENKE AG	500	38,786
H&R GmbH & Company KGaA (A)	1,324	8,543
Hamburger Hafen und Logistik AG	1,330	22,587
Heidelberger Druckmaschinen AG (A)	18,003	11,629
Hella GmbH & Company KGaA	2,112	86,758
HOCHTIEF AG	295	26,249
Hornbach Baumarkt AG	921	29,691
Hornbach Holding AG & Company KGaA	697	57,787
HUGO BOSS AG	3,312	100,372
Hypoport SE (A)	73	32,473
Indus Holding AG (A)	975	32,924
Instone Real Estate Group AG (A)(D)	1,397	30,309
Jenoptik AG	2,990	69,852
JOST Werke AG (A)(D)	356	12,024
K+S AG (C)	10,944	69,370

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
KION Group AG	293	\$ 18,040
Kloeckner & Company SE (A)	5,538	30,352
Koenig & Bauer AG (A)	912	20,427
Krones AG	775	49,774
KWS Saat SE & Company KGaA	381	28,570
LANXESS AG	4,224	223,371
Leifheit AG (A)	437	12,148
Leoni AG (A)(C)	2,398	18,019
LPKF Laser & Electronics AG	1,100	23,870
Manz AG (A)(C)	233	4,608
Medigene AG (A)(C)	760	4,248
METRO AG	3,100	29,419
MLP SE	5,864	36,009
New Work SE	163	50,273
Nexus AG	866	38,068
Nordex SE (A)	4,553	45,484
Norma Group SE (A)	1,379	36,912
OHB SE (A)	399	18,771
OSRAM Licht AG (A)	4,525	207,390
PATRIZIA AG	3,146	76,310
Pfeiffer Vacuum Technology AG	311	57,428
PNE AG	4,544	25,509
ProSiebenSat.1 Media SE (A)	8,224	98,278
PSI Software AG	815	18,320
QSC AG	6,549	9,864
Rheinmetall AG	2,634	228,886
RHOEN-KLINIKUM AG	2,065	42,138
RIB Software SE	2,883	93,921
Rocket Internet SE (A)(D)	4,038	87,000
SAF-Holland SE (A)	4,007	23,648
Salzgitter AG (A)	1,978	27,832
SGL Carbon SE (A)	1,013	3,690
Siltronic AG	981	100,595
Sixt SE (A)(C)	694	53,284
SMA Solar Technology AG (A)	916	28,412
Software AG	2,120	85,627
STRATEC SE	407	39,879
Stroer SE & Company KGaA (A)	1,850	124,841
Suedzucker AG	3,535	55,791
SUESS MicroTec SE (A)	2,259	36,702
Surteco Group SE	496	11,156
TAG Immobilien AG (A)	6,907	164,966
Takkt AG	2,476	25,356
Technotrans SE (A)	530	9,842
Tele Columbus AG (A)(D)	1,029	3,581
Traffic Systems SE	106	4,006
United Internet AG	628	26,682
Varta AG (A)(C)	239	26,970
VERBIO Vereinigte BioEnergie AG	1,482	15,516
Vossloh AG (A)	859	37,675
Wacker Chemie AG	759	52,188
Wacker Neuson SE (A)	2,553	38,654
Washtec AG (A)	611	25,180
Wuestenrot & Wuerttembergische AG	1,566	26,685
Zeal Network SE	349	12,560
		5,821,512
Gibraltar - 0.0%		
888 Holdings PLC	12,231	26,453
Greece - 0.0%		
Alapis Holding Industrial & Commercial SA of Pharmaceutical Chemical Products (A)(B)	3,303	68
TT Hellenic Postbank SA (A)(B)	12,594	0
		68

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Guernsey, Channel Islands - 0.0%		
Raven Property Group, Ltd. (A)	5,498	\$ 2,282
Hong Kong - 2.5%		
3D-Gold Jewellery Holdings, Ltd. (A)(B)	90,000	0
Allied Group, Ltd.	6,000	36,453
Allied Properties HK, Ltd.	160,000	39,114
APAC Resources, Ltd.	15,396	1,669
Apollo Future Mobility Group, Ltd. (A)(C)	56,000	3,509
Asia Financial Holdings, Ltd.	14,000	6,317
Associated International Hotels, Ltd.	28,000	53,456
BOE Varitronix, Ltd.	18,000	5,755
Bright Smart Securities & Commodities Group, Ltd. (C)	26,000	5,140
Brightoil Petroleum Holdings, Ltd. (A)(B)	117,000	13,020
Burwill Holdings, Ltd. (A)(B)	292,000	2,675
Cafe de Coral Holdings, Ltd.	18,000	37,417
Camsing International Holding, Ltd. (A)(B)	16,000	2,395
Chen Hsong Holdings	10,000	2,339
Cheuk Nang Holdings, Ltd.	3,622	1,664
China Energy Development Holdings, Ltd. (A)(C)	634,000	13,934
China Solar Energy Holdings, Ltd. (A)(B)	42,500	0
China Strategic Holdings, Ltd. (A)(C)	885,000	3,211
Chinese Estates Holdings, Ltd.	22,000	14,663
Chong Hing Bank, Ltd.	10,000	12,306
Chow Sang Sang Holdings International, Ltd.	22,000	23,399
Chuung's Consortium International, Ltd.	30,948	4,323
CITIC Telecom International Holdings, Ltd.	59,000	18,797
CSI Properties, Ltd.	245,066	7,710
CST Group, Ltd. (A)	2,210,240	6,238
Dah Sing Banking Group, Ltd.	18,000	16,518
Dah Sing Financial Holdings, Ltd.	6,520	18,355
Dynamic Holdings, Ltd.	8,000	12,199
EganaGoldpfeil Holdings, Ltd. (A)(B)	103,373	0
Emperor Capital Group, Ltd. (A)	192,000	3,318
Emperor Entertainment Hotel, Ltd.	40,000	5,395
Emperor International Holdings, Ltd.	97,333	16,273
Esprit Holdings, Ltd. (A)	117,900	12,879
Fairwood Holdings, Ltd. (C)	3,500	7,844
Far East Consortium International, Ltd.	79,809	26,165
First Pacific Company, Ltd.	146,000	28,012
Get Nice Holdings, Ltd.	591,000	10,154
Giordano International, Ltd.	82,000	12,469
Gold-Finance Holdings, Ltd. (A)(B)	62,000	576
Great Eagle Holdings, Ltd.	10,000	25,243
G-Resources Group, Ltd. (A)	2,014,800	9,911
Guotai Junan International Holdings, Ltd.	207,000	27,165
Haitong International Securities Group, Ltd.	114,070	27,378
Hang Lung Group, Ltd.	21,000	49,144
Hanison Construction Holdings, Ltd.	27,441	3,719
Harbour Centre Development, Ltd.	38,000	40,775
HKBN, Ltd.	36,000	63,128
HKR International, Ltd.	51,920	23,267
Hong Kong Ferry Holdings Company, Ltd.	29,000	21,977
Hongkong Chinese, Ltd.	66,000	6,239
Hsin Chong Group Holdings, Ltd. (A)(B)	170,000	7,677
Hutchison Port Holdings Trust	161,400	15,554
Hutchison Telecommunications Hong Kong Holdings, Ltd.	80,000	12,755
Hysan Development Company, Ltd.	25,000	80,706
IT, Ltd.	44,601	6,548
Johnson Electric Holdings, Ltd.	20,500	36,460
K Wah International Holdings, Ltd.	80,000	34,649

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Kerry Logistics Network, Ltd.	24,000	\$ 31,995
Kerry Properties, Ltd.	28,500	74,033
Kingston Financial Group, Ltd.	38,000	3,414
Kowloon Development Company, Ltd.	22,000	24,002
Lai Sun Development Company, Ltd.	15,320	16,092
Landing International Development, Ltd. (A)	75,600	2,449
Langham Hospitality Investments and Langham Hospitality Investments, Ltd.	22,500	3,517
Leyou Technologies Holdings, Ltd. (A)	40,000	13,206
Lifestyle International Holdings, Ltd.	25,000	20,632
Lippo China Resources, Ltd.	36,000	722
Liu Chong Hing Investment, Ltd.	16,000	14,645
Luk Fook Holdings International, Ltd.	15,000	32,611
Man Wah Holdings, Ltd.	76,000	73,194
Mandarin Oriental International, Ltd.	8,000	12,121
Mason Group Holdings, Ltd. (C)	1,548,800	5,030
Melco International Development, Ltd.	33,000	64,340
Midland Holdings, Ltd. (A)	34,734	3,600
Miramar Hotel & Investment	15,000	26,760
Nameson Holdings, Ltd.	62,000	3,211
NewOcean Energy Holdings, Ltd. (A)	66,000	6,233
NWS Holdings, Ltd.	39,000	33,924
OP Financial, Ltd.	32,000	3,608
Oshidori International Holdings, Ltd.	204,000	25,390
Pacific Andes International Holdings, Ltd. (A)(B)	328,006	0
Pacific Basin Shipping, Ltd.	294,000	43,223
Pacific Textiles Holdings, Ltd.	42,000	20,358
Paliburg Holdings, Ltd.	46,000	11,792
Peace Mark Holdings, Ltd. (A)(B)	164,000	0
Perfect Shape Medical, Ltd.	32,000	11,501
Pico Far East Holdings, Ltd.	60,000	9,164
Playmates Holdings, Ltd.	78,000	8,762
Polytec Asset Holdings, Ltd.	152,200	15,187
Public Financial Holdings, Ltd.	24,000	6,614
PYI Corp., Ltd. (A)	372,000	3,257
Regal Hotels International Holdings, Ltd.	36,000	14,243
Regina Miracle International Holdings, Ltd. (D)	17,000	4,855
Sa Sa International Holdings, Ltd. (C)	64,847	11,000
SEA Holdings, Ltd.	19,268	14,113
Shangri-La Asia, Ltd.	46,000	39,748
Shenwan Hongyuan HK, Ltd.	20,000	2,281
Shun Tak Holdings, Ltd.	80,250	30,047
Singamas Container Holdings, Ltd.	114,000	7,510
SITC International Holdings Company, Ltd.	64,000	68,527
SmarTone Telecommunications Holdings, Ltd.	31,500	16,913
SOCAM Development, Ltd. (A)	3,892	843
South China Holdings Company, Ltd. (A)	640,000	10,632
Stella International Holdings, Ltd.	20,000	20,512
Summit Ascent Holdings, Ltd. (A)	90,000	6,671
Sun Hung Kai & Company, Ltd.	45,000	17,713
SUNeVision Holdings, Ltd.	18,000	14,172
TAI Cheung Holdings, Ltd.	33,000	21,026
Tao Heung Holdings, Ltd.	14,000	1,813
Television Broadcasts, Ltd.	19,100	22,262
Texwinca Holdings, Ltd.	60,000	8,879
The Cross-Harbour Holdings, Ltd.	19,716	27,981
The Hongkong & Shanghai Hotels, Ltd.	31,903	28,922
The United Laboratories International Holdings, Ltd.	42,000	36,373
TOM Group, Ltd. (A)	96,000	14,523

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Town Health International Medical Group, Ltd. (B)(C)	261,361	\$ 12,216
Tradelink Electronic Commerce, Ltd.	50,000	5,823
Transport International Holdings, Ltd.	11,721	22,780
Upbest Group, Ltd.	164,000	19,101
Value Partners Group, Ltd.	27,000	13,764
Vitasoy International Holdings, Ltd. (C)	18,000	69,187
VSTECs Holdings, Ltd. (C)	45,200	24,432
VTech Holdings, Ltd.	6,900	41,567
Wai Kee Holdings, Ltd.	24,000	11,853
Wing On Company International, Ltd.	4,000	9,072
Wing Tai Properties, Ltd.	70,000	35,372
YT Realty Group, Ltd.	9,152	2,476
Yue Yuen Industrial Holdings, Ltd.	30,000	45,728
Zhaobangji Properties Holdings, Ltd. (A)	88,000	13,663
		2,371,136
Ireland - 0.4%		
Bank of Ireland Group PLC (A)	2,249	4,634
C&C Group PLC	13,557	38,645
Cairn Homes PLC	9,684	9,439
FBD Holdings PLC (A)	778	5,922
Glanbia PLC	5,573	63,330
Grafton Group PLC	14,783	120,886
Greencore Group PLC	23,830	37,070
Hostelworld Group PLC (D)	3,022	2,397
Irish Continental Group PLC	5,309	21,248
UDG Healthcare PLC	11,802	104,897
		408,468
Isle of Man - 0.1%		
Hansard Global PLC	6,816	2,789
Playtech PLC	17,326	60,537
Strix Group PLC	6,042	14,400
		77,726
Israel - 1.2%		
AFI Properties, Ltd. (A)	558	13,047
Airport City, Ltd. (A)	1	6
Allot, Ltd. (A)	2,103	22,307
Alrov Properties and Lodgings, Ltd.	399	9,590
Ashtrom Group, Ltd.	1,149	12,196
Ashtrom Properties, Ltd.	2,078	7,070
AudioCodes, Ltd.	1,955	62,899
Azorim-Investment Development & Construction Company, Ltd. (A)	3,848	6,990
Bayside Land Corp.	50	26,083
Bet Shemesh Engines Holdings 1997, Ltd. (A)	358	6,101
Big Shopping Centers, Ltd.	381	26,558
Blue Square Real Estate, Ltd.	215	7,492
Camtek, Ltd.	1,035	12,843
Cellcom Israel, Ltd. (A)(C)	1,966	7,785
Cellcom Israel, Ltd. (New York Stock Exchange) (A)	825	3,226
Clal Insurance Enterprises Holdings, Ltd. (A)	1,967	16,520
Compugen, Ltd. (A)	1,251	18,516
Danel Adir Yeoshua, Ltd.	134	12,556
Delek Automotive Systems, Ltd.	1,858	8,475
Delek Group, Ltd. (A)	92	2,213
Delta Galil Industries, Ltd.	618	7,085
El Al Israel Airlines (A)	24,289	4,055
Electra Consumer Products 1970, Ltd.	445	10,349
Electra, Ltd.	139	59,279
Energix-Renewable Energies, Ltd. (A)	4,212	15,879
Enlight Renewable Energy, Ltd. (A)	13,397	20,545

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Israel (continued)		
Equital, Ltd. (A)	992	\$ 18,205
Formula Systems 1985, Ltd.	549	42,788
Fox Wizel, Ltd.	488	17,987
Gilat Satellite Networks, Ltd. (A)	1,452	9,423
Hadera Paper, Ltd. (A)	244	7,526
Harel Insurance Investments & Financial Services, Ltd.	4,995	27,158
Hilan, Ltd. (A)	1,033	41,816
IDI Insurance Company, Ltd.	440	10,279
Inrom Construction Industries, Ltd.	2,183	7,176
Intercure, Ltd. (A)(C)	3,504	3,923
Isras Investment Company, Ltd.	142	19,336
Kamada, Ltd. (A)	1,616	12,314
Magic Software Enterprises, Ltd.	1,349	15,349
Matrix IT, Ltd.	2,095	44,769
Maytronics, Ltd.	1,808	20,542
Mediterranean Towers, Ltd. (A)	4,044	8,505
Mega Or Holdings, Ltd.	757	16,920
Mehadrin, Ltd. (A)	15	511
Menora Mivtachim Holdings, Ltd.	1,766	17,754
Migdal Insurance & Financial Holdings, Ltd.	27,734	14,471
Mivne Real Estate KD, Ltd. (A)	10,717	19,422
Mivtach Shamir Holdings, Ltd. (A)	397	6,385
Naphtha Israel Petroleum Corp., Ltd. (A)	2,030	6,641
Nova Measuring Instruments, Ltd. (A)	1,872	90,185
Oil Refineries, Ltd.	102,102	19,064
One Software Technologies, Ltd.	170	12,172
OPC Energy, Ltd.	1,332	10,894
Partner Communications Company, Ltd. (A)	6,688	29,724
Paz Oil Company, Ltd.	525	42,196
Plasson Industries, Ltd.	241	8,387
Plus500, Ltd.	2,945	48,035
Rami Levy Chain Stores Hashikma Marketing 2006, Ltd.	449	24,903
Scope Metals Group, Ltd.	377	5,646
Shikun & Binui, Ltd. (A)	10,724	38,366
Shufersal, Ltd.	2,440	15,941
Summit Real Estate Holdings, Ltd.	2,363	21,656
The Phoenix Holdings, Ltd. (A)	5,097	18,928
YH Dimri Construction & Development, Ltd.	285	7,483
		1,182,445
Italy - 4.0%		
A2A SpA	88,577	125,906
ACEA SpA	3,476	66,835
Amplifon SpA (A)	3,081	82,309
Anima Holding SpA (D)	14,880	64,271
Aquafil SpA (A)(C)	969	4,270
Arnoldo Mondadori Editore SpA (A)	12,613	13,656
Ascopiave SpA	4,243	17,877
Autogrill SpA (A)	6,245	32,973
Avio SpA (A)	877	15,108
Azimut Holding SpA	7,499	128,709
Banca Farmafactoring SpA (D)	8,151	46,443
Banca Generali SpA	3,249	97,693
Banca IFIS SpA	1,607	15,525
Banca Mediolanum SpA	3,386	24,368
Banca Popolare di Sondrio SCPA (A)	28,436	53,908
Banca Profilo SpA (C)	24,032	5,390
Banco BPM SpA (A)(C)	97,273	145,696
BF SpA (C)	1,608	6,487
Biesse SpA (A)	835	10,602
BPER Banca (A)(C)	26,394	65,982

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
Brunello Cucinelli SpA (A)	1,411	\$ 42,033
Buzzi Unicem SpA	4,611	99,633
Buzzi Unicem SpA, Savings Shares	2,302	28,704
Cairo Communication SpA (A)	4,712	7,763
Cementir Holding NV	4,165	29,740
Cerved Group SpA (A)	10,299	74,076
CIR SpA-Compagnie Industriali (A)	60,979	28,543
Credito Emiliano SpA (A)	6,238	30,902
Credito Valtellinese SpA (A)	5,043	29,936
Danieli & C Officine Meccaniche SpA	788	10,101
Datalogic SpA	984	12,217
De' Longhi SpA (A)	2,476	64,943
DeA Capital SpA (A)	4,665	6,674
DiaSorin SpA	292	56,077
Enav SpA (D)	13,939	62,966
ERG SpA	2,242	48,446
Esprinet SpA (A)	3,554	15,094
Eurotech SpA (A)(C)	1,562	9,797
Falck Renewables SpA	9,073	55,661
Fincantieri SpA (A)(C)	18,635	12,875
FincoBank Banca Finco SpA (A)	1,735	23,482
Freni Brembo SpA (A)	9,683	89,934
Geox SpA (A)(C)	8,390	6,811
Gruppo MutuiOnline SpA	2,096	44,691
Hera SpA	45,093	169,312
Illimity Bank SpA (A)	3,232	26,732
IMA Industria Macchine Automatiche SpA (A)	816	49,126
IMMSI SpA (A)	6,756	2,964
Interpump Group SpA	4,044	120,567
Iren SpA	30,720	76,285
Italgas SpA	28,535	166,063
Italmobiliare SpA	1,654	54,109
Juventus Football Club SpA (A)	30,558	31,745
La Doria SpA	1,205	15,386
Leonardo SpA	10,796	71,970
Maire Tecnimont SpA (A)(C)	10,323	20,116
MARR SpA (A)	1,645	24,749
Mediaset SpA (A)(C)	18,917	33,679
OVS SpA (A)(C)(D)	9,134	9,970
Piaggio & C SpA	11,658	28,257
Pirelli & C. SpA (A)(C)(D)	17,419	74,106
Prima Industrie SpA (A)(C)	178	2,604
Prysmian SpA	4,127	95,739
RAI Way SpA (D)	5,678	37,348
Reno de Medici SpA	15,969	12,762
Reply SpA	832	67,516
Retelit SpA	7,126	14,130
SAES Getters SpA	213	5,749
Safilo Group SpA (A)(C)	2,378	1,894
Saipem SpA	41,655	104,517
Salvatore Ferragamo SpA (A)	2,944	39,922
Saras SpA (A)	28,012	22,082
Sesa SpA	320	19,418
Societa Cattolica di Assicurazioni SC (A)(C)	11,261	64,816
Sogefi SpA (A)(C)	3,551	3,508
SOL SpA	2,802	33,135
Tamburi Investment Partners SpA	5,435	35,530
Technogym SpA (A)(D)	3,895	32,598
Tinexta SpA (A)	1,069	14,380
Tod's SpA (A)(C)	590	17,577
Unieuro SpA (A)(D)	707	5,961
Unione di Banche Italiane SpA (A)	63,162	207,324
Unipol Gruppo SpA (A)	23,441	91,572

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
Webuild SpA	14,544	\$ 22,881
Zignago Vetro SpA	1,669	24,979
		3,868,185
Japan - 24.8%		
Access Company, Ltd.	2,300	21,183
Achilles Corp.	1,000	18,055
Adastria Company, Ltd.	920	14,628
ADEKA Corp.	4,700	62,474
Advan Company, Ltd.	1,000	12,466
Aeon Delight Company, Ltd.	800	22,303
Aeon Fantasy Company, Ltd.	400	5,723
Aeon Hokkaido Corp.	1,800	13,939
Aeria, Inc. (A)(C)	700	3,258
Ai Holdings Corp. (C)	1,900	27,479
Aica Kogyo Company, Ltd.	400	13,145
Aichi Corp.	3,200	22,116
Aichi Steel Corp.	700	19,912
Aida Engineering, Ltd.	4,500	30,450
Aiful Corp. (A)	15,500	34,256
Aiphone Company, Ltd.	1,300	18,992
Airport Facilities Company, Ltd.	1,200	4,716
Aisan Industry Company, Ltd.	2,500	12,284
Aizawa Securities Company, Ltd.	2,400	15,245
Akatsuki, Inc.	400	14,269
Akebono Brake Industry Company, Ltd. (A)	9,400	15,015
Albis Company, Ltd.	500	10,162
Alconix Corp.	1,600	17,289
Alpen Company, Ltd. (C)	1,100	17,110
Altech Corp.	1,100	19,454
Amano Corp.	1,800	37,451
Anest Iwata Corp.	1,800	14,020
AOI TYO Holdings, Inc. (C)	1,200	4,923
AOKI Holdings, Inc.	3,100	18,008
Aoyama Trading Company, Ltd.	2,500	17,063
Arakawa Chemical Industries, Ltd.	1,400	16,124
Arata Corp.	700	31,449
Arcland Sakamoto Company, Ltd.	2,400	42,078
Arcland Service Holdings Company, Ltd. (C)	1,000	17,745
Arcs Company, Ltd.	2,625	52,894
Arealink Company, Ltd.	500	4,113
Argo Graphics, Inc.	1,000	31,321
Arisawa Manufacturing Company, Ltd.	2,900	21,604
Arrk Corp. (A)	4,200	4,459
As One Corp.	200	21,837
Asahi Company, Ltd.	800	11,068
Asahi Diamond Industrial Company, Ltd.	3,900	17,766
Asahi Holdings, Inc.	1,800	47,918
ASAHI YUKIZAI Corp.	1,200	15,979
Asanuma Corp.	700	26,882
Asia Pile Holdings Corp.	3,300	14,521
ASKA Pharmaceutical Company, Ltd.	1,600	18,053
ASKUL Corp.	1,000	32,120
Ateam, Inc.	800	6,410
Atom Corp.	5,000	38,036
Atsugi Company, Ltd.	1,200	6,812
Autobacs Seven Company, Ltd.	3,000	37,907
Avex, Inc.	2,500	19,777
Axell Corp.	100	694
Axial Retailing, Inc.	800	32,025
Bando Chemical Industries, Ltd.	2,500	15,214
Bank of the Ryukyus, Ltd.	3,000	26,724
BayCurrent Consulting, Inc.	900	75,252
Belc Company, Ltd.	500	34,241

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Bell System24 Holdings, Inc.	2,400	\$ 31,232
Belluna Company, Ltd.	5,000	28,261
BE NEXT Group, Inc. (C)	800	7,032
BML, Inc.	1,000	26,046
Bourbon Corp.	500	8,425
Broadleaf Company, Ltd. (C)	4,600	22,573
BRONCO BILLY Company, Ltd.	600	13,483
Bunka Shutter Company, Ltd.	5,000	34,628
C Uyemura & Company, Ltd.	400	24,185
CAC Holdings Corp. (C)	1,500	16,686
Can Do Company, Ltd.	900	17,377
Canon Electronics, Inc.	1,700	25,481
Carlit Holdings Company, Ltd.	2,100	9,882
Cawachi, Ltd.	900	23,246
Central Glass Company, Ltd.	2,800	47,625
Central Security Patrols Company, Ltd.	300	11,915
Central Sports Company, Ltd.	600	12,552
Chilled & Frozen Logistics Holdings Company, Ltd.	1,600	23,472
Chino Corp.	400	5,161
Chiyoda Company, Ltd.	800	8,764
Chiyoda Integre Company, Ltd.	800	12,317
Chofu Seisakusho Company, Ltd.	1,700	35,692
Chori Company, Ltd.	1,200	20,522
Chubu Shiryō Company, Ltd.	2,000	30,313
Chudenko Corp.	1,900	40,845
Chuetsu Pulp & Paper Company, Ltd.	500	7,214
Chugai Ro Company, Ltd.	500	7,108
Chugoku Marine Paints, Ltd.	4,000	29,786
CI Takiron Corp.	3,000	19,530
Citizen Watch Company, Ltd.	16,000	52,157
Cleanup Corp.	2,100	11,170
CMIC Holdings Company, Ltd.	1,200	15,873
CMK Corp.	3,700	14,323
cocokara fine, Inc.	1,140	61,624
Colowide Company, Ltd. (C)	2,700	36,857
Computer Engineering & Consulting, Ltd.	1,800	28,534
Comture Corp.	1,000	26,075
CONEXIO Corp.	1,300	17,209
Corona Corp.	300	2,877
Cosel Company, Ltd. (C)	1,200	10,480
Cosmo Energy Holdings Company, Ltd.	2,900	42,609
Cota Company, Ltd.	440	4,839
Create Restaurants Holdings, Inc.	5,000	32,979
Create SD Holdings Company, Ltd.	900	28,079
CTS Company, Ltd.	1,900	15,791
Curves Holdings Company, Ltd. (A)	2,000	10,967
Cybozu, Inc.	900	28,245
Dai Nippon Toryo Company, Ltd.	1,200	10,499
Daibiru Corp.	3,400	31,156
Dai-Dan Company, Ltd.	1,000	26,179
Daido Metal Company, Ltd.	1,900	9,655
Daido Steel Company, Ltd.	1,600	49,124
Daidoh, Ltd.	2,000	4,035
Daihen Corp.	1,400	50,115
Daiho Corp.	1,200	27,071
Daiichi Jitsugyo Company, Ltd.	400	13,578
Daiichi Kigenso Kagaku-Kogyo Company, Ltd.	1,800	13,239
Dai-ichi Seiko Company, Ltd.	500	10,096
Daiichikosho Company, Ltd.	1,000	29,919
Daiken Corp.	1,000	16,842
Daiken Medical Company, Ltd.	400	2,234
Daiki Aluminium Industry Company, Ltd.	3,000	15,860
Daikoku Denki Company, Ltd.	800	9,534

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Daikokutenbussan Company, Ltd.	300	\$ 13,459
Daikyonishikawa Corp.	1,900	8,548
Dainichiseika Color & Chemicals Manufacturing Company, Ltd.	1,000	21,703
Daiseki Company, Ltd.	1,800	48,253
Daishi Hokuetsu Financial Group, Inc.	2,700	54,780
Daito Pharmaceutical Company, Ltd.	700	25,944
Daiwa Industries, Ltd.	2,000	16,831
Daiwabo Holdings Company, Ltd.	800	52,504
DCM Holdings Company, Ltd.	6,500	74,532
DeNA Company, Ltd.	3,700	46,196
Densan System Company, Ltd.	700	25,062
Denyo Company, Ltd.	900	15,987
Descente, Ltd. (A)	2,300	31,855
Dexerials Corp.	3,500	27,591
Digital Arts, Inc.	400	32,528
Digital Garage, Inc.	500	16,018
Digital Hearts Holdings Company, Ltd.	900	7,119
Dip Corp.	1,900	38,595
DKK Company, Ltd.	1,000	24,187
DKS Company, Ltd.	400	19,321
DMG Mori Company, Ltd. (C)	4,600	56,208
Doshisha Company, Ltd.	1,700	25,732
Doutor Nichires Holdings Company, Ltd.	2,300	37,199
Dowa Holdings Company, Ltd.	1,000	30,353
DTS Corp.	1,800	37,143
Duskin Company, Ltd.	2,100	53,505
DyDo Group Holdings, Inc.	700	31,696
Eagle Industry Company, Ltd.	2,200	14,775
Earth Corp.	500	38,130
EDION Corp.	5,000	50,784
eGuarantee, Inc.	2,400	56,963
E-Guardian, Inc.	900	23,997
Eiken Chemical Company, Ltd.	1,800	28,813
Eizo Corp.	800	30,063
Elan Corp.	1,400	24,676
Elecom Company, Ltd.	800	39,190
Elematec Corp.	1,400	11,412
EM Systems Company, Ltd.	2,000	18,265
Enigmo, Inc. (A)	2,400	29,641
en-japan, Inc.	800	19,913
Enplas Corp.	1,100	24,343
EPS Holdings, Inc.	1,800	17,283
eRex Company, Ltd.	1,900	25,036
ES-Con Japan, Ltd.	3,800	28,938
ESPEC Corp.	1,600	26,578
Exedy Corp.	1,900	28,363
FAN Communications, Inc.	2,000	8,312
FCC Company, Ltd.	2,200	37,824
Feed One Company, Ltd.	15,040	28,159
Ferrotec Holdings Corp.	2,600	15,772
FIDEA Holdings Company, Ltd.	21,400	20,059
Fields Corp.	1,500	4,665
Financial Products Group Company, Ltd. (C)	1,600	8,865
Fixstars Corp.	2,000	23,956
Foster Electric Company, Ltd.	2,100	20,554
France Bed Holdings Company, Ltd.	2,200	17,273
Fudo Tetra Corp.	1,080	14,254
Fuji Company, Ltd.	1,400	24,364
Fuji Corp.	2,900	50,951
Fuji Corp., Ltd.	1,300	6,491
Fuji Oil Company, Ltd. (A)	4,400	7,036
Fuji Pharma Company, Ltd.	1,400	15,133
Fuji Seal International, Inc.	2,100	40,868

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Fuji Soft, Inc.	800	\$ 31,753
Fujibo Holdings, Inc.	700	21,217
Fujicco Company, Ltd.	1,500	27,884
Fujikura Kasei Company, Ltd.	2,000	9,651
Fujikura, Ltd.	15,600	45,160
Fujimori Kogyo Company, Ltd.	1,100	38,344
Fujisash Company, Ltd.	4,900	3,832
Fujita Kanko, Inc. (C)	300	4,743
Fujitec Company, Ltd.	1,400	25,761
Fujitsu Frontech, Ltd.	600	6,040
Fujitsu General, Ltd.	1,000	20,545
Fujiya Company, Ltd.	500	10,336
Fukuda Corp.	200	9,071
Fukushima Galilei Company, Ltd.	500	15,878
Fukuyama Transporting Company, Ltd.	300	10,512
FULLCAST Holdings Company, Ltd.	1,000	13,340
Funai Electric Company, Ltd. (A)	700	3,265
Funai Soken Holdings, Inc.	1,800	40,727
Furukawa Company, Ltd.	1,900	19,368
Furukawa Electric Company, Ltd.	2,500	60,713
Furuno Electric Company, Ltd.	2,400	21,731
Fuso Chemical Company, Ltd.	1,000	36,511
Fuso Pharmaceutical Industries, Ltd.	500	11,627
Futaba Corp.	1,600	14,647
Futaba Industrial Company, Ltd.	3,400	14,293
Future Corp.	1,200	19,210
Fuyo General Lease Company, Ltd.	900	50,147
Gakken Holdings Company, Ltd.	1,600	21,536
GCA Corp. (C)	1,900	10,938
Gecoss Corp.	400	3,444
Genki Sushi Company, Ltd.	500	10,741
Genky DrugStores Company, Ltd.	700	23,187
Geo Holdings Corp.	2,700	33,929
Giken, Ltd.	700	33,004
GLOBERIDE, Inc.	1,000	18,778
Glory, Ltd.	1,600	36,497
Goldcrest Company, Ltd.	990	13,587
Gree, Inc.	6,100	26,220
GS Yuasa Corp.	3,000	53,279
G-Tekt Corp.	1,200	11,644
Gun-Ei Chemical Industry Company, Ltd.	400	9,694
GungHo Online Entertainment, Inc.	1,300	23,243
Gunze, Ltd.	800	29,730
Gurunavi, Inc.	1,400	9,624
H2O Retailing Corp.	4,900	32,782
Hagihara Industries, Inc.	800	10,601
Hagiwara Electric Holdings Company, Ltd.	500	9,465
Hakuto Company, Ltd.	1,300	11,889
Halows Company, Ltd.	600	18,780
Hamakyorex Company, Ltd.	1,000	28,851
Hanwa Company, Ltd.	2,400	44,058
Happinet Corp.	1,000	10,456
Hazama Ando Corp.	10,090	58,529
Heiwa Corp.	1,000	16,725
Heiwa Real Estate Company, Ltd.	1,500	42,975
Heiwado Company, Ltd.	2,000	35,036
Hibiya Engineering, Ltd.	1,500	26,034
Hiday Hidaka Corp.	1,432	22,337
HI-LEX Corp.	600	6,641
Hinokiyu Group Company, Ltd. (C)	300	4,586
Hioki EE Corp.	500	13,379
Hirano Tecseed Company, Ltd.	1,100	13,486
Hiroshima Gas Company, Ltd. (C)	4,900	16,399
HIS Company, Ltd.	1,400	20,867
Hisaka Works, Ltd.	2,000	13,844

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Hitachi Zosen Corp.	11,700	\$ 42,800
Hochiki Corp.	600	6,828
Hodogaya Chemical Company, Ltd.	700	28,496
Hogy Medical Company, Ltd.	800	24,695
Hokkaido Electric Power Company, Inc.	11,100	42,573
Hokkaido Gas Company, Ltd.	600	8,863
Hokkan Holdings, Ltd.	1,000	16,917
Hokuetsu Corp.	7,900	27,971
Hokuetsu Industries Company, Ltd.	2,000	19,180
Hokuhoku Financial Group, Inc.	5,900	49,009
Hokuriku Electric Power Company	9,400	59,807
Hokuto Corp.	1,600	30,113
H-One Company, Ltd.	1,000	5,149
Honeys Holdings Company, Ltd.	1,350	14,359
Hoosiers Holdings	5,000	24,674
Hosiden Corp.	3,900	34,297
Hosokawa Micron Corp.	500	26,482
Ichibanya Company, Ltd.	300	13,221
Ichigo, Inc.	9,100	22,945
Ichikoh Industries, Ltd.	2,300	10,512
Ichinen Holdings Company, Ltd.	1,900	21,164
Ichiyoshi Securities Company, Ltd.	2,800	11,862
Icom, Inc.	500	14,377
Idec Corp.	1,600	25,602
IDOM, Inc.	3,900	17,974
IHI Corp.	1,000	14,509
Iino Kaiun Kaisha, Ltd.	7,300	23,081
IJTT Company, Ltd.	1,200	4,959
Ikegami Tsushinki Company, Ltd.	400	3,219
Imasen Electric Industrial	1,700	11,658
Imuraya Group Company, Ltd.	300	6,350
Inaba Denki Sangyo Company, Ltd.	3,200	71,355
Inaba Seisakusho Company, Ltd.	200	2,580
Inabata & Company, Ltd.	3,000	36,362
Infocom Corp.	1,000	27,424
Infomart Corp.	3,800	26,299
Information Services		
International-Dentsu, Ltd.	400	18,604
Intage Holdings, Inc.	3,100	25,406
Internet Initiative Japan, Inc.	1,300	44,480
Inui Global Logistics Company, Ltd.	875	6,766
IR Japan Holdings, Ltd.	300	31,615
Iriso Electronics Company, Ltd.	1,000	32,907
Iseki & Company, Ltd.	1,200	12,378
Ishihara Sangyo Kaisha, Ltd.	2,100	13,845
Itfor, Inc.	1,000	7,089
Itochu Enex Company, Ltd.	3,800	30,878
Itochu-Shokuhin Company, Ltd.	600	28,522
Itoham Yonekyu Holdings, Inc.	3,800	22,901
Itoki Corp.	2,100	6,679
IwaiCosmo Holdings, Inc.	900	9,196
Iwatani Corp.	2,300	80,443
J Trust Company, Ltd.	4,900	13,982
JAC Recruitment Company, Ltd.	1,200	12,798
Jacs Company, Ltd.	1,600	26,208
Jaeco Company, Ltd.	1,400	47,344
Jalux, Inc.	500	8,279
Jamco Corp.	500	3,590
Janome Sewing Machine Company, Ltd.	1,200	5,088
Japan Asset Marketing Company, Ltd. (A)	14,200	13,939
Japan Aviation Electronics Industry, Ltd.	3,000	40,598
Japan Best Rescue System Company, Ltd.	1,800	13,986
Japan Cash Machine Company, Ltd.	700	3,830
Japan Display, Inc. (A)	45,300	20,782

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Japan Elevator Service Holdings Company, Ltd.	1,100	\$ 35,585
Japan Investment Adviser Company, Ltd. (C)	1,000	9,577
Japan Lifeline Company, Ltd.	2,600	34,467
Japan Material Company, Ltd.	2,200	34,702
Japan Medical Dynamic Marketing, Inc.	900	13,631
Japan Petroleum Exploration Company, Ltd.	2,000	33,831
Japan Property Management Center Company, Ltd.	800	8,795
Japan Pulp & Paper Company, Ltd.	600	21,938
Japan Securities Finance Company, Ltd.	8,000	38,017
Japan Transcity Corp.	5,000	23,421
Jastec Company, Ltd.	400	4,894
JBCC Holdings, Inc.	1,900	26,410
JCU Corp.	1,300	40,713
Jeol, Ltd.	2,000	55,553
Jimoto Holdings, Inc.	9,800	8,662
JINS Holdings, Inc.	400	24,369
JM Holdings Company, Ltd. (C)	600	16,787
JMS Company, Ltd.	500	3,747
J-Oil Mills, Inc.	600	22,178
Joshin Denki Company, Ltd.	1,100	22,110
Joyful Honda Company, Ltd.	1,000	13,198
JSP Corp.	800	10,826
Juki Corp.	1,400	7,212
JVCKenwood Corp.	9,070	13,791
K&O Energy Group, Inc.	800	11,300
Kadokawa Corp.	3,636	74,715
Kaga Electronics Company, Ltd.	1,100	20,011
Kakiyasu Honten Company, Ltd.	800	19,189
Kameda Seika Company, Ltd.	700	33,707
Kamei Corp.	2,000	18,937
Kanaden Corp.	1,100	13,192
Kanagawa Chuo Kotsu Company, Ltd.	700	26,734
Kanamoto Company, Ltd.	1,900	41,618
Kandenko Company, Ltd.	2,700	22,949
Kaneka Corp.	2,100	54,655
Kanematsu Corp.	3,500	42,051
Kanematsu Electronics, Ltd.	700	24,932
Kansai Mirai Financial Group, Inc.	6,700	25,225
Kanto Denka Kogyo Company, Ltd.	2,000	15,918
Kappa Create Company, Ltd. (A)	1,000	13,632
Kasai Kogyo Company, Ltd.	1,000	4,234
Katakura Industries Company, Ltd.	1,700	18,084
Kato Sangyo Company, Ltd.	1,100	36,048
Kato Works Company, Ltd.	400	4,531
KAWADA TECHNOLOGIES, Inc.	200	9,014
Kawasaki Kisen Kaisha, Ltd. (A)	1,100	10,437
Keihanshin Building Company, Ltd.	2,700	34,807
Keihin Corp.	2,000	46,824
Keiyo Company, Ltd.	3,400	23,322
Kenedix, Inc.	10,800	53,376
Kenko Mayonnaise Company, Ltd.	900	16,147
KFC Holdings Japan, Ltd.	600	16,678
KH Neochem Company, Ltd. (C)	900	17,054
Kimoto Company, Ltd.	3,000	4,320
Kintetsu Department Store Company, Ltd.	400	11,267
Kintetsu World Express, Inc.	2,600	44,899
Kissei Pharmaceutical Company, Ltd.	1,100	27,791
Kitanotatsujin Corp. (C)	3,300	15,821
Kito Corp.	1,800	22,574
Kitz Corp.	4,600	29,423
KLab, Inc. (A)	2,100	14,270

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Koa Corp.	1,700	\$ 15,895
Koatsu Gas Kogyo Company, Ltd.	3,000	20,558
Kobe Electric Railway Company, Ltd. (A)	300	10,474
Kobe Steel, Ltd. (A)	18,100	62,716
Kohnan Shoji Company, Ltd.	1,800	56,749
Kojima Company, Ltd.	3,000	15,382
Kokuyo Company, Ltd.	2,100	25,462
Komatsu Matere Company, Ltd.	2,000	13,726
KOMEDA Holdings Company, Ltd.	2,600	44,121
Komeri Company, Ltd.	1,500	38,472
Komori Corp.	3,700	24,238
Kondotec, Inc.	1,300	13,959
Konica Minolta, Inc.	4,100	14,258
Konishi Company, Ltd.	2,200	30,772
Konoike Transport Company, Ltd.	2,600	28,131
Koshidaka Holdings Company, Ltd.	2,000	7,770
Kotobuki Spirits Company, Ltd.	500	20,586
Kourakuen Holdings Corp.	1,100	15,853
Krosaki Harima Corp.	400	13,530
Kumagai Gumi Company, Ltd.	1,800	43,231
Kura Sushi, Inc.	500	24,377
Kurabo Industries, Ltd.	1,600	33,682
Kureha Corp.	1,100	48,364
Kurimoto, Ltd.	1,000	16,123
KYB Corp. (A)	1,600	30,000
Kyodo Printing Company, Ltd.	500	13,207
Kyoei Steel, Ltd.	1,800	21,718
Kyokuto Kaihatsu Kogyo Company, Ltd.	2,300	28,063
Kyokuto Securities Company, Ltd.	2,300	10,920
Kyokuyo Company, Ltd.	700	17,636
KYORIN Holdings, Inc.	1,900	38,911
Kyoritsu Maintenance Company, Ltd.	1,060	36,263
Kyosan Electric Manufacturing Company, Ltd.	2,000	9,949
Kyushu Financial Group, Inc.	13,800	58,441
LAC Company, Ltd.	1,400	15,170
Lacto Japan Company, Ltd.	800	27,462
LEC, Inc.	1,600	24,087
Life Corp.	1,200	38,564
LIFULL Company, Ltd.	3,800	14,985
Link And Motivation, Inc. (C)	2,300	8,339
Lintec Corp.	1,900	45,284
LIXIL VIVA Corp.	1,600	38,650
M&A Capital Partners Company, Ltd. (A)	600	22,303
Macnica Fuji Electronics Holdings, Inc.	3,250	47,104
Macromill, Inc.	2,300	15,888
Maeda Corp.	3,700	28,319
Maeda Kosen Company, Ltd.	1,100	25,173
Maeda Road Construction Company, Ltd.	600	11,315
Maezawa Kasei Industries Company, Ltd.	1,100	10,018
Maezawa Kyuso Industries Company, Ltd.	900	16,766
Makino Milling Machine Company, Ltd.	1,200	36,930
MarkLines Company, Ltd.	1,000	20,838
Mars Group Holdings Corp.	700	10,555
Marubun Corp.	200	1,085
Marudai Food Company, Ltd.	1,600	28,213
Maruha Nichiro Corp.	1,500	30,721
Marusan Securities Company, Ltd.	4,700	17,885
Maruwa Company, Ltd.	600	45,412
Maruwa Unyu Kikan Company, Ltd.	1,200	33,831
Maruzen Company, Ltd.	800	13,173
Maruzen Showa Unyu Company, Ltd.	800	24,887
Marvelous, Inc.	1,400	9,122
Matsuda Sangyo Company, Ltd.	1,400	17,451
Matsuyafoods Holdings Company, Ltd.	700	23,747

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Max Company, Ltd.	2,000	\$ 28,336
Maxell Holdings, Ltd.	2,200	20,564
Maxvalu Tokai Company, Ltd.	1,100	25,286
MCJ Company, Ltd.	3,200	25,573
MEC Company, Ltd.	1,500	29,353
Medical Data Vision Company, Ltd. (A)	1,700	19,456
Megachips Corp.	2,000	38,726
Megmilk Snow Brand Company, Ltd.	1,800	41,926
Meidensha Corp.	1,800	29,264
Meiko Electronics Company, Ltd.	1,200	15,388
Meiko Network Japan Company, Ltd.	1,100	8,717
Meisei Industrial Company, Ltd.	3,000	22,312
Meitec Corp.	1,300	62,896
Meito Sangyo Company, Ltd.	900	10,990
Menicon Company, Ltd.	1,200	59,312
METAWATER Company, Ltd.	800	36,851
Mie Kotsu Group Holdings, Inc.	3,700	16,214
Milbon Company, Ltd.	812	38,813
Mimasu Semiconductor Industry Company, Ltd.	1,400	30,294
Ministop Company, Ltd.	1,100	15,423
Miraca Holdings, Inc.	3,000	70,864
Mirait Holdings Corp.	4,240	63,510
Miroku Jyoho Service Company, Ltd.	700	14,737
Mitani Corp.	500	30,824
Mitani Sekisan Company, Ltd.	600	30,422
Mito Securities Company, Ltd. (C)	6,300	11,548
Mitsuba Corp. (A)	2,300	9,921
Mitsubishi Logisnext Company, Ltd.	1,000	8,863
Mitsubishi Paper Mills, Ltd.	2,600	8,217
Mitsubishi Pencil Company, Ltd.	600	7,527
Mitsubishi Research Institute, Inc.	500	20,004
Mitsubishi Shokuhin Company, Ltd.	200	5,109
Mitsubishi Steel Manufacturing Company, Ltd. (A)	1,000	6,250
Mitsuboshi Belting, Ltd.	1,000	15,665
Mitsui E&S Holdings Company, Ltd. (A)	4,600	17,756
Mitsui High-Tec, Inc.	900	13,430
Mitsui Matsushima Holdings Company, Ltd.	1,000	7,866
Mitsui Mining & Smelting Company, Ltd.	2,500	51,231
Mitsui Sugar Company, Ltd.	1,000	18,353
Mitsui-Soko Holdings Company, Ltd.	2,200	30,511
Mitsuuroko Group Holdings Company, Ltd.	3,200	34,365
Mixi, Inc.	1,800	31,837
Mizuho Leasing Company, Ltd.	1,900	41,880
Mizuno Corp.	1,400	26,976
Modex, Inc.	1,700	24,343
Monex Group, Inc.	10,400	21,116
Morinaga Milk Industry Company, Ltd.	1,700	75,689
Morita Holdings Corp.	2,200	38,403
MrMax Holdings, Ltd.	1,700	9,570
Musashi Seimitsu Industry Company, Ltd.	2,600	23,341
N Field Company, Ltd.	1,300	6,641
Nachi-Fujikoshi Corp.	600	18,927
Nagase & Company, Ltd.	3,600	45,033
Nagatanien Holdings Company, Ltd.	1,000	20,043
Nagawa Company, Ltd.	300	21,772
Nakamura Company, Ltd.	300	11,194
Nakanishi, Inc.	1,300	16,993
Nakayama Steel Works, Ltd.	1,100	3,707
Namura Shipbuilding Company, Ltd.	3,252	4,752
NEC Capital Solutions, Ltd.	800	14,744
Neturen Company, Ltd.	2,300	11,708

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nextage Company, Ltd.	2,300	\$ 18,532
NHK Spring Company, Ltd.	7,200	46,826
Nice Corp. (A)	600	4,436
Nichias Corp.	2,400	50,158
Nichiban Company, Ltd.	700	9,489
Nichicon Corp.	3,400	23,731
Nichiren Corp.	600	13,124
Nichiha Corp.	1,600	34,181
NichiiGakkan Company, Ltd.	2,700	41,772
Nichi-iko Pharmaceutical Company, Ltd.	3,100	37,592
Nichireki Company, Ltd.	2,000	29,856
Nichirin Company, Ltd.	1,040	13,048
Nihon Chouzai Company, Ltd.	800	11,833
Nihon Dempa Kogyo Company, Ltd. (A)	1,800	5,669
Nihon Flush Company, Ltd.	1,000	12,495
Nihon House Holdings Company, Ltd.	1,000	2,553
Nihon Kagaku Sangyo Company, Ltd. (C)	1,000	8,933
Nihon Nohyaku Company, Ltd.	4,000	17,411
Nihon Parkerizing Company, Ltd.	3,900	39,176
Nihon Tokushu Toryo Company, Ltd.	1,000	9,202
Nikkiso Company, Ltd. (C)	2,100	20,070
Nikkon Holdings Company, Ltd.	2,900	57,656
Nippon Air Conditioning Services Company, Ltd.	1,600	10,780
Nippon Beet Sugar Manufacturing Company, Ltd.	900	15,696
Nippon Carbon Company, Ltd. (C)	500	16,037
Nippon Chemical Industrial Company, Ltd.	700	14,979
Nippon Chemi-Con Corp. (A)	1,100	18,514
Nippon Coke & Engineering Company, Ltd.	18,000	11,231
Nippon Concrete Industries Company, Ltd.	2,600	6,546
Nippon Denko Company, Ltd. (A)	6,530	10,285
Nippon Densetsu Kogyo Company, Ltd.	2,100	46,489
Nippon Electric Glass Company, Ltd.	3,400	53,408
Nippon Fine Chemical Company, Ltd.	800	10,980
Nippon Flour Mills Company, Ltd.	2,700	40,533
Nippon Gas Company, Ltd.	1,800	77,395
Nippon Hume Corp.	2,000	14,249
Nippon Kayaku Company, Ltd.	2,300	24,061
Nippon Kodoshi Corp. (C)	800	7,254
Nippon Koei Company, Ltd.	1,000	27,978
Nippon Koshuha Steel Company, Ltd. (A)	800	2,768
Nippon Light Metal Holdings Company, Ltd.	28,200	49,401
Nippon Paper Industries Company, Ltd.	3,600	50,493
Nippon Parking Development Company, Ltd.	8,400	10,877
Nippon Pillar Packing Company, Ltd.	1,500	19,310
Nippon Seiki Company, Ltd.	3,000	35,280
Nippon Sharyo, Ltd. (A)	600	14,023
Nippon Sheet Glass Company, Ltd. (A)	5,800	20,253
Nippon Signal Company, Ltd.	3,000	31,582
Nippon Soda Company, Ltd.	1,600	41,955
Nippon Steel Trading Corp.	972	30,717
Nippon Suisan Kaisha, Ltd.	10,700	46,574
Nippon Thompson Company, Ltd.	4,700	14,825
Nippon Yakin Kogyo Company, Ltd.	1,000	14,901
Nipro Corp.	4,100	45,439
Nishikawa Rubber Company, Ltd.	800	10,506
Nishimatsu Construction Company, Ltd.	3,200	63,869
Nishimatsuya Chain Company, Ltd.	2,900	29,921
Nishi-Nippon Financial Holdings, Inc.	7,000	47,311
Nishi-Nippon Railroad Company, Ltd.	600	16,281
Nishio Rent All Company, Ltd.	800	16,532

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nissan Shatai Company, Ltd.	3,400	\$ 29,346
Nissei ASB Machine Company, Ltd.	500	14,892
Nissei Plastic Industrial Company, Ltd.	1,600	12,206
Nissha Company, Ltd.	2,300	21,665
Nisshinbo Holdings, Inc. (C)	10,768	78,336
Nissin Corp.	1,400	19,766
Nissin Electric Company, Ltd.	3,400	33,209
Nissin Kogyo Company, Ltd.	2,100	42,713
Nissin Sugar Company, Ltd.	1,100	18,984
Nitta Corp.	1,300	28,298
Nittan Valve Company, Ltd.	1,200	2,453
Nittetsu Mining Company, Ltd.	300	12,240
Nitto Kogyo Corp.	1,600	28,748
Nitto Kohki Company, Ltd.	1,000	16,537
Nitto Seiko Company, Ltd.	1,700	7,254
Nohmi Bosai, Ltd.	1,300	25,260
Nojima Corp.	1,600	40,491
Nomura Company, Ltd.	3,000	25,064
Noritake Company, Ltd.	700	22,877
Noritsu Koki Company, Ltd.	1,000	14,006
Noritz Corp. (C)	2,100	25,581
North Pacific Bank, Ltd.	20,300	39,245
NS Tool Company, Ltd.	400	10,108
NS United Kaiun Kaisha, Ltd. (C)	800	11,068
NSD Company, Ltd.	3,000	51,282
NTN Corp.	18,400	36,959
Obara Group, Inc.	600	18,304
Ohsho Food Service Corp.	700	39,053
Oiles Corp.	1,380	17,877
Oisix ra daichi, Inc. (A)	1,200	23,504
Okabe Company, Ltd.	2,600	19,633
Okamoto Industries, Inc.	600	22,131
Okamura Corp.	3,700	25,706
Okasan Securities Group, Inc.	7,000	21,181
Oki Electric Industry Company, Ltd.	4,700	45,407
Okinawa Cellular Telephone Company	400	15,312
OKUMA Corp.	700	30,104
Okumura Corp.	1,600	36,885
Okura Industrial Company, Ltd.	800	12,016
Okuwa Company, Ltd.	1,000	15,359
Onoken Company, Ltd.	1,500	17,090
Onward Holdings Company, Ltd.	7,100	20,984
Open Door, Inc. (A)	600	7,285
Optex Group Company, Ltd.	1,400	15,958
Organo Corp.	600	32,461
Origin Company, Ltd.	600	8,483
Osaka Organic Chemical Industry, Ltd.	1,400	33,317
Osaka Soda Company, Ltd.	800	17,699
Osaka Steel Company, Ltd.	700	7,866
OSAKA Titanium Technologies Company, Ltd.	800	6,962
Osaki Electric Company, Ltd.	3,000	14,028
OSG Corp.	2,400	36,820
OSJB Holdings Corp.	7,600	16,332
Outsourcing, Inc.	4,500	28,686
Oyo Corp. (C)	1,300	16,991
Pacific Industrial Company, Ltd.	3,000	26,454
Pacific Metals Company, Ltd.	1,100	15,778
PAL GROUP Holdings Company, Ltd.	1,400	16,888
Paramount Bed Holdings Company, Ltd.	800	32,686
Paris Miki Holdings, Inc.	1,100	3,115
PC Depot Corp.	1,700	12,037
Penta-Ocean Construction Company, Ltd.	13,900	75,066
Pepper Food Service Company, Ltd.	600	2,977
PIA Corp. (C)	200	6,328

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Pilot Corp.	700	\$ 21,296
Piolax, Inc.	2,100	31,415
Poletowin Pitcrew Holdings, Inc.	2,000	16,722
Press Kogyo Company, Ltd.	7,000	19,022
Pressance Corp.	1,800	19,846
Prestige International, Inc.	5,000	37,673
Prima Meat Packers, Ltd.	2,000	53,713
Pronexus, Inc.	600	6,795
Prospect Company, Ltd.	33,000	13,172
Proto Corp.	400	3,732
PS Mitsubishi Construction Company, Ltd.	2,600	12,638
Punch Industry Company, Ltd.	1,300	5,037
Qol Holdings Company, Ltd.	1,400	14,717
Raito Kogyo Company, Ltd.	3,100	41,095
Raiznext Corp.	3,300	37,295
Rakus Company, Ltd.	2,200	38,885
Raysum Company, Ltd.	1,600	14,114
Relia, Inc.	2,100	19,558
Renaissance, Inc.	500	4,658
Resorttrust, Inc.	3,700	48,020
Restar Holdings Corp.	1,600	31,136
Retail Partners Company, Ltd.	300	4,727
Rheon Automatic Machinery Company, Ltd.	1,500	17,268
Ricoh Leasing Company, Ltd.	800	22,078
Riken Corp.	600	16,658
Riken Keiki Company, Ltd.	400	8,857
Riken Technos Corp.	3,000	11,835
Riken Vitamin Company, Ltd.	1,400	29,593
Ringer Hut Company, Ltd.	1,700	36,964
Riso Kagaku Corp.	500	6,912
Riso Kyoiku Company, Ltd.	9,300	28,100
Rock Field Company, Ltd.	1,000	12,076
Rokko Butter Company, Ltd.	600	8,559
Roland DG Corp.	900	10,347
Rorze Corp.	900	44,947
Round One Corp. (C)	4,100	29,650
Royal Holdings Company, Ltd. (C)	900	15,676
RS Technologies Company, Ltd.	400	12,906
Ryobi, Ltd.	1,400	15,709
Ryoden Corp.	1,500	20,405
Ryosan Company, Ltd.	1,500	30,920
Ryoyo Electro Corp.	1,600	43,387
S Foods, Inc.	500	12,215
S&B Foods, Inc.	600	21,992
Sac's Bar Holdings, Inc.	600	3,358
Saibu Gas Company, Ltd.	1,900	47,454
Saizeriya Company, Ltd.	1,100	21,317
Sakai Chemical Industry Company, Ltd.	1,400	26,496
Sakai Moving Service Company, Ltd.	500	25,512
Sakata INX Corp.	3,100	29,621
Sala Corp.	3,000	15,807
SAMTY Company, Ltd.	1,600	20,383
San ju San Financial Group, Inc.	1,700	20,887
San-A Company, Ltd.	600	23,000
San-Ai Oil Company, Ltd.	3,500	31,645
Sanden Holdings Corp. (A)(C)	1,400	4,486
Sangetsu Corp.	2,100	29,737
Sanken Electric Company, Ltd.	1,400	27,568
Sanki Engineering Company, Ltd.	2,000	22,926
Sankyo Company, Ltd.	500	12,103
Sankyo Seiko Company, Ltd.	3,200	13,172
Sankyo Tateyama, Inc.	2,500	22,287
Sanoh Industrial Company, Ltd.	2,600	16,301
Sanwa Holdings Corp.	1,500	13,480

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Sanyo Chemical Industries, Ltd.	600	\$ 25,856
Sanyo Denki Company, Ltd.	400	18,078
Sanyo Electric Railway Company, Ltd.	1,600	32,638
Sanyo Shokai, Ltd.	700	4,638
Sanyo Special Steel Company, Ltd.	1,400	11,541
Sapporo Holdings, Ltd.	2,700	50,773
Sato Holdings Corp.	1,700	36,970
Sawada Holdings Company, Ltd.	1,000	8,446
SBS Holdings, Inc.	2,200	45,417
Seika Corp.	500	5,754
Seikagaku Corp.	1,700	17,860
Seikitokyu Kogyo Company, Ltd.	1,600	11,260
Seiko Holdings Corp.	1,400	22,322
Seiren Company, Ltd.	2,700	34,119
Sekisui Jushi Corp.	1,600	32,191
Sekisui Kasei Company, Ltd.	2,500	13,448
Senko Group Holdings Company, Ltd.	4,700	34,934
Senshu Electric Company, Ltd.	500	13,157
Senshu Ikeda Holdings, Inc.	17,200	25,665
Senshukai Company, Ltd.	3,300	10,611
SFP Holdings Company, Ltd.	600	8,686
Shibaura Electronics Company, Ltd.	500	9,490
Shibaura Machine Company, Ltd.	1,600	32,130
Shibuya Corp.	800	20,881
Shikibo, Ltd.	1,100	10,173
Shikoku Chemicals Corp.	3,000	30,327
Shikoku Electric Power Company, Inc.	5,600	41,206
Shima Seiki Manufacturing, Ltd.	1,200	17,164
Shimachu Company, Ltd.	2,300	63,923
Shinagawa Refractories Company, Ltd.	600	12,294
Shindengen Electric Manufacturing Company, Ltd.	500	9,997
Shin-Etsu Polymer Company, Ltd.	3,000	24,571
Shinko Electric Industries Company, Ltd.	1,300	17,647
Shinko Shoji Company, Ltd.	3,200	24,927
Shinmaywa Industries, Ltd.	2,400	22,553
Shinnihon Corp.	2,500	19,538
Shinoken Group Company, Ltd.	2,000	16,176
Shinwa Company, Ltd. (Nagoya)	700	12,778
Shizuoka Gas Company, Ltd.	4,500	41,243
Shoei Company, Ltd.	1,200	30,063
Shoei Foods Corp.	700	27,302
Showa Corp.	1,900	39,271
Showa Sangyo Company, Ltd. (C)	1,400	42,896
SIGMAXYZ, Inc.	900	13,677
Siix Corp.	1,600	14,727
Sinanen Holdings Company, Ltd.	800	20,312
Sinfonia Technology Company, Ltd.	1,600	15,285
Sinko Industries, Ltd.	1,500	20,274
Sintokogio, Ltd.	3,400	25,000
SKY Perfect JSAT Holdings, Inc.	10,300	38,288
SMK Corp.	300	7,247
SMS Company, Ltd.	2,300	51,758
Sodick Company, Ltd.	2,400	17,793
Software Service, Inc.	200	20,908
Soken Chemical & Engineering Company, Ltd.	800	9,173
Solasto Corp.	1,500	14,946
Sourcenext Corp. (C)	6,400	16,573
Space Value Holdings Company, Ltd.	2,000	6,512
Sparx Group Company, Ltd.	7,400	14,893
SRA Holdings	600	13,324
SRS Holdings Company, Ltd. (A)	1,800	15,155
St. Marc Holdings Company, Ltd.	800	12,343
Star Mica Holdings Company, Ltd.	1,100	13,771

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Star Micronics Company, Ltd. (C)	2,300	\$ 25,716
Starts Corp., Inc.	1,900	39,001
Starzen Company, Ltd.	300	11,810
Stella Chemifa Corp.	800	18,033
Strike Company, Ltd.	700	31,441
Studio Alice Company, Ltd.	900	13,151
Sugimoto & Company, Ltd.	700	12,090
Sumida Corp.	1,600	11,434
Suminoe Textile Company, Ltd.	500	9,604
Sumitomo Bakelite Company, Ltd.	1,200	33,891
Sumitomo Densetsu Company, Ltd.	1,300	28,882
Sumitomo Mitsui Construction Company, Ltd.	6,000	26,164
Sumitomo Osaka Cement Company, Ltd.	2,200	77,517
Sumitomo Riko Company, Ltd.	2,400	13,938
Sumitomo Seika Chemicals Company, Ltd.	500	16,288
Sun Frontier Fudousan Company, Ltd.	2,200	17,526
SWCC Showa Holdings Company, Ltd.	2,400	25,669
Systema Corp.	3,000	39,847
Syuppin Company, Ltd.	1,200	8,081
T Hasegawa Company, Ltd.	1,600	35,816
T RAD Company, Ltd.	500	6,170
T&K Toka Company, Ltd.	1,600	12,166
Tachibana Eletech Company, Ltd.	1,360	21,920
Tachi-S Company, Ltd.	2,400	19,368
Tadano, Ltd.	6,000	50,136
Taihei Dengyo Kaisha, Ltd.	1,500	32,082
Taiho Kogyo Company, Ltd.	1,200	5,901
Taikisha, Ltd.	900	24,945
Taiko Pharmaceutical Company, Ltd.	2,100	50,726
Taisei Lamick Company, Ltd.	500	12,876
Taiyo Holdings Company, Ltd.	1,000	46,179
Takamatsu Construction Group Company, Ltd.	1,000	22,395
Takaoka Toko Company, Ltd.	700	6,613
Takara Leben Company, Ltd.	6,300	21,125
Takara Standard Company, Ltd.	2,200	31,203
Takasago International Corp.	1,200	23,988
Takasago Thermal Engineering Company, Ltd.	1,700	25,003
Takashimaya Company, Ltd.	5,600	46,892
Take And Give Needs Company, Ltd.	200	1,165
Takeei Corp.	700	6,983
Takeuchi Manufacturing Company, Ltd.	2,200	36,704
Takihyo Company, Ltd.	600	10,348
Takuma Company, Ltd.	2,300	31,720
Tamron Company, Ltd.	1,500	25,947
Tamura Corp.	6,000	25,447
Tanseisha Company, Ltd.	1,100	7,687
Tatsuta Electric Wire & Cable Company, Ltd.	4,200	22,395
Tayca Corp.	1,500	19,284
TechMatrix Corp.	2,400	41,889
Teikoku Electric Manufacturing Company, Ltd.	1,700	19,635
Teikoku Sen-I Company, Ltd.	500	10,628
Tekken Corp.	800	15,359
Tenma Corp.	1,000	15,424
T-Gaia Corp.	900	17,011
The 77 Bank, Ltd.	2,800	41,758
The Aichi Bank, Ltd.	600	15,520
The Akita Bank, Ltd.	1,100	14,820
The Aomori Bank, Ltd.	1,700	35,424
The Awa Bank, Ltd.	2,200	49,566
The Bank of Iwate, Ltd.	1,100	26,659

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
The Bank of Nagoya, Ltd.	1,100	\$ 23,653
The Bank of Okinawa, Ltd.	1,640	47,283
The Bank of Saga, Ltd.	1,000	10,898
The Chiba Kogyo Bank, Ltd.	3,200	6,981
The Chugoku Bank, Ltd.	5,700	52,886
The Chukyo Bank, Ltd.	900	17,950
The Ehime Bank, Ltd.	2,100	22,733
The First Bank of Toyama, Ltd.	2,800	6,973
The Fukui Bank, Ltd.	1,800	28,027
The Fukushima Bank, Ltd.	2,100	3,333
The Gunma Bank, Ltd.	14,200	45,209
The Hachijuni Bank, Ltd.	14,100	53,669
The Hiroshima Bank, Ltd.	7,000	33,112
The Hokkoku Bank, Ltd.	1,500	39,886
The Hyakugo Bank, Ltd.	16,000	48,831
The Hyakujushi Bank, Ltd.	1,700	30,717
The Iyo Bank, Ltd.	9,200	56,315
The Japan Steel Works, Ltd.	2,600	37,170
The Japan Wool Textile Company, Ltd.	4,000	39,725
The Juroku Bank, Ltd.	1,700	30,981
The Keiyo Bank, Ltd.	4,400	21,249
The Kinki Sharyo Company, Ltd. (A)	300	3,465
The Kita-Nippon Bank, Ltd.	700	12,644
The Kiyo Bank, Ltd.	3,800	57,857
The Michinoku Bank, Ltd.	1,400	14,688
The Miyazaki Bank, Ltd.	1,000	22,162
The Monogatari Corp. (C)	4,000	31,240
The Musashino Bank, Ltd.	1,700	24,371
The Nagano Bank, Ltd.	800	8,721
The Nanto Bank, Ltd.	2,000	38,939
The Nippon Road Company, Ltd.	500	33,659
The Nisshin Oillio Group, Ltd.	1,200	37,555
The Ogaki Kyoritsu Bank, Ltd.	1,600	33,841
The Oita Bank, Ltd.	900	19,912
The Okinawa Electric Power Company, Inc.	1,990	33,142
The Pack Corp.	800	23,250
The San-In Godo Bank, Ltd.	8,000	40,378
The Shibusawa Warehouse Company, Ltd.	1,000	19,289
The Shiga Bank, Ltd.	2,200	48,998
The Shikoku Bank, Ltd.	2,800	20,456
The Shimizu Bank, Ltd.	500	8,259
The Sumitomo Warehouse Company, Ltd.	3,324	40,131
The Tochigi Bank, Ltd.	8,000	12,112
The Toho Bank, Ltd.	12,000	24,903
The Tohoku Bank, Ltd.	400	3,600
The Tottori Bank, Ltd.	400	4,555
The Towa Bank, Ltd.	2,900	18,817
The Yamagata Bank, Ltd.	2,000	24,717
The Yamanashi Chuo Bank, Ltd.	2,000	15,833
Tigers Polymer Corp.	1,000	4,593
TKC Corp.	1,100	58,317
Toa Corp. (Hyogo)	1,400	9,456
Toa Corp. (Tokyo)	1,200	17,420
Toagosei Company, Ltd.	6,900	67,772
Tobishima Corp.	720	7,015
TOC Company, Ltd.	3,400	21,524
Tocalo Company, Ltd.	3,200	34,565
Toda Kogyo Corp. (A)	300	5,402
Toei Company, Ltd.	200	26,779
Toenec Corp.	600	20,803
Toho Company, Ltd.	600	10,525
Toho Holdings Company, Ltd.	2,400	44,855
Toho Titanium Company, Ltd.	3,000	18,178
Toho Zinc Company, Ltd. (A)	800	11,455

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Tokai Corp.	1,200	\$ 26,487
TOKAI Holdings Corp.	4,000	36,994
Tokai Rika Company, Ltd.	3,300	48,015
Tokai Tokyo Financial Holdings, Inc.	11,500	25,492
Token Corp.	610	39,796
Tokushu Tokai Paper Company, Ltd.	600	25,784
Tokuyama Corp.	2,600	61,517
Tokyo Base Company, Ltd. (A)	900	2,970
Tokyo Dome Corp.	5,500	39,525
Tokyo Energy & Systems, Inc.	2,000	14,607
Tokyo Keiki, Inc.	1,000	9,141
Tokyo Kiraboshi Financial Group, Inc.	1,936	19,838
Tokyo Ohka Kogyo Company, Ltd.	300	15,045
Tokyo Rakutenchi Company, Ltd.	200	8,097
Tokyo Rope Manufacturing Company, Ltd. (A)	700	3,698
Tokyo Seimitsu Company, Ltd.	1,800	57,739
Tokyo Steel Manufacturing Company, Ltd.	5,100	29,370
Tokyo Tekko Company, Ltd.	800	11,287
Tokyo Theatres Company, Inc.	900	10,234
Tokyotokeiba Company, Ltd.	1,100	36,658
Tokyu Construction Company, Ltd.	3,900	20,262
Tomato Bank, Ltd.	1,100	10,459
Tomen Devices Corp.	200	6,890
Tomoe Corp. (C)	2,200	6,948
Tomoe Engineering Company, Ltd.	800	13,699
Tomoku Company, Ltd.	500	8,198
TOMONY Holdings, Inc.	10,600	34,092
Tomy Company, Ltd.	4,500	35,577
Tonami Holdings Company, Ltd.	500	26,276
Topcon Corp.	4,700	38,016
Toppan Forms Company, Ltd.	3,400	33,765
Topre Corp.	2,300	25,781
Topy Industries, Ltd.	1,300	14,770
Toridoll Holdings Corp.	2,800	31,504
Torii Pharmaceutical Company, Ltd.	1,100	31,610
Torikizoku Company, Ltd. (C)	500	7,010
Torishima Pump Manufacturing Company, Ltd.	900	6,726
Tosei Corp.	3,700	39,139
Toshiba TEC Corp.	1,000	38,342
Tosho Company, Ltd.	800	9,514
Totetsu Kogyo Company, Ltd.	1,000	25,244
Towa Corp.	1,300	14,136
Towa Pharmaceutical Company, Ltd.	1,500	27,782
Toyo Construction Company, Ltd.	3,100	11,566
Toyo Denki Seizo KK	600	6,464
Toyo Engineering Corp. (A)	2,200	7,105
Toyo Ink SC Holdings Company, Ltd.	2,200	41,710
Toyo Kanetsu KK	400	7,864
Toyo Securities Company, Ltd.	6,000	6,577
Toyo Tanso Company, Ltd.	1,000	15,770
Toyo Tire Corp.	3,700	49,932
Toyo Wharf & Warehouse Company, Ltd.	600	7,619
Toyobo Company, Ltd.	4,993	69,567
TPR Company, Ltd.	1,400	17,466
Trancom Company, Ltd.	600	38,588
Tri Chemical Laboratories, Inc.	300	32,342
Trusco Nakayama Corp.	1,600	41,525
TS Tech Company, Ltd.	800	22,053
TSI Holdings Company, Ltd.	5,270	22,652
Tsubaki Nakashima Company, Ltd.	2,300	18,064
Tsubakimoto Chain Company	1,600	39,005
Tsugami Corp.	3,000	25,166
Tsukishima Kikai Company, Ltd.	2,000	21,801

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Tsukuba Bank, Ltd.	5,700	\$ 9,330
Tsukui Corp.	4,800	22,557
Tsurumi Manufacturing Company, Ltd.	1,000	17,143
Tsutsumi Jewelry Company, Ltd.	700	12,187
TV Asahi Holdings Corp.	700	10,199
Tv Tokyo Holdings Corp.	1,100	24,249
UACJ Corp.	1,903	34,281
Ube Industries, Ltd.	4,400	75,832
Uchida Yoko Company, Ltd.	800	46,822
Ulvac, Inc.	1,900	55,160
Uniden Holdings Corp. (A)	400	6,808
Union Tool Company	700	17,109
Unipres Corp.	2,600	22,803
United Arrows, Ltd.	1,200	20,378
United Super Markets Holdings, Inc.	4,200	44,307
UNITED, Inc.	1,300	13,967
Unitika, Ltd. (A)	5,900	19,556
Universal Entertainment Corp. (A)	800	15,619
Ushio, Inc.	5,200	69,471
UT Group Company, Ltd. (A)(C)	1,500	34,517
V Technology Company, Ltd.	400	13,670
Valor Holdings Company, Ltd.	1,700	33,244
Valqua, Ltd.	1,000	17,982
ValueCommerce Company, Ltd.	1,600	43,025
Vector, Inc. (A)	3,100	25,211
Vision, Inc. (A)	1,500	9,460
Vital KSK Holdings, Inc.	3,500	33,601
VT Holdings Company, Ltd.	6,600	21,595
Wacoal Holdings Corp.	1,900	35,222
Wacom Company, Ltd.	4,600	23,498
Wakachiku Construction Company, Ltd.	900	9,689
Wakita & Company, Ltd.	4,000	34,449
Warabeya Nichiyo Holdings Company, Ltd.	900	14,184
Watahan & Company, Ltd.	300	5,314
WATAMI Company, Ltd.	1,200	10,597
WDB Holdings Company, Ltd.	700	17,304
Weathernews, Inc.	500	16,371
West Holdings Corp.	1,690	34,252
WIN-Partners Company, Ltd.	1,000	9,019
World Holdings Company, Ltd.	600	9,541
Xebio Holdings Company, Ltd.	2,800	21,815
Yahagi Construction Company, Ltd.	2,000	14,614
Yaizu Suisankagaku Industry Company, Ltd.	1,100	9,441
YAKUODO Holdings Company, Ltd.	700	17,105
YAMABIKO Corp.	2,400	20,041
YAMADA Consulting Group Company, Ltd.	1,100	13,737
Yamaguchi Financial Group, Inc.	7,000	43,016
Yamaichi Electronics Company, Ltd.	1,700	22,275
YA-MAN, Ltd.	1,700	16,856
Yamato Kogyo Company, Ltd.	2,100	42,945
Yamazen Corp.	3,900	32,937
Yasuda Logistics Corp.	1,400	12,157
Yellow Hat, Ltd.	2,000	27,549
Yodogawa Steel Works, Ltd.	1,200	20,915
Yokogawa Bridge Holdings Corp.	2,100	43,698
Yokohama Reito Company, Ltd.	2,900	24,039
Yokowo Company, Ltd.	1,200	28,030
Yomeishu Seizo Company, Ltd.	500	8,552
Yomiuri Land Company, Ltd.	200	6,599
Yondenko Corp.	600	14,673
Yondoshi Holdings, Inc.	1,300	21,437
Yorozu Corp.	1,800	17,755

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Yoshinoya Holdings Company, Ltd.	1,200	\$ 24,800
Yuasa Trading Company, Ltd.	1,100	29,736
Yumeshin Holdings Company, Ltd.	2,200	12,086
Yurtec Corp.	2,000	12,178
Yushiro Chemical Industry Company, Ltd.	1,100	13,597
Zenrin Company, Ltd.	1,950	22,029
Zeon Corp.	400	3,694
ZIGExN Company, Ltd.	3,400	10,694
		23,842,433
Jersey, Channel Islands - 0.2%		
Atrium European Real Estate, Ltd. (A)	9,345	28,822
Centamin PLC	71,818	163,937
Sanne Group PLC	1,649	12,857
		205,616
Liechtenstein - 0.1%		
Liechtensteinische Landesbank AG	726	44,598
VP Bank AG	188	24,484
		69,082
Luxembourg - 0.3%		
APERAM SA	2,726	76,421
Befesa SA (D)	372	14,507
Corestate Capital Holding SA (A)(C)	623	12,668
Grand City Properties SA	5,163	119,411
IVS Group SA	880	5,378
L'Occitane International SA	17,000	28,659
Shurgard Self Storage SA	331	12,461
Stabilus SA	1,018	53,430
		322,935
Macau - 0.0%		
Macau Legend Development, Ltd. (A)	129,000	17,542
Malaysia - 0.0%		
Lynas Corp., Ltd. (A)(C)	32,921	44,674
Malta - 0.1%		
Kindred Group PLC	8,254	49,830
Monaco - 0.1%		
Endeavour Mining Corp. (A)(C)	3,183	77,019
Societe des Bains de Mer et du Cercle des Etrangers a Monaco (A)	273	15,933
		92,952
Netherlands - 3.1%		
Aalberts NV	6,065	198,875
Accell Group NV (A)	1,883	46,822
Aegon NV	20,623	60,961
Altice Europe NV (A)	22,298	86,238
AMG Advanced Metallurgical Group NV	1,350	24,067
Amsterdam Commodities NV	1,174	25,718
Arcadis NV (A)	7,063	128,029
ASM International NV	2,354	362,389
ASR Nederland NV	6,590	202,756
Basic-Fit NV (A)(D)	1,607	42,527
BE Semiconductor Industries NV	4,162	184,541
Beter Bed Holding NV (A)	1,056	2,182
Boskalis Westminster (A)	4,705	92,908
Brack Capital Properties NV (A)	230	15,018
Brunel International NV (A)	1,126	8,087
Corbion NV	2,691	96,971
Euronext NV (D)	2,395	241,066
Flow Traders (D)	1,631	58,356
ForFarmers NV	2,398	14,680
Fugro NV (A)(C)	4,374	17,330
GrandVision NV (D)	2,427	69,146
Heijmans NV (A)(C)	2,023	15,262
Hunter Douglas NV (A)	312	16,661

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Netherlands (continued)		
IMCD NV (C)	2,703	\$ 254,890
Innoconcepts NV (A)(B)	10,527	0
Intertrust NV (D)	3,549	60,516
Kendrion NV (A)(C)	1,093	14,521
Koninklijke BAM Groep NV (A)	15,496	28,130
Koninklijke Vopak NV	1,169	61,878
Nederland Apparatenfabriek (A)	225	10,384
OCI NV (A)	1,346	14,139
Ordina NV (A)	5,537	11,373
PostNL NV	35,264	76,050
SBM Offshore NV	9,689	142,772
Shop Apotheke Europe NV (A)(C)(D)	216	25,839
SIF Holding NV (A)(C)	504	5,887
Signify NV (A)(D)	5,527	142,098
Sligro Food Group NV	1,151	17,808
TKH Group NV	1,730	68,150
TomTom NV (A)	3,258	25,772
Van Lanschot Kempen NV	1,125	16,299
		2,987,096
New Zealand - 0.6%		
Air New Zealand, Ltd. (C)	12,658	10,856
Chorus, Ltd.	21,963	106,390
Freightways, Ltd.	5,543	25,882
Genesis Energy, Ltd.	22,721	44,623
Gentrack Group, Ltd. (C)	3,060	2,802
Hallenstein Glasson Holdings, Ltd.	3,354	7,694
Heartland Group Holdings, Ltd.	17,002	13,571
Infratil, Ltd.	34,251	104,489
Kathmandu Holdings, Ltd.	13,663	10,060
Metlifecare, Ltd.	10,897	36,489
NZME, Ltd. (A)	13,259	2,044
NZX, Ltd.	13,409	12,164
Oceania Healthcare, Ltd.	34,030	19,906
PGG Wrightson, Ltd.	819	1,428
Restaurant Brands New Zealand, Ltd. (A)	886	6,777
Sanford, Ltd.	2,767	11,239
Scales Corp., Ltd.	5,176	16,411
Skellerup Holdings, Ltd.	7,637	10,604
SKY Network Television, Ltd. (A)	75,182	7,310
SKYCITY Entertainment Group, Ltd.	31,778	49,423
Summerset Group Holdings, Ltd.	7,420	31,093
Synlait Milk, Ltd. (A)	4,590	21,114
The New Zealand Refining Company, Ltd.	11,354	5,398
The Warehouse Group, Ltd.	9,894	13,221
Tourism Holdings, Ltd.	6,508	8,377
TOWER, Ltd. (A)	12,717	5,150
Vista Group International, Ltd.	7,682	7,242
Z Energy, Ltd.	13,725	24,073
		615,830
Norway - 1.0%		
ABG Sundal Collier Holding ASA	13,972	6,125
AF Gruppen ASA	989	17,760
Akastor ASA (A)	6,104	3,093
Aker Solutions ASA (A)(C)	8,985	7,937
American Shipping Company ASA (A)	1,661	4,446
Atea ASA (A)	4,256	41,191
Austevoll Seafood ASA	2,238	18,586
Axactor SE (A)	11,423	7,216
B2Holding ASA (A)	4,699	1,842
Bonheur ASA (C)	1,672	41,107
Borregaard ASA	5,508	58,716
BW Energy, Ltd. (A)(C)	932	1,688
BW Offshore, Ltd.	4,568	15,288
DNO ASA	36,835	22,728
Europria ASA (D)	10,396	50,398

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Norway (continued)		
Fjordkraft Holding ASA (D)	1,289	\$ 10,590
FLEX LNG, Ltd. (C)	1,570	7,282
Frontline, Ltd.	5,015	34,920
Grieg Seafood ASA	2,264	23,274
Hexagon Composites ASA (A)(C)	9,323	39,207
Hoegh LNG Holdings, Ltd.	2,568	2,992
IDEX Biometrics ASA (A)(C)	19,564	3,041
Kvaerner ASA (A)	11,623	7,557
NEL ASA (A)	31,894	63,524
Nordic Nanovector ASA (A)	2,098	4,697
Nordic Semiconductor ASA (A)	7,334	56,210
Norway Royal Salmon ASA	1,027	26,916
Norwegian Air Shuttle ASA (A)(C)	6,144	1,736
Norwegian Finans Holding ASA (A)	5,444	37,578
Norwegian Property ASA	8,366	10,650
Ocean Yield ASA	4,830	10,925
Odfjell Drilling, Ltd. (A)	4,970	5,695
Olav Thon Eiendomsselskap ASA (A)	577	8,434
Otello Corp. ASA (A)	6,623	8,298
PGS ASA (A)	19,660	8,072
Protector Forsikring ASA (A)	4,177	16,082
Sbanken ASA (A)(D)	5,201	34,059
Scatec Solar ASA (C)(D)	4,733	77,357
Selvaag Bolig ASA	1,842	10,934
TGS NOPEC Geophysical Company ASA	3,905	57,605
Treasure ASA	3,110	3,569
Veidekke ASA (A)	4,419	53,655
Wilh Wilhelmsen Holding ASA, Class A	862	10,583
XXL ASA (A)(D)	4,462	8,807
		942,370
Peru - 0.0%		
Hochschild Mining PLC	16,530	39,944
Portugal - 0.3%		
Altri SGPS SA (C)	3,125	15,049
Banco Comercial Portugues SA (A)(C)	530,269	63,702
CTT-Correios de Portugal SA (A)	8,914	21,140
Mota-Engil SGPS SA (A)(C)	5,636	7,232
NOS SGPS SA (A)	13,982	61,071
REN - Redes Energeticas Nacionais SGPS SA	21,605	58,955
Semapa-Sociedade de Investimento e Gestao	1,885	17,145
Sonae SGPS SA	44,348	32,079
The Navigator Company SA (A)	12,847	31,265
		307,638
Russia - 0.1%		
Highland Gold Mining, Ltd.	12,084	34,973
Petropavlovsk PLC (A)	214,252	66,373
		101,346
Singapore - 1.2%		
Accordia Golf Trust	40,300	19,902
Ascendas India Trust	45,100	43,733
Banyan Tree Holdings, Ltd. (A)	19,800	3,514
Best World International, Ltd. (B)	16,300	15,907
Boustead Projects, Ltd.	3,000	1,601
Boustead Singapore, Ltd.	10,000	4,497
Bukit Sembawang Estates, Ltd.	11,000	30,530
BW LPG, Ltd. (D)	4,059	12,781
China Aviation Oil Singapore Corp., Ltd.	14,400	10,402
Chip Eng Seng Corp., Ltd.	33,000	13,707
ComfortDelGro Corp., Ltd.	86,000	90,378
COSCO Shipping International Singapore Company, Ltd. (A)	58,900	8,760
CSE Global, Ltd.	34,000	9,816

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Singapore (continued)		
Delfi, Ltd.	21,900	\$ 11,609
Ezion Holdings, Ltd. (A)(B)	131,300	4,051
Far East Orchard, Ltd. (A)	5,000	3,780
First Resources, Ltd.	19,300	19,389
Fraser and Neave, Ltd.	8,600	8,559
Frasers Property, Ltd.	13,400	12,189
Gallant Venture, Ltd. (A)	71,000	5,769
GL, Ltd.	51,700	22,295
Golden Agri-Resources, Ltd.	323,200	34,588
GuocoLand, Ltd.	10,400	10,951
Halcyon Agri Corp., Ltd. (A)	4,293	672
Haw Par Corp., Ltd.	5,800	41,020
Ho Bee Land, Ltd.	11,400	17,295
Hong Fok Corp., Ltd.	20,100	10,285
Hong Leong Finance, Ltd.	12,900	23,154
Hyflux, Ltd. (A)	24,000	72
IGG, Inc. (C)	51,000	41,943
Indofood Agri Resources, Ltd. (A)	25,000	5,449
Japfa, Ltd.	38,500	19,042
Kenon Holdings, Ltd.	787	15,569
Keppel Infrastructure Trust	157,190	61,163
Metro Holdings, Ltd.	31,600	16,584
Midas Holdings, Ltd. (A)(B)	86,000	10,071
OM Holdings, Ltd.	10,791	2,573
OUE, Ltd.	11,100	9,514
Oxley Holdings, Ltd.	25,106	4,275
Raffles Medical Group, Ltd.	34,841	23,072
Riverstone Holdings, Ltd.	15,700	29,614
SATS, Ltd.	20,400	42,286
SBS Transit, Ltd.	5,000	10,741
Sembcorp Industries, Ltd.	51,300	64,939
Sembcorp Marine, Ltd. (A)	12,200	3,757
Sheng Siong Group, Ltd.	29,900	35,530
SIA Engineering Company, Ltd.	12,800	18,245
SIIC Environment Holdings, Ltd.	35,800	5,300
Sinarmas Land, Ltd.	94,200	11,898
Singapore Post, Ltd.	66,100	36,749
Singapore Press Holdings, Ltd.	66,000	60,473
Stamford Land Corp., Ltd.	59,000	14,670
StarHub, Ltd.	25,600	23,984
Swiber Holdings, Ltd. (A)(B)	15,000	704
UMS Holdings, Ltd.	14,000	9,098
United Industrial Corp., Ltd.	7,100	11,252
UOB-Kay Hian Holdings, Ltd.	23,285	19,460
Wing Tai Holdings, Ltd.	21,205	27,322
XP Power, Ltd.	824	36,308
Yeo Hiap Seng, Ltd.	1,104	666
		1,163,457
South Africa - 0.1%		
Mediclinic International PLC	18,139	59,588
Petra Diamonds, Ltd. (A)	87,324	1,977
		61,565
Spain - 2.1%		
Acciona SA	1,362	133,987
Acerinox SA (A)	7,380	60,001
Alantra Partners SA	1,181	14,516
Almirall SA (A)	2,373	31,322
Amper SA (A)	82,546	14,980
Applus Services SA	6,225	47,956
Atresmedia Corp. de Medios de Comunicacion SA	6,046	15,803
Banco de Sabadell SA	4,153	1,459
Bankia SA	55,976	59,845
Bankinter SA	27,501	131,815
Caja de Ahorros del Mediterraneo (A)(B)	5,428	0

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Spain (continued)		
Cia de Distribucion Integral Logista Holdings SA	1,412	\$ 26,452
CIE Automotive SA	2,718	47,850
Construcciones y Auxiliar de Ferrocarriles SA	1,425	51,825
Distribuidora Internacional de Alimentacion SA (A)(C)	275,484	34,470
Ebro Foods SA	3,323	68,938
eDreams ODIGEO SA (A)	4,905	13,648
Elecnor SA	2,026	21,582
Enagas SA	5,830	142,622
Ence Energia y Celulosa SA	6,294	20,677
Ercros SA (A)	5,006	10,124
Euskaltel SA (D)	3,494	30,988
Faes Farma SA	12,329	50,267
Fluidra SA (A)	1,739	23,078
Fomento de Construcciones y Contratas SA (A)	2,275	21,523
Global Dominion Access SA (A)(D)	5,439	17,442
Grupo Catalana Occidente SA	2,346	54,326
Grupo Empresarial San Jose SA (A)(C)	2,194	11,734
Iberpapel Gestion SA	65	1,423
Indra Sistemas SA (A)	4,996	39,564
Laboratorios Farmaceuticos Rovi SA	987	28,066
Liberbank SA (A)	130,927	21,749
Mapfre SA	10,819	19,319
Masmovil Ibercom SA (A)	3,141	80,483
Mediaset Espana Comunicacion SA (A)	7,779	28,853
Melia Hotels International SA	6,008	25,644
Miquel y Costas & Miquel SA	1,474	21,154
Neinor Homes SA (A)(D)	1,978	20,361
Obrascon Huarte Lain SA (A)	14,644	10,484
Pharma Mar SA	13,550	117,056
Promotora de Informaciones SA, Class A (A)	11,711	6,607
Prosegur Cia de Seguridad SA	10,114	23,591
Realia Business SA (A)	17,710	13,627
Sacyr SA	20,852	43,442
Solaria Energia y Medio Ambiente SA (A)	3,480	44,304
Talgo SA (A)(D)	4,711	22,450
Tecnicas Reunidas SA (A)	830	12,705
Tubacex SA (A)	6,252	9,475
Unicaja Banco SA (A)(D)	3,130	1,600
Vidrala SA	854	81,435
Viscofan SA	1,837	120,085
Zardoya Otis SA	7,487	51,362
		2,004,069
Sweden - 3.2%		
AcadeMedia AB (D)	3,665	24,906
AddNode Group AB (A)	1,904	36,528
AddTech AB, B Shares	3,018	122,063
AF Poyry AB (A)	4,396	95,055
Alimak Group AB (C)(D)	2,777	30,108
Arjo AB, B Shares	8,195	45,756
Atrium Ljungberg AB, B Shares	2,105	29,738
Attendo AB (A)(D)	5,286	20,797
Avanza Bank Holding AB	4,000	56,993
Beijer Alma AB	2,393	24,628
Bergman & Beving AB (A)	2,270	17,573
Betsson AB (A)	5,105	35,591
BHG Group AB (A)	2,406	21,323
Bilia AB, A Shares	5,024	40,709
BillerudKorsnas AB	5,849	83,950
BioGaia AB, B Shares	1,083	59,602
Biotage AB (A)	3,574	53,515

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Bonava AB, B Shares	3,323	\$ 17,959
Bravida Holding AB (A)(D)	8,528	81,521
Bufab AB (A)	1,896	20,020
Bulten AB (A)	717	4,127
Bure Equity AB	2,728	59,537
Byggmax Group AB (A)	5,363	25,374
Catena AB	1,882	74,418
Clas Ohlson AB, B Shares	3,185	35,696
Cloetta AB, B Shares (A)	10,640	27,192
Collector AB (A)	1,870	2,727
Coor Service Management Holding AB (A)(D)	1,376	9,100
Corem Property Group AB, B Shares	3,585	6,821
Dios Fastigheter AB	3,582	23,994
Dometic Group AB (A)(D)	11,640	105,190
Duni AB	2,559	26,825
Dustin Group AB (D)	4,269	23,310
Eastnine AB	1,669	20,989
Enea AB (A)	1,999	36,138
Fagerhult AB (A)	4,609	17,097
FastPartner AB, A Shares (C)	2,697	20,250
Fingerprint Cards AB, B Shares (A)(C)	12,246	22,375
Granges AB (A)	5,164	41,170
Haldex AB (A)	3,364	13,682
Heba Fastighets AB, Class B	684	6,343
Hexpol AB (A)	1,854	13,834
HMS Networks AB (A)	1,433	26,850
Hoist Finance AB (A)(C)(D)	2,083	5,626
Humana AB (A)	2,641	13,460
Inwido AB (A)	3,126	21,812
JM AB	3,363	76,107
Klovern AB, B Shares	34,595	55,029
KNOW IT AB (A)	1,471	24,466
Kungsleden AB	8,561	64,073
Lagercrantz Group AB, B Shares	4,069	63,083
LeoVegas AB (D)	2,160	9,701
Lindab International AB	5,086	59,950
Loomis AB (A)	2,298	54,896
Mekonomen AB (A)	2,150	15,375
MIPS AB	651	22,575
Modern Times Group MTG AB, B Shares (A)	5,051	55,055
Momentum Group AB, Class B	2,270	29,144
Mycronic AB (C)	3,734	70,792
NCC AB, B Shares	835	13,574
Nederman Holding AB (A)	887	10,737
New Wave Group AB, B Shares (A)	4,353	14,632
Nobia AB (A)	6,676	31,799
Nobina AB (A)(D)	4,239	25,403
Nolato AB, B Shares (A)	919	62,145
Nordic Entertainment Group AB, B Shares	724	22,266
Nordic Waterproofing Holding AS (A)(D)	2,615	28,664
NP3 Fastigheter AB	1,683	15,956
Nyfosa AB (A)	9,287	63,739
OEM International AB, B Shares (A)	1,040	26,799
Peab AB, Class B (A)	5,776	47,744
Platzer Fastigheter Holding AB, Series B	5,149	44,147
Pricer AB, B Shares	7,930	20,947
Proact IT Group AB (A)	476	8,970
Qliro Group AB (A)	6,110	4,262
Ratos AB, B Shares (A)	14,845	39,920
RaySearch Laboratories AB (A)	2,452	22,983
Recipharm AB, B Shares (A)(C)	2,514	31,183
Resurs Holding AB (D)	6,236	25,724
SAS AB (A)(C)	22,659	18,960

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Scandi Standard AB (A)	4,648	\$ 32,194
Scandic Hotels Group AB (C)(D)	5,932	20,998
Sectra AB, B Shares (A)	1,006	57,326
Sensys Gatso Group AB (A)	23,414	3,242
SkiStar AB	3,542	36,301
Systemair AB	901	15,686
Troax Group AB	1,308	20,532
VBG Group AB, B Shares (A)	630	9,470
Wihlborgs Fastigheter AB	4,275	70,321
		3,049,142
Switzerland - 6.6%		
Allreal Holding AG	1,022	202,599
ALSO Holding AG (A)	471	115,699
APG SGA SA (A)	136	25,407
Arbonia AG (A)	2,962	30,692
Aryzta AG (A)(C)	42,352	19,158
Ascom Holding AG (A)	2,404	22,222
Autoneum Holding AG (A)(C)	221	21,630
Bachem Holding AG, Class B	168	44,367
Baloise Holding AG	348	52,426
Banque Cantonale de Geneve	142	27,386
Banque Cantonale Vaudoise	1,050	102,252
Belimo Holding AG	27	199,820
Bell Food Group AG	138	34,997
Bellevue Group AG	467	10,877
Berner Kantonalbank AG	285	69,144
BKW AG	1,315	118,062
Bobst Group SA	632	37,427
Bossard Holding AG, Class A	310	47,517
Bucher Industries AG	428	123,628
Burckhardt Compression Holding AG	143	35,034
Burkhalter Holding AG	218	14,060
Calida Holding AG (A)	285	8,685
Carlo Gavazzi Holding AG	38	7,230
Cembra Money Bank AG	1,587	155,134
Cie Financiere Tradition SA	103	11,453
Clariant AG (A)	7,517	147,941
Coltene Holding AG (A)	198	14,931
Conzzeta AG	74	66,338
DKSH Holding AG	1,894	122,026
dormakaba Holding AG (A)	140	76,455
Dufry AG (A)(C)	955	28,606
EFG International AG (A)	4,687	33,432
Emmi AG	118	103,281
Energiedienst Holding AG	979	31,165
Evolva Holding SA (A)(C)	72,989	17,800
Feintool International Holding AG (A)	142	7,245
Fenix Outdoor International AG (A)(C)	225	20,299
Ferrexpo PLC	22,757	48,873
Flughafen Zurich AG (A)	804	105,008
Forbo Holding AG	47	68,230
Galenica AG (D)	2,038	146,115
GAM Holding AG (A)	11,204	26,023
Georg Fischer AG	248	213,801
Gurit Holding AG	22	32,226
Helvetia Holding AG	1,463	137,039
Hiag Immobilien Holding AG (A)	420	41,038
HOCHDORF Holding AG (A)(C)	124	8,010
Huber & Suhner AG	859	60,406
Hypothekbank Lenzburg AG	3	13,580
Implen AG	994	36,959
Ina Invest Holding AG (A)(C)	199	4,411
Inficon Holding AG	129	100,947
Interroll Holding AG	38	76,877
Intershop Holding AG	93	55,666

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
IWG PLC	38,584	\$ 126,836
Jungfrau Holding AG (A)	199	25,956
Kardex Holding AG	299	54,985
Komax Holding AG (A)	221	35,978
Kongsberg Automotive ASA (A)(C)	29,400	1,070
Kudelski SA (C)	2,497	9,084
Landis+Gyr Group AG (A)	160	10,365
LEM Holding SA	19	28,132
Logitech International SA	613	40,170
Luzerner Kantonalbank AG (A)	205	85,088
Metall Zug AG, B Shares	12	17,948
Mobilezone Holding AG	3,642	31,815
Mobimo Holding AG (A)	463	134,347
OC Oerlikon Corp. AG	11,683	95,838
Orascom Development Holding AG (A)	533	4,949
Orell Fuessli Holding AG (C)	92	8,656
Orior AG	425	34,958
Phoenix Mecano AG	38	15,295
Plazza AG, Class A	68	19,743
PSP Swiss Property AG	2,555	287,784
Rieter Holding AG	251	23,208
Romande Energie Holding SA	34	36,649
Schaffner Holding AG	40	8,151
Schmolz + Bickenbach AG (A)(C)	39,436	8,127
Schweiter Technologies AG	48	59,499
SFS Group AG	900	84,817
Siegfried Holding AG (A)	220	100,116
SIG Combibloc Group AG (A)	8,692	141,433
St. Galler Kantonalbank AG, Class A	152	68,053
Sulzer AG	877	70,335
Sunrise Communications Group AG (A)(D)	1,661	147,741
Swiss Prime Site AG	1,290	119,667
Swissquote Group Holding SA	588	50,392
Tecan Group AG	189	66,983
TX Group AG	201	14,932
u-blox Holding AG (A)	431	29,562
Valiant Holding AG	867	80,902
Valora Holding AG (A)	193	37,076
Varia US Properties AG (C)	539	22,362
VAT Group AG (A)(D)	1,510	277,346
Vaudoise Assurances Holding SA	64	30,154
Vetropack Holding AG (A)	500	27,676
Von Roll Holding AG (A)	7,878	7,233
Vontobel Holding AG	1,798	126,610
VZ Holding AG	805	60,411
V-ZUG Holding AG (A)	120	9,879
Walliser Kantonalbank	203	22,060
Warteck Invest AG	8	17,592
Ypsomed Holding AG (A)	103	14,629
Zehnder Group AG	615	24,215
Zug Estates Holding AG, B Shares	16	33,952
Zuger Kantonalbank AG	9	58,274
		6,330,667
Taiwan - 0.0%		
Ya Hsin Industrial Company, Ltd. (A)(B)	138,000	0
United Kingdom - 12.7%		
4imprint Group PLC	1,523	46,432
A.G. Barr PLC	4,718	26,403
AA PLC	34,743	9,825
Afren PLC (A)(B)	55,554	0
Aggreko PLC	12,621	69,408
AJ Bell PLC	339	1,629
Alliance Pharma PLC	8,718	8,019
Anglo Pacific Group PLC	12,147	20,211
Anglo-Eastern Plantations PLC	1,225	7,512

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Arrow Global Group PLC	6,931	\$ 7,639
Ashtent PLC (D)	15,022	53,889
Ashmore Group PLC	15,764	81,397
ASOS PLC (A)	623	26,479
Avon Rubber PLC	2,322	91,863
B&M European Value Retail SA	19,821	97,567
Babcock International Group PLC	22,879	87,684
Balfour Beatty PLC	34,581	111,331
Beazley PLC	24,625	124,840
Bellway PLC	5,716	180,032
Biffa PLC (D)	7,100	17,741
Bodycote PLC	9,417	73,012
boohoo Group PLC (A)	35,178	180,143
Braemar Shipping Services PLC	1,328	1,987
Brewin Dolphin Holdings PLC	15,066	48,554
Britvic PLC	13,590	129,417
Cairn Energy PLC (A)	28,458	41,414
Capita PLC (A)	17,050	9,327
Capital & Counties Properties PLC	11,437	20,740
Card Factory PLC	14,688	9,174
CareTech Holdings PLC	4,102	22,040
Carillion PLC (A)(B)	35,521	4,221
Central Asia Metals PLC	8,189	14,905
Chemring Group PLC	13,921	41,473
Chesnara PLC	7,709	27,830
Cineworld Group PLC	27,060	20,314
Circassia Group PLC (A)	9,034	2,750
Clarkson PLC	1,348	37,539
Clinigen Group PLC	1,547	15,504
Close Brothers Group PLC	9,047	123,858
CLS Holdings PLC	10,759	24,744
CMC Markets PLC (D)	7,009	23,327
Coats Group PLC	23,020	16,022
Computacenter PLC	3,268	66,234
Concentric AB (A)	3,084	43,796
ConvaTec Group PLC (D)	33,709	81,410
Costain Group PLC	4,797	4,242
Countryside Properties PLC (D)	20,199	82,713
Cranswick PLC	2,698	120,854
Crest Nicholson Holdings PLC	16,969	41,481
CVS Group PLC	1,878	24,007
Daily Mail & General Trust PLC, Class A	9,763	83,404
Dart Group PLC	4,917	51,089
De La Rue PLC	6,976	11,217
Debenhams PLC (A)(B)	76,182	0
Devro PLC	12,253	22,842
DFS Furniture PLC	12,509	25,677
Dialight PLC (A)	105	434
Dialog Semiconductor PLC (A)	5,144	235,124
Dignity PLC (A)	3,439	10,535
Diploma PLC	12,001	266,790
DiscoverIE Group PLC	5,627	35,715
Dixons Carphone PLC	44,671	49,647
Domino's Pizza Group PLC	21,324	81,851
Drax Group PLC	21,413	68,338
Dunelm Group PLC	5,863	86,376
Electrocomponents PLC	24,912	207,376
Elementis PLC	35,393	28,251
EMIS Group PLC	1,913	25,522
Energiean PLC (A)	381	2,914
EnQuest PLC (A)	109,392	19,841
Equiniti Group PLC (D)	10,616	19,177
Essentra PLC	14,966	54,104
Euromoney Institutional Investor PLC	4,334	42,274
FDM Group Holdings PLC	3,208	36,053

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Fevertree Drinks PLC	3,631	\$ 92,044
Firstgroup PLC (A)	89,684	56,191
Forterra PLC (D)	6,408	15,961
Foxtons Group PLC (A)	23,551	11,231
Frasers Group PLC (A)	10,048	38,074
Fuller Smith & Turner PLC, Class A	1,525	14,508
G4S PLC	73,635	104,172
Galliford Try Holdings PLC	5,675	8,297
Games Workshop Group PLC	2,802	278,421
Gamesys Group PLC (A)	3,107	32,969
Gamma Communications PLC	597	9,553
Gem Diamonds, Ltd. (A)	12,666	4,100
Genus PLC	313	13,702
GoCo Group PLC	23,140	27,681
Grainger PLC	32,768	116,274
Greggs PLC	6,454	129,441
Gulf Keystone Petroleum, Ltd.	7,420	8,204
Halfords Group PLC	15,547	29,366
Hastings Group Holdings PLC (D)	11,627	27,763
Hays PLC	77,290	114,450
Headlam Group PLC	6,602	23,166
Helical PLC	8,263	31,819
Henry Boot PLC	5,301	16,610
Hill & Smith Holdings PLC	4,882	75,247
Hilton Food Group PLC	2,375	37,160
Hollywood Bowl Group PLC	8,153	15,784
Horizon Discovery Group PLC (A)	5,948	7,215
Howden Joinery Group PLC	27,750	189,981
Hunting PLC	8,331	21,795
Hurricane Energy PLC (A)	21,839	1,573
Hyve Group PLC	12,149	14,973
Ibstock PLC (D)	19,043	42,369
IG Group Holdings PLC	19,426	196,165
IMI PLC	13,430	153,219
Inchcape PLC	23,434	142,413
Indivior PLC (A)	37,592	38,460
IntegraFin Holdings PLC	961	5,449
Intermediate Capital Group PLC	3,867	61,693
International Personal Finance PLC	12,526	8,113
iomart Group PLC	2,265	9,822
IP Group PLC (A)	38,897	30,953
J.D. Wetherspoon PLC	3,666	45,608
James Fisher & Sons PLC	4,181	70,923
James Halstead PLC	2,706	17,438
John Laing Group PLC (D)	17,773	76,987
John Menzies PLC	7,323	11,256
John Wood Group PLC	29,391	70,473
Johnson Service Group PLC	7,514	10,754
Jupiter Fund Management PLC	22,824	72,371
Just Group PLC (A)	37,116	24,205
Kainos Group PLC	4,099	38,040
KAZ Minerals PLC	11,463	70,622
Keller Group PLC	4,206	32,945
Kier Group PLC (A)	12,017	14,515
Kin & Carta PLC	3,492	2,661
Lancashire Holdings, Ltd.	11,586	116,182
Liontrust Asset Management PLC	318	5,129
Lookers PLC	22,449	5,862
LSL Property Services PLC	6,404	15,809
M&C Saatchi PLC	253	166
Man Group PLC	80,474	130,285
Marshall's PLC	12,527	95,501
Marston's PLC	37,566	24,861
McBride PLC (A)	14,770	11,428
McCarthy & Stone PLC (D)	19,899	17,610

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Mears Group PLC	8,289	\$ 16,341
Meggitt PLC	9,312	33,918
Metro Bank PLC (A)	674	874
Mitchells & Butlers PLC (A)	12,079	28,127
Mitie Group PLC	21,415	22,120
MJ Gleeson PLC	2,770	22,553
MoneySupermarket.com Group PLC	30,606	122,772
Morgan Advanced Materials PLC	14,263	42,659
Morgan Sindall Group PLC	2,826	43,042
N. Brown Group PLC	9,633	4,197
Naked Wines PLC	3,126	17,122
National Express Group PLC	23,513	54,728
NCC Group PLC	13,335	29,521
Next Fifteen Communications Group PLC	2,559	11,270
Non-Standard Finance PLC (D)	12,541	1,043
Norcros PLC	6,666	12,645
Numis Corp. PLC	2,926	11,493
On the Beach Group PLC (D)	5,451	19,859
OneSavings Bank PLC	13,146	43,214
Oxford Instruments PLC	4,212	74,854
Pagegroup PLC	14,252	66,924
Pan African Resources PLC	85,815	18,611
Paragon Banking Group PLC	16,092	69,901
PayPoint PLC	2,581	19,164
Pendragon PLC (A)	102,667	11,385
Pennon Group PLC	20,860	288,862
Petrofac, Ltd.	12,318	27,244
Pets at Home Group PLC	24,400	72,188
Pharos Energy PLC (A)	16,636	3,650
Photo-Me International PLC	18,684	12,697
Polar Capital Holdings PLC	1,442	9,001
Polypipe Group PLC	12,035	64,374
Porvair PLC	2,468	17,061
Premier Foods PLC (A)	41,106	35,438
Premier Miton Group PLC	4,273	5,388
Premier Oil PLC (A)(C)	52,556	34,492
Provident Financial PLC	7,268	15,892
PZ Cussons PLC	16,024	36,688
QinetiQ Group PLC	27,714	102,083
Quilter PLC (D)	93,131	160,273
Rank Group PLC	7,303	13,254
Rathbone Brothers PLC	2,988	52,634
Reach PLC	27,680	26,565
Redde Northgate PLC	8,929	18,358
Redrow PLC	24,688	131,662
Renew Holdings PLC	4,150	22,880
Renewi PLC	86,394	28,045
Renishaw PLC	1,380	68,643
Ricardo PLC	2,982	15,456
RM PLC	8,752	25,730
Robert Walters PLC	4,693	23,334
Rotork PLC	41,331	143,046
Royal Mail PLC	35,135	79,188
RPS Group PLC	15,418	9,305
RWS Holdings PLC	1,434	10,651
Sabre Insurance Group PLC (D)	839	2,755
Saga PLC	35,682	6,852
Savannah Energy PLC (A)	25,207	2,314
Savills PLC	9,220	94,034
Scapa Group PLC	9,781	11,988
SDL PLC (A)	7,019	43,696
Senior PLC	21,835	18,865
Severfield PLC	11,941	9,043
SIG PLC	51,284	19,469
Signature Aviation PLC	44,224	126,426

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Smart Metering Systems PLC	1,773	\$ 13,017
Softcat PLC	5,177	70,019
Spectris PLC	6,138	191,705
Speedy Hire PLC	24,369	17,222
Spire Healthcare Group PLC (D)	8,597	9,095
Spirent Communications PLC	37,163	111,187
Sportech PLC (A)	11,390	2,631
SSP Group PLC	24,866	79,246
St. Modwen Properties PLC	11,275	48,429
Stagecoach Group PLC	27,597	20,443
SThree PLC	8,144	27,176
Stobart Group, Ltd. (A)	22,446	9,541
Stock Spirits Group PLC	6,082	17,604
Stolt-Nielsen, Ltd.	2,414	22,051
Studio Retail Group PLC (A)	8,139	22,396
STV Group PLC	2,685	7,782
Superdry PLC	3,110	5,475
Synthomer PLC	15,208	52,418
TalkTalk Telecom Group PLC	31,116	33,049
Tate & Lyle PLC	27,022	223,383
Ted Baker PLC	2,896	3,024
Telecom Plus PLC	5,429	96,105
Telit Communications PLC (A)	5,999	8,173
The Go-Ahead Group PLC	3,096	32,116
The Gym Group PLC (D)	3,234	6,104
The Restaurant Group PLC	8,885	6,226
The Vitec Group PLC	2,842	23,920
The Weir Group PLC	7,114	93,487
Thomas Cook Group PLC (A)(B)	58,171	0
Topps Tiles PLC	15,591	8,555
TORM PLC (C)	2,744	18,941
TP ICAP PLC	32,445	140,914
Travis Perkins PLC	14,247	198,631
Trifast PLC	7,237	10,176
TT Electronics PLC	14,769	30,120
Tullow Oil PLC (C)	72,437	28,693
U & I Group PLC	12,008	11,702
Ultra Electronics Holdings PLC	3,309	81,601
Urban & Civic PLC	3,585	10,364
Vectura Group PLC	38,720	46,376
Vesuvius PLC	12,719	61,027
Victrex PLC	5,890	142,386
Virgin Money UK PLC (A)	28,550	32,443
Vistry Group PLC	14,705	129,529
Volex PLC	3,136	5,932
Vp PLC	637	6,019
Watkin Jones PLC	6,905	12,993
WH Smith PLC	5,673	77,234
William Hill PLC	45,198	63,857
Wilmington PLC	8,076	12,368
Wincanton PLC	10,534	24,378
Xaar PLC (A)	5,629	3,952
Young & Company's Brewery PLC, Class A	213	2,672
		12,227,244
United States - 0.5%		
Alacer Gold Corp. (A)	21,191	145,633
Argonaut Gold, Inc. (A)	12,132	22,877
Burford Capital, Ltd.	2,002	11,575
Energy Fuels, Inc. (A)(C)	730	1,097
Invesque, Inc.	2,000	4,980

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
Kingsway Financial Services, Inc. (A)	425	\$ 951
Primo Water Corp.	6,607	90,666
PureTech Health PLC (A)	8,592	28,411
REC Silicon ASA (A)(C)	13,597	4,036
Reliance Worldwide Corp., Ltd.	24,142	49,609
Samsonite International SA (A)(D)	44,700	45,596
Sims, Ltd.	9,104	50,599
		456,030
TOTAL COMMON STOCKS (Cost \$112,986,367)		\$ 94,629,040
PREFERRED SECURITIES - 0.3%		
Germany - 0.3%		
Biotest AG	486	11,094
Draegerwerk AG & Company KGaA	721	59,001
FUCHS PETROLUB SE (C)	2,006	80,628
Jungheinrich AG	2,134	50,174
Sixt SE	838	43,645
STO SE & Company KGaA	124	14,078
Villeroy & Boch AG	625	7,905
		266,525
TOTAL PREFERRED SECURITIES (Cost \$271,147)		\$ 266,525
RIGHTS - 0.0%		
De La Rue PLC (Expiration Date: 7-6-20; Strike Price: GBP 1.10) (A)	3,052	756
Finnair OYJ (Expiration Date: 7-2-20; Strike Price: EUR 0.40) (A)	4,081	17,881
SIG PLC (Expiration Date: 7-9-20; Strike Price: GBP 0.30) (A)	12,821	79
TOTAL RIGHTS (Cost \$36,094)		\$ 18,716
SHORT-TERM INVESTMENTS - 7.0%		
Short-term funds - 7.0%		
John Hancock Collateral Trust, 0.2429% (E)(F)	676,558	6,773,223
TOTAL SHORT-TERM INVESTMENTS (Cost \$6,770,650)		\$ 6,773,223
Total Investments (International Small Company Trust) (Cost \$120,064,258) - 105.7%		\$ 101,687,504
Other assets and liabilities, net - (5.7%)		(5,507,794)
TOTAL NET ASSETS - 100.0%		\$ 96,179,710

Currency Abbreviations

EUR Euro
GBP Pound Sterling

Security Abbreviations and Legend

- CVR Contingent Value Right
- (A) Non-income producing security.
- (B) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
- (C) All or a portion of this security is on loan as of 6-30-20.
- (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) The rate shown is the annualized seven-day yield as of 6-30-20.
- (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 — June 30, 2020 (unaudited) (showing percentage of total net assets)

International Small Company Trust (continued)

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI EAFE Index Futures	7	Long	Sep 2020	\$625,430	\$622,405	\$(3,025)
						\$(3,025)

[^] 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 Aggressive Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 82.6%		
Equity - 82.6%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	1,556,983	\$ 29,426,983
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$28,586,450)		\$ 29,426,983
UNAFFILIATED INVESTMENT COMPANIES - 17.5%		
Exchange-traded funds - 17.5%		
Financial Select Sector SPDR Fund	26,769	619,435
Vanguard Energy ETF	8,736	439,421
Vanguard FTSE Emerging Markets ETF	47,269	1,872,325
Vanguard Health Care ETF	1,299	250,252
Vanguard Information Technology ETF	3,265	909,988
Vanguard Materials ETF	1,241	149,714
Vanguard Mid-Cap ETF	6,581	1,078,692
Vanguard Real Estate ETF	4,430	347,888
Vanguard Small-Cap ETF	3,992	581,714
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$6,127,631)		\$ 6,249,429
Total Investments (Lifestyle Aggressive Portfolio) (Cost \$34,714,081) - 100.1%		\$ 35,676,412
Other assets and liabilities, net - (0.1%)		(32,756)
TOTAL NET ASSETS - 100.0%		\$ 35,643,656

Security Abbreviations and Legend

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

Lifestyle Balanced Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 50.3%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	25,841,256	\$ 488,399,744
Fixed income - 49.7%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	33,008,619	482,255,918
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$894,692,159)		\$ 970,655,662
Total Investments (Lifestyle Balanced Portfolio) (Cost \$894,692,159) - 100.0%		\$ 970,655,662
Other assets and liabilities, net - (0.0%)		(49,752)
TOTAL NET ASSETS - 100.0%		\$ 970,605,910

Security Abbreviations and Legend

JHVIT	John Hancock Variable Insurance Trust
MIM US	Manulife Investment Management (US) LLC

Lifestyle Balanced Portfolio (continued)

- (A) The underlying portfolios' subadvisor is shown parenthetically.
(B) The subadvisor is an affiliate of the advisor.

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)	2,142,083	\$ 40,485,364
Fixed income - 80.0%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	11,084,289	161,941,455
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$189,467,306)		\$ 202,426,819
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (C)	14	14
TOTAL SHORT-TERM INVESTMENTS (Cost \$14)		\$ 14
Total Investments (Lifestyle Conservative Portfolio) (Cost \$189,467,320) - 100.0%		\$ 202,426,833
Other assets and liabilities, net - (0.0%)		(24,936)
TOTAL NET ASSETS - 100.0%		\$ 202,401,897

Security Abbreviations and Legend

JHVIT	John Hancock Variable Insurance Trust
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying portfolios' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	The rate shown is the annualized seven-day yield as of 6-30-20.

Lifestyle Growth Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 71.0%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	209,575,616	\$ 3,960,979,148
Fixed income - 29.0%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	110,783,928	1,618,537,318
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$5,088,291,789)		\$ 5,579,516,466
Total Investments (Lifestyle Growth Portfolio) (Cost \$5,088,291,789) - 100.0%		\$ 5,579,516,466
Other assets and liabilities, net - (0.0%)		(140,862)
TOTAL NET ASSETS - 100.0%		\$ 5,579,375,604

Security Abbreviations and Legend

JHVIT	John Hancock Variable Insurance Trust
MIM US	Manulife Investment Management (US) LLC

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Lifestyle Growth Portfolio (continued)

(A) The underlying portfolios' subadvisor is shown parenthetically.
(B) The subadvisor is an affiliate of the advisor.

Lifestyle Moderate Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 40.5%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	6,459,173	\$ 122,078,369
Fixed income - 59.5%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	12,277,435	179,373,333
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$279,899,829)		\$ 301,451,702
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (C)	10	10
TOTAL SHORT-TERM INVESTMENTS (Cost \$10)		\$ 10
Total Investments (Lifestyle Moderate Portfolio) (Cost \$279,899,839) - 100.0%		\$ 301,451,712
Other assets and liabilities, net - (0.0%)		(27,640)
TOTAL NET ASSETS - 100.0%		\$ 301,424,072

Security Abbreviations and Legend

JHVIT John Hancock Variable Insurance Trust
MIM US Manulife Investment Management (US) LLC
(A) The underlying portfolios' subadvisor is shown parenthetically.
(B) The subadvisor is an affiliate of the advisor.
(C) The rate shown is the annualized seven-day yield as of 6-30-20.

Mid Cap Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 97.7%		
Communication services - 1.8%		
Entertainment - 0.2%		
Cinemark Holdings, Inc.	73,200	\$ 845,460
World Wrestling Entertainment, Inc., Class A (A)	31,683	1,376,626
		2,222,086
Interactive media and services - 0.2%		
TripAdvisor, Inc. (A)	68,924	1,310,245
Yelp, Inc. (A)(B)	44,752	1,035,114
		2,345,359
Media - 1.3%		
AMC Networks, Inc., Class A (A)(B)	27,743	648,909
Cable One, Inc.	3,599	6,387,685
John Wiley & Sons, Inc., Class A (A)	29,882	1,165,398
TEGNA, Inc.	149,489	1,665,307
The New York Times Company, Class A (A)	98,711	4,148,823
		14,016,122
Wireless telecommunication services - 0.1%		
Telephone & Data Systems, Inc.	66,777	1,327,527
		19,911,094
Consumer discretionary - 14.1%		
Auto components - 1.3%		
Adient PLC (B)	59,724	980,668
Dana, Inc. (A)	98,835	1,204,799
Delphi Technologies PLC (A)(B)	59,070	839,385
Genlex Corp.	167,510	4,316,733
Lear Corp.	37,301	4,066,555

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Auto components (continued)		
The Goodyear Tire & Rubber Company	159,173	\$ 1,423,802
Visteon Corp. (A)(B)	19,034	1,303,829
		14,135,771
Automobiles - 0.6%		
Harley-Davidson, Inc.	104,781	2,490,644
Thor Industries, Inc. (A)	37,760	4,022,573
		6,513,217
Distributors - 0.7%		
Pool Corp.	27,319	7,427,217
Diversified consumer services - 1.2%		
Adtalem Global Education, Inc. (A)(B)	35,436	1,103,831
Graham Holdings Company, Class B	2,924	1,001,967
Grand Canyon Education, Inc. (A)(B)	32,365	2,930,003
Service Corp. International	121,863	4,739,252
Strategic Education, Inc.	15,197	2,335,019
WW International, Inc. (A)(B)	31,877	809,038
		12,919,110
Hotels, restaurants and leisure - 3.3%		
Boyd Gaming Corp. (A)	54,795	1,145,216
Caesars Entertainment Corp. (A)(B)	383,681	4,654,051
Choice Hotels International, Inc. (A)	21,585	1,703,057
Churchill Downs, Inc.	24,009	3,196,798
Cracker Barrel Old Country Store, Inc.	16,208	1,797,629
Dunkin' Brands Group, Inc. (A)	56,170	3,663,969
Eldorado Resorts, Inc. (A)(B)	57,893	2,319,194
Jack in the Box, Inc. (A)	15,509	1,149,062
Marriott Vacations Worldwide Corp.	24,993	2,054,675
Papa John's International, Inc.	15,239	1,210,129
Penn National Gaming, Inc. (A)(B)	88,359	2,698,484
Scientific Games Corp. (A)(B)	37,484	579,503
Six Flags Entertainment Corp.	53,877	1,034,977
Texas Roadhouse, Inc.	44,569	2,342,992
The Wendy's Company	121,870	2,654,329
Wyndham Destinations, Inc.	58,238	1,641,147
Wyndham Hotels & Resorts, Inc.	63,681	2,714,084
		36,559,296
Household durables - 1.4%		
Helen of Troy, Ltd. (B)	17,269	3,256,243
KB Home	59,522	1,826,135
Taylor Morrison Home Corp. (B)	88,655	1,710,155
Tempur Sealy International, Inc. (A)(B)	29,615	2,130,799
Toll Brothers, Inc.	79,064	2,576,696
TopBuild Corp. (B)	22,848	2,599,417
TRI Pointe Group, Inc. (B)	89,091	1,308,747
		15,408,192
Internet and direct marketing retail - 1.2%		
Etsy, Inc. (B)	81,184	8,624,176
GrubHub, Inc. (A)(B)	62,904	4,422,151
		13,046,327
Leisure products - 0.8%		
Brunswick Corp.	54,129	3,464,797
Mattel, Inc. (A)(B)	237,302	2,294,710
Polaris, Inc.	39,385	3,645,082
		9,404,589
Multiline retail - 0.4%		
Nordstrom, Inc. (A)	74,105	1,147,886
Ollie's Bargain Outlet Holdings, Inc. (A)(B)	38,682	3,777,297
		4,925,183
Specialty retail - 2.2%		
Aaron's, Inc. (A)	46,220	2,098,388
American Eagle Outfitters, Inc. (A)	106,421	1,159,989

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
AutoNation, Inc. (A)(B)	39,376	\$ 1,479,750
Dick's Sporting Goods, Inc. (A)	44,571	1,838,999
Five Below, Inc. (B)	38,126	4,076,051
Foot Locker, Inc.	71,274	2,078,350
Murphy USA, Inc. (A)(B)	18,762	2,112,414
RH (A)(B)	11,349	2,824,766
Sally Beauty Holdings, Inc. (A)(B)	77,211	967,454
Urban Outfitters, Inc. (A)(B)	48,158	732,965
Williams-Sonoma, Inc. (A)	53,192	4,362,276
		23,731,402
Textiles, apparel and luxury goods – 1.0%		
Carter's, Inc. (A)	29,833	2,407,523
Columbia Sportswear Company (A)	19,449	1,567,200
Deckers Outdoor Corp. (B)	19,153	3,761,458
Skechers U.S.A., Inc., Class A (B)	93,153	2,923,141
		10,659,322
		154,729,626
Consumer staples – 3.7%		
Beverages – 0.3%		
The Boston Beer Company, Inc., Class A (B)	6,605	3,544,573
Food and staples retailing – 1.0%		
BJ's Wholesale Club Holdings, Inc. (A)(B)	84,386	3,145,066
Casey's General Stores, Inc.	25,170	3,763,418
Grocery Outlet Holding Corp. (B)	43,567	1,777,534
Sprouts Farmers Market, Inc. (A)(B)	80,574	2,061,889
		10,747,907
Food products – 2.0%		
Darling Ingredients, Inc. (B)	112,215	2,762,733
Flowers Foods, Inc.	131,705	2,944,924
Ingredion, Inc.	45,814	3,802,562
Lancaster Colony Corp. (A)	13,551	2,100,269
Pilgrim's Pride Corp. (B)	35,445	598,666
Post Holdings, Inc. (B)	43,839	3,841,173
Sanderson Farms, Inc. (A)	13,540	1,569,151
The Hain Celestial Group, Inc. (A)(B)	53,703	1,692,182
Tootsie Roll Industries, Inc. (A)	11,698	400,890
TreeHouse Foods, Inc. (B)	38,605	1,690,899
		21,403,449
Household products – 0.2%		
Energizer Holdings, Inc. (A)	43,551	2,068,237
Personal products – 0.2%		
Edgewell Personal Care Company (B)	37,171	1,158,248
Nu Skin Enterprises, Inc., Class A	35,503	1,357,280
		2,515,528
		40,279,694
Energy – 1.4%		
Energy equipment and services – 0.2%		
ChampionX Corp. (B)	127,074	1,240,242
Transocean, Ltd. (A)(B)	395,188	723,182
		1,963,424
Oil, gas and consumable fuels – 1.2%		
Antero Midstream Corp. (A)	192,314	980,801
Cimarex Energy Company	69,844	1,920,012
CNX Resources Corp. (B)	127,961	1,106,863
EQT Corp.	174,815	2,080,299
Equitrans Midstream Corp.	278,022	2,310,363
Murphy Oil Corp. (A)	99,919	1,378,882
PBF Energy, Inc., Class A	69,767	714,414
World Fuel Services Corp.	43,314	1,115,769

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
WPX Energy, Inc. (B)	279,350	\$ 1,782,253
		13,389,656
		15,353,080
Financials – 14.7%		
Banks – 5.9%		
Associated Banc-Corp.	105,122	1,438,069
BancorpSouth Bank	66,496	1,512,119
Bank of Hawaii Corp. (A)	27,370	1,680,792
Bank OZK (A)	82,694	1,940,828
Cathay General Bancorp	51,701	1,359,736
CIT Group, Inc.	67,289	1,394,901
Commerce Bancshares, Inc.	68,667	4,083,626
Cullen/Frost Bankers, Inc. (A)	38,940	2,909,207
East West Bancorp, Inc. (A)	96,787	3,507,561
First Financial Bankshares, Inc. (A)	97,173	2,807,328
First Horizon National Corp. (A)	213,335	2,124,817
FNB Corp.	220,995	1,657,463
Fulton Financial Corp.	110,676	1,165,418
Glacier Bancorp, Inc.	60,693	2,141,856
Hancock Whitney Corp.	59,024	1,251,309
Home BancShares, Inc. (A)	105,064	1,615,884
International Bancshares Corp.	38,088	1,219,578
PacWest Bancorp	79,681	1,570,513
Pinnacle Financial Partners, Inc.	48,772	2,047,936
Prosperity Bancshares, Inc. (A)	63,387	3,763,920
Signature Bank	36,645	3,918,083
Sterling Bancorp	133,020	1,558,994
Synovus Financial Corp.	100,754	2,068,480
TCF Financial Corp.	104,053	3,061,239
Texas Capital Bancshares, Inc. (B)	34,495	1,064,861
Trustmark Corp.	43,384	1,063,776
UMB Financial Corp.	28,978	1,493,816
Umpqua Holdings Corp.	150,643	1,602,842
United Bankshares, Inc.	87,003	2,406,503
Valley National Bancorp (A)	267,941	2,095,299
Webster Financial Corp.	61,682	1,764,722
Wintrust Financial Corp.	39,381	1,717,799
		65,009,275
Capital markets – 2.9%		
Affiliated Managers Group, Inc.	32,314	2,409,332
Eaton Vance Corp.	77,936	3,008,330
Evercore, Inc., Class A	27,729	1,633,793
FactSet Research Systems, Inc.	25,907	8,509,672
Federated Hermes, Inc.	65,596	1,554,625
Interactive Brokers Group, Inc., Class A	52,504	2,193,092
Janus Henderson Group PLC (A)	104,990	2,221,588
Legg Mason, Inc. (A)	57,196	2,845,501
SEI Investments Company	85,005	4,673,575
Stifel Financial Corp. (A)	46,867	2,222,902
		31,272,410
Consumer finance – 0.5%		
FirstCash, Inc. (A)	28,348	1,912,923
LendingTree, Inc. (A)(B)	5,273	1,526,692
Navient Corp.	116,671	820,197
SLM Corp.	256,591	1,803,835
		6,063,647
Diversified financial services – 0.2%		
Jefferies Financial Group, Inc.	154,473	2,402,055
Insurance – 4.5%		
Alleghany Corp.	9,789	4,788,191
American Financial Group, Inc.	51,010	3,237,095
Brighthouse Financial, Inc. (B)	64,196	1,785,933
Brown & Brown, Inc.	160,911	6,558,732

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
CNO Financial Group, Inc.	98,244	\$ 1,529,659
First American Financial Corp.	76,220	3,660,084
Genworth Financial, Inc., Class A (B)	344,300	795,333
Kemper Corp.	41,958	3,042,794
Mercury General Corp.	18,555	756,116
Old Republic International Corp.	195,475	3,188,197
Primerica, Inc.	27,896	3,252,674
Reinsurance Group of America, Inc.	46,394	3,639,145
RenaissanceRe Holdings, Ltd.	34,410	5,885,142
RLI Corp.	27,350	2,245,435
Selective Insurance Group, Inc. (A)	40,844	2,154,113
The Hanover Insurance Group, Inc.	25,993	2,633,871
		49,152,514
Thriffs and mortgage finance – 0.7%		
Essent Group, Ltd.	75,674	2,744,696
New York Community Bancorp, Inc.	317,362	3,237,092
Washington Federal, Inc. (A)	51,788	1,389,990
		7,371,778
		161,271,679
Health care – 10.9%		
Biotechnology – 1.2%		
Arrowhead Pharmaceuticals, Inc. (A)(B)	69,620	3,006,888
Exelixis, Inc. (A)(B)	209,776	4,980,082
Ligand Pharmaceuticals, Inc. (A)(B)	10,979	1,228,001
United Therapeutics Corp. (B)	30,107	3,642,947
		12,857,918
Health care equipment and supplies – 3.5%		
Avanos Medical, Inc. (A)(B)	32,669	960,142
Cantel Medical Corp.	25,376	1,122,380
Globus Medical, Inc., Class A (B)	51,759	2,469,422
Haemonetics Corp. (B)	34,468	3,086,954
Hill-Rom Holdings, Inc.	45,529	4,998,174
ICU Medical, Inc. (A)(B)	13,253	2,442,660
Integra LifeSciences Holdings Corp. (A)(B)	48,172	2,263,602
LivaNova PLC (B)	33,236	1,599,649
Masimo Corp. (B)	34,057	7,764,655
NuVasive, Inc. (A)(B)	35,057	1,951,273
Penumbra, Inc. (B)	22,617	4,044,372
Quidel Corp. (B)	26,144	5,849,459
		38,552,742
Health care providers and services – 2.9%		
Acadia Healthcare Company, Inc. (A)(B)	60,843	1,528,376
Amedisys, Inc. (B)	22,150	4,397,661
Chemed Corp.	10,859	4,898,169
Encompass Health Corp.	68,000	4,211,240
HealthEquity, Inc. (B)	48,842	2,865,560
LHC Group, Inc. (B)	20,313	3,540,962
MEDNAX, Inc. (A)(B)	58,425	999,068
Molina Healthcare, Inc. (B)	40,497	7,207,656
Patterson Companies, Inc.	58,984	1,297,648
Tenet Healthcare Corp. (B)	71,632	1,297,256
		32,243,596
Life sciences tools and services – 2.2%		
Bio-Techne Corp. (A)	26,147	6,904,638
Charles River Laboratories International, Inc. (B)	33,853	5,902,271
PRA Health Sciences, Inc. (B)	43,525	4,234,547
Repligen Corp. (B)	32,203	3,980,613
Syneos Health, Inc. (B)	42,755	2,490,479
		23,512,548

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals – 1.1%		
Catalent, Inc. (A)(B)	105,961	\$ 7,766,941
Nektar Therapeutics (A)(B)	121,758	2,819,915
Prestige Consumer Healthcare, Inc. (B)	34,261	1,286,843
		11,873,699
		119,040,503
Industrials – 15.6%		
Aerospace and defense – 1.1%		
Axon Enterprise, Inc. (A)(B)	40,925	4,015,970
Curtiss-Wright Corp.	28,492	2,543,766
Hexcel Corp. (A)	57,114	2,582,695
Mercury Systems, Inc. (B)	38,034	2,991,754
		12,134,185
Air freight and logistics – 0.4%		
XPO Logistics, Inc. (A)(B)	62,336	4,815,456
Airlines – 0.2%		
JetBlue Airways Corp. (A)(B)	184,497	2,011,017
Building products – 1.4%		
Lennox International, Inc. (A)	23,809	5,547,259
Owens Corning	73,771	4,113,471
Trex Company, Inc. (A)(B)	39,575	5,147,520
		14,808,250
Commercial services and supplies – 1.6%		
Clean Harbors, Inc. (B)	34,978	2,097,980
Deluxe Corp.	28,616	673,621
Healthcare Services Group, Inc. (A)	50,906	1,245,161
Herman Miller, Inc.	40,203	949,193
HNI Corp. (A)	29,174	891,849
KAR Auction Services, Inc.	88,392	1,216,274
MSA Safety, Inc. (A)	24,450	2,798,058
Stericycle, Inc. (B)	62,535	3,500,709
Tetra Tech, Inc.	36,957	2,924,038
The Brink's Company (A)	34,536	1,571,733
		17,868,616
Construction and engineering – 1.1%		
AECOM (B)	109,510	4,115,386
Dycom Industries, Inc. (B)	21,641	884,900
EMCOR Group, Inc.	37,519	2,481,507
Fluor Corp. (A)	95,889	1,158,339
MasTec, Inc. (A)(B)	39,857	1,788,384
Valmont Industries, Inc.	14,610	1,659,988
		12,088,504
Electrical equipment – 1.7%		
Acuity Brands, Inc.	27,117	2,596,182
EnerSys (A)	29,040	1,869,595
Generac Holdings, Inc. (B)	42,877	5,227,993
Hubbell, Inc.	37,077	4,647,973
nVent Electric PLC	106,894	2,002,125
Regal Beloit Corp.	27,718	2,420,336
		18,764,204
Industrial conglomerates – 0.4%		
Carlisle Companies, Inc. (A)	37,564	4,495,284
Machinery – 4.5%		
AGCO Corp.	42,508	2,357,494
Colfax Corp. (A)(B)	57,470	1,603,413
Crane Company	33,712	2,004,516
Donaldson Company, Inc.	86,281	4,013,792
Graco, Inc.	113,965	5,469,180
ITT, Inc. (A)	59,035	3,467,716
Kennametal, Inc. (A)	56,719	1,628,402
Lincoln Electric Holdings, Inc.	40,625	3,422,250
Nordson Corp.	35,117	6,662,046
Oshkosh Corp.	46,565	3,334,985

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Terex Corp. (A)	43,612	\$ 818,597
The Middleby Corp. (A)(B)	38,021	3,001,378
The Timken Company	46,215	2,102,320
The Toro Company	73,315	4,863,717
Trinity Industries, Inc. (A)	64,485	1,372,886
Woodward, Inc. (A)	38,776	3,007,079
		49,129,771
Marine – 0.2%		
Kirby Corp. (B)	41,070	2,199,709
Professional services – 1.2%		
ASGN, Inc. (A)(B)	35,914	2,394,746
CoreLogic, Inc. (A)	54,323	3,651,592
FTI Consulting, Inc. (B)	25,378	2,907,050
Insperty, Inc.	24,928	1,613,589
ManpowerGroup, Inc.	39,710	2,730,063
		13,297,040
Road and rail – 0.9%		
Avis Budget Group, Inc. (B)	36,637	838,621
Knight-Swift Transportation Holdings, Inc. (A)	83,643	3,488,750
Landstar System, Inc.	26,248	2,947,913
Ryder System, Inc.	36,759	1,378,830
Werner Enterprises, Inc.	39,231	1,707,725
		10,361,839
Trading companies and distributors – 0.9%		
GATX Corp. (A)	23,874	1,455,837
MSC Industrial Direct Company, Inc., Class A	31,075	2,262,571
Univar Solutions, Inc. (B)	94,742	1,597,350
Watsco, Inc. (A)	22,409	3,982,079
		9,297,837
		171,271,712
Information technology – 15.9%		
Communications equipment – 1.3%		
Ciena Corp. (B)	105,101	5,692,270
InterDigital, Inc.	21,036	1,191,269
Lumentum Holdings, Inc. (B)	51,237	4,172,229
NetScout Systems, Inc. (B)	43,475	1,111,221
ViaSat, Inc. (A)(B)	39,962	1,533,342
		13,700,331
Electronic equipment, instruments and components – 3.6%		
Arrow Electronics, Inc. (B)	53,814	3,696,484
Avnet, Inc.	67,559	1,883,883
Belden, Inc.	26,174	851,964
Cognex Corp. (A)	117,447	7,013,935
Coherent, Inc. (B)	16,591	2,173,089
II-VI, Inc. (B)	59,926	2,829,706
Jabil, Inc.	93,822	3,009,810
Littelfuse, Inc. (A)	16,607	2,833,652
National Instruments Corp.	80,403	3,112,400
SYNNEX Corp.	28,170	3,373,921
Trimble, Inc. (B)	170,855	7,379,227
Vishay Intertechnology, Inc.	90,671	1,384,546
		39,542,617
IT services – 2.1%		
Alliance Data Systems Corp.	28,997	1,308,345
CACI International, Inc., Class A (B)	17,161	3,721,878
KBR, Inc.	97,341	2,195,040
LiveRamp Holdings, Inc. (B)	44,700	1,898,409
MAXIMUS, Inc.	41,942	2,954,814
Perspecta, Inc.	93,373	2,169,055
Sabre Corp.	188,476	1,519,117

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Science Applications International Corp. (A)	33,794	\$ 2,625,118
WEX, Inc. (A)(B)	29,765	4,911,523
		23,303,299
Semiconductors and semiconductor equipment – 4.7%		
Cabot Microelectronics Corp.	19,881	2,774,195
Cirrus Logic, Inc. (B)	39,933	2,467,061
Cree, Inc. (A)(B)	73,989	4,379,409
Enphase Energy, Inc. (A)(B)	55,675	2,648,460
First Solar, Inc. (A)(B)	52,162	2,582,019
MKS Instruments, Inc.	37,536	4,250,577
Monolithic Power Systems, Inc. (A)	28,463	6,745,731
Semtech Corp. (B)	44,568	2,327,341
Silicon Laboratories, Inc. (B)	29,885	2,996,569
SolarEdge Technologies, Inc. (A)(B)	33,951	4,711,720
Synaptics, Inc. (A)(B)	23,283	1,399,774
Teradyne, Inc. (A)	113,397	9,583,180
Universal Display Corp.	29,001	4,339,130
		51,205,166
Software – 4.1%		
ACI Worldwide, Inc. (B)	79,314	2,140,685
Blackbaud, Inc. (A)	33,944	1,937,524
CDK Global, Inc.	83,133	3,443,369
Ceridian HCM Holding, Inc. (A)(B)	69,444	5,504,826
CommVault Systems, Inc. (B)	29,057	1,124,506
Fair Isaac Corp. (B)	19,840	8,293,914
j2 Global, Inc. (B)	31,008	1,960,016
LogMeIn, Inc.	33,363	2,828,182
Manhattan Associates, Inc. (B)	43,436	4,091,671
Paylocity Holding Corp. (A)(B)	24,606	3,589,769
PTC, Inc. (B)	71,229	5,540,904
Qualys, Inc. (A)(B)	22,920	2,384,138
Teradata Corp. (A)(B)	74,221	1,543,797
		44,383,301
Technology hardware, storage and peripherals – 0.1%		
NCR Corp. (A)(B)	87,424	1,514,184
		173,648,898
Materials – 5.8%		
Chemicals – 2.5%		
Ashland Global Holdings, Inc.	41,356	2,857,700
Cabot Corp.	38,617	1,430,760
Ingevity Corp. (B)	28,190	1,481,948
Minerals Technologies, Inc.	23,335	1,095,112
NewMarket Corp. (A)	4,939	1,977,971
Olin Corp. (A)	107,981	1,240,702
PolyOne Corp.	62,522	1,639,952
RPM International, Inc.	88,581	6,648,890
Sensient Technologies Corp.	28,976	1,511,388
The Chemours Company (A)	112,337	1,724,373
The Scotts Miracle-Gro Company	26,957	3,624,908
Valvoline, Inc.	126,573	2,446,656
		27,680,360
Construction materials – 0.2%		
Eagle Materials, Inc.	28,469	1,999,093
Containers and packaging – 1.1%		
AptarGroup, Inc.	43,908	4,916,818
Greif, Inc., Class A (A)	18,088	622,408
O-I Glass, Inc.	107,105	961,803
Silgan Holdings, Inc.	53,090	1,719,585
Sonoco Products Company	68,632	3,588,767
		11,809,381

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining – 1.8%		
Allegheny Technologies, Inc. (B)	86,623	\$ 882,688
Carpenter Technology Corp.	32,702	794,005
Commercial Metals Company	81,446	1,661,498
Compass Minerals International, Inc. (A)	23,193	1,130,659
Reliance Steel & Aluminum Company	43,535	4,132,778
Royal Gold, Inc.	44,862	5,577,244
Steel Dynamics, Inc.	143,882	3,753,881
United States Steel Corp. (A)	116,460	840,841
Worthington Industries, Inc. (A)	25,079	935,447
		19,709,041
Paper and forest products – 0.2%		
Domtar Corp.	37,754	796,987
Louisiana-Pacific Corp.	76,757	1,968,817
		2,765,804
		63,963,679
Real estate – 9.7%		
Equity real estate investment trusts – 9.4%		
American Campus Communities, Inc.	94,131	3,290,820
Brixmor Property Group, Inc.	202,791	2,599,781
Camden Property Trust	66,616	6,076,712
CoreCivic, Inc.	81,833	765,957
CoreSite Realty Corp.	27,573	3,337,987
Corporate Office Properties Trust	76,731	1,944,364
Cousins Properties, Inc.	101,612	3,031,086
CyrusOne, Inc.	78,805	5,733,064
Douglas Emmett, Inc.	112,771	3,457,559
EastGroup Properties, Inc.	26,716	3,168,785
EPR Properties	53,001	1,755,923
First Industrial Realty Trust, Inc.	87,019	3,345,010
Healthcare Realty Trust, Inc.	92,303	2,703,555
Highwoods Properties, Inc.	71,065	2,652,856
Hudson Pacific Properties, Inc.	104,865	2,638,403
JBG SMITH Properties	80,425	2,378,167
Kilroy Realty Corp.	72,421	4,251,113
Lamar Advertising Company, Class A	59,062	3,942,979
Life Storage, Inc.	32,090	3,046,946
Mack-Cali Realty Corp.	61,973	947,567
Medical Properties Trust, Inc.	361,416	6,794,621
National Retail Properties, Inc.	117,635	4,173,690
Omega Healthcare Investors, Inc.	155,217	4,614,601
Park Hotels & Resorts, Inc.	161,162	1,593,892
Pebblebrook Hotel Trust	89,446	1,221,832
Physicians Realty Trust	138,564	2,427,641
PotlatchDeltic Corp.	45,800	1,741,774
PS Business Parks, Inc.	13,722	1,816,793
Rayonier, Inc.	94,721	2,348,134
Sabra Health Care REIT, Inc.	140,617	2,029,103
Service Properties Trust	112,573	798,143
Spirit Realty Capital, Inc.	70,418	2,454,771
STORE Capital Corp.	152,205	3,624,001
Taubman Centers, Inc.	42,143	1,591,320
The GEO Group, Inc.	83,018	982,103
The Macerich Company	79,535	713,429
Urban Edge Properties	75,731	898,927
Weingarten Realty Investors	82,374	1,559,340
		102,452,749
Real estate management and development – 0.3%		
Jones Lang LaSalle, Inc. (A)	35,319	3,654,104
		106,106,853

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Utilities – 4.1%		
Electric utilities – 1.3%		
ALLETE, Inc.	35,426	\$ 1,934,614
Hawaiian Electric Industries, Inc.	74,663	2,692,348
IDACORP, Inc.	34,514	3,015,488
OGE Energy Corp.	136,930	4,157,195
PNM Resources, Inc.	54,488	2,094,519
		13,894,164
Gas utilities – 1.5%		
National Fuel Gas Company	61,814	2,591,861
New Jersey Resources Corp.	65,501	2,138,608
ONE Gas, Inc.	36,164	2,786,436
Southwest Gas Holdings, Inc.	37,704	2,603,461
Spire, Inc.	35,048	2,303,004
UGI Corp.	142,469	4,530,514
		16,953,884
Multi-utilities – 0.7%		
Black Hills Corp.	42,925	2,432,131
MDU Resources Group, Inc.	137,171	3,042,453
NorthWestern Corp. (A)	34,542	1,883,230
		7,357,814
Water utilities – 0.6%		
Essential Utilities, Inc.	152,539	6,443,247
		44,649,109
TOTAL COMMON STOCKS (Cost \$1,058,145,035)		\$ 1,070,225,927
SHORT-TERM INVESTMENTS – 15.4%		
U.S. Government Agency – 1.4%		
Federal Home Loan Bank Discount Note 0.100%, 07/02/2020 *	\$ 15,000,000	14,999,950
Short-term funds – 13.3%		
John Hancock Collateral Trust, 0.2429% (C)(D)	14,537,057	145,534,836
Repurchase agreement – 0.7%		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$8,072,000 on 7-1-20, collateralized by \$7,657,200 U.S. Treasury Inflation Indexed Notes, 0.625% due 4-15-23 (valued at \$8,233,537)	\$ 8,072,000	8,072,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$168,609,308)		\$ 168,606,786
Total Investments (Mid Cap Index Trust) (Cost \$1,226,754,343) – 113.1%		\$ 1,238,832,713
Other assets and liabilities, net – (13.1%)		(143,493,464)
TOTAL NET ASSETS – 100.0%		\$ 1,095,339,249

Security Abbreviations and Legend

- (A) All or a portion of this security is on loan as of 6-30-20.
 - (B) Non-income producing security.
 - (C) The rate shown is the annualized seven-day yield as of 6-30-20.
 - (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.
- * Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Cap Index Trust (continued)

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P Mid 400 Index E-Mini Futures	164	Long	Sep 2020	\$28,559,531	\$29,177,240	\$617,709
						\$617,709

[^] 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 Cap Stock Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 90.9%		
Communication services – 7.5%		
Entertainment – 4.2%		
Live Nation Entertainment, Inc. (A)(B)	34,300	\$ 1,520,519
Roku, Inc. (A)(B)	66,881	7,793,643
Spotify Technology SA (A)	94,197	24,320,725
		<u>33,634,887</u>
Interactive media and services – 3.3%		
IAC (A)	74,235	7,715,244
Match Group, Inc. (A)(B)	58,207	6,231,059
Snap, Inc., Class A (A)	512,053	12,028,125
		<u>25,974,428</u>
		59,609,315
Consumer discretionary – 17.8%		
Automobiles – 0.9%		
Thor Industries, Inc. (B)	64,326	6,852,649
Diversified consumer services – 2.0%		
Chegg, Inc. (A)	236,518	15,908,201
Hotels, restaurants and leisure – 5.2%		
Aramark	508,523	11,477,364
DraftKings, Inc. (A)(C)	327,200	10,371,984
Planet Fitness, Inc., Class A (A)	164,118	9,940,627
Vail Resorts, Inc.	50,925	9,275,989
		<u>41,065,964</u>
Household durables – 1.2%		
Lennar Corp., A Shares	157,306	9,693,196
Leisure products – 2.8%		
Peloton Interactive, Inc., Class A (A)	244,527	14,126,325
Polaris, Inc.	81,358	7,529,683
		<u>21,656,008</u>
Specialty retail – 5.7%		
Burlington Stores, Inc. (A)	103,125	20,308,406
Five Below, Inc. (A)	126,418	13,515,348
Floor & Decor Holdings, Inc., Class A (A)	184,622	10,643,458
JAND, Inc., Class A (A)(C)(D)	28,798	654,867
		<u>45,122,079</u>
		140,298,097
Consumer staples – 4.0%		
Beverages – 4.0%		
Monster Beverage Corp. (A)	272,623	18,898,226
The Boston Beer Company, Inc., Class A (A)	24,138	12,953,658
		<u>31,851,884</u>
Financials – 1.0%		
Capital markets – 1.0%		
The Blackstone Group, Inc., Class A	145,651	8,252,586
Health care – 25.1%		

Mid Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology – 6.5%		
Apellis Pharmaceuticals, Inc. (A)	91,721	\$ 2,995,608
Argenx SE, ADR (A)	24,788	5,583,001
Ascendis Pharma A/S, ADR (A)	23,536	3,480,974
Exact Sciences Corp. (A)	225,135	19,573,237
Galapagos NV (A)	45,268	8,934,889
Galapagos NV, ADR (A)(B)	4,557	899,051
Kodiak Sciences, Inc. (A)(B)	30,889	1,671,713
Seattle Genetics, Inc. (A)	45,565	7,742,405
		<u>50,880,878</u>
Health care equipment and supplies – 13.5%		
ABIOMED, Inc. (A)	71,846	17,355,121
Align Technology, Inc. (A)	46,738	12,826,777
DexCom, Inc. (A)	60,182	24,397,783
Insulet Corp. (A)(B)	110,709	21,506,330
Novocure, Ltd. (A)(B)	113,270	6,716,911
Tandem Diabetes Care, Inc. (A)(B)	241,738	23,912,723
		<u>106,715,645</u>
Health care technology – 2.9%		
Livongo Health, Inc. (A)(B)	157,033	11,807,311
Veeva Systems, Inc., Class A (A)	47,506	11,136,357
		<u>22,943,668</u>
Life sciences tools and services – 1.0%		
Agilent Technologies, Inc. (B)	89,295	7,890,999
Pharmaceuticals – 1.2%		
Elanco Animal Health, Inc. (A)	310,671	6,663,893
Reata Pharmaceuticals, Inc., Class A (A)(B)	18,483	2,883,718
		<u>9,547,611</u>
		197,978,801
Industrials – 7.1%		
Building products – 1.8%		
Trane Technologies PLC	161,516	14,371,694
Commercial services and supplies – 1.4%		
Copart, Inc. (A)	129,353	10,771,224
Machinery – 0.8%		
Fortive Corp.	93,628	6,334,870
Professional services – 3.1%		
CoStar Group, Inc. (A)	34,472	24,498,216
		<u>55,976,004</u>
Information technology – 28.4%		
IT services – 7.6%		
GoDaddy, Inc., Class A (A)	189,456	13,892,808
Leidos Holdings, Inc.	98,635	9,239,140
Square, Inc., Class A (A)	352,742	37,016,745
		<u>60,148,693</u>
Semiconductors and semiconductor equipment – 3.9%		
Advanced Micro Devices, Inc. (A)	332,294	17,481,987

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Marvell Technology Group, Ltd.	383,026	\$ 13,428,892
		30,910,879
Software – 16.9%		
2U, Inc. (A)(B)	224,154	8,508,886
Alteryx, Inc., Class A (A)(B)	59,419	9,761,353
Fair Isaac Corp. (A)	30,130	12,595,545
Guidewire Software, Inc. (A)(B)	206,254	22,863,256
Paycom Software, Inc. (A)	4,632	1,434,669
RingCentral, Inc., Class A (A)	22,993	6,553,235
Slack Technologies, Inc., Class A (A)(B)	200,651	6,238,240
Splunk, Inc. (A)(B)	183,781	36,517,285
The Trade Desk, Inc., Class A (A)(B)	13,729	5,580,839
Workday, Inc., Class A (A)	123,800	23,195,168
		133,248,476
		224,308,048
TOTAL COMMON STOCKS (Cost \$528,691,282)		\$ 718,274,735
PREFERRED SECURITIES – 2.7%		
Consumer discretionary – 1.3%		
Diversified consumer services – 0.3%		
The Honest Company, Inc., Series C (A)(C)(D)	75,561	2,528,271
Internet and direct marketing retail – 0.8%		
Coupage LLC (A)(C)(D)	707,162	6,265,455
One Kings Lane, Inc. (A)(D)	302,694	48,431
		6,313,886
Specialty retail – 0.2%		
JAND, Inc., Series D (A)(C)(D)	64,307	1,462,341
		10,304,498
Information technology – 1.3%		
Software – 1.3%		
Essence Group Holdings Corp. (A)(C)(D)	1,663,188	5,754,630
Lookout, Inc., Series F (A)(C)(D)	211,003	1,436,930
MarkLogic Corp., Series F (A)(C)(D)	253,035	2,828,931
		10,020,491
Real estate – 0.1%		
Real estate management and development – 0.1%		
The We Company, Inc., Series D1 (A)(C)(D)	92,333	647,254
The We Company, Inc., Series D2 (A)(C)(D)	81,039	568,083
		1,215,337
TOTAL PREFERRED SECURITIES (Cost \$16,887,039)		\$ 21,540,326
EXCHANGE-TRADED FUNDS – 4.7%		
iShares Russell Mid-Cap Growth ETF (B)	235,036	37,163,892
TOTAL EXCHANGE-TRADED FUNDS (Cost \$33,816,078)		\$ 37,163,892
WARRANTS – 0.0%		
DraftKings, Inc. (Expiration Date: 4-25-23) (A)(C)(E)	2,294	31,882
TOTAL WARRANTS (Cost \$5,898)		\$ 31,882
SHORT-TERM INVESTMENTS – 12.2%		
Short-term funds – 9.2%		
John Hancock Collateral Trust, 0.2429% (F)(G)	7,223,788	72,319,513

Mid Cap Stock Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 3.0%		
Deutsche Bank Tri-Party Repurchase Agreement dated 6-30-20 at 0.090% to be repurchased at \$23,800,060 on 7-1-20, collateralized by \$24,276,700 U.S. Treasury Bills, 0.000% due 7-7-20 (valued at \$24,276,069)	\$ 23,800,000	\$ 23,800,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$96,122,374)		\$ 96,119,513
Total Investments (Mid Cap Stock Trust) (Cost \$675,522,671) – 110.5%		\$ 873,130,348
Other assets and liabilities, net – (10.5%)		(82,656,030)
TOTAL NET ASSETS – 100.0%		\$ 790,474,318

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	Restricted security as to resale, excluding 144A securities. 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)	Strike price and/or expiration date not available.
(F)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

Mid Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.1%		
Communication services – 5.2%		
Media – 4.8%		
AMC Networks, Inc., Class A (A)(B)	49,960	\$ 1,168,564
DISH Network Corp., Class A (A)	84,306	2,909,400
Fox Corp., Class A	57,865	1,551,939
News Corp., Class A	932,632	11,061,016
Scholastic Corp.	72,120	2,159,273
ViacomCBS, Inc., Class B (B)	279,654	6,521,531
		25,371,723
Wireless telecommunication services – 0.4%		
Telephone & Data Systems, Inc.	97,666	1,941,600
		27,313,323
Consumer discretionary – 2.9%		
Diversified consumer services – 1.3%		
Strategic Education, Inc.	44,345	6,813,609
Hotels, restaurants and leisure – 0.4%		
Compass Group PLC	137,434	1,890,880
Multiline retail – 0.3%		
Nordstrom, Inc. (B)	114,578	1,774,813
Specialty retail – 0.2%		
Tiffany & Company	8,065	983,446
Textiles, apparel and luxury goods – 0.7%		
Ralph Lauren Corp.	48,834	3,541,442
		15,004,190
Consumer staples – 9.0%		
Beverages – 0.9%		
Carlsberg A/S, Class B	30,527	4,048,129

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages (continued)		
Molson Coors Beverage Company, Class B	16,980	\$ 583,433
		4,631,562
Food and staples retailing – 1.8%		
Sysco Corp.	136,754	7,474,974
The Kroger Company	55,220	1,869,197
		9,344,171
Food products – 6.3%		
Archer-Daniels-Midland Company	45,860	1,829,814
Bunge, Ltd.	336,239	13,829,510
Campbell Soup Company	33,061	1,640,817
Flowers Foods, Inc.	520,515	11,638,715
The Kraft Heinz Company	128,754	4,105,965
		33,044,821
		47,020,554
Energy – 11.8%		
Energy equipment and services – 1.5%		
Frank's International NV (A)(B)	746,837	1,665,447
Schlumberger, Ltd.	174,308	3,205,524
SEACOR Holdings, Inc. (A)	46,782	1,324,866
SEACOR Marine Holdings, Inc. (A)	98,958	252,343
Tidewater, Inc. (A)	218,777	1,222,963
		7,671,143
Oil, gas and consumable fuels – 10.3%		
Apache Corp.	53,009	715,622
Cameco Corp. (B)	610,267	6,255,237
Canadian Natural Resources, Ltd. (B)	344,081	5,997,332
EQT Corp.	920,491	10,953,843
Equinor ASA	15,962	229,943
Equinor ASA (Frankfurt Stock Exchange)	124,931	1,789,763
Equitrans Midstream Corp. (B)	424,815	3,530,213
Hess Corp.	115,221	5,969,600
Imperial Oil, Ltd.	684,435	10,985,182
NAC Kazatomprom JSC, GDR	156,038	2,165,637
NAC Kazatomprom JSC, GDR (London Stock Exchange)	961	13,338
Ovintiv, Inc. (B)	485,265	4,634,281
Peabody Energy Corp.	290,755	837,374
		54,077,365
		61,748,508
Financials – 16.9%		
Banks – 2.7%		
Fifth Third Bancorp	387,330	7,467,722
Popular, Inc.	21,989	817,331
Westamerica Bancorporation	99,864	5,734,191
		14,019,244
Capital markets – 5.7%		
Lazard, Ltd., Class A	251,257	7,193,488
Northern Trust Corp.	101,614	8,062,055
State Street Corp.	189,729	12,057,278
TD Ameritrade Holding Corp.	53,569	1,948,840
The Bank of New York Mellon Corp.	13,270	512,886
		29,774,547
Consumer finance – 0.6%		
Ally Financial, Inc.	139,097	2,758,294
Synchrony Financial	23,376	518,012
		3,276,306
Diversified financial services – 1.2%		
Groupe Bruxelles Lambert SA	72,381	6,062,629
Insurance – 6.1%		
Brighthouse Financial, Inc. (A)	125,381	3,488,099
Brown & Brown, Inc. (B)	162,605	6,627,780

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
CNA Financial Corp.	170,104	\$ 5,468,844
Kemper Corp.	63,754	4,623,440
Loews Corp.	225,664	7,738,019
Marsh & McLennan Companies, Inc.	37,719	4,049,889
		31,996,071
Thriffs and mortgage finance – 0.6%		
Capitol Federal Financial, Inc.	311,783	3,432,731
		88,561,528
Health care – 17.1%		
Biotechnology – 1.5%		
Alkermes PLC (A)	219,747	4,264,191
Incyte Corp. (A)	31,509	3,275,991
Ionis Pharmaceuticals, Inc. (A)	3,500	206,360
		7,746,542
Health care equipment and supplies – 6.4%		
Alcon, Inc. (A)	20,567	1,181,764
Baxter International, Inc.	69,189	5,957,173
Dentsply Sirona, Inc.	180,107	7,935,514
Hologic, Inc. (A)	193,317	11,019,069
Zimmer Biomet Holdings, Inc.	64,568	7,706,836
		33,800,356
Health care providers and services – 6.5%		
Cardinal Health, Inc.	236,237	12,329,209
Covetrus, Inc. (A)(B)	232,494	4,159,318
Patterson Companies, Inc. (B)	441,973	9,723,406
Select Medical Holdings Corp. (A)	543,500	8,005,755
		34,217,688
Pharmaceuticals – 2.7%		
Jazz Pharmaceuticals PLC (A)	16,166	1,783,756
Perrigo Company PLC	195,952	10,830,267
Royalty Pharma PLC, Class A (A)	32,344	1,570,301
		14,184,324
		89,948,910
Industrials – 9.0%		
Aerospace and defense – 1.6%		
Textron, Inc.	262,501	8,638,908
Air freight and logistics – 2.0%		
C.H. Robinson Worldwide, Inc. (B)	90,283	7,137,774
Expeditors International of Washington, Inc.	43,785	3,329,411
		10,467,185
Airlines – 0.9%		
Southwest Airlines Company	132,009	4,512,068
Commercial services and supplies – 0.6%		
Cintas Corp.	11,609	3,092,173
Machinery – 2.7%		
AGCO Corp.	54,190	3,005,377
CNH Industrial NV (A)(B)	250,558	1,761,423
PACCAR, Inc.	80,110	5,996,234
Xylem, Inc.	50,080	3,253,197
		14,016,231
Road and rail – 1.2%		
J.B. Hunt Transport Services, Inc.	36,299	4,368,222
Kansas City Southern	4,334	647,023
Ryder System, Inc.	38,792	1,455,088
		6,470,333
		47,196,898
Information technology – 3.1%		
Electronic equipment, instruments and components – 1.1%		
National Instruments Corp.	148,861	5,762,409

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services – 0.5%		
Cognizant Technology Solutions Corp., Class A	48,559	\$ 2,759,122
Semiconductors and semiconductor equipment – 1.5%		
Applied Materials, Inc.	127,872	7,729,862
		16,251,393
Materials – 12.3%		
Chemicals – 2.3%		
Corteva, Inc.	220,228	5,899,908
PPG Industries, Inc.	19,981	2,119,185
Westlake Chemical Corp.	80,967	4,343,880
		12,362,973
Construction materials – 1.1%		
Summit Materials, Inc., Class A (A)	137,034	2,203,507
Vulcan Materials Company	29,617	3,431,129
		5,634,636
Metals and mining – 8.9%		
Barrick Gold Corp.	402,810	10,851,701
Cia de Minas Buenaventura SAA, ADR	447,559	4,090,689
Franco-Nevada Corp.	70,742	9,882,307
Freeport-McMoRan, Inc.	643,260	7,442,518
Fresnillo PLC	713,707	7,457,531
Gold Fields, Ltd., ADR	326,823	3,072,136
Newmont Corp.	45,787	2,826,889
Nucor Corp.	19,996	828,034
		46,451,805
		64,449,414
Real estate – 7.0%		
Equity real estate investment trusts – 6.6%		
Equity Commonwealth	113,567	3,656,857
Equity Residential	64,260	3,779,773
Federal Realty Investment Trust	11,494	979,404
Rayonier, Inc.	334,335	8,288,165
Regency Centers Corp.	90,602	4,157,726
Weyerhaeuser Company	623,704	14,008,391
		34,870,316
Real estate management and development – 0.4%		
The St. Joe Company (A)(B)	106,838	2,074,794
		36,945,110
Utilities – 4.8%		
Electric utilities – 3.5%		
FirstEnergy Corp.	247,653	9,603,983
PG&E Corp. (A)(B)	973,622	8,636,027
		18,240,010
Gas utilities – 0.4%		
National Fuel Gas Company	50,297	2,108,953
Multi-utilities – 0.9%		
CenterPoint Energy, Inc.	254,766	4,756,481
		25,105,444
TOTAL COMMON STOCKS (Cost \$528,470,472)		\$ 519,545,272
PREFERRED SECURITIES – 0.3%		
Consumer staples – 0.3%		
Food products – 0.3%		
Bunge, Ltd., 4.875%	15,222	1,400,272
TOTAL PREFERRED SECURITIES (Cost \$1,724,199)		\$ 1,400,272

Mid Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS - 0.2%		
Energy - 0.2%		
Weatherford International, Ltd. 11.000%, 12/01/2024 (C)	\$ 1,883,000	\$ 1,313,393
TOTAL CORPORATE BONDS (Cost \$1,326,925)		\$ 1,313,393
SHORT-TERM INVESTMENTS – 7.3%		
Short-term funds – 7.3%		
John Hancock Collateral Trust, 0.2429% (D)(E)	3,569,050	35,730,827
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (D)	1,405,811	1,405,811
T. Rowe Price Government Reserve Fund, 0.2119% (D)	1,022,760	1,022,760
TOTAL SHORT-TERM INVESTMENTS (Cost \$38,160,218)		\$ 38,159,398
Total Investments (Mid Value Trust) (Cost \$569,681,814) – 106.9%		\$ 560,418,335
Other assets and liabilities, net – (6.9%)		(36,272,013)
TOTAL NET ASSETS – 100.0%		\$ 524,146,322

Security Abbreviations and Legend

ADR	American Depositary Receipt
GDR	Global Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(D)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

Real Estate Securities Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 98.8%		
Consumer discretionary – 0.7%		
Hotels, restaurants and leisure – 0.7%		
Hotels, resorts and cruise lines – 0.7%		
Hyatt Hotels Corp., Class A (A)	41,387	\$ 2,081,352
Real estate – 98.1%		
Equity real estate investment trusts – 98.1%		
Diversified REITs – 2.0%		
Essential Properties Realty Trust, Inc.	379,367	5,629,806
Health care REITs – 11.2%		
Healthcare Trust of America, Inc., Class A	124,357	3,297,948
Medical Properties Trust, Inc.	188,341	3,540,811
Omega Healthcare Investors, Inc.	240,600	7,153,038
Sabra Health Care REIT, Inc.	230,653	3,328,323
Welltower, Inc.	295,428	15,288,398
		32,608,518
Hotel and resort REITs – 1.7%		
Apple Hospitality REIT, Inc.	373,646	3,609,420
Pebblebrook Hotel Trust	96,931	1,324,077
		4,933,497
Industrial REITs – 15.0%		
EastGroup Properties, Inc.	67,703	8,030,253
Prologis, Inc.	307,616	28,709,801

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Real Estate Securities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Rexford Industrial Realty, Inc.	163,839	\$ 6,787,850
		43,527,904
Office REITs – 9.0%		
Alexandria Real Estate Equities, Inc.	74,215	12,041,384
Cousins Properties, Inc.	235,518	7,025,502
Highwoods Properties, Inc.	186,613	6,966,263
		26,033,149
Residential REITs – 20.7%		
American Homes 4 Rent, Class A	180,230	4,848,187
Equity LifeStyle Properties, Inc.	137,722	8,604,871
Essex Property Trust, Inc.	36,531	8,371,809
Invitation Homes, Inc.	400,456	11,024,554
Mid-America Apartment Communities, Inc.	111,499	12,785,590
Sun Communities, Inc.	53,968	7,322,378
UDR, Inc.	191,220	7,147,805
		60,105,194
Retail REITs – 12.7%		
Agree Realty Corp.	110,271	7,245,907
Kimco Realty Corp.	602,401	7,734,829
Realty Income Corp.	117,331	6,981,195
Regency Centers Corp.	161,216	7,398,202
Simon Property Group, Inc.	109,454	7,484,465
		36,844,598
Specialized REITs – 25.8%		
American Tower Corp.	19,346	5,001,715
CyrusOne, Inc.	84,410	6,140,828
Digital Realty Trust, Inc.	58,724	8,345,268
Equinix, Inc.	37,445	26,297,624
Extra Space Storage, Inc.	77,247	7,135,305
Gaming and Leisure Properties, Inc.	311,027	10,761,534
Life Storage, Inc.	67,532	6,412,163
SBA Communications Corp.	15,884	4,732,161
		74,826,598
		284,509,264
TOTAL COMMON STOCKS (Cost \$282,989,423)		\$ 286,590,616
SHORT-TERM INVESTMENTS – 1.6%		
Short-term funds – 1.6%		
John Hancock Collateral Trust, 0.2429% (B)(C)	177,485	1,776,851
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (B)	2,940,126	2,940,126
TOTAL SHORT-TERM INVESTMENTS (Cost \$4,717,030)		\$ 4,716,977
Total Investments (Real Estate Securities Trust) (Cost \$287,706,453) – 100.4%		\$ 291,307,593
Other assets and liabilities, net – (0.4%)		(1,195,686)
TOTAL NET ASSETS – 100.0%		\$ 290,111,907

Security Abbreviations and Legend

- (A) All or a portion of this security is on loan as of 6-30-20.
 (B) The rate shown is the annualized seven-day yield as of 6-30-20.
 (C) Investment is an affiliate of the fund, the advisor and/or subadvisor.
 This security represents the investment of cash collateral received for securities lending.

Science & Technology Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 93.0%		
Communication services – 18.0%		
Entertainment – 1.5%		
Activision Blizzard, Inc.	44,565	\$ 3,382,484
NetEase, Inc., ADR	4,930	2,116,843
Netflix, Inc. (A)	7,535	3,428,726
Spotify Technology SA (A)	2,015	520,253
Zynga, Inc., Class A (A)	481,090	4,589,599
		14,037,905
Interactive media and services – 16.3%		
58.com, Inc., ADR (A)	334,537	18,044,926
Alphabet, Inc., Class C (A)	31,563	44,617,772
Baidu, Inc., ADR (A)	38,316	4,593,705
Facebook, Inc., Class A (A)	248,529	56,433,475
Mail.Ru Group, Ltd., GDR (A)	641,763	14,475,925
NAVER Corp.	28,877	6,496,840
Pinterest, Inc., Class A (A)	20,275	449,497
Snap, Inc., Class A (A)(B)	78,980	1,855,240
		146,967,380
Media – 0.2%		
News Corp., Class A	158,528	1,880,142
		162,885,427
Consumer discretionary – 17.4%		
Automobiles – 0.3%		
Tesla, Inc. (A)(B)	2,730	2,947,881
Internet and direct marketing retail – 17.1%		
Alibaba Group Holding, Ltd., ADR (A)	80,640	17,394,048
Amazon.com, Inc. (A)	16,339	45,076,360
Booking Holdings, Inc. (A)	15,788	25,139,864
Etsy, Inc. (A)	34,510	3,665,997
Expedia Group, Inc.	9,820	807,204
JD.com, Inc., ADR (A)	16,525	994,475
Naspers, Ltd., N Shares	43,876	8,063,544
Tongcheng-Elong Holdings, Ltd. (A)	1,770,400	3,214,896
Trip.com Group, Ltd., ADR (A)	850,875	22,054,680
Zalando SE (A)(C)	387,262	27,472,556
		153,883,624
		156,831,505
Health care – 1.2%		
Health care equipment and supplies – 0.8%		
Intuitive Surgical, Inc. (A)	12,400	7,065,892
Health care technology – 0.4%		
Veeva Systems, Inc., Class A (A)	18,005	4,220,732
		11,286,624
Industrials – 0.3%		
Aerospace and defense – 0.2%		
The Boeing Company	10,749	1,970,292
Electrical equipment – 0.1%		
Bloom Energy Corp., Class A (A)(B)	67,010	729,069
		2,699,361
Information technology – 56.0%		
Communications equipment – 0.1%		
Telefonaktiebolaget LM Ericsson, ADR (B)	50,655	471,092
Electronic equipment, instruments and components – 0.9%		
Amphenol Corp., Class A	15,155	1,452,001
Cognex Corp.	15,325	915,209
Flex, Ltd. (A)	124,325	1,274,331
IPG Photonics Corp. (A)	8,130	1,303,971
Samsung SDI Company, Ltd.	10,880	3,326,686
		8,272,198
IT services – 10.8%		
Adyen NV (A)(C)	990	1,442,427

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Akamai Technologies, Inc. (A)	4,285	\$ 458,881
DXC Technology Company	34,005	561,083
Fidelity National Information Services, Inc.	27,788	3,726,093
Fiserv, Inc. (A)	37,897	3,699,505
Global Payments, Inc.	24,066	4,082,075
Mastercard, Inc., Class A	26,095	7,716,292
MongoDB, Inc. (A)(B)	50,505	11,431,302
Okta, Inc. (A)	86,695	17,358,940
PayPal Holdings, Inc. (A)	70,795	12,334,613
Shopify, Inc., Class A (A)	3,970	3,768,324
Square, Inc., Class A (A)	52,040	5,461,078
Twilio, Inc., Class A (A)(B)	83,915	18,412,629
Visa, Inc., Class A	10,190	1,968,402
Wix.com, Ltd. (A)	19,287	4,941,715
		97,363,359
Semiconductors and semiconductor equipment – 14.1%		
Advanced Micro Devices, Inc. (A)	111,010	5,840,236
Analog Devices, Inc.	15,390	1,887,430
Applied Materials, Inc.	185,617	11,220,548
ASML Holding NV, NYRS	8,180	3,010,485
Cree, Inc. (A)	25,880	1,531,837
Intel Corp.	19,970	1,194,805
KLA Corp.	3,525	685,542
Lam Research Corp.	33,055	10,691,970
Marvell Technology Group, Ltd.	41,780	1,464,807
Maxim Integrated Products, Inc.	154,117	9,341,031
Microchip Technology, Inc. (B)	27,410	2,886,547
Micron Technology, Inc. (A)	447,427	23,051,439
NVIDIA Corp.	52,577	19,974,528
NXP Semiconductors NV	20,330	2,318,433
Qorvo, Inc. (A)	16,400	1,812,692
QUALCOMM, Inc.	177,351	16,176,185
Skyworks Solutions, Inc.	46,780	5,981,291
STMicroelectronics NV, NYRS (B)	109,140	2,991,527
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	26,315	1,493,903
Teradyne, Inc. (B)	21,000	1,774,710
Tokyo Electron, Ltd.	7,800	1,924,602
		127,254,548
Software – 22.6%		
Alteryx, Inc., Class A (A)(B)	42,065	6,910,438
Atlassian Corp. PLC, Class A (A)	80,275	14,471,174
Autodesk, Inc. (A)	4,015	960,348
Avalara, Inc. (A)	3,745	498,422
Citrix Systems, Inc.	57,877	8,560,587
Coupa Software, Inc. (A)	3,095	857,439
CrowdStrike Holdings, Inc., Class A (A)	117,390	11,773,043
Datadog, Inc., Class A (A)	22,170	1,927,682
DocuSign, Inc. (A)	23,785	4,096,015
Elastic NV (A)	10,750	991,258
Fortinet, Inc. (A)	6,245	857,251
HubSpot, Inc. (A)	31,300	7,022,155
Intuit, Inc.	13,435	3,979,313
Microsoft Corp.	247,478	50,364,248
Palo Alto Networks, Inc. (A)	5,605	1,287,300
Paycom Software, Inc. (A)	37,090	11,487,886
RingCentral, Inc., Class A (A)	54,270	15,467,493
salesforce.com, Inc. (A)	131,580	24,648,881
ServiceNow, Inc. (A)	2,315	937,714
Slack Technologies, Inc., Class A (A)(B)	104,230	3,240,511
Smartsheet, Inc., Class A (A)	8,950	455,734
Splunk, Inc. (A)	26,500	5,265,550
TeamViewer AG (A)(C)	79,586	4,336,548
Workday, Inc., Class A (A)	31,506	5,902,964
Zendesk, Inc. (A)	10,270	909,203

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Zoom Video Communications, Inc., Class A (A)(B)	26,665	\$ 6,760,644
Zscaler, Inc. (A)	91,657	10,036,442
		204,006,243
Technology hardware, storage and peripherals – 7.5%		
Apple, Inc.	71,165	25,960,992
Pure Storage, Inc., Class A (A)	1,094,466	18,967,096
Samsung Electronics Company, Ltd.	512,846	22,702,478
		67,630,566
		504,998,006
Real estate – 0.1%		
Equity real estate investment trusts – 0.1%		
Equinix, Inc.	650	456,495
TOTAL COMMON STOCKS (Cost \$653,645,740)		\$ 839,157,418
PREFERRED SECURITIES – 0.1%		
Communication services – 0.1%		
Media – 0.1%		
Airbnb, Inc., Series E (A)(D)(E)	8,624	600,317
Industrials – 0.0%		
Road and rail – 0.0%		
DiDi Chuxing, Inc. (A)(D)(E)	9,513	387,607
TOTAL PREFERRED SECURITIES (Cost \$1,063,751)		\$ 987,924
EXCHANGE-TRADED FUNDS – 0.4%		
Invesco QQQ Trust Series 1 (B)	5,145	1,273,902
iShares Expanded Tech Sector ETF	4,505	1,257,526
Technology Select Sector SPDR Fund (B)	12,120	1,266,419
TOTAL EXCHANGE-TRADED FUNDS (Cost \$3,386,714)		\$ 3,797,847
TERM LOANS (F) – 0.1%		
Communication services – 0.1%		
Airbnb, Inc., Term Loan (3 month LIBOR + 7.500%)		
8.500%, 04/17/2025	\$ 915,000	947,025
TOTAL TERM LOANS (Cost \$892,481)		\$ 947,025
SHORT-TERM INVESTMENTS – 11.6%		
Short-term funds – 9.6%		
John Hancock Collateral Trust, 0.2429% (G)(H)	3,564,321	35,683,490
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (G)	500,000	500,000
T. Rowe Price Government Reserve Fund, 0.2119% (G)	50,420,021	50,420,021
		86,603,511
Repurchase agreement – 2.0%		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$17,652,000 on 7-1-20, collateralized by \$17,963,200 U.S. Treasury Notes, 0.250% due 6-15-23 (valued at \$18,005,045)	\$ 17,652,000	17,652,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$104,255,726)		\$ 104,255,511
Total Investments (Science & Technology Trust) (Cost \$763,244,412) – 105.2%		\$ 949,145,725
Other assets and liabilities, net – (5.2%)		(46,589,585)
TOTAL NET ASSETS – 100.0%		\$ 902,556,140
Security Abbreviations and Legend		
ADR	American Depositary Receipt	
GDR	Global Depositary Receipt	

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Science & Technology Trust (continued)

LIBOR	London Interbank Offered Rate
NYRS	New York Registry Shares
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(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)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(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)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(G)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

Small Cap Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.4%		
Communication services – 2.4%		
Diversified telecommunication services – 0.9%		
Alaska Communications Systems Group, Inc.	15,790	\$ 44,054
Anterix, Inc. (A)	3,709	168,166
ATN International, Inc.	3,084	186,798
Bandwidth, Inc., Class A (A)	5,208	661,416
Cincinnati Bell, Inc. (A)	13,674	203,059
Cogent Communications Holdings, Inc.	11,454	886,081
Consolidated Communications Holdings, Inc. (A)	20,136	136,321
Iridium Communications, Inc. (A)	31,989	813,800
Liberty Latin America, Ltd., Class A (A)	15,096	146,733
Liberty Latin America, Ltd., Class C (A)	28,400	268,096
Ooma, Inc. (A)(B)	6,186	101,945
ORBCOMM, Inc. (A)	22,664	87,256
Vonage Holdings Corp. (A)	62,955	633,327
		4,337,052
Entertainment – 0.2%		
AMC Entertainment Holdings, Inc., Class A	15,139	64,946
Cinemark Holdings, Inc.	29,134	336,498
Eros International PLC (A)	20,612	65,134
Glu Mobile, Inc. (A)	35,368	327,861
IMAX Corp. (A)	13,793	154,620
Liberty Media Corp.-Liberty Braves, Class A (A)	3,934	78,995
Liberty Media Corp.-Liberty Braves, Class C (A)	9,011	177,877
The Marcus Corp.	6,669	88,498
		1,294,429
Interactive media and services – 0.4%		
CarGurus, Inc. (A)	23,521	596,257
Cars.com, Inc. (A)	18,806	108,323
Eventbrite, Inc., Class A (A)	17,600	150,832
EverQuote, Inc., Class A (A)	3,824	222,404
Liberty TripAdvisor Holdings, Inc., Class A (A)	22,022	46,907
QuinStreet, Inc. (A)	13,144	137,486
The Meet Group, Inc. (A)	18,872	117,761
TrueCar, Inc. (A)	30,264	78,081

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services (continued)		
Yelp, Inc. (A)	19,078	\$ 441,274
		1,899,325
Media – 0.7%		
AMC Networks, Inc., Class A (A)	10,511	245,852
Boston Omaha Corp., Class A (A)	3,406	54,496
Cardlytics, Inc. (A)(B)	7,045	493,009
Central European Media Enterprises, Ltd., Class A (A)	24,293	85,997
comScore, Inc. (A)	17,610	54,591
Daily Journal Corp. (A)(B)	337	90,990
Entercom Communications Corp., Class A	34,609	47,760
Gannett Company, Inc. (B)	39,581	54,622
Gray Television, Inc. (A)	24,272	338,594
Hemisphere Media Group, Inc. (A)	5,616	55,205
iHeartMedia, Inc., Class A (A)	16,477	137,583
Loral Space & Communications, Inc.	3,729	72,790
Media General, Inc. (A)(C)	29,399	2,796
Meredith Corp.	10,983	159,803
MSG Networks, Inc., Class A (A)(B)	10,959	109,042
National CineMedia, Inc.	18,549	55,091
Saga Communications, Inc., Class A	1,376	35,226
Scholastic Corp.	8,136	243,592
Sinclair Broadcast Group, Inc., Class A	14,096	260,212
TechTarget, Inc. (A)	6,371	191,321
TEGNA, Inc.	59,151	658,942
The EW Scripps Company, Class A	15,555	136,106
Tribune Publishing Company	4,838	48,332
WideOpenWest, Inc. (A)	14,827	78,138
		3,710,090
Wireless telecommunication services – 0.2%		
Boingo Wireless, Inc. (A)	12,218	162,744
Gogo, Inc. (A)(B)	17,041	53,850
Shenandoah Telecommunications Company	13,065	643,974
Spok Holdings, Inc.	6,077	56,820
		917,388
		12,158,284
Consumer discretionary – 11.3%		
Auto components – 1.2%		
Adient PLC (A)	24,006	394,179
American Axle & Manufacturing Holdings, Inc. (A)	30,962	235,311
Cooper Tire & Rubber Company	13,657	377,070
Cooper-Standard Holdings, Inc. (A)	4,945	65,521
Dana, Inc.	39,264	478,628
Dorman Products, Inc. (A)	7,160	480,221
Fox Factory Holding Corp. (A)	10,484	866,083
Gentherm, Inc. (A)	8,780	341,542
LCI Industries	6,661	765,882
Modine Manufacturing Company (A)	14,280	78,826
Motorcar Parts of America, Inc. (A)	5,374	94,959
Standard Motor Products, Inc.	5,564	229,237
Stoneridge, Inc. (A)	7,134	147,388
Tenneco, Inc., Class A (A)(B)	14,459	109,310
The Goodyear Tire & Rubber Company	63,071	564,170
Visteon Corp. (A)	7,509	514,367
Workhorse Group, Inc. (A)	17,628	306,551
XPEL, Inc. (A)	4,708	73,633
		6,122,878
Automobiles – 0.1%		
Winnebago Industries, Inc.	8,440	562,273
Distributors – 0.1%		
Core-Mark Holding Company, Inc.	12,184	304,052
Funko, Inc., Class A (A)(B)	7,381	42,810

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Distributors (continued)		
Weyco Group, Inc.	1,913	\$ 41,302
		388,164
Diversified consumer services – 0.7%		
Adtalem Global Education, Inc. (A)	14,113	439,620
American Public Education, Inc. (A)	4,032	119,347
Aspen Group, Inc. (A)	5,942	53,775
Carriage Services, Inc.	4,686	84,910
Collectors Universe, Inc.	2,726	93,447
Franchise Group, Inc.	5,314	116,270
Houghton Mifflin Harcourt Company (A)	32,382	58,611
K12, Inc. (A)	10,834	295,118
Laureate Education, Inc., Class A (A)	29,355	292,523
OneSpaWorld Holdings, Ltd. (B)	13,174	62,840
Perdoceo Education Corp. (A)	18,866	300,535
Regis Corp. (A)(B)	6,792	55,559
Strategic Education, Inc.	5,960	915,754
Universal Technical Institute, Inc. (A)	8,597	59,749
Vivint Smart Home, Inc. (A)	19,120	331,350
WW International, Inc. (A)	12,861	326,412
		3,605,820
Hotels, restaurants and leisure – 2.6%		
Accel Entertainment, Inc. (A)	11,817	113,798
BBX Capital Corp.	19,256	48,910
BJ's Restaurants, Inc.	5,306	111,108
Bloomin' Brands, Inc. (B)	24,130	257,226
Boyd Gaming Corp.	22,027	460,364
Brinker International, Inc.	11,994	287,856
Carrolls Restaurant Group, Inc. (A)	10,620	51,401
Century Casinos, Inc. (A)	8,816	36,586
Churchill Downs, Inc.	10,287	1,369,714
Chuy's Holdings, Inc. (A)	4,905	72,986
Cracker Barrel Old Country Store, Inc.	6,522	723,355
Dave & Buster's Entertainment, Inc. (B)	12,878	171,664
Del Taco Restaurants, Inc. (A)	9,371	55,570
Denny's Corp. (A)	15,265	154,177
Dine Brands Global, Inc.	4,293	180,735
El Pollo Loco Holdings, Inc. (A)	5,142	75,896
Eldorado Resorts, Inc. (A)(B)	18,680	748,321
Everi Holdings, Inc. (A)	22,663	116,941
GAN, Ltd. (A)	2,097	53,369
Golden Entertainment, Inc. (A)	5,194	46,330
Hilton Grand Vacations, Inc. (A)	23,099	451,585
International Game Technology PLC	27,008	240,371
Jack in the Box, Inc.	6,185	458,247
Lindblad Expeditions Holdings, Inc. (A)	7,862	60,695
Marriott Vacations Worldwide Corp.	10,957	900,775
Monarch Casino & Resort, Inc. (A)	3,537	120,541
Nathan's Famous, Inc.	908	51,066
Noodles & Company (A)	9,259	56,017
Papa John's International, Inc.	8,795	698,411
Penn National Gaming, Inc. (A)(B)	36,425	1,112,420
RCI Hospitality Holdings, Inc.	2,713	37,602
Red Robin Gourmet Burgers, Inc. (A)	3,977	40,565
Red Rock Resorts, Inc., Class A	18,272	199,348
Ruth's Hospitality Group, Inc.	7,725	63,036
Scientific Games Corp. (A)	15,796	244,206
SeaWorld Entertainment, Inc. (A)	13,944	206,511
Shake Shack, Inc., Class A (A)(B)	9,565	506,754
Texas Roadhouse, Inc.	17,859	938,848
The Cheesecake Factory, Inc. (B)	11,688	267,889
Twin River Worldwide Holdings, Inc.	5,081	113,255
Wingstop, Inc.	8,043	1,117,736
		13,022,185

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables – 2.0%		
Beazer Homes USA, Inc. (A)	8,033	\$ 80,892
Cavco Industries, Inc. (A)	2,373	457,633
Century Communities, Inc. (A)	7,924	242,950
Ethan Allen Interiors, Inc.	7,033	83,200
GoPro, Inc., Class A (A)	35,621	169,556
Green Brick Partners, Inc. (A)	6,777	80,307
Hamilton Beach Brands Holding Company, Class B	1,197	14,244
Helen of Troy, Ltd. (A)	6,854	1,292,390
Hooker Furniture Corp.	3,605	70,117
Installed Building Products, Inc. (A)	6,247	429,669
iRobot Corp. (A)(B)	7,496	628,914
KB Home	23,888	732,884
La-Z-Boy, Inc.	12,179	329,564
LGI Homes, Inc. (A)	6,054	532,934
M/I Homes, Inc. (A)	7,571	260,745
MDC Holdings, Inc.	13,751	490,911
Meritage Homes Corp. (A)	10,082	767,442
Purple Innovation, Inc. (A)	4,010	72,180
Skyline Champion Corp. (A)	14,907	362,836
Sonos, Inc. (A)	21,630	316,447
Taylor Morrison Home Corp. (A)	34,157	658,889
The Lovesac Company (A)	2,562	67,201
TopBuild Corp. (A)	8,969	1,020,403
TRI Pointe Group, Inc. (A)	35,138	516,177
Tupperware Brands Corp.	13,988	66,443
Turtle Beach Corp. (A)	3,920	57,702
Universal Electronics, Inc. (A)	3,770	176,511
VOXX International Corp. (A)	6,295	36,385
		10,015,526
Internet and direct marketing retail – 0.6%		
1-800-Flowers.com, Inc., Class A (A)	6,798	136,096
Groupon, Inc. (A)(B)	6,360	115,243
Liquidity Services, Inc. (A)	8,654	51,578
Overstock.com, Inc. (A)	10,998	312,673
PetMed Express, Inc. (B)	5,314	189,391
Quotient Technology, Inc. (A)	23,717	173,608
Shutterstock, Inc.	5,227	182,788
Stamps.com, Inc. (A)	4,479	822,748
Stitch Fix, Inc., Class A (A)	15,309	381,806
The RealReal, Inc. (A)(B)	17,134	219,144
The Rubicon Project, Inc. (A)	28,193	188,047
US Auto Parts Network, Inc. (A)	6,244	54,073
Waitr Holdings, Inc. (A)	22,483	59,130
		2,886,325
Leisure products – 0.7%		
Acushnet Holdings Corp.	9,202	320,138
Callaway Golf Company	25,436	445,384
Clarus Corp.	7,217	83,573
Escalade, Inc.	3,276	45,733
Johnson Outdoors, Inc., Class A	1,451	132,070
Malibu Boats, Inc., Class A (A)	5,632	292,582
MasterCraft Boat Holdings, Inc. (A)	5,264	100,279
Nautilus, Inc. (A)	8,462	78,443
Smith & Wesson Brands, Inc. (A)	14,834	319,228
Sturm Ruger & Company, Inc.	4,505	342,380
Vista Outdoor, Inc. (A)	16,030	231,634
YETI Holdings, Inc. (A)	20,137	860,454
		3,251,898
Multiline retail – 0.2%		
Big Lots, Inc.	10,682	448,644
Dillard's, Inc., Class A (B)	2,193	56,557
Macy's, Inc.	85,073	585,302
		1,090,503

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail – 2.3%		
Aaron's, Inc.	18,336	\$ 832,454
Abercrombie & Fitch Company, Class A	17,149	182,465
American Eagle Outfitters, Inc.	41,188	448,949
America's Car-Mart, Inc. (A)	1,694	148,852
Asbury Automotive Group, Inc. (A)	5,245	405,596
At Home Group, Inc. (A)	13,432	87,174
Bed Bath & Beyond, Inc. (B)	34,807	368,954
Boot Barn Holdings, Inc. (A)(B)	7,916	170,669
Caleres, Inc.	10,959	91,398
Camping World Holdings, Inc., Class A (B)	8,982	243,951
Chico's FAS, Inc.	35,820	49,432
Citi Trends, Inc.	3,344	67,616
Conn's, Inc. (A)	5,015	50,601
Designer Brands, Inc., Class A	17,502	118,489
GameStop Corp., Class A (A)(B)	16,255	70,547
Genesco, Inc. (A)	4,074	88,243
Group 1 Automotive, Inc.	4,755	313,687
GrowGeneration Corp. (A)	8,422	57,606
Guess?, Inc.	12,281	118,757
Haverty Furniture Companies, Inc.	4,915	78,640
Hibbett Sports, Inc. (A)	4,643	97,224
Hudson, Ltd., Class A (A)	11,697	56,964
Lithia Motors, Inc., Class A	5,988	906,164
Lumber Liquidators Holdings, Inc. (A)	7,996	110,825
MarineMax, Inc. (A)	5,726	128,205
Monro, Inc.	8,993	494,075
Murphy USA, Inc. (A)	7,465	840,484
National Vision Holdings, Inc. (A)	21,918	668,937
Office Depot, Inc.	142,115	333,970
Rent-A-Center, Inc.	13,191	366,974
RH (A)	4,542	1,130,504
Sally Beauty Holdings, Inc. (A)	30,739	385,160
Shoe Carnival, Inc.	2,822	82,600
Signet Jewelers, Ltd. (B)	14,421	148,104
Sleep Number Corp. (A)	7,409	308,511
Sonic Automotive, Inc., Class A	6,522	208,117
Sportsman's Warehouse Holdings, Inc. (A)	11,772	167,751
The Buckle, Inc. (B)	8,179	128,247
The Cato Corp., Class A	6,673	54,585
The Children's Place, Inc. (B)	3,939	147,397
The Michaels Companies, Inc. (A)(B)	20,413	144,320
Urban Outfitters, Inc. (A)	18,922	287,993
Winmark Corp.	818	140,074
Zumiez, Inc. (A)	5,862	160,502
		11,491,767
Textiles, apparel and luxury goods – 0.8%		
Crocs, Inc. (A)	18,135	667,731
Deckers Outdoor Corp. (A)	7,575	1,487,654
Fossil Group, Inc. (A)(B)	13,530	62,915
G-III Apparel Group, Ltd. (A)	12,083	160,583
Kontoor Brands, Inc.	14,015	249,607
Lakeland Industries, Inc. (A)	2,146	48,135
Movado Group, Inc.	4,768	51,685
Oxford Industries, Inc.	4,456	196,109
Rocky Brands, Inc.	2,145	44,101
Steven Madden, Ltd.	22,319	551,056
Superior Group of Companies, Inc.	3,388	45,399
Unifi, Inc. (A)	4,005	51,584
Wolverine World Wide, Inc.	21,605	514,415
		4,130,974
		56,568,313
Consumer staples – 3.2%		

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages – 0.3%		
Celsius Holdings, Inc. (A)	9,592	\$ 112,898
Coca-Cola Consolidated, Inc.	1,281	293,592
Craft Brew Alliance, Inc. (A)	3,431	52,803
MGP Ingredients, Inc.	3,552	130,376
National Beverage Corp. (A)	3,202	195,386
New Age Beverages Corp. (A)	26,226	40,126
Primo Water Corp.	42,325	581,969
		1,407,150
Food and staples retailing – 0.9%		
BJ's Wholesale Club Holdings, Inc. (A)	37,171	1,385,346
HF Foods Group, Inc. (A)(B)	9,993	90,437
Ingles Markets, Inc., Class A	3,973	171,117
Natural Grocers by Vitamin Cottage, Inc.	2,913	43,345
Performance Food Group Company (A)	35,613	1,037,763
PriceSmart, Inc.	6,201	374,106
Rite Aid Corp. (A)(B)	14,954	255,115
SpartanNash Company	9,674	205,573
The Andersons, Inc.	8,688	119,547
The Chefs' Warehouse, Inc. (A)	6,944	94,300
United Natural Foods, Inc. (A)	14,572	265,356
Village Super Market, Inc., Class A	2,543	70,492
Weis Markets, Inc.	2,612	130,913
		4,243,410
Food products – 1.3%		
Alico, Inc.	1,684	52,473
B&G Foods, Inc. (B)	17,238	420,262
Calavo Growers, Inc.	4,515	284,039
Cal-Maine Foods, Inc. (A)	8,559	380,704
Darling Ingredients, Inc. (A)	43,616	1,073,826
Farmer Brothers Company (A)	5,157	37,852
Fresh Del Monte Produce, Inc.	8,470	208,531
Freshpet, Inc. (A)	10,525	880,522
Hostess Brands, Inc. (A)	33,212	405,851
J&J Snack Foods Corp.	4,062	516,402
John B. Sanfilippo & Son, Inc.	2,373	202,488
Lancaster Colony Corp.	5,110	791,999
Landec Corp. (A)	7,671	61,061
Limoneira Company	4,963	71,914
Sanderson Farms, Inc.	5,453	631,948
Seneca Foods Corp., Class A (A)	1,977	66,842
The Simply Good Foods Company (A)	23,201	431,075
Tootsie Roll Industries, Inc. (B)	4,312	147,772
		6,665,561
Household products – 0.2%		
Central Garden & Pet Company (A)	3,562	128,196
Central Garden & Pet Company, Class A (A)	9,658	326,344
Oil-Dri Corp. of America	1,775	61,593
WD-40 Company	3,667	727,166
		1,243,299
Personal products – 0.4%		
BellRing Brands, Inc. Class A (A)	10,833	216,010
Edgewell Personal Care Company (A)	14,807	461,386
elf Beauty, Inc. (A)	7,252	138,296
Inter Parfums, Inc.	4,863	234,153
Lifevantage Corp. (A)	4,183	56,554
Medifast, Inc. (B)	3,072	426,301
USANA Health Sciences, Inc. (A)	3,163	232,259
Veru, Inc. (A)	15,093	50,411
		1,815,370
Tobacco – 0.1%		
Turning Point Brands, Inc.	2,475	61,652
Universal Corp.	6,550	278,441

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Tobacco (continued)		
Vector Group, Ltd.	36,476	\$ 366,949
		707,042
		16,081,832
Energy – 2.2%		
Energy equipment and services – 0.7%		
Archrock, Inc.	35,739	231,946
Aspen Aerogels, Inc. (A)	6,896	45,376
Cactus, Inc., Class A	13,107	270,397
ChampionX Corp. (A)	50,925	497,028
DMC Global, Inc.	4,141	114,292
Dril-Quip, Inc. (A)	9,530	283,899
Exterran Corp. (A)	8,276	44,608
Frank's International NV (A)	44,106	98,356
Helix Energy Solutions Group, Inc. (A)	39,821	138,179
Liberty Oilfield Services, Inc., Class A	18,140	99,407
Matrix Service Company (A)	7,945	77,225
Nabors Industries, Ltd. (B)	2,038	75,447
Newpark Resources, Inc. (A)	27,513	61,354
NexTier Oilfield Solutions, Inc. (A)	45,270	110,912
Oceaneering International, Inc. (A)	27,829	177,827
Oil States International, Inc. (A)	17,446	82,869
Patterson-UTI Energy, Inc.	50,765	176,155
ProPetro Holding Corp. (A)	22,202	114,118
RPC, Inc. (A)(B)	16,696	51,424
SEACOR Holdings, Inc. (A)	5,352	151,569
Select Energy Services, Inc., Class A (A)	17,506	85,779
Solaris Oilfield Infrastructure, Inc., Class A (B)	8,757	64,977
Tidewater, Inc. (A)	12,329	68,919
Transocean, Ltd. (A)	160,229	293,219
U.S. Silica Holdings, Inc. (B)	21,419	77,323
		3,492,605
Oil, gas and consumable fuels – 1.5%		
Antero Resources Corp. (A)	67,190	170,663
Arch Resources, Inc.	4,175	118,612
Ardmore Shipping Corp.	10,332	44,841
Berry Corp.	20,134	97,247
Bonanza Creek Energy, Inc. (A)	5,588	82,814
Brigham Minerals, Inc., Class A	9,136	112,830
Chesapeake Energy Corp. (A)	3,194	15,651
Clean Energy Fuels Corp. (A)	38,135	84,660
CNX Resources Corp. (A)	50,780	439,247
CONSOL Energy, Inc. (A)	7,508	38,066
Contango Oil & Gas Company (A)	26,504	60,694
CVR Energy, Inc.	8,206	165,023
Delek US Holdings, Inc.	17,131	298,251
DHT Holdings, Inc.	29,668	152,197
Diamond S Shipping, Inc. (A)(B)	7,513	60,029
Dorian LPG, Ltd. (A)	9,559	73,987
Energy Fuels, Inc. (A)	35,318	53,330
Falcon Minerals Corp.	14,690	47,008
Frontline, Ltd.	31,754	221,643
Golar LNG, Ltd.	25,135	181,977
Green Plains, Inc. (A)	9,787	99,974
Gulfport Energy Corp. (A)	47,988	52,307
International Seaways, Inc.	6,665	108,906
Kosmos Energy, Ltd.	113,056	187,673
Magnolia Oil & Gas Corp., Class A (A)	35,852	217,263
Matador Resources Company (A)	30,585	259,973
Nordic American Tankers, Ltd.	39,163	159,002
Overseas Shipholding Group, Inc., Class A (A)	19,990	37,181
Ovintiv, Inc.	71,517	682,987
Par Pacific Holdings, Inc. (A)	11,374	102,252

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
PBF Energy, Inc., Class A	26,702	\$ 273,428
PDC Energy, Inc. (A)	27,771	345,471
Peabody Energy Corp.	18,872	54,351
Penn Virginia Corp. (A)	4,201	40,036
Range Resources Corp.	59,234	333,487
Renewable Energy Group, Inc. (A)	10,368	256,919
REX American Resources Corp. (A)	1,593	110,506
Scorpio Tankers, Inc.	13,950	178,700
SFL Corp., Ltd.	25,108	233,253
SM Energy Company	31,837	119,389
Southwestern Energy Company (A)	149,342	382,316
Tellurian, Inc. (A)	45,508	52,334
Uranium Energy Corp. (A)(B)	55,741	48,924
W&T Offshore, Inc. (A)(B)	28,325	64,581
World Fuel Services Corp.	17,086	440,135
		7,360,118
		10,852,723
Financials – 15.8%		
Banks – 8.2%		
1st Source Corp.	4,126	146,803
ACNB Corp.	2,748	71,943
Allegiance Bancshares, Inc.	5,190	131,774
Amalgamated Bank, Class A	3,986	50,383
Amerant Bancorp, Inc. (A)	6,349	95,489
American National Bankshares, Inc.	2,537	63,526
Ameris Bancorp	17,987	424,313
Ames National Corp.	3,065	60,503
Arrow Financial Corp.	3,607	107,236
Atlantic Capital Bancshares, Inc. (A)	6,397	77,788
Atlantic Union Bankshares Corp.	20,960	485,434
Auburn National Bancorporation, Inc.	807	46,072
Banc of California, Inc.	12,356	133,815
BancFirst Corp.	5,102	206,988
BancorpSouth Bank	26,510	602,837
Bank First Corp.	1,733	111,085
Bank of Commerce Holdings	6,130	46,465
Bank of Marin Bancorp	3,728	124,254
BankFinancial Corp.	5,241	44,024
BankUnited, Inc.	24,675	499,669
Banner Corp.	9,350	355,300
Bar Harbor Bankshares	4,467	100,016
Baycom Corp. (A)	4,023	51,937
BCB Bancorp, Inc.	5,245	48,674
Berkshire Hills Bancorp, Inc.	12,528	138,059
Boston Private Financial Holdings, Inc.	22,507	154,848
Bridge Bancorp, Inc.	4,626	105,658
Brookline Bancorp, Inc.	21,375	215,460
Bryn Mawr Bank Corp.	5,356	148,147
Business First Bancshares, Inc.	3,762	57,747
Byline Bancorp, Inc.	6,882	90,154
C&F Financial Corp.	1,220	40,565
Cadence Bancorp	34,245	303,411
California Bancorp, Inc. (A)	2,920	43,508
Cambridge Bancorp	1,865	110,483
Camden National Corp.	4,001	138,195
Capital City Bank Group, Inc.	4,109	86,084
Capstar Financial Holdings, Inc.	5,500	66,000
Carter Bank & Trust	7,076	57,103
Cathay General Bancorp	20,146	529,840
CB Financial Services, Inc.	1,957	42,702
CBTX, Inc.	4,952	103,992
Central Pacific Financial Corp.	7,702	123,463
Central Valley Community Bancorp	3,962	60,975
Century Bancorp, Inc., Class A	879	68,316
ChoiceOne Financial Services, Inc.	2,430	71,831

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
CIT Group, Inc.	26,742	\$ 554,362
Citizens & Northern Corp.	3,629	74,939
Citizens Holding Company	1,907	47,675
City Holding Company	3,968	258,595
Civista Bancshares, Inc.	5,006	77,092
CNB Financial Corp.	4,552	81,617
Codorus Valley Bancorp, Inc.	2,978	41,186
Colony Bancorp, Inc.	3,345	39,371
Columbia Banking System, Inc.	19,331	547,937
Community Bank System, Inc.	13,638	777,639
Community Bankers Trust Corp.	8,594	47,267
Community Trust Bancorp, Inc.	4,033	132,121
ConnectOne Bancorp, Inc.	10,115	163,054
County Bancorp, Inc.	1,970	41,232
CrossFirst Bancshares, Inc. (A)	13,473	131,766
Customers Bancorp, Inc. (A)	7,828	94,093
CVB Financial Corp.	34,431	645,237
Dime Community Bancshares, Inc.	8,182	112,339
Eagle Bancorp Montana, Inc.	2,556	44,423
Eagle Bancorp, Inc.	8,675	284,106
Enterprise Financial Services Corp.	6,340	197,301
Equity Bancshares, Inc., Class A (A)	4,401	76,753
Esquire Financial Holdings, Inc. (A)	2,521	42,605
Evans Bancorp, Inc.	1,754	40,798
Farmers & Merchants Bancorp, Inc.	2,419	51,380
Farmers National Banc Corp.	7,779	92,259
FB Financial Corp.	4,757	117,831
Fidelity D&D Bancorp, Inc.	1,319	63,431
Financial Institutions, Inc.	4,799	89,309
First Bancorp (North Carolina)	7,677	192,539
First Bancorp (Puerto Rico)	58,762	328,480
First Bank	5,475	35,697
First Busey Corp.	13,063	243,625
First Business Financial Services, Inc.	2,976	48,955
First Capital, Inc.	1,021	70,929
First Choice Bancorp	3,421	56,036
First Commonwealth Financial Corp.	26,212	217,035
First Community Bancshares, Inc.	4,935	110,791
First Community Corp.	3,076	46,601
First Financial Bancorp	26,183	363,682
First Financial Bankshares, Inc.	34,636	1,000,634
First Financial Corp.	3,578	131,814
First Foundation, Inc.	10,642	173,890
First Internet Bancorp	3,068	50,990
First Interstate BancSystem, Inc., Class A	11,258	348,548
First Merchants Corp.	14,346	395,519
First Mid Bancshares, Inc.	4,058	106,441
First Midwest Bancorp, Inc.	30,773	410,820
First Northwest Bancorp	3,334	41,408
First United Corp.	2,629	35,071
Flushing Financial Corp.	7,730	89,050
FNCB Bancorp, Inc.	6,281	36,116
Franklin Financial Network, Inc.	3,917	100,863
Franklin Financial Services Corp.	1,668	43,201
Fulton Financial Corp.	42,939	452,148
FVCBankcorp, Inc. (A)	4,389	47,226
German American Bancorp, Inc.	6,391	198,760
Glacier Bancorp, Inc.	25,543	901,412
Great Southern Bancorp, Inc.	2,911	117,488
Great Western Bancorp, Inc.	15,307	210,624
Guaranty Bancshares, Inc.	2,321	60,044
Hancock Whitney Corp.	23,362	495,274
Hanmi Financial Corp.	8,947	86,875
HarborOne Bancorp, Inc. (A)	14,880	127,075
HBT Financial, Inc.	2,995	39,923

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Heartland Financial USA, Inc.	9,350	\$ 312,664
Heritage Commerce Corp.	16,225	121,769
Heritage Financial Corp.	9,606	192,120
Hilltop Holdings, Inc.	19,408	358,078
Home BancShares, Inc.	41,234	634,179
HomeTrust Bancshares, Inc.	4,942	79,072
Hope Bancorp, Inc.	31,725	292,505
Horizon Bancorp, Inc.	11,805	126,195
Howard Bancorp, Inc. (A)	4,785	50,817
IBERIABANK Corp.	14,112	642,660
Independent Bank Corp. (Massachusetts)	8,787	589,520
Independent Bank Corp. (Michigan)	6,324	93,911
Independent Bank Group, Inc.	10,043	406,942
International Bancshares Corp.	14,314	458,334
Investar Holding Corp.	3,430	49,735
Investors Bancorp, Inc.	61,947	526,550
Lakeland Bancorp, Inc.	13,337	152,442
Lakeland Financial Corp.	6,279	292,539
Landmark Bancorp, Inc.	1,672	41,315
LCNB Corp.	4,197	66,984
Live Oak Bancshares, Inc.	7,943	115,253
Macatawa Bank Corp.	9,219	72,093
MainStreet Bancshares, Inc. (A)	2,741	36,181
Mercantile Bank Corp.	4,558	103,011
Meridian Corp. (A)	2,215	35,108
Metrocity Bankshares, Inc.	5,088	72,911
Metropolitan Bank Holding Corp. (A)	2,146	68,844
Mid Penn Bancorp, Inc.	2,496	46,001
Middlefield Banc Corp.	2,220	46,065
Midland States Bancorp, Inc.	6,221	93,004
MidWestOne Financial Group, Inc.	4,363	87,260
MVB Financial Corp.	2,831	37,652
National Bank Holdings Corp., Class A	7,707	208,089
National Bankshares, Inc.	2,153	61,576
NBT Bancorp, Inc.	11,255	346,204
Nicolet Bankshares, Inc. (A)	2,478	135,794
Northeast Bank	2,823	49,544
Northrim BanCorp, Inc.	2,246	56,464
Norwood Financial Corp.	1,939	48,068
OceanFirst Financial Corp.	15,728	277,285
OFG Bancorp	13,813	184,680
Old National Bancorp	43,443	597,776
Old Second Bancorp, Inc.	9,514	74,019
Origin Bancorp, Inc.	6,141	135,102
Orrstown Financial Services, Inc.	3,945	58,189
Pacific Premier Bancorp, Inc.	22,810	494,521
Park National Corp.	3,737	263,010
Parke Bancorp, Inc.	3,784	51,273
PCB Bancorp	4,805	49,492
Peapack-Gladstone Financial Corp.	5,318	99,606
Penns Woods Bancorp, Inc.	2,268	51,506
Peoples Bancorp, Inc.	5,084	108,188
Peoples Financial Services Corp.	2,003	76,495
People's Utah Bancorp	4,529	101,767
Plumas Bancorp	1,788	39,551
Preferred Bank	3,727	159,702
Premier Financial Bancorp, Inc.	4,639	59,472
QCR Holdings, Inc.	4,093	127,620
RBB Bancorp	5,142	70,188
Red River Bancshares, Inc.	1,518	66,625
Reliant Bancorp, Inc.	4,786	77,964
Renasant Corp.	14,636	364,436
Republic Bancorp, Inc., Class A	2,531	82,789
Republic First Bancorp, Inc. (A)	16,847	41,107
Richmond Mutual Bancorporation, Inc.	4,349	48,883

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
S&T Bancorp, Inc.	10,179	\$ 238,698
Salisbury Bancorp, Inc.	973	39,883
Sandy Spring Bancorp, Inc.	12,035	298,227
SB Financial Group, Inc.	2,526	41,982
SB One Bancorp	3,010	59,297
Seacoast Banking Corp. of Florida (A)	13,748	280,459
Select Bancorp, Inc. (A)	6,122	49,833
ServisFirst Bancshares, Inc.	13,077	467,634
Shore Bancshares, Inc.	4,728	52,434
Sierra Bancorp	4,411	83,280
Silvergate Capital Corp., Class A (A)	4,549	63,686
Simmons First National Corp., Class A	28,925	494,907
SmartFinancial, Inc.	3,860	62,455
South State Corp.	18,850	898,391
Southern First Bancshares, Inc. (A)	2,436	67,502
Southern National Bancorp of Virginia, Inc.	6,433	62,336
Southside Bancshares, Inc.	8,043	222,952
Spirit of Texas Bancshares, Inc. (A)	4,381	53,930
Stock Yards Bancorp, Inc.	5,404	217,241
Summit Financial Group, Inc.	3,318	54,681
Texas Capital Bancshares, Inc. (A)	13,777	425,296
The Bancorp, Inc. (A)	14,274	139,885
The Bank of NT Butterfield & Son, Ltd.	13,856	337,948
The Bank of Princeton	2,087	41,907
The First Bancorp, Inc.	3,509	76,145
The First Bancshares, Inc.	5,720	128,700
The First of Long Island Corp.	6,456	105,491
Tompkins Financial Corp.	3,677	238,159
Towne Bank	17,689	333,261
TriCo Bancshares	6,862	208,948
TriState Capital Holdings, Inc. (A)	7,739	121,580
Triumph Bancorp, Inc. (A)	6,040	146,591
Trustmark Corp.	16,838	412,868
UMB Financial Corp.	11,607	598,341
United Bankshares, Inc.	33,262	920,027
United Community Banks, Inc.	21,000	422,520
Unity Bancorp, Inc.	3,002	42,929
Univest Financial Corp.	7,841	126,554
Valley National Bancorp	107,458	840,322
Veritex Holdings, Inc.	12,995	230,012
Washington Trust Bancorp, Inc.	4,568	149,602
WesBanco, Inc.	17,477	354,958
West Bancorporation, Inc.	4,939	86,383
Westamerica Bancorporation	6,850	393,327
		40,886,432
Capital markets – 1.5%		
Artisan Partners Asset Management, Inc., Class A	14,746	479,245
Assetmark Financial Holdings, Inc. (A)	4,557	124,361
B. Riley Financial, Inc.	5,372	116,895
BGC Partners, Inc., Class A	83,325	228,311
Blucora, Inc. (A)	13,398	153,005
Brightsphere Investment Group, Inc.	16,884	210,375
Cohen & Steers, Inc.	6,634	451,444
Cowen, Inc., Class A	7,491	121,429
Diamond Hill Investment Group, Inc.	909	103,326
Donnelley Financial Solutions, Inc. (A)	8,672	72,845
Ellington Financial, Inc.	11,392	134,198
Federated Hermes, Inc.	26,221	621,438
Focus Financial Partners, Inc., Class A (A)(B)	8,642	285,618
GAIN Capital Holdings, Inc.	5,983	36,018
Greenhill & Company, Inc.	4,482	44,775
Hamilton Lane, Inc., Class A	6,008	404,759

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Houlihan Lokey, Inc.	11,918	\$ 663,118
INTL. FCStone, Inc. (A)	4,438	244,090
Moelis & Company, Class A	14,333	446,616
Oppenheimer Holdings, Inc., Class A	2,813	61,295
Piper Sandler Companies	4,722	279,354
PJT Partners, Inc., Class A	6,364	326,728
Safeguard Scientifics, Inc.	6,736	47,152
Sculptor Capital Management, Inc.	5,331	68,930
Silvercrest Asset Management Group, Inc., Class A	3,390	43,087
Stifel Financial Corp.	18,059	856,538
Virtus Investment Partners, Inc.	2,001	232,696
Waddell & Reed Financial, Inc., Class A (B)	17,308	268,447
Westwood Holdings Group, Inc.	2,653	41,785
WisdomTree Investments, Inc.	40,898	141,916
		7,309,794
Consumer finance – 0.7%		
Curo Group Holdings Corp.	5,228	42,713
Encore Capital Group, Inc. (A)	8,441	288,513
Enova International, Inc. (A)	8,059	119,837
EZCORP, Inc., Class A (A)	13,627	85,850
FirstCash, Inc.	11,010	742,955
Green Dot Corp., Class A (A)	13,847	679,611
LendingClub Corp. (A)	19,462	88,552
Navient Corp.	51,720	363,592
Nelnet, Inc., Class A	4,747	226,622
Oportun Financial Corp. (A)	5,538	74,431
PRA Group, Inc. (A)	12,283	474,861
Regional Management Corp. (A)	2,582	45,727
World Acceptance Corp. (A)	1,379	90,352
		3,323,616
Diversified financial services – 0.2%		
Alerus Financial Corp.	4,558	90,066
Banco Latinoamericano de Comercio Exterior SA, Class E	8,236	94,714
Cannae Holdings, Inc. (A)	22,876	940,204
NewStar Financial, Inc. (A)(C)	8,978	912
		1,125,896
Insurance – 2.3%		
Ambac Financial Group, Inc. (A)	12,494	178,914
American Equity Investment Life Holding Company	24,555	606,754
AMERISAFE, Inc.	5,141	314,424
Argo Group International Holdings, Ltd.	8,875	309,116
Benefytt Technologies, Inc. (A)	2,918	59,702
BRP Group, Inc., Class A (A)	5,746	99,233
Citizens, Inc. (A)(B)	13,973	83,698
CNO Financial Group, Inc.	38,799	604,100
Crawford & Company, Class A	5,315	41,935
Donegal Group, Inc., Class A	3,248	46,187
eHealth, Inc. (A)	6,914	679,231
Employers Holdings, Inc.	8,053	242,798
Enstar Group, Ltd. (A)	3,224	492,530
FBL Financial Group, Inc., Class A	2,735	98,159
FedNat Holding Company	3,957	43,804
Genworth Financial, Inc., Class A (A)	137,258	317,066
Global Indemnity, Ltd.	2,430	58,174
Goosehead Insurance, Inc., Class A (A)(B)	3,507	263,586
Greenlight Capital Re, Ltd., Class A (A)	9,216	60,088
HCI Group, Inc.	1,662	76,751
Heritage Insurance Holdings, Inc.	6,925	90,648
Horace Mann Educators Corp.	11,184	410,788
Independence Holding Company	1,604	49,066

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Investors Title Company	408	\$ 49,499
James River Group Holdings, Ltd.	8,028	361,260
Kinsale Capital Group, Inc.	5,632	874,143
MBIA, Inc. (A)	19,534	141,622
National General Holdings Corp.	18,331	396,133
National Western Life Group, Inc., Class A	713	144,874
NI Holdings, Inc. (A)	2,932	43,306
Palomar Holdings, Inc. (A)	5,216	447,324
ProAssurance Corp.	14,843	214,778
Protective Insurance Corp., Class B	3,049	45,948
RLI Corp.	10,657	874,940
Safety Insurance Group, Inc.	3,963	302,218
Selective Insurance Group, Inc.	15,958	841,625
State Auto Financial Corp.	4,975	88,804
Stewart Information Services Corp.	6,286	204,358
Third Point Reinsurance, Ltd. (A)	22,173	166,519
Tiptree, Inc.	8,104	52,271
Trupanion, Inc. (A)(B)	8,173	348,905
United Fire Group, Inc.	5,779	160,136
United Insurance Holdings Corp.	6,157	48,148
Universal Insurance Holdings, Inc.	7,595	134,811
Watford Holdings, Ltd. (A)	5,002	83,483
		11,251,857
Mortgage real estate investment trusts – 1.3%		
Anworth Mortgage Asset Corp. (B)	29,895	50,822
Apollo Commercial Real Estate Finance, Inc.	41,974	411,765
Arbor Realty Trust, Inc.	27,943	258,193
Ares Commercial Real Estate Corp.	8,888	81,059
ARMOUR Residential REIT, Inc.	17,772	166,879
Blackstone Mortgage Trust, Inc., Class A (B)	37,121	894,245
Broadmark Realty Capital, Inc.	34,602	327,681
Capstead Mortgage Corp.	26,541	145,710
Cherry Hill Mortgage Investment Corp.	4,816	43,440
Chimera Investment Corp.	51,674	496,587
Colony Credit Real Estate, Inc.	23,283	163,447
Dynex Capital, Inc. (B)	6,545	93,594
Granite Point Mortgage Trust, Inc. (B)	15,187	109,043
Great Ajax Corp.	6,176	56,819
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	19,118	544,098
Invesco Mortgage Capital, Inc. (B)	48,948	183,066
KKR Real Estate Finance Trust, Inc.	7,114	117,950
Ladder Capital Corp.	28,875	233,888
MFA Financial, Inc.	122,460	304,925
New York Mortgage Trust, Inc.	104,444	272,599
Orchid Island Capital, Inc. (B)	19,271	90,766
PennyMac Mortgage Investment Trust	27,167	476,238
Ready Capital Corp.	10,231	88,907
Redwood Trust, Inc.	31,963	223,741
TPG RE Finance Trust, Inc.	16,570	142,502
Two Harbors Investment Corp.	74,395	374,951
Western Asset Mortgage Capital Corp. (B)	15,099	41,371
		6,394,286
Thriffs and mortgage finance – 1.6%		
Axos Financial, Inc. (A)	15,615	344,779
Bridgewater Bancshares, Inc. (A)	6,972	71,463
Capitol Federal Financial, Inc.	34,947	384,766
Columbia Financial, Inc. (A)	12,577	175,512
ESSA Bancorp, Inc.	3,420	47,606
Essent Group, Ltd.	29,411	1,066,737
Federal Agricultural Mortgage Corp., Class C	2,446	156,568
Flagstar Bancorp, Inc.	9,544	280,880

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thriffs and mortgage finance (continued)		
FS Bancorp, Inc.	1,394	\$ 53,767
Hingham Institution for Savings	407	68,286
Home Bancorp, Inc.	2,619	70,058
HomeStreet, Inc.	6,410	157,750
Kearny Financial Corp.	21,182	173,269
Luther Burbank Corp.	4,928	49,280
Merchants Bancorp	2,490	46,040
Meridian Bancorp, Inc.	13,188	152,981
Meta Financial Group, Inc.	9,183	166,855
MMA Capital Holdings, Inc. (A)	1,602	37,038
Mr. Cooper Group, Inc. (A)	20,605	256,326
NMI Holdings, Inc., Class A (A)	18,282	293,975
Northfield Bancorp, Inc.	12,821	147,698
Northwest Bancshares, Inc.	31,446	321,535
PCSB Financial Corp.	5,195	65,873
PennyMac Financial Services, Inc.	12,514	522,960
Premier Financial Corp.	10,445	184,563
Provident Financial Services, Inc.	16,530	238,859
Radian Group, Inc.	51,729	802,317
Riverview Bancorp, Inc.	7,745	43,759
Southern Missouri Bancorp, Inc.	2,600	63,180
Standard AVB Financial Corp.	1,608	37,306
Territorial Bancorp, Inc.	2,612	62,139
Timberland Bancorp, Inc.	2,758	50,223
TrustCo Bank Corp.	26,735	169,233
Walker & Dunlop, Inc.	7,684	390,424
Washington Federal, Inc.	19,954	535,565
Waterstone Financial, Inc.	6,151	91,219
Western New England Bancorp, Inc.	8,109	46,951
WSFS Financial Corp.	13,563	389,258
		8,216,998
		78,508,879
Health care – 19.9%		
Biotechnology – 10.5%		
Abeona Therapeutics, Inc. (A)	17,942	52,301
Achillion Pharmaceuticals, Inc. (A)(C)	38,157	17,552
ADMA Biologics, Inc. (A)(B)	17,978	52,676
Aduro Biotech, Inc. (A)	20,054	46,325
Adverum Biotechnologies, Inc. (A)	19,948	416,514
Aeglea BioTherapeutics, Inc. (A)	11,921	110,269
Affimed NV (A)	20,903	96,467
Agenus, Inc. (A)	38,719	152,166
Aimmune Therapeutics, Inc. (A)(B)	12,837	214,506
Akcea Therapeutics, Inc. (A)(B)	4,734	64,856
Akebia Therapeutics, Inc. (A)	35,651	484,141
Akero Therapeutics, Inc. (A)(B)	3,151	78,523
Albireo Pharma, Inc. (A)	3,854	102,092
Alder Biopharmaceuticals, Inc. (A)(B)(C)	20,275	29,946
Alector, Inc. (A)	12,652	309,215
Allakos, Inc. (A)(B)	6,629	476,360
Allogene Therapeutics, Inc. (A)(B)	13,211	565,695
Amicus Therapeutics, Inc. (A)	69,256	1,044,380
AnaptysBio, Inc. (A)	6,016	134,397
Anavex Life Sciences Corp. (A)(B)	14,889	73,254
Anika Therapeutics, Inc. (A)	3,889	146,732
Apellis Pharmaceuticals, Inc. (A)	16,389	535,265
Applied Genetic Technologies Corp. (A)	7,008	38,824
Applied Therapeutics, Inc. (A)	3,661	132,345
Aprea Therapeutics, Inc. (A)	2,013	78,064
Aravive, Inc. (A)	3,555	41,380
Arcturus Therapeutics Holdings, Inc. (A)	3,603	168,404
Arcus Biosciences, Inc. (A)	9,005	222,784
Arcutis Biotherapeutics, Inc. (A)	2,658	80,378
Ardelyx, Inc. (A)	20,498	141,846
Arena Pharmaceuticals, Inc. (A)	15,338	965,527

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Arrowhead Pharmaceuticals, Inc. (A)	27,300	\$ 1,179,087
Assembly Biosciences, Inc. (A)	8,546	199,293
Atara Biotherapeutics, Inc. (A)	15,891	231,532
Athenex, Inc. (A)(B)	20,284	279,108
Athersys, Inc. (A)(B)	48,114	132,795
Atreca, Inc., Class A (A)(B)	5,941	126,424
Avid Bioservices, Inc. (A)	16,005	105,073
AvroBio, Inc. (A)(B)	8,530	148,849
Beam Therapeutics, Inc. (A)	3,408	95,424
BeyondSpring, Inc. (A)	3,991	60,184
BioCryst Pharmaceuticals, Inc. (A)	42,634	203,151
Biohaven Pharmaceutical Holding Company, Ltd. (A)	12,846	939,171
BioSpecifics Technologies Corp. (A)	1,765	108,159
Bioxeel Therapeutics, Inc. (A)	2,907	154,100
Black Diamond Therapeutics, Inc. (A)(B)	3,368	141,995
Blueprint Medicines Corp. (A)	14,766	1,151,748
BrainStorm Cell Therapeutics, Inc. (A)	7,783	87,247
BridgeBio Pharma, Inc. (A)(B)	19,847	647,211
Cabaletta Bio, Inc. (A)	4,052	45,139
Calithera Biosciences, Inc. (A)	18,621	98,319
CareDx, Inc. (A)	11,655	412,937
CASI Pharmaceuticals, Inc. (A)	16,463	41,158
Castle Biosciences, Inc. (A)	2,846	107,266
Catabasis Pharmaceuticals, Inc. (A)	5,862	37,693
Catalyst Pharmaceuticals, Inc. (A)	27,072	125,073
Cellular Biomedicine Group, Inc. (A)	3,774	56,497
CEL-SCI Corp. (A)(B)	9,033	134,772
ChemoCentryx, Inc. (A)	12,108	696,694
Chimerix, Inc. (A)	15,044	46,636
Cidara Therapeutics, Inc. (A)	10,711	39,524
Clovis Oncology, Inc. (A)	19,987	134,912
Coherus Biosciences, Inc. (A)(B)	15,780	281,831
Concert Pharmaceuticals, Inc. (A)	8,317	82,754
Constellation Pharmaceuticals, Inc. (A)	7,415	222,821
Corbus Pharmaceuticals Holdings, Inc. (A)(B)	18,535	155,509
Cortexyme, Inc. (A)	4,310	199,553
Crinetics Pharmaceuticals, Inc. (A)	7,551	132,294
Cue Biopharma, Inc. (A)	7,637	187,183
Cyclerion Therapeutics, Inc. (A)	6,554	38,734
Cytokinetics, Inc. (A)(B)	15,314	360,951
CytomX Therapeutics, Inc. (A)	12,690	105,708
Deciphera Pharmaceuticals, Inc. (A)	10,190	608,547
Denali Therapeutics, Inc. (A)	17,178	415,364
DermTech, Inc. (A)	2,674	35,377
Dicerna Pharmaceuticals, Inc. (A)	17,765	451,231
Dyadic International, Inc. (A)	6,046	52,358
Dynavax Technologies Corp. (A)(B)	24,654	218,681
Eagle Pharmaceuticals, Inc. (A)	3,032	145,475
Editas Medicine, Inc. (A)(B)	15,193	449,409
Eidos Therapeutics, Inc. (A)	2,996	142,819
Eiger BioPharmaceuticals, Inc. (A)	6,825	65,520
Emergent BioSolutions, Inc. (A)	12,101	956,947
Enanta Pharmaceuticals, Inc. (A)	5,237	262,950
Epizyme, Inc. (A)	24,410	392,025
Esperion Therapeutics, Inc. (A)(B)	7,081	363,326
Excicure, Inc. (A)	17,857	43,571
Fate Therapeutics, Inc. (A)(B)	17,074	585,809
Fennec Pharmaceuticals, Inc. (A)	6,821	56,955
FibroGen, Inc. (A)	22,621	916,829
Five Prime Therapeutics, Inc. (A)	8,143	49,672
Flexion Therapeutics, Inc. (A)	9,587	126,069
Fortress Biotech, Inc. (A)	17,787	47,669
Frequency Therapeutics, Inc. (A)	7,771	180,676

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
G1 Therapeutics, Inc. (A)(B)	9,419	\$ 228,505
Galectin Therapeutics, Inc. (A)	12,693	38,841
Geron Corp. (A)(B)	53,069	115,690
Gossamer Bio, Inc. (A)	13,748	178,724
Gritstone Oncology, Inc. (A)	8,940	59,362
Halozyme Therapeutics, Inc. (A)	36,925	989,959
Harpoon Therapeutics, Inc. (A)	3,046	50,564
Heron Therapeutics, Inc. (A)(B)	23,995	352,966
Homology Medicines, Inc. (A)	9,456	143,637
Hookipa Pharma, Inc. (A)	3,942	45,806
Ideaya Biosciences, Inc. (A)	3,587	50,971
IGM Biosciences, Inc. (A)	1,954	142,642
ImmunoGen, Inc. (A)	47,390	217,994
Immunovant, Inc. (A)	5,297	128,982
Inovio Pharmaceuticals, Inc. (A)(B)	39,141	1,054,850
Insmed, Inc. (A)	27,603	760,187
Intellia Therapeutics, Inc. (A)(B)	12,070	253,711
Intercept Pharmaceuticals, Inc. (A)	7,071	338,772
Invitae Corp. (A)(B)	31,436	952,196
Ironwood Pharmaceuticals, Inc. (A)	43,761	451,614
IVERIC bio, Inc. (A)	12,930	65,943
Jounce Therapeutics, Inc. (A)	5,192	35,825
Kadmon Holdings, Inc. (A)	44,403	227,343
KalVista Pharmaceuticals, Inc. (A)	4,136	50,046
Karuna Therapeutics, Inc. (A)(B)	4,227	471,141
Karyopharm Therapeutics, Inc. (A)(B)	19,182	363,307
Keros Therapeutics, Inc. (A)	1,949	73,107
Kezar Life Sciences, Inc. (A)(B)	7,901	40,927
Kindred Biosciences, Inc. (A)	11,791	52,942
Kiniksa Pharmaceuticals, Ltd., Class A (A)(B)	5,279	134,509
Kodiak Sciences, Inc. (A)(B)	7,857	425,221
Krystal Biotech, Inc. (A)	3,289	136,230
Kura Oncology, Inc. (A)	14,574	237,556
Ligand Pharmaceuticals, Inc. (A)(B)	3,922	438,676
MacroGenics, Inc. (A)	13,118	366,255
Madrigal Pharmaceuticals, Inc. (A)	2,395	271,234
Magenta Therapeutics, Inc. (A)	5,190	38,977
MannKind Corp. (A)(B)	61,057	106,850
MediciNova, Inc. (A)(B)	12,539	67,961
MEI Pharma, Inc. (A)	29,182	120,522
MeiraGTx Holdings PLC (A)	5,872	73,517
Mersana Therapeutics, Inc. (A)	12,532	293,249
Minerva Neurosciences, Inc. (A)(B)	10,120	36,533
Mirati Therapeutics, Inc. (A)	9,999	1,141,586
Molecular Templates, Inc. (A)	6,792	93,662
Momenta Pharmaceuticals, Inc. (A)	32,087	1,067,534
Morphic Holding, Inc. (A)(B)	3,829	103,574
Myriad Genetics, Inc. (A)	19,613	222,411
NantKwest, Inc. (A)	8,035	98,670
Natera, Inc. (A)	18,999	947,290
Neoleukin Therapeutics, Inc. (A)	8,372	138,975
Neubase Therapeutics, Inc. (A)	5,356	47,026
NextCure, Inc. (A)(B)	4,500	96,480
Novavax, Inc. (A)(B)	15,852	1,321,264
Nymox Pharmaceutical Corp. (A)	12,055	42,795
Oncocyte Corp. (A)	12,805	24,458
OPKO Health, Inc. (A)(B)	109,419	373,119
Orgenesis, Inc. (A)	5,728	34,826
ORIC Pharmaceuticals, Inc. (A)	2,435	82,133
Ovid therapeutics, Inc. (A)	12,232	90,150
Oyster Point Pharma, Inc. (A)(B)	1,441	41,616
Passage Bio, Inc. (A)	3,762	102,815
PDL BioPharma, Inc. (A)	32,793	95,428
Pfenex, Inc. (A)	10,004	83,533

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Pieris Pharmaceuticals, Inc. (A)	15,213	\$ 47,160
Portola Pharmaceuticals, Inc. (A)(B)	21,467	386,191
Precigen, Inc. (A)	18,940	94,511
Precision BioSciences, Inc. (A)	12,826	106,841
Prevail Therapeutics, Inc. (A)(B)	4,130	61,537
Principia Biopharma, Inc. (A)	8,008	478,798
Protagonist Therapeutics, Inc. (A)	6,285	110,993
Prothena Corp. PLC (A)	8,759	91,619
PTC Therapeutics, Inc. (A)	16,822	853,548
Puma Biotechnology, Inc. (A)	8,584	89,531
Radius Health, Inc. (A)	12,569	171,315
RAPT Therapeutics, Inc. (A)	3,087	89,585
REGENXBIO, Inc. (A)	9,320	343,256
Replimune Group, Inc. (A)	4,798	119,230
Retrophin, Inc. (A)	11,480	234,307
REVOLUTION Medicines, Inc. (A)	4,062	128,237
Rhythm Pharmaceuticals, Inc. (A)	9,305	207,502
Rigel Pharmaceuticals, Inc. (A)	49,332	90,278
Rocket Pharmaceuticals, Inc. (A)	9,349	195,675
Rubius Therapeutics, Inc. (A)(B)	10,719	64,100
Sangamo Therapeutics, Inc. (A)	31,658	283,656
Savara, Inc. (A)	14,075	35,047
Scholar Rock Holding Corp. (A)	6,352	115,670
Selecta Biosciences, Inc. (A)	19,945	56,644
Seres Therapeutics, Inc. (A)	12,854	61,185
Sorrento Therapeutics, Inc. (A)(B)	47,965	301,220
Spectrum Pharmaceuticals, Inc. (A)	33,274	112,466
Spero Therapeutics, Inc. (A)	4,379	59,248
SpringWorks Therapeutics, Inc. (A)	5,840	245,280
Stemline Therapeutics, Inc. (A)(C)	12,819	4,230
Stoke Therapeutics, Inc. (A)(B)	3,422	81,546
Sutro Biopharma, Inc. (A)	5,397	41,881
Syndax Pharmaceuticals, Inc. (A)	7,518	111,417
Synergy Pharmaceuticals, Inc. (A)(C)	80,513	233
Syros Pharmaceuticals, Inc. (A)	11,663	124,328
TCR2 Therapeutics, Inc. (A)	4,816	73,974
TG Therapeutics, Inc. (A)	26,350	513,298
Translate Bio, Inc. (A)	13,827	247,780
Turning Point Therapeutics, Inc. (A)	7,586	489,980
Twist Bioscience Corp. (A)	8,176	370,373
Ultragenyx Pharmaceutical, Inc. (A)(B)	15,442	1,207,873
UNITY Biotechnology, Inc. (A)(B)	9,603	83,354
UroGen Pharma, Ltd. (A)(B)	5,452	142,406
Vanda Pharmaceuticals, Inc. (A)	14,714	168,328
Vaxart, Inc. (A)	12,604	111,545
VBI Vaccines, Inc. (A)	47,787	148,140
VeracYTE, Inc. (A)	13,728	355,555
Verastem, Inc. (A)	46,272	79,588
Vericel Corp. (A)	12,382	171,119
Viela Bio, Inc. (A)	5,475	237,177
Viking Therapeutics, Inc. (A)	18,192	131,164
Vir Biotechnology, Inc. (A)	12,625	517,246
Voyager Therapeutics, Inc. (A)	7,354	92,807
X4 Pharmaceuticals, Inc. (A)	4,838	45,090
XBioTech, Inc. (A)	3,918	53,716
Xencor, Inc. (A)	15,149	490,676
XOMA Corp. (A)	1,855	36,655
Y-mAbs Therapeutics, Inc. (A)	8,211	354,715
Zentalis Pharmaceuticals, Inc. (A)	2,823	135,560
ZIOPHARM Oncology, Inc. (A)(B)	58,941	193,326
		52,357,871
Health care equipment and supplies – 3.5%		
Accelerate Diagnostics, Inc. (A)(B)	8,621	130,694
Accuray, Inc. (A)	26,887	54,581
Alphatec Holdings, Inc. (A)	13,230	62,181

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
AngioDynamics, Inc. (A)	10,582	\$ 107,619
Antares Pharma, Inc. (A)	45,912	126,258
Apyx Medical Corp. (A)	10,114	56,133
Aspira Women's Health, Inc. (A)	13,642	52,385
AtriCure, Inc. (A)	10,651	478,762
Atrion Corp.	389	247,797
Avanos Medical, Inc. (A)	13,020	382,658
Axogen, Inc. (A)(B)	10,471	96,752
Axonics Modulation Technologies, Inc. (A)(B)	8,294	291,202
BioLife Solutions, Inc. (A)(B)	2,205	36,052
BioSig Technologies, Inc. (A)	6,325	45,540
Cantel Medical Corp.	10,351	457,825
Cardiovascular Systems, Inc. (A)	9,500	299,725
Cerus Corp. (A)	44,431	293,245
Co-Diagnostics, Inc. (A)	7,209	139,494
CONMED Corp.	7,402	532,870
CryoLife, Inc. (A)	10,119	193,981
CryoPort, Inc. (A)(B)	9,189	277,967
Cutera, Inc. (A)	5,049	61,446
CytoSorbents Corp. (A)(B)	9,731	96,337
FONAR Corp. (A)	1,988	42,484
GenMark Diagnostics, Inc. (A)	18,542	272,753
Glaukos Corp. (A)	11,540	443,367
Heska Corp. (A)	1,925	179,352
Inogen, Inc. (A)	5,076	180,300
Integer Holdings Corp. (A)	8,895	649,780
IntriCon Corp. (A)	2,805	37,924
Invacare Corp.	9,968	63,496
iRadimed Corp. (A)	1,873	43,472
iRhythm Technologies, Inc. (A)	7,363	853,298
Lantheus Holdings, Inc. (A)	18,000	257,397
LeMaitre Vascular, Inc.	4,675	123,420
LivaNova PLC (A)	13,309	640,562
Meridian Bioscience, Inc. (A)	11,624	270,723
Merit Medical Systems, Inc. (A)	14,776	674,524
Mesa Laboratories, Inc.	1,090	236,312
Misonix, Inc. (A)	4,452	60,414
Natus Medical, Inc. (A)	9,269	202,250
Neogen Corp. (A)	14,346	1,113,250
Nevro Corp. (A)(B)	9,119	1,089,447
NuVasive, Inc. (A)	13,981	778,182
OraSure Technologies, Inc. (A)	17,078	198,617
Orthofix Medical, Inc. (A)	5,203	166,496
OrthoPediatrics Corp. (A)	3,299	144,364
Pulse Biosciences, Inc. (A)(B)	4,208	44,016
Quotient, Ltd. (A)	16,783	124,194
Repro-Med Systems, Inc. (A)	6,895	61,917
Rockwell Medical, Inc. (A)(B)	22,106	43,107
RTI Surgical Holdings, Inc. (A)	17,127	54,464
SeaSpine Holdings Corp. (A)	7,800	81,666
Shockwave Medical, Inc. (A)	7,324	346,938
SI-BONE, Inc. (A)	7,185	114,529
Sientra, Inc. (A)(B)	13,768	53,282
Silk Road Medical, Inc. (A)(B)	8,672	363,270
STAAR Surgical Company (A)	12,303	757,127
Stereotaxis, Inc. (A)	12,954	57,775
Surmodics, Inc. (A)	3,725	161,069
Tactile Systems Technology, Inc. (A)(B)	5,034	208,559
TransMedics Group, Inc. (A)	5,652	101,284
Utah Medical Products, Inc.	994	88,088
Vapotherm, Inc. (A)	5,256	215,443
Varex Imaging Corp. (A)	10,387	157,363
ViewRay, Inc. (A)(B)	32,379	72,529
Wright Medical Group NV (A)(B)	34,961	1,039,041

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Zynex, Inc. (A)(B)	4,561	\$ 113,432
		17,502,781
Health care providers and services – 2.2%		
ILife Healthcare, Inc. (A)	5,835	211,927
AdaptHealth Corp. (A)	2,231	35,919
Addus HomeCare Corp. (A)	3,767	348,674
AMN Healthcare Services, Inc. (A)	12,652	572,376
Apollo Medical Holdings, Inc. (A)	2,810	46,365
BioTelemetry, Inc. (A)	9,149	413,443
Brookdale Senior Living, Inc. (A)	50,784	149,813
Catsys, Inc. (A)(B)	2,264	56,011
Community Health Systems, Inc. (A)(B)	24,388	73,408
CorVel Corp. (A)	2,414	171,128
Covetrus, Inc. (A)	26,885	480,973
Cross Country Healthcare, Inc. (A)	10,866	66,935
Fulgent Genetics, Inc. (A)	2,821	45,136
Hanger, Inc. (A)	10,216	169,177
HealthEquity, Inc. (A)	18,975	1,113,263
InfuSystem Holdings, Inc. (A)	4,316	49,807
LHC Group, Inc. (A)	8,237	1,435,874
Magellan Health, Inc. (A)	6,371	464,956
MEDNAX, Inc. (A)	22,721	388,529
National HealthCare Corp.	3,350	212,524
National Research Corp.	3,737	217,531
Option Care Health, Inc. (A)	9,364	129,972
Owens & Minor, Inc.	17,054	129,951
Patterson Companies, Inc.	23,104	508,288
PetIQ, Inc. (A)(B)	5,689	198,205
Progyny, Inc. (A)	7,245	186,993
R1 RCM, Inc. (A)	29,151	325,034
RadNet, Inc. (A)	11,762	186,663
Select Medical Holdings Corp. (A)	29,513	434,726
Sharps Compliance Corp. (A)	4,831	33,962
Surgery Partners, Inc. (A)	6,394	73,979
Tenet Healthcare Corp. (A)	28,440	515,048
The Ensign Group, Inc.	13,909	582,092
The Joint Corp. (A)(B)	4,026	61,477
The Pennant Group, Inc. (A)	7,132	161,183
The Providence Service Corp. (A)	3,291	259,693
Tivity Health, Inc. (A)(B)	12,053	136,560
Triple-S Management Corp., Class B (A)	6,300	119,826
US Physical Therapy, Inc.	3,487	282,517
Viemed Healthcare, Inc. (A)	9,762	93,715
		11,143,653
Health care technology – 1.0%		
Allscripts Healthcare Solutions, Inc. (A)	44,395	300,554
Computer Programs & Systems, Inc.	3,682	83,913
Evolent Health, Inc., Class A (A)	21,063	149,969
Health Catalyst, Inc. (A)(B)	8,848	258,096
HealthStream, Inc. (A)	7,064	156,326
HMS Holdings Corp. (A)	23,925	774,931
Icad, Inc. (A)	5,910	59,041
Inovalon Holdings, Inc., Class A (A)	20,124	387,588
Inspire Medical Systems, Inc. (A)	7,129	620,366
NantHealth, Inc. (A)	7,978	36,539
NextGen Healthcare, Inc. (A)	15,225	167,171
Omnicell, Inc. (A)	11,532	814,390
OptimizeRx Corp. (A)	4,346	56,628
Phreesia, Inc. (A)	7,814	220,980
Schrodinger, Inc. (A)	3,758	344,120
Simulations Plus, Inc.	3,402	203,508
Tabula Rasa HealthCare, Inc. (A)(B)	5,591	305,995
Vocera Communications, Inc. (A)	8,728	185,034
		5,125,149

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services – 0.6%		
ChromaDex Corp. (A)	12,481	\$ 57,288
Codexis, Inc. (A)	14,865	169,461
Fluidigm Corp. (A)	20,277	81,311
Harvard Bioscience, Inc. (A)	12,669	39,274
Luminex Corp.	11,611	377,706
Medpace Holdings, Inc. (A)	7,415	689,743
NanoString Technologies, Inc. (A)	10,335	303,332
NeoGenomics, Inc. (A)	28,162	872,459
Pacific Biosciences of California, Inc. (A)	40,659	140,274
Personalis, Inc. (A)	5,727	74,279
Quanterix Corp. (A)(B)	5,281	144,647
		2,949,774
Pharmaceuticals – 2.1%		
Aerie Pharmaceuticals, Inc. (A)	10,232	151,024
Agile Therapeutics, Inc. (A)	19,827	55,119
AMAG Pharmaceuticals, Inc. (A)	9,143	69,944
Amneal Pharmaceuticals, Inc. (A)(B)	27,441	130,619
Amphastar Pharmaceuticals, Inc. (A)	9,813	220,400
ANI Pharmaceuticals, Inc. (A)	2,704	87,447
Arvinas, Inc. (A)(B)	8,055	270,165
Axsome Therapeutics, Inc. (A)(B)	7,545	620,803
BioDelivery Sciences International, Inc. (A)	25,256	110,116
Cara Therapeutics, Inc. (A)(B)	11,373	194,478
Chiasma, Inc. (A)(B)	10,871	58,486
Collegium Pharmaceutical, Inc. (A)	9,461	165,568
Corcept Therapeutics, Inc. (A)(B)	26,272	441,895
CorMedix, Inc. (A)	7,854	49,480
Cymabay Therapeutics, Inc. (A)	20,100	70,149
Direct Corp. (A)	55,194	128,050
Elanco Animal Health, Inc. (A)(C)	15,082	0
Endo International PLC (A)	62,054	212,845
Evoform Biosciences, Inc. (A)	14,255	40,342
Evolus, Inc. (A)(B)	6,705	35,537
Fulcrum Therapeutics, Inc. (A)(B)	3,622	66,246
Harrow Health, Inc. (A)	7,302	38,043
IMARA, Inc. (A)	1,415	39,096
Innoviva, Inc. (A)	17,475	244,301
Intersect ENT, Inc. (A)	9,248	125,218
Intra-Cellular Therapies, Inc. (A)	15,053	386,411
Kala Pharmaceuticals, Inc. (A)	11,042	116,051
Lannett Company, Inc. (A)	9,038	65,616
Liquidia Technologies, Inc. (A)(B)	5,873	49,451
Mallinckrodt PLC (A)	23,835	63,878
Marinus Pharmaceuticals, Inc. (A)	24,764	62,901
Menlo Therapeutics, Inc. (A)	31,634	54,727
MyoKardia, Inc. (A)	13,519	1,306,206
NGM Biopharmaceuticals, Inc. (A)(B)	6,504	128,389
Ocular Therapeutix, Inc. (A)(B)	14,485	120,660
Odonate Therapeutics, Inc. (A)	3,664	155,134
Omeros Corp. (A)(B)	14,429	212,395
Optinose, Inc. (A)(B)	9,484	70,561
Pacira BioSciences, Inc. (A)	11,300	592,911
Paratek Pharmaceuticals, Inc. (A)	12,255	63,971
Phathom Pharmaceuticals, Inc. (A)	2,989	98,368
Phibro Animal Health Corp., Class A	5,719	150,238
Prestige Consumer Healthcare, Inc. (A)	13,692	514,272
Provention Bio, Inc. (A)	11,688	164,918
Relmada Therapeutics, Inc. (A)	3,858	172,646
Revance Therapeutics, Inc. (A)	15,545	379,609
Satsuma Pharmaceuticals, Inc. (A)	2,627	75,553
SIGA Technologies, Inc. (A)	15,178	89,702
Strongbridge Biopharma PLC (A)	11,318	42,782
Supernus Pharmaceuticals, Inc. (A)	13,412	318,535
TherapeuticsMD, Inc. (A)(B)	68,274	85,343

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Theravance Biopharma, Inc. (A)	12,728	\$ 267,161
Tricida, Inc. (A)(B)	7,833	215,251
Verrica Pharmaceuticals, Inc. (A)(B)	3,850	42,389
WaVe Life Sciences, Ltd. (A)(B)	6,090	63,397
Zogenix, Inc. (A)	15,225	411,227
		10,166,024
		99,245,252
Industrials – 14.0%		
Aerospace and defense – 0.8%		
AAR Corp.	9,265	191,508
Aerojet Rocketdyne Holdings, Inc. (A)	19,834	786,220
AeroVironment, Inc. (A)	5,879	468,145
Astronics Corp. (A)	7,018	74,110
Cubic Corp.	8,557	410,993
Ducommun, Inc. (A)	3,000	104,610
Kratos Defense & Security Solutions, Inc. (A)	28,814	450,363
Maxar Technologies, Inc.	16,475	295,891
Moog, Inc., Class A	8,067	427,390
National Presto Industries, Inc.	1,353	118,239
PAE, Inc. (A)	16,288	155,713
Park Aerospace Corp.	5,633	62,752
Parsons Corp. (A)	5,988	217,005
Triumph Group, Inc.	14,329	129,104
Vectrus, Inc. (A)	3,120	153,286
		4,045,329
Air freight and logistics – 0.3%		
Air Transport Services Group, Inc. (A)	16,063	357,723
Atlas Air Worldwide Holdings, Inc. (A)	7,045	303,146
Echo Global Logistics, Inc. (A)	7,290	157,610
Forward Air Corp.	7,658	381,522
Hub Group, Inc., Class A (A)	8,952	428,443
Radiant Logistics, Inc. (A)	12,763	50,159
		1,678,603
Airlines – 0.3%		
Allegiant Travel Company	3,605	393,702
Hawaiian Holdings, Inc.	12,926	181,481
SkyWest, Inc.	13,550	442,001
Spirit Airlines, Inc. (A)(B)	23,756	422,857
		1,440,041
Building products – 1.5%		
AAON, Inc.	11,096	602,402
Advanced Drainage Systems, Inc.	13,423	663,096
Alpha Pro Tech, Ltd. (A)	3,463	61,295
American Woodmark Corp. (A)	4,635	350,638
Apogee Enterprises, Inc.	7,135	164,390
Builders FirstSource, Inc. (A)	31,499	652,029
Caesarstone, Ltd.	6,556	77,689
Cornerstone Building Brands, Inc. (A)	12,786	77,483
CSW Industrials, Inc.	3,742	258,610
Gibraltar Industries, Inc. (A)	8,919	428,201
Griffon Corp.	10,068	186,459
Insteel Industries, Inc.	5,311	101,281
JELD-WEN Holding, Inc. (A)	18,716	301,515
Masonite International Corp. (A)	6,655	517,626
Patrick Industries, Inc.	6,099	373,564
PGT Innovations, Inc. (A)	15,933	249,829
Quanex Building Products Corp.	9,404	130,528
Resideo Technologies, Inc. (A)	33,784	395,948
Simpson Manufacturing Company, Inc.	11,743	990,639
UFP Industries, Inc.	16,183	801,220
		7,384,442

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies – 2.2%		
ABM Industries, Inc.	18,205	\$ 660,842
ACCO Brands Corp.	25,428	180,539
Advanced Disposal Services, Inc. (A)	19,739	595,526
Brady Corp., Class A	13,050	611,001
BrightView Holdings, Inc. (A)	8,733	97,810
Casella Waste Systems, Inc., Class A (A)	12,476	650,249
CECO Environmental Corp. (A)	9,760	64,318
Cimpress PLC (A)	4,853	370,478
Covanta Holding Corp.	32,470	311,387
Deluxe Corp.	11,532	271,463
Ennis, Inc.	7,539	136,757
Harsco Corp. (A)	21,475	290,127
Healthcare Services Group, Inc.	20,364	498,103
Heritage-Crystal Clean, Inc. (A)	4,523	78,972
Herman Miller, Inc.	16,080	379,649
HNI Corp.	11,642	355,896
Interface, Inc.	16,051	130,655
KAR Auction Services, Inc.	35,112	483,141
Kimball International, Inc., Class B	10,460	120,918
Knoll, Inc.	13,924	169,734
Matthews International Corp., Class A	8,412	160,669
McGrath RentCorp	6,587	355,764
Mobile Mini, Inc.	12,020	354,590
PICO Holdings, Inc. (A)	6,463	54,483
Pitney Bowes, Inc.	47,956	124,686
SP Plus Corp. (A)	6,435	133,269
Steelcase, Inc., Class A	23,567	284,218
Team, Inc. (A)	9,159	51,016
Tetra Tech, Inc.	14,540	1,150,405
The Brink's Company	13,687	622,895
UniFirst Corp.	4,069	728,148
US Ecology, Inc.	8,522	288,725
Viad Corp.	5,664	107,729
VSE Corp.	2,597	81,520
		10,955,682
Construction and engineering – 1.2%		
Aegion Corp. (A)	8,535	135,450
Ameresco, Inc., Class A (A)	6,723	186,765
API Group Corp. (A)(D)	37,619	457,071
Arcosa, Inc.	13,135	554,297
Argan, Inc.	4,039	191,368
Comfort Systems USA, Inc.	9,815	399,961
Construction Partners, Inc., Class A (A)	5,239	93,045
Dycor Industries, Inc. (A)	8,384	342,822
EMCOR Group, Inc.	14,687	971,398
Fluor Corp.	38,461	464,609
Granite Construction, Inc. (B)	12,956	247,978
Great Lakes Dredge & Dock Corp. (A)	17,583	162,819
HC2 Holdings, Inc. (A)	13,072	43,660
IES Holdings, Inc. (A)	2,372	54,959
MasTec, Inc. (A)	15,351	688,799
MYR Group, Inc. (A)	4,531	144,584
Northwest Pipe Company (A)	2,921	73,229
NV5 Global, Inc. (A)	2,943	149,593
Primoris Services Corp.	13,152	233,580
Sterling Construction Company, Inc. (A)	8,002	83,781
Tutor Perini Corp. (A)	11,306	137,707
WillScot Corp. (A)	14,998	184,325
		6,001,800
Electrical equipment – 0.9%		
Allied Motion Technologies, Inc.	2,178	76,883
American Superconductor Corp. (A)(B)	7,064	57,430
Atkore International Group, Inc. (A)	12,882	352,323
AZZ, Inc.	7,137	244,942
Bloom Energy Corp., Class A (A)(B)	23,428	254,897

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Encore Wire Corp.	5,537	\$ 270,316
EnerSys	11,474	738,696
FuelCell Energy, Inc. (A)	58,752	132,780
LSI Industries, Inc.	7,886	51,022
Plug Power, Inc. (A)(B)	88,060	722,973
Powell Industries, Inc.	2,595	71,077
Preformed Line Products Company	976	48,810
Sunrun, Inc. (A)	31,599	623,132
Thermon Group Holdings, Inc. (A)	9,224	134,394
TPI Composites, Inc. (A)	8,363	195,443
Vicor Corp. (A)	4,843	348,454
Vivint Solar, Inc. (A)(B)	13,623	134,868
		4,458,440
Industrial conglomerates – 0.0%		
Raven Industries, Inc.	9,790	210,583
Machinery – 3.5%		
Alamo Group, Inc.	2,648	271,791
Albany International Corp., Class A	8,311	487,939
Altra Industrial Motion Corp.	17,548	559,079
Astec Industries, Inc.	6,137	284,204
Barnes Group, Inc.	12,738	503,915
Blue Bird Corp. (A)	4,420	66,256
Chart Industries, Inc. (A)	9,881	479,130
CIRCOR International, Inc. (A)	5,623	143,274
Columbus McKinnon Corp.	6,418	214,682
Douglas Dynamics, Inc.	6,145	215,812
Energy Recovery, Inc. (A)	10,636	80,780
Enerpac Tool Group Corp.	14,682	258,403
EnPro Industries, Inc.	5,617	276,862
ESCO Technologies, Inc.	6,898	583,088
Evoqua Water Technologies Corp. (A)	23,412	435,463
Federal Signal Corp.	16,113	479,039
Franklin Electric Company, Inc.	12,439	653,296
Gencor Industries, Inc. (A)	3,190	40,322
Graham Corp.	3,392	43,214
Helios Technologies, Inc.	8,038	299,416
Hillenbrand, Inc.	20,132	544,973
Hurco Companies, Inc.	2,070	57,898
Hyster-Yale Materials Handling, Inc.	2,795	108,055
John Bean Technologies Corp.	8,493	730,568
Kadant, Inc.	3,042	303,166
Kennametal, Inc.	22,580	648,272
LB Foster Company, Class A (A)	3,313	42,307
Lindsay Corp.	2,892	266,671
Luxfer Holdings PLC	8,173	115,648
Lydall, Inc. (A)	5,166	70,051
Meritor, Inc. (A)	18,745	371,151
Miller Industries, Inc.	3,134	93,299
Mueller Industries, Inc.	15,316	407,099
Mueller Water Products, Inc., Class A	42,530	401,058
Navistar International Corp. (A)	13,585	383,097
NN, Inc.	12,689	60,146
Omega Flex, Inc.	784	82,947
Park-Ohio Holdings Corp.	2,734	45,357
Proto Labs, Inc. (A)	7,244	814,733
RBC Bearings, Inc. (A)	6,680	895,387
REV Group, Inc.	8,083	49,306
Rexnord Corp.	28,710	836,897
SPX Corp. (A)	11,657	479,686
SPX FLOW, Inc. (A)	11,620	435,053
Standex International Corp.	3,344	192,447
Tennant Company	4,889	317,834
Terex Corp.	18,313	343,735
The Gorman-Rupp Company	4,746	147,506
The Greenbrier Companies, Inc.	8,869	201,770

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
The Manitowoc Company, Inc. (A)	9,694	\$ 105,471
The Shyft Group, Inc.	9,299	156,595
TriMas Corp. (A)	11,677	279,664
Wabash National Corp.	14,466	153,629
Watts Water Technologies, Inc., Class A	7,353	595,593
Welbilt, Inc. (A)	35,968	219,045
		17,332,079
Marine – 0.1%		
Costamare, Inc.	13,644	75,861
Genco Shipping & Trading, Ltd.	5,598	35,155
Matson, Inc.	11,763	342,303
		453,319
Professional services – 1.3%		
Acacia Research Corp. (A)	15,531	63,522
ASGN, Inc. (A)	13,816	921,251
Barrett Business Services, Inc.	2,106	111,892
CBIZ, Inc. (A)	13,691	328,173
CRA International, Inc.	2,209	87,256
Exponent, Inc.	13,909	1,125,655
Forrester Research, Inc. (A)	3,139	100,574
Franklin Covey Company (A)	3,674	78,624
GP Strategies Corp. (A)	4,547	39,013
Heidrick & Struggles International, Inc.	5,342	115,494
Huron Consulting Group, Inc. (A)	6,168	272,934
ICF International, Inc.	4,976	322,594
Insperty, Inc.	9,865	638,561
Kelly Services, Inc., Class A	9,321	147,412
Kforce, Inc.	5,427	158,740
Korn Ferry	14,952	459,475
Red Violet, Inc. (A)	2,142	37,785
Resources Connection, Inc.	8,795	105,276
TriNet Group, Inc. (A)	11,201	682,589
TrueBlue, Inc. (A)	9,891	151,036
Upwork, Inc. (A)	25,394	366,689
Willdan Group, Inc. (A)	3,052	76,331
		6,390,876
Road and rail – 0.6%		
ArcBest Corp.	7,001	185,597
Avis Budget Group, Inc. (A)	14,412	329,891
Covenant Transportation Group, Inc., Class A (A)	4,047	58,398
Daseke, Inc. (A)	14,155	55,629
Heartland Express, Inc.	12,516	260,583
Hertz Global Holdings, Inc. (A)(B)	25,943	36,580
Marten Transport, Ltd.	10,963	275,829
Saia, Inc. (A)	7,144	794,270
U.S. Xpress Enterprises, Inc., Class A (A)	7,400	44,400
Universal Logistics Holdings, Inc.	2,404	41,782
Werner Enterprises, Inc.	16,463	716,634
		2,799,593
Trading companies and distributors – 1.3%		
Alta Equipment Group, Inc. (A)	5,365	41,686
Applied Industrial Technologies, Inc.	10,512	655,844
Beacon Roofing Supply, Inc. (A)	14,980	395,023
BMC Stock Holdings, Inc. (A)	18,355	461,445
CAI International, Inc. (A)	4,624	77,036
DXP Enterprises, Inc. (A)	4,729	94,154
Foundation Building Materials, Inc. (A)	5,773	90,117
GATX Corp.	9,409	573,761
GMS, Inc. (A)	11,332	278,654
H&E Equipment Services, Inc.	8,830	163,178
Herc Holdings, Inc. (A)	6,675	205,123
Kaman Corp.	7,527	313,123
Lawson Products, Inc. (A)	1,400	45,164

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
MRC Global, Inc. (A)	22,075	\$ 130,463
NOW, Inc. (A)	30,327	261,722
Rush Enterprises, Inc., Class A	6,567	272,268
Rush Enterprises, Inc., Class B	2,041	72,782
SiteOne Landscape Supply, Inc. (A)	11,316	1,289,685
Systemax, Inc.	3,468	71,233
Textainer Group Holdings, Ltd. (A)	14,589	119,338
Titan Machinery, Inc. (A)	5,722	62,141
Transcat, Inc. (A)	2,379	61,521
Triton International, Ltd.	13,818	417,856
Veritiv Corp. (A)	3,869	65,618
WESCO International, Inc. (A)	11,325	397,624
		6,616,559
		69,767,346
Information technology – 13.4%		
Communications equipment – 0.9%		
Acacia Communications, Inc. (A)	10,512	706,301
ADTRAN, Inc.	13,333	145,730
Applied Optoelectronics, Inc. (A)	5,688	61,829
CalAmp Corp. (A)	9,769	78,250
Calix, Inc. (A)	13,255	197,500
Casa Systems, Inc. (A)	9,401	39,108
Clearfield, Inc. (A)	3,483	48,623
Comtech Telecommunications Corp.	6,717	113,450
Digi International, Inc. (A)	8,237	95,961
Extreme Networks, Inc. (A)	32,563	141,323
Genasys, Inc. (A)	10,174	49,446
Harmonic, Inc. (A)	26,323	125,034
Infinera Corp. (A)	42,670	252,606
Inseego Corp. (A)(B)	18,545	215,122
InterDigital, Inc.	8,390	475,126
KVH Industries, Inc. (A)	5,550	49,562
NETGEAR, Inc. (A)	7,981	206,628
NetScout Systems, Inc. (A)	19,258	492,234
PCTEL, Inc. (A)	5,861	39,151
Plantronics, Inc. (B)	9,329	136,950
Resonant, Inc. (A)	15,182	35,374
Ribbon Communications, Inc. (A)	19,292	75,818
Viavi Solutions, Inc. (A)	61,934	789,039
		4,570,165
Electronic equipment, instruments and components – 2.2%		
Akoustis Technologies, Inc. (A)(B)	8,844	73,317
Arlo Technologies, Inc. (A)	23,127	59,668
Badger Meter, Inc.	7,865	494,866
Belden, Inc.	11,985	390,112
Benchmark Electronics, Inc.	9,792	211,507
CTS Corp.	8,637	173,085
Daktronics, Inc.	12,235	53,222
ePlus, Inc. (A)	3,632	256,710
Fabrinet (A)	9,891	617,396
FARO Technologies, Inc. (A)	4,823	258,513
Fitbit, Inc., Class A (A)	64,987	419,816
II-VI, Inc. (A)(B)	24,442	1,154,151
Insight Enterprises, Inc. (A)	9,427	463,808
Intelligence, Inc. (A)	4,901	37,003
Iteris, Inc. (A)	13,004	61,834
Itron, Inc. (A)	10,903	722,324
Kimball Electronics, Inc. (A)	6,838	92,587
Knowles Corp. (A)	24,026	366,637
Luna Innovations, Inc. (A)	8,775	51,246
Methode Electronics, Inc.	9,687	302,816
MTS Systems Corp.	5,421	95,355
Napco Security Technologies, Inc. (A)	3,294	77,047
nLight, Inc. (A)	9,459	210,557

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Novanta, Inc. (A)	9,269	\$ 989,651
OSI Systems, Inc. (A)	4,600	343,344
PAR Technology Corp. (A)	4,466	133,667
PC Connection, Inc.	2,951	136,808
Plexus Corp. (A)	7,736	545,852
Powerfleet, Inc. (A)	8,725	40,310
Research Frontiers, Inc. (A)	8,490	34,469
Rogers Corp. (A)	5,055	629,853
Sanmina Corp. (A)	18,134	454,075
ScanSource, Inc. (A)	7,027	169,280
TTM Technologies, Inc. (A)	26,905	319,093
Vishay Intertechnology, Inc.	35,854	547,491
Vishay Precision Group, Inc. (A)	3,583	88,070
Wrap Technologies, Inc. (A)	3,826	40,096
		11,115,636
IT services – 2.0%		
Brightcove, Inc. (A)	11,680	92,038
Cardtronics PLC, Class A (A)	9,914	237,738
Cass Information Systems, Inc.	3,973	155,066
Conduent, Inc. (A)	46,097	110,172
CSG Systems International, Inc.	8,878	367,460
Endurance International Group Holdings, Inc. (A)	18,879	76,082
EVERTEC, Inc.	16,359	459,688
Evo Payments, Inc., Class A (A)	11,198	255,650
ExlService Holdings, Inc. (A)	9,141	579,539
GreenSky, Inc., Class A (A)	17,670	86,583
Grid Dynamics Holdings, Inc. (A)	6,616	45,650
GTT Communications, Inc. (A)	9,101	74,264
I3 Verticals, Inc., Class A (A)	4,150	125,538
International Money Express, Inc. (A)	3,837	47,809
KBR, Inc.	38,676	872,144
Limelight Networks, Inc. (A)	31,861	234,497
LiveRamp Holdings, Inc. (A)	17,841	757,707
ManTech International Corp., Class A	7,335	502,374
MAXIMUS, Inc.	16,525	1,164,186
MoneyGram International, Inc. (A)	18,301	58,746
NIC, Inc.	17,879	410,502
Paysign, Inc. (A)	8,656	84,050
Perficient, Inc. (A)	8,851	316,689
Perspecta, Inc.	37,891	880,208
Repay Holdings Corp. (A)	10,019	246,768
ServiceSource International, Inc. (A)	27,371	43,246
Sykes Enterprises, Inc. (A)	10,554	291,924
The Hackett Group, Inc.	7,167	97,041
TTEC Holdings, Inc.	4,945	230,239
Tucows, Inc., Class A (A)	2,573	147,484
Unisys Corp. (A)	16,881	184,172
Verra Mobility Corp. (A)	36,619	376,443
Virtusa Corp. (A)	7,873	255,636
		9,867,333
Semiconductors and semiconductor equipment – 2.7%		
Advanced Energy Industries, Inc. (A)	10,293	697,762
Alpha & Omega Semiconductor, Ltd. (A)	5,840	63,539
Ambarella, Inc. (A)	8,963	410,505
Amkor Technology, Inc. (A)	26,989	332,235
Atomera, Inc. (A)	4,372	39,348
Axcelis Technologies, Inc. (A)	8,838	246,138
AXT, Inc. (A)	11,517	54,821
Brooks Automation, Inc.	19,732	872,944
Cabot Microelectronics Corp.	7,866	1,097,622
CEVA, Inc. (A)	5,978	223,697
Cohu, Inc.	11,277	195,543
CyberOptics Corp. (A)	2,030	65,386

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Diodes, Inc. (A)	11,460	\$ 581,022
DSP Group, Inc. (A)	6,161	97,837
FormFactor, Inc. (A)	20,693	606,926
GSI Technology, Inc. (A)	5,463	39,224
Ichor Holdings, Ltd. (A)	6,039	160,517
Impinj, Inc. (A)	4,634	127,296
Lattice Semiconductor Corp. (A)	36,481	1,035,696
MACOM Technology Solutions Holdings, Inc. (A)(B)	12,796	439,543
MaxLinear, Inc. (A)	18,247	391,581
NeoPhotonics Corp. (A)	13,240	117,571
NVE Corp.	1,383	85,511
Onto Innovation, Inc. (A)	12,885	438,605
PDF Solutions, Inc. (A)	8,050	157,458
Photonics, Inc. (A)	17,014	189,366
Pixelworks, Inc. (A)	11,805	38,130
Power Integrations, Inc.	7,954	939,606
Rambus, Inc. (A)	30,808	468,282
Semtech Corp. (A)	17,499	913,798
Silicon Laboratories, Inc. (A)	11,732	1,176,368
SiTime Corp. (A)	1,421	67,370
SMART Global Holdings, Inc. (A)	3,807	103,474
SunPower Corp. (A)(B)	21,051	161,251
Synaptics, Inc. (A)	9,195	552,803
Ultra Clean Holdings, Inc. (A)	10,733	242,888
Veeco Instruments, Inc. (A)	13,451	181,454
		13,613,117
Software – 5.4%		
8x8, Inc. (A)(B)	27,764	444,224
A10 Networks, Inc. (A)	17,340	118,085
ACI Worldwide, Inc. (A)	31,095	839,254
Agilysys, Inc. (A)	5,232	93,862
Alarm.com Holdings, Inc. (A)	12,312	797,941
Altair Engineering, Inc., Class A (A)	11,476	456,171
American Software, Inc., Class A	8,342	131,470
Appfolio, Inc., Class A (A)	4,348	707,463
Appian Corp. (A)	8,936	457,970
Avaya Holdings Corp. (A)	25,443	314,475
Benefitfocus, Inc. (A)	8,306	89,373
Blackbaud, Inc.	13,432	766,699
Blackline, Inc. (A)	13,627	1,129,815
Bottomline Technologies DE, Inc. (A)	11,791	598,629
Box, Inc., Class A (A)	40,071	831,874
Cerence, Inc. (A)	9,982	407,665
ChannelAdvisor Corp. (A)	7,667	121,445
Cloudera, Inc. (A)(B)	55,725	708,822
CommVault Systems, Inc. (A)	11,378	440,329
Cornerstone OnDemand, Inc. (A)	16,498	636,163
Digimarc Corp. (A)(B)	3,608	57,692
Digital Turbine, Inc. (A)	22,635	284,522
Domo, Inc., Class B (A)	7,007	225,415
Ebix, Inc.	7,312	163,496
eGain Corp. (A)	6,192	68,793
Envestnet, Inc. (A)	14,419	1,060,373
ForeScout Technologies, Inc. (A)	13,147	278,716
GlobalSCAPE, Inc.	4,427	43,163
GTY Technology Holdings, Inc. (A)(B)	13,794	57,452
Intelligent Systems Corp. (A)	2,065	70,375
j2 Global, Inc. (A)	12,525	791,705
LivePerson, Inc. (A)(B)	16,590	687,324
MicroStrategy, Inc., Class A (A)	2,098	248,172
Mimecast, Ltd. (A)	15,345	639,273
Mitek Systems, Inc. (A)	11,260	108,209
MobileIron, Inc. (A)	27,066	133,435
Model N, Inc. (A)	9,250	321,530

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
OneSpan, Inc. (A)	9,116	\$ 254,610
Ping Identity Holding Corp. (A)(B)	4,349	139,559
Progress Software Corp.	12,198	472,673
PROS Holdings, Inc. (A)	10,727	476,601
Q2 Holdings, Inc. (A)(B)	13,462	1,154,905
QAD, Inc., Class A	3,206	132,344
Qualys, Inc. (A)	9,219	958,960
Rapid7, Inc. (A)	13,704	699,178
Rosetta Stone, Inc. (A)	6,648	112,085
SailPoint Technologies Holdings, Inc. (A)	23,961	634,248
Sapiens International Corp. NV	6,955	194,601
ShotSpotter, Inc. (A)	2,365	59,598
Smith Micro Software, Inc. (A)	10,011	44,649
Sprout Social, Inc., Class A (A)	2,225	60,075
SPS Commerce, Inc. (A)	9,547	717,171
SVMK, Inc. (A)	32,467	764,273
Synchronoss Technologies, Inc. (A)	12,349	43,592
Telenav, Inc. (A)	10,107	55,487
Tenable Holdings, Inc. (A)	16,593	494,637
Upland Software, Inc. (A)	6,245	217,076
Varonis Systems, Inc. (A)	8,476	749,956
Verint Systems, Inc. (A)	17,381	785,274
Veritone, Inc. (A)	6,414	95,312
VirnetX Holding Corp. (B)	17,532	113,958
Workiva, Inc. (A)	10,477	560,415
Xperi Holding Corp.	29,112	429,693
Yext, Inc. (A)	27,615	458,685
Zix Corp. (A)	15,446	106,577
Zuora, Inc., Class A (A)	26,790	341,573
		26,659,139
Technology hardware, storage and peripherals – 0.2%		
3D Systems Corp. (A)(B)	31,576	220,716
Avid Technology, Inc. (A)	9,051	65,801
Diebold Nixdorf, Inc. (A)(B)	19,615	118,867
Immersion Corp. (A)	6,160	38,377
Intevac, Inc. (A)	7,571	41,338
Quantum Corp. (A)	8,865	34,219
Super Micro Computer, Inc. (A)	12,098	343,462
		862,780
		66,688,170
Materials – 3.9%		
Chemicals – 1.6%		
AdvanSix, Inc. (A)	7,798	91,549
American Vanguard Corp.	8,128	111,841
Amyris, Inc. (A)(B)	19,811	84,593
Balchem Corp.	8,765	831,448
Chase Corp.	2,000	205,000
Ferro Corp. (A)	22,259	265,772
FutureFuel Corp.	7,180	85,801
GCP Applied Technologies, Inc. (A)	13,397	248,916
Hawkins, Inc.	2,715	115,605
HB Fuller Company	13,945	621,947
Ingevity Corp. (A)	11,304	594,251
Innospec, Inc.	6,641	513,017
Koppers Holdings, Inc. (A)	5,766	108,631
Kraton Corp. (A)	8,543	147,623
Kronos Worldwide, Inc.	6,311	65,698
Livent Corp. (A)	40,261	248,008
Minerals Technologies, Inc.	9,269	434,994
Orion Engineered Carbons SA	16,603	175,826
PolyOne Corp.	24,814	650,871
PQ Group Holdings, Inc. (A)	10,520	139,285
Quaker Chemical Corp. (B)	3,597	667,783
Rayonier Advanced Materials, Inc.	18,617	52,314

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Sensient Technologies Corp.	11,459	\$ 597,701
Stepan Company	5,806	563,763
Treco Resources (A)	8,191	51,358
Tredegar Corp.	7,334	112,944
Trinseo SA	10,496	232,591
Tronox Holdings PLC, Class A	24,693	178,283
		8,197,413
Construction materials – 0.2%		
Forterra, Inc. (A)	5,490	61,268
Summit Materials, Inc., Class A (A)	32,118	516,457
U.S. Concrete, Inc. (A)	4,527	112,270
United States Lime & Minerals, Inc.	634	53,535
		743,530
Containers and packaging – 0.2%		
Greif, Inc., Class A	6,716	231,098
Greif, Inc., Class B	1,708	71,446
Myers Industries, Inc.	10,123	147,290
O-I Glass, Inc.	42,879	385,053
Ranpak Holdings Corp. (A)	8,443	62,816
UFP Technologies, Inc. (A)	2,015	88,781
		986,484
Metals and mining – 1.4%		
1911 Gold Corp. (A)	5,045	1,741
Alcoa Corp. (A)	51,137	574,780
Allegheny Technologies, Inc. (A)	34,645	353,033
Arconic Corp. (A)	27,101	377,517
Caledonia Mining Corp. PLC	3,367	58,316
Carpenter Technology Corp.	13,023	316,198
Century Aluminum Company (A)	14,172	101,046
Cleveland-Cliffs, Inc. (B)	107,628	594,107
Coeur Mining, Inc. (A)	66,339	337,002
Commercial Metals Company	32,143	655,717
Compass Minerals International, Inc.	9,274	452,108
Gold Resource Corp.	18,929	77,798
Haynes International, Inc.	3,720	86,899
Hecla Mining Company	142,060	464,536
Kaiser Aluminum Corp.	4,330	318,775
Materion Corp.	5,572	342,622
Novagold Resources, Inc. (A)	64,111	588,539
Schnitzer Steel Industries, Inc., Class A	7,229	127,520
SunCoke Energy, Inc.	24,374	72,147
TimkenSteel Corp. (A)	13,585	52,846
United States Steel Corp.	46,493	335,679
Warrior Met Coal, Inc.	13,937	214,490
Worthington Industries, Inc.	10,067	375,499
		6,878,915
Paper and forest products – 0.5%		
Boise Cascade Company	10,585	398,102
Clearwater Paper Corp. (A)	4,473	161,609
Domtar Corp.	14,922	315,003
Louisiana-Pacific Corp.	30,549	783,582
Neenah, Inc.	4,598	227,417
P.H. Glatfelter Company	12,204	195,874
Schweitzer-Mauduit International, Inc.	8,433	281,747
Verso Corp., Class A	9,663	115,569
		2,478,903
		19,285,245
Real estate – 6.8%		
Equity real estate investment trusts – 6.1%		
Acadia Realty Trust	23,262	301,941
Agree Realty Corp. (B)	14,253	936,565
Alexander & Baldwin, Inc.	20,053	244,446
Alexander's, Inc.	578	139,240

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Alpine Income Property Trust, Inc.	2,302	\$ 37,431
American Assets Trust, Inc.	13,681	380,879
American Finance Trust, Inc.	29,679	235,503
Armada Hoffer Properties, Inc.	15,510	154,325
Bluerock Residential Growth REIT, Inc.	7,411	59,881
BRT Apartments Corp.	3,752	40,597
CareTrust REIT, Inc.	26,039	446,829
CatchMark Timber Trust, Inc., Class A	14,291	126,475
Chatham Lodging Trust	13,793	84,413
City Office REIT, Inc.	13,023	131,011
Clipper Realty, Inc.	4,777	38,694
Colony Capital, Inc.	133,187	319,649
Columbia Property Trust, Inc.	31,090	408,523
Community Healthcare Trust, Inc.	5,706	233,375
CoreCivic, Inc.	32,394	303,208
CorEnergy Infrastructure Trust, Inc.	4,314	39,473
CorePoint Lodging, Inc.	12,807	53,917
DiamondRock Hospitality Company	54,883	303,503
Diversified Healthcare Trust	65,023	287,727
Easterly Government Properties, Inc.	20,256	468,319
EastGroup Properties, Inc.	10,374	1,230,460
Essential Properties Realty Trust, Inc.	24,869	369,056
Farmland Partners, Inc. (B)	8,080	55,348
Four Corners Property Trust, Inc.	19,111	466,308
Franklin Street Properties Corp.	28,982	147,518
Front Yard Residential Corp.	13,985	121,670
Getty Realty Corp.	9,000	267,120
Gladstone Commercial Corp.	9,331	174,956
Gladstone Land Corp.	5,656	89,704
Global Medical REIT, Inc.	11,329	128,358
Global Net Lease, Inc.	24,533	410,437
Healthcare Realty Trust, Inc.	36,255	1,061,909
Hersha Hospitality Trust	10,397	59,887
Independence Realty Trust, Inc. (B)	25,453	292,455
Industrial Logistics Properties Trust	17,226	353,994
Innovative Industrial Properties, Inc. (B)	4,526	398,379
Investors Real Estate Trust	3,278	231,066
iStar, Inc. (B)	20,109	247,743
Jernigan Capital, Inc.	6,470	88,510
Kite Realty Group Trust	22,573	260,492
Lexington Realty Trust	68,835	726,209
LTC Properties, Inc.	10,477	394,669
Mack-Cali Realty Corp.	24,784	378,947
Monmouth Real Estate Investment Corp.	25,444	368,684
National Health Investors, Inc.	11,585	703,441
National Storage Affiliates Trust	16,685	478,192
New Senior Investment Group, Inc.	24,225	87,695
NexPoint Residential Trust, Inc.	5,876	207,717
Office Properties Income Trust	13,053	338,986
One Liberty Properties, Inc.	4,783	84,276
Pebblebrook Hotel Trust (B)	35,531	485,353
Physicians Realty Trust	54,624	957,012
Piedmont Office Realty Trust, Inc., Class A	34,010	564,906
Plymouth Industrial REIT, Inc.	4,789	61,299
PotlatchDeltic Corp.	17,741	674,690
Preferred Apartment Communities, Inc., Class A	13,757	104,553
PS Business Parks, Inc.	5,356	709,134
QTS Realty Trust, Inc., Class A (B)	16,196	1,038,002
Retail Opportunity Investments Corp.	31,329	354,958
Retail Properties of America, Inc., Class A	58,657	429,369
Retail Value, Inc.	4,897	60,527
RLJ Lodging Trust	44,897	423,828
RPT Realty	22,381	155,772

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Ryman Hospitality Properties, Inc.	13,783	\$ 476,892
Sabra Health Care REIT, Inc.	55,693	803,650
Safehold, Inc.	4,643	266,926
Saul Centers, Inc.	3,316	107,007
Seritage Growth Properties, Class A (A)(B)	9,589	109,315
Service Properties Trust	45,133	319,993
SITE Centers Corp.	42,047	340,581
STAG Industrial, Inc.	40,479	1,186,844
Summit Hotel Properties, Inc.	28,738	170,416
Sunstone Hotel Investors, Inc.	58,385	475,838
Tanger Factory Outlet Centers, Inc. (B)	24,921	177,687
Terreno Realty Corp.	17,907	942,624
The GEO Group, Inc.	31,830	376,549
The Macerich Company	38,622	346,439
UMH Properties, Inc.	10,452	135,144
Uniti Group, Inc.	52,656	492,334
Universal Health Realty Income Trust	3,507	278,771
Urban Edge Properties	31,644	375,614
Urstadt Biddle Properties, Inc., Class A	8,474	100,671
Washington Real Estate Investment Trust	22,342	495,992
Whitestone REIT	11,768	85,553
Xenia Hotels & Resorts, Inc.	31,239	291,460
		30,375,813
Real estate management and development – 0.7%		
CTO Realty Growth, Inc.	1,555	61,423
Cushman & Wakefield PLC (A)(B)	30,113	375,208
eXp World Holdings, Inc. (A)	6,666	113,655
Forestar Group, Inc. (A)	4,816	72,625
FRP Holdings, Inc. (A)	1,996	80,998
Griffin Industrial Realty, Inc.	971	52,599
Kennedy-Wilson Holdings, Inc.	33,109	503,919
Marcus & Millichap, Inc. (A)	6,228	179,740
Newmark Group, Inc., Class A	39,145	190,245
Rafael Holdings, Inc., Class B (A)	2,934	42,162
RE/MAX Holdings, Inc., Class A	4,897	153,913
Realogy Holdings Corp.	31,545	233,748
Redfin Corp. (A)(B)	26,109	1,094,228
Tejon Ranch Company (A)	6,116	88,070
The RMR Group, Inc., Class A	4,277	126,043
The St. Joe Company (A)	8,934	173,498
		3,542,074
		33,917,887
Utilities – 3.5%		
Electric utilities – 0.9%		
ALLETE, Inc.	14,076	768,690
El Paso Electric Company	10,913	731,171
MGE Energy, Inc.	9,560	616,716
Otter Tail Corp.	10,993	426,418
PNM Resources, Inc.	21,556	828,613
Portland General Electric Company	24,249	1,013,851
		4,385,459
Gas utilities – 1.2%		
Brookfield Infrastructure Corp., Class A	8,696	396,016
Chesapeake Utilities Corp.	4,414	370,776
New Jersey Resources Corp.	25,806	842,566
Northwest Natural Holding Company	8,260	460,825
ONE Gas, Inc.	14,083	1,085,095
RGC Resources, Inc.	2,445	59,096
South Jersey Industries, Inc.	25,158	628,698
Southwest Gas Holdings, Inc.	14,885	1,027,809
Spire, Inc.	13,434	882,748
		5,753,629

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Independent power and renewable electricity producers – 0.4%		
Atlantic Power Corp. (A)	31,940	\$ 63,880
Clearway Energy, Inc., Class A	9,264	194,266
Clearway Energy, Inc., Class C	21,901	505,037
Ormat Technologies, Inc.	10,742	682,010
Sunnova Energy International, Inc. (A)	8,951	152,794
TerraForm Power, Inc., Class A	23,794	438,761
		2,036,748
Multi-utilities – 0.5%		
Avista Corp.	18,233	663,499
Black Hills Corp.	16,959	960,897
NorthWestern Corp.	13,671	745,343
Unitil Corp.	4,060	181,969
		2,551,708
Water utilities – 0.5%		
American States Water Company	9,889	777,572
Artesian Resources Corp., Class A	2,616	94,935
Cadiz, Inc. (A)	6,103	62,006
California Water Service Group	13,192	629,258
Consolidated Water Company, Ltd.	5,108	73,708
Global Water Resources, Inc.	4,840	51,014
Middlesex Water Company	4,568	306,878
Pure Cycle Corp. (A)	7,100	65,249
SJW Group	7,186	446,322
The York Water Company	3,714	178,123
		2,685,065
		17,412,609
TOTAL COMMON STOCKS (Cost \$448,721,961)		\$ 480,486,540
PREFERRED SECURITIES – 0.0%		
Communication services – 0.0%		
Media – 0.0%		
GCI Liberty, Inc., 7.000%	1,451	38,031
Consumer discretionary – 0.0%		
Internet and direct marketing retail – 0.0%		
Overstock.com, Inc., 1.020%	769	12,304
Industrials – 0.0%		
Trading companies and distributors – 0.0%		
WESCO International, Inc. (10.625% to 6-22-25, then 5 Year CMT + 10.325%)	5,179	137,344
TOTAL PREFERRED SECURITIES (Cost \$140,036)		\$ 187,679
RIGHTS – 0.0%		
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(E)		
	88,114	60,446
TOTAL RIGHTS (Cost \$26,845)		\$ 60,446
SHORT-TERM INVESTMENTS – 10.0%		
U.S. Government Agency – 2.0%		
Federal Home Loan Bank Discount Note 0.115%, 08/11/2020 *	\$ 10,000,000	9,998,292
Short-term funds – 6.7%		
John Hancock Collateral Trust, 0.2429% (F)(G)	3,336,620	33,403,906

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 1.3%		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$6,224,000 on 7-1-20, collateralized by \$5,904,100 U.S. Treasury Inflation Indexed Notes, 0.625% due 4-15-23 (valued at \$6,348,486)	\$ 6,224,000	\$ 6,224,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$49,627,545)		\$ 49,626,198
Total Investments (Small Cap Index Trust) (Cost \$498,516,387) – 106.4%		\$ 530,360,863
Other assets and liabilities, net – (6.4%)		(31,929,354)
TOTAL NET ASSETS – 100.0%		\$ 498,431,509

Security Abbreviations and Legend

CMT Constant Maturity Treasury

Small Cap Index Trust (continued)

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 6-30-20.
 (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 6-30-20.
 (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.
 * Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	262	Long	Sep 2020	\$17,902,099	\$18,832,560	\$930,461
						\$930,461

[^] 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 – 2.2%		
Diversified telecommunication services – 0.3%		
ATN International, Inc.	1,524	\$ 92,309
Cincinnati Bell, Inc. (A)	1,172	17,404
Consolidated Communications Holdings, Inc. (A)	4,985	33,748
Iridium Communications, Inc. (A)(B)	5,838	148,519
Liberty Latin America, Ltd., Class A (A)	2,622	25,486
Liberty Latin America, Ltd., Class C (A)	6,493	61,294
		378,760
Entertainment – 0.2%		
AMC Entertainment Holdings, Inc., Class A (B)	4,473	19,189
Ballantyne Strong, Inc. (A)	1,114	1,827
Cinemark Holdings, Inc.	2,518	29,083
IMAX Corp. (A)	2,820	31,612
Lions Gate Entertainment Corp., Class A (A)	4,062	30,099
Lions Gate Entertainment Corp., Class B (A)	5,798	39,600
Reading International, Inc., Class A (A)	1,100	4,675
The Marcus Corp.	2,916	38,695
		194,780
Interactive media and services – 0.1%		
Cars.com, Inc. (A)	6,379	36,743
DHI Group, Inc. (A)	5,212	10,945
Liberty TripAdvisor Holdings, Inc., Class A (A)	4,522	9,632

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services (continued)		
The Meet Group, Inc. (A)	2,642	\$ 16,486
TripAdvisor, Inc.	3,648	69,348
Yelp, Inc. (A)	535	12,375
		155,529
Media – 1.3%		
A.H. Belo Corp., Class A	4,238	7,332
AMC Networks, Inc., Class A (A)	876	20,490
Beasley Broadcast Group, Inc., Class A	502	1,220
Entercom Communications Corp., Class A	1,442	1,990
Entravision Communications Corp., Class A	5,075	7,257
Gannett Company, Inc.	7,195	9,929
Gray Television, Inc. (A)	7,792	108,698
Hemisphere Media Group, Inc. (A)	951	9,348
John Wiley & Sons, Inc., Class A	2,305	89,895
Media General, Inc. (A)(C)	292	28
Meredith Corp.	3,097	45,061
News Corp., Class A	20,691	245,395
News Corp., Class B	10,415	124,459
Nexstar Media Group, Inc., Class A	2,212	185,122
Scholastic Corp.	2,233	66,856
TEGNA, Inc.	8,626	96,094
The EW Scripps Company, Class A (B)	5,843	51,126
The Interpublic Group of Companies, Inc.	18,794	322,505
		1,392,805
Wireless telecommunication services – 0.3%		
Spok Holdings, Inc.	3,863	36,119

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Wireless telecommunication services (continued)		
Telephone & Data Systems, Inc.	8,489	\$ 168,761
United States Cellular Corp. (A)	3,059	94,431
		299,311
		2,421,185
Consumer discretionary – 14.5%		
Auto components – 2.5%		
Adient PLC (A)	4,046	66,435
American Axle & Manufacturing Holdings, Inc. (A)(B)	7,509	57,068
Autoliv, Inc.	2,735	176,435
BorgWarner, Inc. (B)	10,814	381,734
Cooper Tire & Rubber Company	4,326	119,441
Cooper-Standard Holdings, Inc. (A)	1,311	17,371
Dana, Inc.	6,999	85,318
Dorman Products, Inc. (A)	3,863	259,091
Fox Factory Holding Corp. (A)	8,955	739,773
Gentex Corp.	3,316	85,453
Gentherm, Inc. (A)	1,190	46,291
Horizon Global Corp. (A)	878	1,932
LCI Industries	173	19,892
Lear Corp.	2,935	319,974
Modine Manufacturing Company (A)	5,862	32,358
Motorcar Parts of America, Inc. (A)	1,585	28,007
Shiloh Industries, Inc. (A)	1,515	2,454
Standard Motor Products, Inc.	3,063	126,196
Stoneridge, Inc. (A)	1,672	34,544
Strattec Security Corp.	924	14,729
Superior Industries International, Inc.	1,742	2,961
The Goodyear Tire & Rubber Company	14,684	131,348
		2,748,805
Automobiles – 0.3%		
Harley-Davidson, Inc.	5,728	136,155
Thor Industries, Inc.	1,297	138,169
Winnebago Industries, Inc.	1,336	89,004
		363,328
Distributors – 0.6%		
Core-Mark Holding Company, Inc.	1,227	30,620
Pool Corp.	1,941	527,700
Weyco Group, Inc.	1,316	28,412
		586,732
Diversified consumer services – 1.2%		
Adtalem Global Education, Inc. (A)	4,502	140,237
American Public Education, Inc. (A)	1,450	42,920
Carriage Services, Inc.	1,797	32,562
Graham Holdings Company, Class B	347	118,906
Grand Canyon Education, Inc. (A)	8,314	752,666
Houghton Mifflin Harcourt Company (A)	5,833	10,558
K12, Inc. (A)	3,438	93,651
Laureate Education, Inc., Class A (A)	2,412	24,036
Lincoln Educational Services Corp. (A)	1,100	4,290
Perdoceo Education Corp. (A)(B)	3,146	50,116
Regis Corp. (A)	3,827	31,305
Universal Technical Institute, Inc. (A)	3,087	21,455
Zovio, Inc. (A)	3,463	10,597
		1,333,299
Hotels, restaurants and leisure – 1.4%		
Aramark	8,199	185,051
Ark Restaurants Corp.	64	794
BBX Capital Corp.	1,743	4,427
Biglari Holdings, Inc., Class A (A)	3	1,005
Biglari Holdings, Inc., Class B (A)	102	7,036
BJ's Restaurants, Inc.	585	12,250
Boyd Gaming Corp.	873	18,246

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Carrolls Restaurant Group, Inc. (A)	1,688	\$ 8,170
Churchill Downs, Inc.	3,332	443,656
Chuy's Holdings, Inc. (A)	19,281	286,901
Del Taco Restaurants, Inc. (A)	2,438	14,457
Dine Brands Global, Inc.	212	8,925
Dover Motorsports, Inc.	400	620
El Pollo Loco Holdings, Inc. (A)	2,613	38,568
Extended Stay America, Inc.	6,744	75,465
Fiesta Restaurant Group, Inc. (A)	1,348	8,600
International Game Technology PLC (B)	6,958	61,926
Marriott Vacations Worldwide Corp.	2,056	169,024
Monarch Casino & Resort, Inc. (A)	1,278	43,554
Norwegian Cruise Line Holdings, Ltd. (A)(B)	5,720	93,980
Playa Hotels & Resorts NV (A)	2,743	9,930
Potbelly Corp. (A)	2,073	4,726
Red Lion Hotels Corp. (A)	3,000	6,990
Red Robin Gourmet Burgers, Inc. (A)	1,300	13,260
The Cheesecake Factory, Inc.	548	12,560
		1,530,121
Household durables – 2.7%		
Bassett Furniture Industries, Inc.	2,333	17,148
Cavco Industries, Inc. (A)	606	116,867
Century Communities, Inc. (A)	1,640	50,282
Ethan Allen Interiors, Inc.	1,706	20,182
Flexsteel Industries, Inc.	1,750	22,103
Hooker Furniture Corp.	2,121	41,253
KB Home	6,043	185,399
La-Z-Boy, Inc. (B)	4,218	114,139
LGI Homes, Inc. (A)	932	82,044
Lifetime Brands, Inc.	2,931	19,696
M/I Homes, Inc. (A)	2,195	75,596
MDC Holdings, Inc. (B)	5,177	184,819
Meritage Homes Corp. (A)	3,432	261,244
Mohawk Industries, Inc. (A)	3,916	398,492
Skyline Champion Corp. (A)	1,424	34,660
Taylor Morrison Home Corp. (A)	7,422	143,170
The New Home Company, Inc. (A)	831	2,792
Toll Brothers, Inc.	12,316	401,378
TopBuild Corp. (A)(B)	1,928	219,349
TRI Pointe Group, Inc. (A)	12,178	178,895
Universal Electronics, Inc. (A)	521	24,393
VOXX International Corp. (A)	3,131	18,097
Whirlpool Corp. (B)	2,317	300,121
		2,912,119
Internet and direct marketing retail – 0.3%		
1-800-Flowers.com, Inc., Class A (A)(B)	3,234	64,745
Liquidity Services, Inc. (A)	1,691	10,078
Qurate Retail, Inc., Series A (A)(B)	20,519	194,931
The Rubicon Project, Inc. (A)	2,319	15,468
		285,222
Leisure products – 0.4%		
Acushnet Holdings Corp. (B)	1,908	66,379
Callaway Golf Company (B)	9,628	168,586
Escalade, Inc.	3,529	49,265
Johnson Outdoors, Inc., Class A (B)	1,067	97,118
Nautilus, Inc. (A)	1,580	14,647
Smith & Wesson Brands, Inc. (A)	859	18,486
Vista Outdoor, Inc. (A)	3,475	50,214
		464,695
Multiline retail – 0.8%		
Big Lots, Inc. (B)	1,719	72,198
Dillard's, Inc., Class A (B)	2,339	60,323
Kohl's Corp.	9,676	200,971

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multiline retail (continued)		
Macy's, Inc. (B)	15,246	\$ 104,892
Ollie's Bargain Outlet Holdings, Inc. (A)	4,076	398,021
		<hr/> 836,405
Specialty retail – 3.4%		
Aaron's, Inc.	2,898	131,569
Abercrombie & Fitch Company, Class A (B)	5,916	62,946
American Eagle Outfitters, Inc. (B)	7,348	80,093
America's Car-Mart, Inc. (A)(B)	820	72,053
Asbury Automotive Group, Inc. (A)	767	59,312
Ascena Retail Group, Inc. (A)(B)	589	860
At Home Group, Inc. (A)	448	2,908
AutoNation, Inc. (A)	6,612	248,479
Barnes & Noble Education, Inc. (A)	6,174	9,878
Bed Bath & Beyond, Inc. (B)	9,468	100,361
Big 5 Sporting Goods Corp.	2,004	3,888
Boot Barn Holdings, Inc. (A)(B)	2,280	49,157
Build-A-Bear Workshop, Inc. (A)	2,470	5,385
Caleres, Inc.	3,908	32,593
Chico's FAS, Inc.	9,163	12,645
Citi Trends, Inc.	1,533	30,997
Conn's, Inc. (A)	76	767
Designer Brands, Inc., Class A	5,177	35,048
Dick's Sporting Goods, Inc.	4,295	177,212
Express, Inc. (A)	3,676	5,661
Five Below, Inc. (A)	5,326	569,403
Foot Locker, Inc.	5,430	158,339
Francesca's Holdings Corp. (A)(B)	119	458
GameStop Corp., Class A (A)(B)	10,093	43,804
Genesco, Inc. (A)	1,511	32,728
Group 1 Automotive, Inc. (B)	1,693	111,687
Guess?, Inc. (B)	6,368	61,579
Haverty Furniture Companies, Inc.	1,920	30,720
Hibbett Sports, Inc. (A)	1,307	27,369
Lithia Motors, Inc., Class A	3,627	548,874
MarineMax, Inc. (A)	2,016	45,138
Monro, Inc. (B)	1,062	58,346
Office Depot, Inc.	33,557	78,859
Penske Automotive Group, Inc.	5,153	199,473
Rent-A-Center, Inc.	1,084	30,157
Shoe Carnival, Inc.	1,352	39,573
Signet Jewelers, Ltd. (B)	4,374	44,921
Sonic Automotive, Inc., Class A (B)	1,811	57,789
Tandy Leather Factory, Inc. (A)	1,690	5,645
The Buckle, Inc.	806	12,638
The Cato Corp., Class A	1,957	16,008
The Gap, Inc. (B)	22,555	284,644
Tilly's, Inc., Class A	712	4,037
Urban Outfitters, Inc. (A)(B)	4,660	70,925
Zumiez, Inc. (A)	2,122	58,100
		<hr/> 3,713,026
Textiles, apparel and luxury goods – 0.9%		
Capri Holdings, Ltd. (A)	4,479	70,007
Columbia Sportswear Company (B)	512	41,257
Culp, Inc.	334	2,876
Delta Apparel, Inc. (A)	500	6,060
Fossil Group, Inc. (A)	1,707	7,938
G-III Apparel Group, Ltd. (A)(B)	3,397	45,146
Lakeland Industries, Inc. (A)	1,110	24,897
Movado Group, Inc.	1,758	19,057
Oxford Industries, Inc.	4,879	214,725
PVH Corp.	3,178	152,703
Ralph Lauren Corp. (B)	1,758	127,490
Rocky Brands, Inc.	1,478	30,388
Steven Madden, Ltd.	1,687	41,652

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Textiles, apparel and luxury goods (continued)		
Superior Group of Companies, Inc.	663	\$ 8,884
Tapestry, Inc.	5,311	70,530
Unifi, Inc. (A)	2,453	31,595
Vera Bradley, Inc. (A)	2,034	9,031
Wolverine World Wide, Inc.	2,011	47,882
		<hr/> 952,118
		<hr/> 15,725,870
Consumer staples – 3.6%		
Beverages – 0.0%		
Craft Brew Alliance, Inc. (A)	2,909	44,770
Food and staples retailing – 1.4%		
Ingles Markets, Inc., Class A (B)	2,495	107,460
Natural Grocers by Vitamin Cottage, Inc.	1,014	15,088
Performance Food Group Company (A)	14,539	423,666
PriceSmart, Inc.	4,455	268,770
Rite Aid Corp. (A)	624	10,645
SpartanNash Company	4,194	89,123
The Andersons, Inc. (B)	3,784	52,068
The Chefs' Warehouse, Inc. (A)	1,493	20,275
United Natural Foods, Inc. (A)(B)	3,818	69,526
US Foods Holding Corp. (A)	12,812	252,653
Village Super Market, Inc., Class A	685	18,988
Weis Markets, Inc. (B)	2,671	133,871
		<hr/> 1,462,133
Food products – 1.7%		
Alico, Inc.	341	10,626
B&G Foods, Inc. (B)	1,941	47,322
Bunge, Ltd.	5,345	219,840
Cal-Maine Foods, Inc. (A)	831	36,963
Darling Ingredients, Inc. (A)	11,669	287,291
Dean Foods Company (A)	8,717	696
Farmer Brothers Company (A)	1,069	7,846
Fresh Del Monte Produce, Inc.	3,135	77,184
Hostess Brands, Inc. (A)	3,408	41,646
Ingredion, Inc.	3,024	250,992
Landec Corp. (A)	3,130	24,915
Limoneira Company	199	2,884
Pilgrim's Pride Corp. (A)	3,924	66,276
Post Holdings, Inc. (A)	4,147	363,360
Sanderson Farms, Inc.	1,287	149,150
Seaboard Corp. (B)	52	152,559
Seneca Foods Corp., Class A (A)(B)	1,409	47,638
The Simply Good Foods Company (A)	942	17,502
TreeHouse Foods, Inc. (A)	1,084	47,479
		<hr/> 1,852,169
Household products – 0.2%		
Central Garden & Pet Company (A)	1,553	55,892
Central Garden & Pet Company, Class A (A)	3,288	111,102
Oil-Dri Corp. of America	531	18,426
Spectrum Brands Holdings, Inc.	1,296	59,486
		<hr/> 244,906
Personal products – 0.2%		
Coty, Inc., Class A	15,614	69,795
Edgewell Personal Care Company (A)	1,909	59,484
Mannatech, Inc.	276	4,082
Natural Alternatives International, Inc. (A)	200	1,376
Nu Skin Enterprises, Inc., Class A	1,965	75,122
		<hr/> 209,859
Tobacco – 0.1%		
Universal Corp.	2,175	92,459
		<hr/> 3,906,296

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy – 3.9%		
Energy equipment and services – 1.0%		
Archrock, Inc.	9,027	\$ 58,585
Bristow Group, Inc. (A)	1,520	21,174
ChampionX Corp. (A)	2,968	28,968
Dawson Geophysical Company (A)	3,948	5,685
Dril-Quip, Inc. (A)(B)	2,786	82,995
Exterran Corp. (A)	4,737	25,532
Frank's International NV (A)	3,231	7,205
Geospace Technologies Corp. (A)	516	3,880
Gulf Island Fabrication, Inc. (A)	3,019	9,268
Helix Energy Solutions Group, Inc. (A)	14,129	49,028
Helmerich & Payne, Inc.	5,043	98,389
KLX Energy Services Holdings, Inc. (A)(B)	1,865	4,010
Liberty Oilfield Services, Inc., Class A	1,021	5,595
Matrix Service Company (A)	2,731	26,545
Nabors Industries, Ltd.	597	22,101
National Oilwell Varco, Inc.	17,726	217,144
Natural Gas Services Group, Inc. (A)	2,620	16,427
Newpark Resources, Inc. (A)	12,359	27,561
NexTier Oilfield Solutions, Inc. (A)	8,103	19,852
Oceaneering International, Inc. (A)	8,109	51,817
Oil States International, Inc. (A)	4,041	19,195
Patterson-UTI Energy, Inc. (B)	14,112	48,969
ProPetro Holding Corp. (A)	2,374	12,202
RPC, Inc. (A)	2,090	6,437
SEACOR Holdings, Inc. (A)	2,419	68,506
SEACOR Marine Holdings, Inc. (A)	2,432	6,202
Select Energy Services, Inc., Class A (A)	2,493	12,216
TechnipFMC PLC	18,865	129,037
TETRA Technologies, Inc. (A)	4,581	2,449
Tidewater, Inc. (A)	391	2,186
Transocean, Ltd. (A)(B)	13,252	24,251
U.S. Silica Holdings, Inc.	4,282	15,458
		1,128,869
Oil, gas and consumable fuels – 2.9%		
Adams Resources & Energy, Inc.	724	19,381
Antero Resources Corp. (A)(B)	20,791	52,809
Apache Corp.	368	4,968
Arch Resources, Inc.	1,502	42,672
Ardmore Shipping Corp.	1,174	5,095
Berry Corp.	1,497	7,231
Bonanza Creek Energy, Inc. (A)	1,183	17,532
Callon Petroleum Company (A)(B)	14,924	17,163
Centennial Resource Development, Inc., Class A (A)	11,699	10,412
Cimarex Energy Company	4,205	115,595
Clean Energy Fuels Corp. (A)	11,526	25,588
CNX Resources Corp. (A)	18,164	157,119
CONSOL Energy, Inc. (A)	2,270	11,509
Contango Oil & Gas Company (A)	3,786	8,670
CVR Energy, Inc.	1,951	39,235
Delek US Holdings, Inc. (B)	6,080	105,853
Denbury Resources, Inc. (A)	19,778	5,461
Devon Energy Corp.	18,790	213,079
DHT Holdings, Inc.	5,633	28,897
Dorian LPG, Ltd. (A)	2,153	16,664
EnLink Midstream LLC (A)(B)	15,746	38,420
EQT Corp.	10,202	121,404
Equitrans Midstream Corp.	1,062	8,825
GasLog, Ltd. (B)	2,719	7,640
Green Plains, Inc. (A)(B)	5,268	53,813
Gulfport Energy Corp. (A)	10,592	11,545
HighPoint Resources Corp. (A)	7,216	2,129
HollyFrontier Corp.	8,137	237,600

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
International Seaways, Inc.	1,434	\$ 23,432
Kosmos Energy, Ltd.	13,783	22,880
Laredo Petroleum, Inc. (A)	56	776
Marathon Oil Corp.	24,460	149,695
Matador Resources Company (A)(B)	5,416	46,036
Montage Resources Corp. (A)	615	2,429
Murphy Oil Corp. (B)	12,648	174,542
NACCO Industries, Inc., Class A	700	16,310
Noble Energy, Inc.	4,738	42,452
Nordic American Tankers, Ltd. (B)	2,259	9,172
Oasis Petroleum, Inc. (A)(B)	18,941	14,206
Overseas Shipholding Group, Inc., Class A (A)	861	1,601
Panhandle Oil and Gas, Inc., Class A	557	1,493
Par Pacific Holdings, Inc. (A)	1,947	17,504
Parsley Energy, Inc., Class A	18,301	195,455
PBF Energy, Inc., Class A	9,324	95,478
PDC Energy, Inc. (A)	7,428	92,404
Peabody Energy Corp.	6,070	17,482
Penn Virginia Corp. (A)	651	6,204
QEP Resources, Inc.	13,169	16,988
Range Resources Corp. (B)	13,645	76,821
Renewable Energy Group, Inc. (A)(B)	4,097	101,524
REX American Resources Corp. (A)	268	18,591
SandRidge Energy, Inc. (A)	1,746	2,252
Scorpio Tankers, Inc. (B)	2,441	31,269
SFL Corp., Ltd.	4,240	39,390
SilverBow Resources, Inc. (A)	324	1,040
SM Energy Company	6,189	23,209
Southwestern Energy Company (A)(B)	26,848	68,731
Talos Energy, Inc. (A)	2,469	22,715
Targa Resources Corp.	4,673	93,787
Teekay Corp. (A)	286	686
Teekay Tankers, Ltd., Class A (A)	1,159	14,858
World Fuel Services Corp.	3,769	97,089
WPX Energy, Inc. (A)	25,019	159,621
		3,084,431
		4,213,300
Financials – 18.8%		
Banks – 9.9%		
1st Source Corp.	2,392	85,107
Allegiance Bancshares, Inc.	308	7,820
American National Bankshares, Inc.	991	24,815
American River Bankshares	2,249	24,064
Ameris Bancorp	15,867	374,303
Arrow Financial Corp.	428	12,724
Associated Banc-Corp.	14,499	198,346
Atlantic Capital Bancshares, Inc. (A)	667	8,111
Atlantic Union Bankshares Corp.	13,853	320,835
Banc of California, Inc.	1,420	15,379
BancFirst Corp.	230	9,331
BancorpSouth Bank	2,714	61,716
Bank of Commerce Holdings	2,506	18,995
Bank of Marin Bancorp	542	18,065
Bank OZK (B)	5,996	140,726
BankFinancial Corp.	2,146	18,026
BankUnited, Inc.	2,793	56,558
Banner Corp. (B)	3,129	118,902
Bar Harbor Bankshares	1,690	37,839
BCB Bancorp, Inc.	1,477	13,707
Berkshire Hills Bancorp, Inc. (B)	3,974	43,793
BOK Financial Corp.	268	15,126
Boston Private Financial Holdings, Inc.	7,971	54,840
Bridge Bancorp, Inc.	1,057	24,142
Brookline Bancorp, Inc.	7,510	75,701

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Bryn Mawr Bank Corp. (B)	1,969	\$ 54,463
Byline Bancorp, Inc.	683	8,947
C&F Financial Corp.	627	20,848
Cadence Bancorp	4,741	42,005
California First National Bancorp	1,653	25,208
Camden National Corp.	1,722	59,478
Capital City Bank Group, Inc.	1,865	39,072
Central Pacific Financial Corp.	2,960	47,449
Century Bancorp, Inc., Class A	497	38,627
Chemung Financial Corp.	723	19,738
CIT Group, Inc.	4,212	87,315
Civista Bancshares, Inc.	514	7,916
CNB Financial Corp.	1,562	28,007
Columbia Banking System, Inc.	3,819	108,250
Comerica, Inc.	3,946	150,343
Community Trust Bancorp, Inc.	1,588	52,023
ConnectOne Bancorp, Inc.	1,273	20,521
Customers Bancorp, Inc. (A)	2,391	28,740
CVB Financial Corp.	2,662	49,886
Dime Community Bancshares, Inc.	3,601	49,442
Eagle Bancorp, Inc.	1,535	50,271
East West Bancorp, Inc.	461	16,707
Enterprise Bancorp, Inc.	246	5,860
Enterprise Financial Services Corp.	1,453	45,217
Equity Bancshares, Inc., Class A (A)	697	12,156
Financial Institutions, Inc.	1,481	27,561
First Bancorp (North Carolina) (B)	3,205	80,381
First Bancorp (Puerto Rico)	17,832	99,681
First Busey Corp.	1,350	25,178
First Business Financial Services, Inc.	1,366	22,471
First Commonwealth Financial Corp.	9,089	75,257
First Community Bankshares, Inc.	2,201	49,412
First Financial Bancorp	8,716	121,065
First Financial Corp.	1,432	52,755
First Financial Northwest, Inc.	1,100	10,659
First Foundation, Inc.	1,677	27,402
First Hawaiian, Inc.	1,461	25,188
First Horizon National Corp.	12,649	125,984
First Internet Bancorp	377	6,266
First Interstate BancSystem, Inc., Class A	1,946	60,248
First Merchants Corp.	4,769	131,481
First Mid Bancshares, Inc.	349	9,154
First Midwest Bancorp, Inc.	7,500	100,125
First Northwest Bancorp	800	9,936
Flushing Financial Corp.	3,421	39,410
FNB Corp.	18,182	136,365
Franklin Financial Network, Inc.	633	16,300
Fulton Financial Corp.	13,097	137,911
German American Bancorp, Inc.	302	9,392
Great Southern Bancorp, Inc.	1,329	53,638
Great Western Bancorp, Inc.	3,593	49,440
Hancock Whitney Corp.	7,556	160,187
Hanmi Financial Corp.	3,082	29,926
HarborOne Bancorp, Inc. (A)	1,011	8,634
Heartland Financial USA, Inc.	2,428	81,192
Heritage Commerce Corp.	2,225	16,699
Heritage Financial Corp.	1,481	29,620
Hilltop Holdings, Inc.	6,466	119,298
Home BancShares, Inc.	618	9,505
HomeTrust Bancshares, Inc.	560	8,960
Hope Bancorp, Inc.	11,326	104,426
Horizon Bancorp, Inc.	3,249	34,732
IBERIABANK Corp.	3,855	175,557
Independent Bank Corp. (Massachusetts)	885	59,375
Independent Bank Corp. (Michigan)	206	3,059

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Independent Bank Group, Inc.	1,479	\$ 59,929
International Bancshares Corp.	5,571	178,383
Investors Bancorp, Inc.	24,228	205,938
Lakeland Bancorp, Inc.	4,261	48,703
Macatawa Bank Corp.	5,091	39,812
Mercantile Bank Corp.	1,266	28,612
Midland States Bancorp, Inc.	670	10,017
MidWestOne Financial Group, Inc.	1,343	26,860
National Bank Holdings Corp., Class A	1,336	36,072
NBT Bancorp, Inc.	3,264	100,401
Nicolet Bankshares, Inc. (A)	565	30,962
Northrim Bancorp, Inc.	1,530	38,464
Norwood Financial Corp.	1,188	29,451
OceanFirst Financial Corp.	1,393	24,559
OFB Bancorp	4,824	64,497
Old National Bancorp	12,650	174,064
Old Second Bancorp, Inc.	2,721	21,169
Pacific Mercantile Bancorp (A)	762	2,789
Pacific Premier Bancorp, Inc.	3,858	83,641
PacWest Bancorp	9,138	180,110
Peapack-Gladstone Financial Corp.	1,625	30,436
Penns Woods Bancorp, Inc.	1,188	26,979
Peoples Bancorp, Inc.	2,153	45,816
People's United Financial, Inc.	24,691	285,675
People's Utah Bancorp	518	11,639
Pinnacle Financial Partners, Inc.	11,736	492,795
Popular, Inc.	7,939	295,093
Premier Financial Bancorp, Inc.	2,821	36,165
Prosperity Bancshares, Inc.	295	17,517
QCR Holdings, Inc.	1,211	37,759
Renasant Corp.	4,029	100,322
Republic Bancorp, Inc., Class A	1,724	56,392
S&T Bancorp, Inc. (B)	3,436	80,574
Sandy Spring Bancorp, Inc.	2,800	69,384
Seacoast Banking Corp. of Florida (A)	1,191	24,296
Shore Bancshares, Inc.	2,225	24,675
Sierra Bancorp	1,759	33,210
Simmons First National Corp., Class A	6,232	106,630
South State Corp.	3,656	174,245
Southern First Bancshares, Inc. (A)	237	6,567
Southern National Bancorp of Virginia, Inc.	3,850	37,307
Southside Bancshares, Inc.	374	10,367
Sterling Bancorp	11,335	132,846
Synovus Financial Corp.	338	6,939
TCF Financial Corp.	8,981	264,221
Texas Capital Bancshares, Inc. (A)	2,159	66,648
The Bancorp, Inc. (A)	4,825	47,285
The Bank of NT Butterfield & Son, Ltd.	576	14,049
The First Bancorp, Inc.	1,769	38,387
The First Bancshares, Inc.	311	6,998
The First of Long Island Corp.	1,039	16,977
Towne Bank	4,414	83,160
TriCo Bancshares	721	21,954
TriState Capital Holdings, Inc. (A)	1,242	19,512
Triumph Bancorp, Inc. (A)	997	24,197
Trustmark Corp.	5,532	135,645
Umpqua Holdings Corp.	17,304	184,115
United Bankshares, Inc.	7,105	196,524
United Community Banks, Inc. (B)	5,084	102,290
Univest Financial Corp.	2,460	39,704
Valley National Bancorp	27,685	216,497
Washington Trust Bancorp, Inc.	635	20,796
Webster Financial Corp.	466	13,332
WesBanco, Inc.	6,160	125,110

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Wintrust Financial Corp.	1,992	\$ 86,891
Zions Bancorp NA	8,491	288,694
		10,732,337
Capital markets – 1.9%		
Blucora, Inc. (A)(B)	6,814	77,816
Cowen, Inc., Class A	5,088	82,476
GAIN Capital Holdings, Inc.	2,895	17,428
Houlihan Lokey, Inc.	9,493	528,191
INTL. FCStone, Inc. (A)(B)	1,705	93,775
Invesco, Ltd. (B)	20,349	218,955
Janus Henderson Group PLC	9,615	203,453
Legg Mason, Inc.	4,561	226,910
Oppenheimer Holdings, Inc., Class A	1,974	43,013
Piper Sandler Companies	686	40,584
Stifel Financial Corp. (B)	7,553	358,239
Virtus Investment Partners, Inc.	418	48,609
Waddell & Reed Financial, Inc., Class A (B)	5,265	81,660
		2,021,109
Consumer finance – 1.6%		
Ally Financial, Inc.	21,341	423,192
Asta Funding, Inc. (A)	344	4,448
Encore Capital Group, Inc. (A)	10,130	346,243
EZCORP, Inc., Class A (A)	3,087	19,448
LendingClub Corp. (A)	3,292	14,979
Navient Corp.	18,244	128,255
Nelnet, Inc., Class A	2,648	126,416
Nicholas Financial, Inc. (A)	75	578
OneMain Holdings, Inc.	7,990	196,075
PRA Group, Inc. (A)(B)	1,882	72,758
Regional Management Corp. (A)	573	10,148
Santander Consumer USA Holdings, Inc. (B)	16,731	308,018
SLM Corp.	3,868	27,192
		1,677,750
Diversified financial services – 0.4%		
Cannae Holdings, Inc. (A)	1,026	42,169
Jefferies Financial Group, Inc.	3,864	60,085
Marlin Business Services Corp.	1,698	14,365
NewStar Financial, Inc. (A)(C)	5,739	583
On Deck Capital, Inc. (A)	2,096	1,506
Voya Financial, Inc.	7,710	359,672
		478,380
Insurance – 3.4%		
Ambac Financial Group, Inc. (A)	1,536	21,996
American Equity Investment Life Holding Company	7,384	182,459
American National Insurance Company	1,609	115,961
Argo Group International Holdings, Ltd.	3,091	107,660
Assured Guaranty, Ltd.	8,030	196,012
Athene Holding, Ltd., Class A (A)	10,718	334,294
Axis Capital Holdings, Ltd.	3,625	147,030
Brighthouse Financial, Inc. (A)	2,544	70,774
CNO Financial Group, Inc.	16,225	252,623
Donegal Group, Inc., Class A	2,876	40,897
Employers Holdings, Inc. (B)	2,717	81,918
Enstar Group, Ltd. (A)(B)	483	73,788
Everest Re Group, Ltd.	63	12,991
FBL Financial Group, Inc., Class A	3,170	113,771
FedNat Holding Company	1,090	12,066
First American Financial Corp.	439	21,081
Genworth Financial, Inc., Class A (A)	14,291	33,012
Global Indemnity, Ltd.	1,990	47,641
Greenlight Capital Re, Ltd., Class A (A)	2,616	17,056

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Hallmark Financial Services, Inc. (A)	4,008	\$ 13,988
Heritage Insurance Holdings, Inc.	10,722	140,351
Horace Mann Educators Corp. (B)	3,603	132,338
Independence Holding Company	2,247	68,736
Investors Title Company	189	22,929
James River Group Holdings, Ltd.	389	17,505
Lincoln National Corp.	941	34,619
Maiden Holdings, Ltd. (A)	7,320	9,077
MBIA, Inc. (A)	10,305	74,711
Mercury General Corp.	1,185	48,289
National General Holdings Corp.	6,267	135,430
National Western Life Group, Inc., Class A	221	44,905
Old Republic International Corp.	13,149	214,460
ProAssurance Corp.	2,100	30,387
Protective Insurance Corp., Class B	1,154	17,391
Reinsurance Group of America, Inc.	2,994	234,849
Safety Insurance Group, Inc.	612	46,671
State Auto Financial Corp.	3,787	67,598
Stewart Information Services Corp.	2,162	70,287
Third Point Reinsurance, Ltd. (A)	2,292	17,213
United Fire Group, Inc.	1,897	52,566
United Insurance Holdings Corp.	1,482	11,589
Unum Group	11,366	188,562
White Mountains Insurance Group, Ltd.	119	105,668
		3,683,149
Thriffs and mortgage finance – 1.6%		
Axos Financial, Inc. (A)	1,233	27,225
Capitol Federal Financial, Inc.	12,278	135,181
ESSA Bancorp, Inc.	897	12,486
Federal Agricultural Mortgage Corp., Class C (B)	1,163	74,444
Flagstar Bancorp, Inc.	4,596	135,260
Hingham Institution for Savings	106	17,785
Home Bancorp, Inc.	902	24,129
HomeStreet, Inc.	1,732	42,625
Kearny Financial Corp.	5,361	43,853
Meridian Bancorp, Inc.	1,625	18,850
Meta Financial Group, Inc.	2,595	47,151
Mr. Cooper Group, Inc. (A)	2,737	34,048
New York Community Bancorp, Inc.	28,861	294,382
Northfield Bancorp, Inc.	4,819	55,515
Northwest Bancshares, Inc.	8,845	90,440
PennyMac Financial Services, Inc.	673	28,125
Premier Financial Corp. (B)	3,941	69,637
Provident Financial Holdings, Inc.	1,778	23,843
Provident Financial Services, Inc.	4,435	64,086
Prudential Bancorp, Inc.	1,696	20,420
Radian Group, Inc.	5,799	89,942
Riverview Bancorp, Inc.	5,483	30,979
Southern Missouri Bancorp, Inc.	1,012	24,592
Territorial Bancorp, Inc.	1,722	40,966
TrustCo Bank Corp.	9,134	57,818
Walker & Dunlop, Inc.	517	26,269
Washington Federal, Inc.	2,236	60,014
Waterstone Financial, Inc.	3,099	45,958
Western New England Bancorp, Inc.	4,739	27,439
WSFS Financial Corp.	3,099	88,941
		1,752,403
		20,345,128
Health care – 14.1%		
Biotechnology – 3.7%		
Achillion Pharmaceuticals, Inc. (A)(C)	10,940	5,032
Aimmune Therapeutics, Inc. (A)	19,396	324,107
Amicus Therapeutics, Inc. (A)	28,769	433,837

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Anika Therapeutics, Inc. (A)	533	\$ 20,110
Arena Pharmaceuticals, Inc. (A)	7,022	442,035
Biohaven Pharmaceutical Holding Company, Ltd. (A)	6,138	448,749
Calithera Biosciences, Inc. (A)	2,020	10,666
Chimerix, Inc. (A)	2,352	7,291
Concert Pharmaceuticals, Inc. (A)	1,198	11,920
Emergent BioSolutions, Inc. (A)	4,650	367,722
Enanta Pharmaceuticals, Inc. (A)	400	20,084
Five Prime Therapeutics, Inc. (A)	1,389	8,473
Global Blood Therapeutics, Inc. (A)	5,963	376,444
Ligand Pharmaceuticals, Inc. (A)	163	18,232
Myriad Genetics, Inc. (A)	1,802	20,435
Oyster Point Pharma, Inc. (A)	9,899	285,883
PDL BioPharma, Inc. (A)	10,320	30,031
Prothena Corp. PLC (A)	779	8,148
Retrophin, Inc. (A)	21,832	445,591
Vanda Pharmaceuticals, Inc. (A)	814	9,312
Veracyte, Inc. (A)	14,327	371,069
Vericel Corp. (A)	28,096	388,287
		4,053,458
Health care equipment and supplies – 3.8%		
AngioDynamics, Inc. (A)	5,377	54,684
AtriCure, Inc. (A)	10,875	488,831
Avanos Medical, Inc. (A)	3,306	97,163
Cantel Medical Corp.	630	27,865
Cardiovascular Systems, Inc. (A)	11,608	366,232
CONMED Corp. (B)	855	61,551
CryoLife, Inc. (A)	11,140	213,554
FONAR Corp. (A)	463	9,894
Globus Medical, Inc., Class A (A)	7,259	346,327
Haemonetics Corp. (A)	2,570	230,169
ICU Medical, Inc. (A)	2,177	401,243
Inogen, Inc. (A)	400	14,208
Integer Holdings Corp. (A)	2,433	177,731
Integra LifeSciences Holdings Corp. (A)	7,716	362,575
Invacare Corp.	3,396	21,633
Kewaunee Scientific Corp.	83	771
Merit Medical Systems, Inc. (A)(B)	1,549	70,712
Natus Medical, Inc. (A)	613	13,376
Orthofix Medical, Inc. (A)	541	17,312
Quidel Corp. (A)	2,964	663,165
RTI Surgical Holdings, Inc. (A)	4,931	15,681
Wright Medical Group NV (A)	14,656	435,576
		4,090,253
Health care providers and services – 2.5%		
Acadia Healthcare Company, Inc. (A)	11,075	278,204
Addus HomeCare Corp. (A)	824	76,269
AMN Healthcare Services, Inc. (A)	199	9,003
Brookdale Senior Living, Inc. (A)(B)	14,058	41,471
Covetrus, Inc. (A)	4,275	76,480
Cross Country Healthcare, Inc. (A)	2,734	16,841
DaVita, Inc. (A)	2,607	206,318
Digirad Corp. (A)	310	868
HealthEquity, Inc. (A)	7,114	417,378
LHC Group, Inc. (A)	4,022	701,115
Magellan Health, Inc. (A)	2,125	155,083
MedCath Corp. (A)(C)	3,806	1,903
MEDNAX, Inc. (A)(B)	6,772	115,801
National HealthCare Corp.	1,628	103,280
Owens & Minor, Inc. (B)	5,919	45,103
Patterson Companies, Inc.	4,209	92,598
Premier, Inc., Class A (A)	1,879	64,412
Select Medical Holdings Corp. (A)	9,218	135,781
Surgery Partners, Inc. (A)	814	9,418

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
The Pennant Group, Inc. (A)	526	\$ 11,888
The Providence Service Corp. (A)(B)	887	69,993
Triple-S Management Corp., Class B (A)(B)	2,760	52,495
		2,681,702
Health care technology – 0.4%		
Allscripts Healthcare Solutions, Inc. (A)	9,018	61,052
Evolent Health, Inc., Class A (A)	2,142	15,251
HealthStream, Inc. (A)	1,369	30,296
HMS Holdings Corp. (A)	10,706	346,767
NextGen Healthcare, Inc. (A)	1,561	17,140
		470,506
Life sciences tools and services – 0.7%		
Harvard Bioscience, Inc. (A)	6,562	20,342
Luminex Corp. (B)	2,011	65,418
Medpace Holdings, Inc. (A)	300	27,906
Syneos Health, Inc. (A)	10,696	623,042
		736,708
Pharmaceuticals – 3.0%		
AMAG Pharmaceuticals, Inc. (A)	1,505	11,513
Amphastar Pharmaceuticals, Inc. (A)	600	13,476
Assertio Holdings, Inc. (A)	2,796	2,396
Catalent, Inc. (A)	11,714	858,636
Cumberland Pharmaceuticals, Inc. (A)	956	3,183
Endo International PLC (A)	2,935	10,067
GW Pharmaceuticals PLC, ADR (A)	3,574	438,601
Horizon Therapeutics PLC (A)	9,679	537,959
Jazz Pharmaceuticals PLC (A)	914	100,851
Mallinckrodt PLC (A)(B)	6,663	17,857
Mylan NV (A)	26,458	425,435
Otonomy, Inc. (A)	1,716	6,212
Perrigo Company PLC	1,671	92,356
Prestige Consumer Healthcare, Inc. (A)	1,934	72,641
Supernus Pharmaceuticals, Inc. (A)	15,117	359,029
Taro Pharmaceutical Industries, Ltd. (A)	303	20,146
Zogenix, Inc. (A)	11,725	316,692
		3,287,050
		15,319,677
Industrials – 19.7%		
Aerospace and defense – 0.8%		
AAR Corp. (B)	3,682	76,107
CPI Aerostructures, Inc. (A)	1,400	4,606
Cubic Corp. (B)	2,425	116,473
Curtiss-Wright Corp.	712	63,567
Ducommun, Inc. (A)(B)	1,674	58,372
Hexcel Corp. (B)	1,878	84,923
Moog, Inc., Class A	1,748	92,609
National Presto Industries, Inc.	244	21,323
Park Aerospace Corp.	2,083	23,205
SIFCO Industries, Inc. (A)	1,000	4,000
Spirit AeroSystems Holdings, Inc., Class A	477	11,419
Textron, Inc.	9,536	313,830
Vectrus, Inc. (A)	608	29,871
		900,305
Air freight and logistics – 0.6%		
Atlas Air Worldwide Holdings, Inc. (A)	2,943	126,637
Echo Global Logistics, Inc. (A)(B)	2,257	48,796
Forward Air Corp.	1,054	52,510
Hub Group, Inc., Class A (A)	3,395	162,485
Radiant Logistics, Inc. (A)	1,875	7,369
XPO Logistics, Inc. (A)	3,657	282,503
		680,300

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Airlines – 0.8%		
Alaska Air Group, Inc. (B)	8,419	\$ 305,273
Allegiant Travel Company	184	20,095
Copa Holdings SA, Class A	905	45,757
Hawaiian Holdings, Inc.	2,263	31,773
JetBlue Airways Corp. (A)	22,422	244,400
SkyWest, Inc.	4,337	141,473
Spirit Airlines, Inc. (A)(B)	5,299	94,322
		883,093
Building products – 1.4%		
American Woodmark Corp. (A)	200	15,130
Apogee Enterprises, Inc.	1,785	41,126
Armstrong Flooring, Inc. (A)	1,831	5,475
Builders FirstSource, Inc. (A)	2,150	44,505
Gibraltar Industries, Inc. (A)	11,286	541,841
Griffon Corp.	3,371	62,431
Insteel Industries, Inc.	1,989	37,930
JELD-WEN Holding, Inc. (A)	7,464	120,245
Masonite International Corp. (A)	1,546	120,248
Owens Corning	1,189	66,299
PGT Innovations, Inc. (A)	784	12,293
Quanex Building Products Corp. (B)	3,929	54,535
Resideo Technologies, Inc. (A)(B)	4,444	52,084
UFP Industries, Inc.	6,126	303,298
		1,477,440
Commercial services and supplies – 1.8%		
ABM Industries, Inc.	6,128	222,446
ACCO Brands Corp.	7,990	56,729
Acme United Corp.	733	16,844
ADT, Inc.	10,163	81,101
Brady Corp., Class A	631	29,543
BrightView Holdings, Inc. (A)	3,362	37,654
CECO Environmental Corp. (A)	1,395	9,193
Civeo Corp. (A)	8,078	4,980
Clean Harbors, Inc. (A)	1,695	101,666
Ennis, Inc.	2,608	47,309
Harsco Corp. (A)	1,730	23,372
Heritage-Crystal Clean, Inc. (A)	1,877	32,772
Herman Miller, Inc.	533	12,584
HNI Corp.	980	29,959
KAR Auction Services, Inc.	3,034	41,748
Kimball International, Inc., Class B	966	11,167
Matthews International Corp., Class A	1,190	22,729
McGrath RentCorp	2,300	124,223
Mobile Mini, Inc.	4,027	118,797
NL Industries, Inc.	3,260	11,117
PICO Holdings, Inc. (A)	2,493	21,016
Ritchie Brothers Auctioneers, Inc.	14,480	591,508
SP Plus Corp. (A)	1,277	26,447
Steelcase, Inc., Class A	4,596	55,428
Team, Inc. (A)	2,106	11,730
UniFirst Corp.	441	78,917
Viad Corp.	1,664	31,649
Virco Manufacturing Corp. (A)	1,200	3,144
VSE Corp.	1,368	42,942
		1,898,714
Construction and engineering – 1.5%		
Aegion Corp. (A)(B)	3,021	47,943
Ameresco, Inc., Class A (A)(B)	4,187	116,315
Arcosa, Inc. (B)	4,310	181,882
Argan, Inc.	604	28,618
Dycom Industries, Inc. (A)	4,373	178,812
EMCOR Group, Inc.	1,077	71,233
Fluor Corp.	4,059	49,033
Granite Construction, Inc. (B)	4,459	85,345

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
Great Lakes Dredge & Dock Corp. (A)	8,200	\$ 75,932
IES Holdings, Inc. (A)	237	5,491
MasTec, Inc. (A)(B)	4,355	195,409
MYR Group, Inc. (A)	2,043	65,192
Northwest Pipe Company (A)	1,706	42,769
NV5 Global, Inc. (A)	290	14,741
Orion Group Holdings, Inc. (A)	4,263	13,386
Primoris Services Corp.	3,474	61,698
Quanta Services, Inc.	6,258	245,501
Sterling Construction Company, Inc. (A)	2,528	26,468
Tutor Perini Corp. (A)(B)	4,867	59,280
Valmont Industries, Inc.	328	37,267
		1,602,315
Electrical equipment – 1.1%		
Acuity Brands, Inc.	150	14,361
AZZ, Inc.	1,638	56,216
Encore Wire Corp.	2,149	104,914
EnerSys	563	36,246
LSI Industries, Inc.	4,131	26,728
nVent Electric PLC	4,483	83,967
Powell Industries, Inc.	1,244	34,073
Preformed Line Products Company (B)	984	49,210
Regal Beloit Corp.	3,132	273,486
Sensata Technologies Holding PLC (A)	5,978	222,561
Thermon Group Holdings, Inc. (A)	15,048	219,249
Ultralife Corp. (A)	1,984	13,908
		1,134,919
Industrial conglomerates – 0.2%		
Carlisle Companies, Inc.	2,110	252,504
Machinery – 5.4%		
AGCO Corp.	3,829	212,356
Alamo Group, Inc.	4,161	427,085
Albany International Corp., Class A	604	35,461
Altra Industrial Motion Corp.	790	25,169
Astec Industries, Inc. (B)	2,911	134,808
Barnes Group, Inc. (B)	2,872	113,616
Briggs & Stratton Corp. (B)	4,976	6,519
Chart Industries, Inc. (A)(B)	2,822	136,839
CIRCOR International, Inc. (A)	1,614	41,125
Colfax Corp. (A)(B)	8,935	249,287
Columbus McKinnon Corp. (B)	2,578	86,234
Crane Company	1,471	87,466
EnPro Industries, Inc.	503	24,793
ESCO Technologies, Inc.	2,085	176,245
Federal Signal Corp.	4,369	129,890
Franklin Electric Company, Inc. (B)	1,637	85,975
FreightCar America, Inc. (A)	735	911
Gates Industrial Corp. PLC (A)	4,373	44,954
Gencor Industries, Inc. (A)	2,100	26,544
Graham Corp.	333	4,242
Helios Technologies, Inc.	4,854	180,812
Hillenbrand, Inc.	417	11,288
Hurco Companies, Inc.	1,054	29,480
Hyster-Yale Materials Handling, Inc.	970	37,500
John Bean Technologies Corp.	4,008	344,768
Kadant, Inc.	218	21,726
Kennametal, Inc.	1,872	53,745
LB Foster Company, Class A (A)	1,699	21,696
Lydall, Inc. (A)	338	4,583
Miller Industries, Inc.	1,706	50,788
Mueller Industries, Inc.	854	22,699
NN, Inc.	2,376	11,262
Oshkosh Corp.	2,932	209,990
Park-Ohio Holdings Corp.	749	12,426

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Perma-Pipe International Holdings, Inc. (A)	1,100	\$ 6,182
RBC Bearings, Inc. (A)	3,827	512,971
Rexnord Corp.	3,804	110,887
Snap-on, Inc. (B)	2,258	312,756
SPX FLOW, Inc. (A)	2,346	87,834
Terex Corp.	1,593	29,901
The Eastern Company	1,471	26,287
The Gorman-Rupp Company	826	25,672
The Greenbrier Companies, Inc. (B)	3,369	76,645
The LS Starrett Company, Class A (A)	1,530	5,187
The Manitowoc Company, Inc. (A)	2,882	31,356
The Middleby Corp. (A)(B)	1,622	128,041
The Shyft Group, Inc.	34,476	580,576
The Timken Company	2,536	115,363
Titan International, Inc.	3,936	5,747
TriMas Corp. (A)	1,856	44,451
Trinity Industries, Inc. (B)	11,867	252,648
Twin Disc, Inc. (A)	1,650	9,141
Wabash National Corp.	3,712	39,421
Woodward, Inc.	5,225	405,199
		5,868,547
Marine – 0.2%		
Costamare, Inc.	3,754	20,872
Eagle Bulk Shipping, Inc. (A)(B)	2,757	6,038
Genco Shipping & Trading, Ltd.	1,028	6,456
Kirby Corp. (A)	2,094	112,155
Matson, Inc. (B)	3,414	99,347
Scorpio Bulkers, Inc.	512	7,834
		252,702
Professional services – 2.1%		
Acacia Research Corp. (A)	2,172	8,883
ASGN, Inc. (A)	1,215	81,016
CBIZ, Inc. (A)	5,471	131,140
CRA International, Inc.	1,251	49,415
Exponent, Inc.	7,641	618,386
Forrester Research, Inc. (A)	8,733	279,805
FTI Consulting, Inc. (A)	2,127	243,648
GP Strategies Corp. (A)	1,125	9,653
Heidrick & Struggles International, Inc.	1,972	42,635
Hill International, Inc. (A)	3,275	4,978
Huron Consulting Group, Inc. (A)	1,611	71,287
ICF International, Inc.	1,629	105,608
InnerWorkings, Inc. (A)	3,056	4,034
Kelly Services, Inc., Class A (B)	4,330	68,479
Korn Ferry	4,157	127,745
ManpowerGroup, Inc.	2,277	156,544
Mistras Group, Inc. (A)	1,232	4,866
Nielsen Holdings PLC	12,725	189,094
RCM Technologies, Inc. (A)	300	402
Resources Connection, Inc.	4,120	49,316
TrueBlue, Inc. (A)	2,519	38,465
		2,285,399
Road and rail – 1.6%		
AMERCO	819	247,494
ArcBest Corp.	3,042	80,643
Covenant Transportation Group, Inc., Class A (A)	1,513	21,833
Hertz Global Holdings, Inc. (A)(B)	5,103	7,195
Knight-Swift Transportation Holdings, Inc. (B)	12,673	528,591
Marten Transport, Ltd.	6,037	151,891
P.A.M. Transportation Services, Inc. (A)	675	20,756
Patriot Transportation Holding, Inc.	450	3,780
Ryder System, Inc.	4,239	159,005

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Road and rail (continued)		
Saia, Inc. (A)	1,894	\$ 210,575
Schneider National, Inc., Class B	2,862	70,606
USA Truck, Inc. (A)	1,375	10,656
Werner Enterprises, Inc.	5,765	250,950
		1,763,975
Trading companies and distributors – 2.1%		
Air Lease Corp. (B)	9,283	271,899
Applied Industrial Technologies, Inc.	205	12,790
Beacon Roofing Supply, Inc. (A)	3,249	85,676
BMC Stock Holdings, Inc. (A)	2,274	57,168
CAI International, Inc. (A)	1,738	28,955
DXP Enterprises, Inc. (A)	967	19,253
GATX Corp. (B)	3,186	194,282
Houston Wire & Cable Company (A)	3,039	7,172
Kaman Corp.	2,106	87,610
Lawson Products, Inc. (A)	591	19,066
MRC Global, Inc. (A)	2,745	16,223
MSC Industrial Direct Company, Inc., Class A	1,134	82,567
NOW, Inc. (A)(B)	9,114	78,654
Rush Enterprises, Inc., Class A	2,247	93,161
Rush Enterprises, Inc., Class B	1,545	55,095
SiteOne Landscape Supply, Inc. (A)	6,297	717,669
Textainer Group Holdings, Ltd. (A)	1,991	16,286
Titan Machinery, Inc. (A)	2,816	30,582
Transcat, Inc. (A)	1,532	39,618
Triton International, Ltd.	5,687	171,975
Univar Solutions, Inc. (A)	1,279	21,564
Veritiv Corp. (A)	889	15,077
WESCO International, Inc. (A)	4,088	143,515
Willis Lease Finance Corp. (A)	406	9,858
		2,275,715
Transportation infrastructure – 0.1%		
Macquarie Infrastructure Corp.	4,124	126,566
		21,402,494
Information technology – 13.4%		
Communications equipment – 0.7%		
ADTRAN, Inc. (B)	5,269	57,590
BK Technologies Corp.	2,100	7,119
CalAmp Corp. (A)	900	7,209
Calix, Inc. (A)	1,577	23,497
CommScope Holding Company, Inc. (A)	5,208	43,383
Communications Systems, Inc.	1,800	9,126
Comtech Telecommunications Corp. (B)	3,221	54,403
Digi International, Inc. (A)	4,013	46,751
EchoStar Corp., Class A (A)(B)	4,430	123,863
Harmonic, Inc. (A)	4,356	20,691
Infinera Corp. (A)(B)	8,291	49,083
InterDigital, Inc.	1,773	100,405
NETGEAR, Inc. (A)(B)	3,391	87,793
NetScout Systems, Inc. (A)	5,458	139,506
Optical Cable Corp. (A)	931	2,328
Ribbon Communications, Inc. (A)	1,083	4,256
TESSCO Technologies, Inc.	1,750	9,625
		786,628
Electronic equipment, instruments and components – 3.8%		
ADDvantage Technologies Group, Inc. (A)	428	1,472
Arlo Technologies, Inc. (A)	6,715	17,325
Arrow Electronics, Inc. (A)	7,383	507,138
Avnet, Inc.	9,371	261,310
Bel Fuse, Inc., Class B	1,641	17,608
Belden, Inc.	1,539	50,094
Benchmark Electronics, Inc. (B)	3,813	82,361

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (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)		
CTS Corp.	3,310	\$ 66,332
Daktronics, Inc.	3,929	17,091
ePlus, Inc. (A)	950	67,146
Fabrinet (A)(B)	3,124	195,000
FARO Technologies, Inc. (A)	645	34,572
Flex, Ltd. (A)	22,654	232,204
Frequency Electronics, Inc. (A)	1,783	15,619
Insight Enterprises, Inc. (A)	2,944	144,845
Jabil, Inc.	9,420	302,194
Key Tronic Corp. (A)	1,900	9,975
Kimball Electronics, Inc. (A)	3,614	48,934
Knowles Corp. (A)	6,866	104,775
Methode Electronics, Inc.	1,177	36,793
MTS Systems Corp.	626	11,011
OSI Systems, Inc. (A)	1,047	78,148
PC Connection, Inc. (B)	2,691	124,755
Plexus Corp. (A)	3,089	217,960
RF Industries, Ltd.	120	559
Richardson Electronics, Ltd.	2,384	9,631
Rogers Corp. (A)	4,448	554,221
Sanmina Corp. (A)	5,879	147,210
ScanSource, Inc. (A)	2,542	61,237
SYNNEX Corp.	3,306	395,960
TTM Technologies, Inc. (A)(B)	9,753	115,671
Vishay Intertechnology, Inc.	10,845	165,603
Vishay Precision Group, Inc. (A)	1,686	41,442
		4,136,196
IT services – 1.5%		
CACI International, Inc., Class A (A)	2,958	641,531
Conduent, Inc. (A)	5,456	13,040
DXC Technology Company	3,152	52,008
KBR, Inc.	7,595	171,267
ManTech International Corp., Class A	2,267	155,267
Perficient, Inc. (A)	2,608	93,314
Sykes Enterprises, Inc. (A)	3,751	103,753
Virtusa Corp. (A)	10,945	355,384
		1,585,564
Semiconductors and semiconductor equipment – 3.4%		
Alpha & Omega Semiconductor, Ltd. (A)	3,869	42,095
Amkor Technology, Inc. (A)(B)	19,605	241,338
Amtech Systems, Inc. (A)	2,404	11,707
Axcelis Technologies, Inc. (A)(B)	3,360	93,576
AXT, Inc. (A)	4,229	20,130
Brooks Automation, Inc.	3,221	142,497
Cabot Microelectronics Corp.	2,219	309,639
Cohu, Inc. (B)	3,425	59,390
Diodes, Inc. (A)(B)	3,753	190,277
DSP Group, Inc. (A)	1,726	27,409
Entegris, Inc.	7,018	414,413
First Solar, Inc. (A)(B)	1,988	98,406
FormFactor, Inc. (A)	1,299	38,100
GSI Technology, Inc. (A)	3,507	25,180
Kulicke & Soffa Industries, Inc.	5,571	116,044
MACOM Technology Solutions Holdings, Inc. (A)	10,537	361,946
NeoPhotonics Corp. (A)	3,808	33,815
ON Semiconductor Corp. (A)	15,115	299,579
Onto Innovation, Inc. (A)	2,038	69,374
PDF Solutions, Inc. (A)	2,193	42,895
Photronics, Inc. (A)(B)	9,102	101,305
Power Integrations, Inc.	3,118	368,329
Rambus, Inc. (A)	4,286	65,147
Silicon Laboratories, Inc. (A)	2,805	281,257
Synaptics, Inc. (A)	1,879	112,965

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Ultra Clean Holdings, Inc. (A)	2,706	\$ 61,237
Veeco Instruments, Inc. (A)	2,996	40,416
		3,668,466
Software – 3.7%		
Aware, Inc. (A)	2,160	7,085
Bottomline Technologies DE, Inc. (A)	5,533	280,910
Cerence, Inc. (A)	7,876	321,656
HubSpot, Inc. (A)	4,187	939,353
LogMeIn, Inc.	150	12,716
Mimecast, Ltd. (A)	14,690	611,662
OneSpan, Inc. (A)	1,048	29,271
Paylocity Holding Corp. (A)	5,192	757,461
Rapid7, Inc. (A)	10,294	525,200
Seachange International, Inc. (A)	5,428	8,196
The Descartes Systems Group, Inc. (A)	7,445	393,841
Verint Systems, Inc. (A)	402	18,162
Xperi Holding Corp. (B)	4,859	71,719
		3,977,232
Technology hardware, storage and peripherals – 0.3%		
AstroNova, Inc.	1,439	11,454
Stratasys, Ltd. (A)(B)	2,906	46,089
Super Micro Computer, Inc. (A)(B)	4,794	136,102
Xerox Holdings Corp.	8,939	136,677
		330,322
		14,484,408
Materials – 6.3%		
Chemicals – 3.2%		
American Vanguard Corp.	2,118	29,144
Ashland Global Holdings, Inc.	2,215	153,057
Balchem Corp.	4,584	434,838
Cabot Corp.	1,132	41,941
CF Industries Holdings, Inc.	10,098	284,158
Core Molding Technologies, Inc. (A)	1,000	4,120
Element Solutions, Inc. (A)	14,525	157,596
Flotek Industries, Inc. (A)	1,771	2,125
FutureFuel Corp.	4,276	51,098
GCP Applied Technologies, Inc. (A)	567	10,535
Hawkins, Inc.	730	31,083
HB Fuller Company	3,426	152,800
Huntsman Corp.	12,404	222,900
Innospec, Inc.	1,994	154,037
Intrepid Potash, Inc. (A)	5,049	4,999
Kraton Corp. (A)	3,085	53,309
Kronos Worldwide, Inc.	1,438	14,970
LSB Industries, Inc. (A)	567	658
Minerals Technologies, Inc.	2,502	117,419
Olin Corp.	6,642	76,317
PolyOne Corp.	16,566	434,526
PQ Group Holdings, Inc. (A)	2,944	38,979
Quaker Chemical Corp.	1,931	358,490
Rayonier Advanced Materials, Inc.	800	2,248
Sensient Technologies Corp.	849	44,284
Stepan Company	1,533	148,854
The Mosaic Company	7,882	98,604
Trecora Resources (A)	2,774	17,393
Tredegar Corp.	1,654	25,472
Trinseo SA	940	20,830
Tronox Holdings PLC, Class A	4,982	35,970
Westlake Chemical Corp. (B)	4,522	242,605
		3,465,359
Construction materials – 0.2%		
Summit Materials, Inc., Class A (A)(B)	5,018	80,689
U.S. Concrete, Inc. (A)	268	6,646

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction materials (continued)		
United States Lime & Minerals, Inc. (B)	686	\$ 57,926
		145,261
Containers and packaging – 0.7%		
Graphic Packaging Holding Company	12,264	171,573
Greif, Inc., Class A	1,678	57,740
Greif, Inc., Class B	498	20,831
Sonoco Products Company	1,795	93,861
Westrock Company	14,417	407,424
		751,429
Metals and mining – 1.7%		
Alcoa Corp. (A)	9,078	102,037
Allegheny Technologies, Inc. (A)	5,052	51,480
Ampco-Pittsburgh Corp. (A)	1,644	5,047
Carpenter Technology Corp.	4,255	103,311
Century Aluminum Company (A)	6,579	46,908
Coeur Mining, Inc. (A)	5,562	28,255
Commercial Metals Company	5,611	114,464
Ferroglobe PLC (A)	3,057	1,516
Friedman Industries, Inc.	1,511	7,631
Haynes International, Inc.	458	10,699
Hecla Mining Company	35,139	114,905
Materion Corp.	2,348	144,379
Nexa Resources SA	900	5,976
Olympic Steel, Inc.	2,383	28,000
Reliance Steel & Aluminum Company	5,192	492,877
Schmitzer Steel Industries, Inc., Class A (B)	4,262	75,182
Steel Dynamics, Inc.	9,847	256,908
SunCoke Energy, Inc.	6,433	19,042
Synalloy Corp. (A)	2,039	15,252
TimkenSteel Corp. (A)	2,689	10,460
United States Steel Corp. (B)	9,180	66,280
Universal Stainless & Alloy Products, Inc. (A)	1,562	13,433
Worthington Industries, Inc.	3,622	135,101
		1,849,143
Paper and forest products – 0.5%		
Boise Cascade Company	2,384	89,662
Clearwater Paper Corp. (A)	1,597	57,700
Domtar Corp.	5,313	112,157
Louisiana-Pacific Corp.	2,408	61,765
Mercer International, Inc.	8,558	69,833
Neenah, Inc.	193	9,546
P.H. Glatfelter Company (B)	4,610	73,991
Resolute Forest Products, Inc. (A)	9,682	20,429
Schweitzer-Mauduit International, Inc. (B)	1,971	65,851
Verso Corp., Class A	1,405	16,804
		577,738
		6,788,930
Real estate – 2.1%		
Equity real estate investment trusts – 1.5%		
Easterly Government Properties, Inc.	14,656	338,847
QTS Realty Trust, Inc., Class A	11,046	707,938
STAG Industrial, Inc.	20,567	603,024
		1,649,809
Real estate management and development – 0.6%		
CTO Realty Growth, Inc.	178	7,031
Cushman & Wakefield PLC (A)(B)	5,006	62,375
Forestar Group, Inc. (A)	695	10,481
FRP Holdings, Inc. (A)	722	29,299
Griffin Industrial Realty, Inc.	892	48,320
Jones Lang LaSalle, Inc.	2,871	297,034
Marcus & Millichap, Inc. (A)	853	24,618
Rafael Holdings, Inc., Class B (A)	500	7,185

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
RE/MAX Holdings, Inc., Class A	493	\$ 15,495
Realogy Holdings Corp. (B)	9,825	72,803
Stratus Properties, Inc. (A)	1,025	20,305
Tejon Ranch Company (A)	1,709	24,610
The Howard Hughes Corp. (A)	447	23,222
The St. Joe Company (A)	1,296	25,168
		667,946
		2,317,755
Utilities – 0.1%		
Independent power and renewable electricity producers – 0.1%		
Ormat Technologies, Inc. (B)	720	45,713
TerraForm Power, Inc., Class A	3,126	57,643
		103,356
TOTAL COMMON STOCKS (Cost \$114,957,261)		\$ 107,028,399
PREFERRED SECURITIES – 0.0%		
Industrials – 0.0%		
Trading companies and distributors – 0.0%		
WESCO International, Inc. (10.625% to 6-22-25, then 5 Year CMT + 10.325%)	1,508	39,983
TOTAL PREFERRED SECURITIES (Cost \$37,691)		\$ 39,983
SHORT-TERM INVESTMENTS – 12.3%		
Short-term funds – 12.3%		
John Hancock Collateral Trust, 0.2429% (D)(E)	1,210,174	12,115,419
State Street Institutional Treasury Money Market Fund, Premier Class, 0.1136% (D)	587,236	587,236
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.1158% (D)	580,440	580,440
TOTAL SHORT-TERM INVESTMENTS (Cost \$13,283,351)		\$ 13,283,095
Total Investments (Small Cap Opportunities Trust) (Cost \$128,278,303) – 111.0%		\$ 120,351,477
Other assets and liabilities, net – (11.0%)		(11,885,250)
TOTAL NET ASSETS – 100.0%		\$ 108,466,227

Security Abbreviations and Legend

ADR	American Depository Receipt
CMT	Constant Maturity Treasury
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(D)	The rate shown is the annualized seven-day yield as of 6-30-20.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Small Cap Stock Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.7%		
Communication services – 2.3%		
Diversified telecommunication services – 1.5%		
Bandwidth, Inc., Class A (A)(B)	34,841	\$ 4,424,807

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media – 0.8%		
Cardlytics, Inc. (A)(B)	32,247	\$ 2,256,645
		6,681,452
Consumer discretionary – 18.7%		
Auto components – 1.5%		
Fox Factory Holding Corp. (A)(B)	53,252	4,399,148
Automobiles – 1.0%		
Thor Industries, Inc. (B)	28,550	3,041,432
Diversified consumer services – 2.0%		
Chegg, Inc. (A)(B)	86,176	5,796,198
Hotels, restaurants and leisure – 2.2%		
DraftKings, Inc. (A)(C)	101,111	3,205,124
Penn National Gaming, Inc. (A)(B)	55,200	1,685,808
Planet Fitness, Inc., Class A (A)	29,030	1,758,347
		6,649,279
Household durables – 2.5%		
Cavco Industries, Inc. (A)	18,354	3,539,569
Skyline Champion Corp. (A)	163,902	3,989,375
		7,528,944
Leisure products – 3.6%		
BRP, Inc.	90,591	3,863,597
Polaris, Inc.	23,303	2,156,693
YETI Holdings, Inc. (A)	105,691	4,516,176
		10,536,466
Multiline retail – 0.9%		
Ollie's Bargain Outlet Holdings, Inc. (A)(B)	28,241	2,757,734
Specialty retail – 2.8%		
Five Below, Inc. (A)	41,316	4,417,094
Floor & Decor Holdings, Inc., Class A (A)	65,506	3,776,421
		8,193,515
Textiles, apparel and luxury goods – 2.2%		
Steven Madden, Ltd.	103,836	2,563,711
Wolverine World Wide, Inc.	171,718	4,088,606
		6,652,317
		55,555,033
Consumer staples – 1.3%		
Beverages – 1.3%		
The Boston Beer Company, Inc., Class A (A)	6,977	3,744,207
Financials – 6.0%		
Banks – 3.0%		
Ameris Bancorp	46,563	1,098,421
BancorpSouth Bank	55,771	1,268,233
Sterling Bancorp	260,909	3,057,853
Western Alliance Bancorp	94,121	3,564,362
		8,988,869
Capital markets – 1.5%		
Ares Management Corp., Class A	75,264	2,987,981
Hamilton Lane, Inc., Class A	19,495	1,313,378
		4,301,359
Consumer finance – 0.8%		
PRA Group, Inc. (A)(B)	62,427	2,413,428
Mortgage real estate investment trusts – 0.7%		
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	70,770	2,014,114
		17,717,770
Health care – 29.5%		
Biotechnology – 14.7%		
ACADIA Pharmaceuticals, Inc. (A)	42,096	2,040,393

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Accelaron Pharma, Inc. (A)	24,996	\$ 2,381,369
Allakos, Inc. (A)(B)	18,992	1,364,765
Amicus Therapeutics, Inc. (A)	209,998	3,166,770
Apellis Pharmaceuticals, Inc. (A)	39,629	1,294,283
Arena Pharmaceuticals, Inc. (A)	55,950	3,522,053
Ascendis Pharma A/S, ADR (A)	8,850	1,308,915
Blueprint Medicines Corp. (A)	42,260	3,296,280
ChemoCentryx, Inc. (A)	29,174	1,678,672
Constellation Pharmaceuticals, Inc. (A)	31,679	951,954
CRISPR Therapeutics AG (A)	18,494	1,359,124
Global Blood Therapeutics, Inc. (A)(B)	22,031	1,390,817
Heron Therapeutics, Inc. (A)	91,545	1,346,627
ImmunoGen, Inc. (A)	322,465	1,483,339
Iovance Biotherapeutics, Inc. (A)	58,808	1,614,280
Karyopharm Therapeutics, Inc. (A)(B)	62,254	1,179,091
Kodiak Sciences, Inc. (A)(B)	24,854	1,345,098
Mersana Therapeutics, Inc. (A)	71,658	1,676,797
Mirati Therapeutics, Inc. (A)	25,802	2,945,814
Principia Biopharma, Inc. (A)	18,169	1,086,325
PTC Therapeutics, Inc. (A)	40,972	2,078,919
RAPT Therapeutics, Inc. (A)(B)	29,603	859,079
UroGen Pharma, Ltd. (A)(B)	49,500	1,292,940
Y-mAbs Therapeutics, Inc. (A)	67,421	2,912,587
		43,576,291
Health care equipment and supplies – 5.6%		
Globus Medical, Inc., Class A (A)	60,828	2,902,104
Hill-Rom Holdings, Inc.	19,461	2,136,429
Insulet Corp. (A)	16,937	3,290,182
Kangji Medical Holdings Ltd. (A)	20,600	79,205
Novocure, Ltd. (A)	37,570	2,227,901
Tandem Diabetes Care, Inc. (A)(B)	61,161	6,050,042
		16,685,863
Health care providers and services – 2.2%		
ILife Healthcare, Inc. (A)(B)	46,121	1,675,115
LHC Group, Inc. (A)	27,522	4,797,635
		6,472,750
Health care technology – 4.2%		
Health Catalyst, Inc. (A)(B)	88,242	2,574,019
Livongo Health, Inc. (A)(B)	80,000	6,015,200
Omniceil, Inc. (A)	56,168	3,966,584
		12,555,803
Life sciences tools and services – 0.5%		
NanoString Technologies, Inc. (A)(B)	46,656	1,369,354
Pharmaceuticals – 2.3%		
MyoKardia, Inc. (A)	31,814	3,073,869
Reata Pharmaceuticals, Inc., Class A (A)(B)	9,271	1,446,461
Revance Therapeutics, Inc. (A)	86,925	2,122,709
		6,643,039
		87,303,100
Industrials – 15.6%		
Aerospace and defense – 2.1%		
Axon Enterprise, Inc. (A)(B)	18,239	1,789,793
Curtiss-Wright Corp.	48,741	4,351,596
		6,141,389
Building products – 1.6%		
Advanced Drainage Systems, Inc.	97,076	4,795,554
Commercial services and supplies – 1.0%		
Tetra Tech, Inc.	37,838	2,993,743
Construction and engineering – 2.2%		
Argan, Inc.	73,414	3,478,355

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
Comfort Systems USA, Inc.	77,300	\$ 3,149,975
		6,628,330
Machinery – 4.6%		
Chart Industries, Inc. (A)	32,531	1,577,428
ITT, Inc.	76,705	4,505,652
Kennametal, Inc. (B)	87,695	2,517,723
Rexnord Corp.	168,662	4,916,497
		13,517,300
Professional services – 1.5%		
TriNet Group, Inc. (A)	71,093	4,332,407
Road and rail – 1.0%		
Saia, Inc. (A)(B)	28,137	3,128,272
Trading companies and distributors – 1.6%		
BMC Stock Holdings, Inc. (A)	115,814	2,911,564
Rush Enterprises, Inc., Class A	44,807	1,857,698
		4,769,262
		46,306,257
Information technology – 22.0%		
Communications equipment – 0.5%		
Lumentum Holdings, Inc. (A)(B)	18,389	1,497,416
Electronic equipment, instruments and components – 2.5%		
II-VI, Inc. (A)(B)	68,247	3,222,623
Novanta, Inc. (A)	39,519	4,219,444
		7,442,067
IT services – 2.8%		
Endava PLC, ADR (A)	48,675	2,351,003
LiveRamp Holdings, Inc. (A)	86,476	3,672,636
Perficient, Inc. (A)	64,400	2,304,232
		8,327,871
Semiconductors and semiconductor equipment – 5.4%		
ACM Research, Inc., Class A (A)(B)	51,579	3,216,466
Entegris, Inc.	43,874	2,590,760
First Solar, Inc. (A)	63,842	3,160,179
MKS Instruments, Inc.	19,828	2,245,323
Tower Semiconductor, Ltd. (A)	253,499	4,839,296
		16,052,024
Software – 10.8%		
2U, Inc. (A)(B)	79,133	3,003,889
Avalara, Inc. (A)	15,603	2,076,603
Five9, Inc. (A)(B)	28,431	3,146,459
HubSpot, Inc. (A)	13,335	2,991,707
j2 Global, Inc. (A)	28,871	1,824,936
Manhattan Associates, Inc. (A)(B)	37,114	3,496,139
Mimecast, Ltd. (A)	52,509	2,187,525
PagerDuty, Inc. (A)	116,938	3,346,766
Paylocity Holding Corp. (A)(B)	22,163	3,233,360
Q2 Holdings, Inc. (A)	31,020	2,661,206
Rapid7, Inc. (A)	79,521	4,057,161
		32,025,751
		65,345,129
Materials – 0.7%		
Chemicals – 0.7%		
Ingevity Corp. (A)	39,445	2,073,624
Real estate – 1.6%		
Equity real estate investment trusts – 0.7%		
Essential Properties Realty Trust, Inc.	148,718	2,206,975
Real estate management and development – 0.9%		
Redfin Corp. (A)	60,056	2,516,947
		4,723,922
TOTAL COMMON STOCKS (Cost \$244,277,046)		\$ 289,450,494

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES – 0.9%		
Consumer discretionary – 0.3%		
Diversified consumer services – 0.3%		
The Honest Company, Inc., Series D (A)(C)(D)	26,954	\$ 1,065,492
Information technology – 0.6%		
Software – 0.6%		
MarkLogic Corp., Series F (A)(C)(D)	153,423	1,715,269
TOTAL PREFERRED SECURITIES (Cost \$3,015,165)		\$ 2,780,761
WARRANTS – 0.0%		
DraftKings, Inc. (Expiration Date: 4-25-23) (A)(C)(E)	709	9,852
TOTAL WARRANTS (Cost \$4,692)		\$ 9,852
SHORT-TERM INVESTMENTS – 16.7%		
Short-term funds – 15.1%		
John Hancock Collateral Trust, 0.2429% (F)(G)	4,462,430	44,674,722
Repurchase agreement – 1.6%		
Societe Generale SA Tri-Party Repurchase Agreement dated 6-30-20 at 0.070% to be repurchased at \$4,700,009 on 7-1-20, collateralized by \$4,417,140 Federal National Mortgage Association, 3.000% - 5.695% due 1-1-24 to 11-1-49 (valued at \$4,794,001)	\$ 4,700,000	4,700,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$49,376,031)		\$ 49,374,722
Total Investments (Small Cap Stock Trust) (Cost \$296,672,934) – 115.3%		\$ 341,615,829
Other assets and liabilities, net – (15.3%)		(45,326,263)
TOTAL NET ASSETS – 100.0%		\$ 296,289,566

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	Restricted security as to resale, excluding 144A securities. 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)	Strike price and/or expiration date not available.
(F)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

Small Cap Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.2%		
Consumer discretionary – 7.5%		
Auto components – 2.4%		
Cooper Tire & Rubber Company	150,820	\$ 4,164,140
Gentherm, Inc. (A)	109,099	4,243,951
		8,408,091
Hotels, restaurants and leisure – 0.7%		
Aramark	33,010	745,036
Wyndham Hotels & Resorts, Inc.	46,130	1,966,061
		2,711,097

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables – 3.0%		
Helen of Troy, Ltd. (A)	22,280	\$ 4,201,117
TRI Pointe Group, Inc. (A)	436,585	6,413,434
		10,614,551
Specialty retail – 0.4%		
Monro, Inc.	16,570	910,356
The Cato Corp., Class A	70,696	578,293
		1,488,649
Textiles, apparel and luxury goods – 1.0%		
Kontoor Brands, Inc.	195,670	3,484,883
		26,707,271
Consumer staples – 4.5%		
Beverages – 0.9%		
C&C Group PLC	1,182,861	3,371,817
Food products – 1.7%		
Cranswick PLC	124,050	5,556,705
Post Holdings, Inc. (A)	4,095	358,804
		5,915,509
Household products – 1.9%		
Spectrum Brands Holdings, Inc.	145,695	6,687,401
		15,974,727
Energy – 4.0%		
Energy equipment and services – 1.4%		
Bristow Group, Inc. (A)	74,634	1,039,652
SEACOR Holdings, Inc. (A)	135,693	3,842,826
		4,882,478
Oil, gas and consumable fuels – 2.6%		
Dorian LPG, Ltd. (A)	393,423	3,045,094
Kosmos Energy, Ltd.	1,153,060	1,914,080
Magnolia Oil & Gas Corp., Class A (A)	519,600	3,148,776
Scorpio Tankers, Inc. (B)	80,322	1,028,919
		9,136,869
		14,019,347
Financials – 18.1%		
Banks – 11.8%		
1st Source Corp.	103,185	3,671,322
Atlantic Union Bankshares Corp.	189,950	4,399,242
Banc of California, Inc.	415,914	4,504,349
First Busey Corp.	229,283	4,276,128
First Midwest Bancorp, Inc.	397,176	5,302,300
Flushing Financial Corp.	254,936	2,936,863
Great Western Bancorp, Inc.	250,066	3,440,908
Hancock Whitney Corp.	127,225	2,697,170
International Bancshares Corp.	195,029	6,244,829
Synovus Financial Corp.	188,988	3,879,924
Webster Financial Corp.	12,125	346,896
		41,699,931
Capital markets – 1.2%		
Solar Capital, Ltd.	267,414	4,281,298
Insurance – 4.0%		
Alleghany Corp.	1,743	852,571
Argo Group International Holdings, Ltd.	28,420	989,869
Assured Guaranty, Ltd.	11,350	277,054
Kemper Corp. (B)	99,515	7,216,828
Reinsurance Group of America, Inc.	5,920	464,365
White Mountains Insurance Group, Ltd.	5,060	4,493,128
		14,293,815
Thriffs and mortgage finance – 1.1%		
Northwest Bancshares, Inc.	367,455	3,757,227
		64,032,271
Health care – 3.4%		

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies – 1.6%		
Lantheus Holdings, Inc. (A)	250,580	\$ 3,583,294
Natus Medical, Inc. (A)	91,865	2,004,494
		5,587,788
Health care providers and services – 0.3%		
AMN Healthcare Services, Inc. (A)	29,290	1,325,080
Health care technology – 1.5%		
Allscripts Healthcare Solutions, Inc. (A)	776,522	5,257,054
		12,169,922
Industrials – 30.7%		
Aerospace and defense – 1.0%		
Hexcel Corp.	79,390	3,590,016
Air freight and logistics – 1.4%		
Forward Air Corp.	99,935	4,978,762
Building products – 3.5%		
American Woodmark Corp. (A)	94,020	7,112,613
Tyman PLC	2,257,969	5,285,190
		12,397,803
Commercial services and supplies – 4.9%		
ACCO Brands Corp.	677,845	4,812,700
BrightView Holdings, Inc. (A)	303,622	3,400,566
Clean Harbors, Inc. (A)	9,080	544,618
Mathews International Corp., Class A (B)	58,730	1,121,743
SP Plus Corp. (A)	162,013	3,355,289
Steelcase, Inc., Class A	238,200	2,872,692
UniFirst Corp.	6,590	1,179,281
		17,286,889
Construction and engineering – 2.9%		
Primoris Services Corp.	259,680	4,611,917
Valmont Industries, Inc.	50,550	5,743,491
		10,355,408
Electrical equipment – 1.3%		
Thermon Group Holdings, Inc. (A)	315,688	4,599,574
Machinery – 7.5%		
Albany International Corp., Class A	33,854	1,987,568
ESCO Technologies, Inc.	31,552	2,667,091
Luxfer Holdings PLC	384,139	5,435,567
Mueller Industries, Inc.	291,695	7,753,253
TriMas Corp. (A)	368,621	8,828,473
		26,671,952
Professional services – 5.3%		
CBIZ, Inc. (A)	126,813	3,039,708
Forrester Research, Inc. (A)	136,748	4,381,406
Huron Consulting Group, Inc. (A)	148,106	6,553,691
ICF International, Inc.	71,565	4,639,559
		18,614,364
Road and rail – 1.4%		
Saia, Inc. (A)(B)	45,250	5,030,895
Trading companies and distributors – 1.5%		
GATX Corp. (B)	86,205	5,256,781
		108,782,444
Information technology – 9.0%		
Electronic equipment, instruments and components – 5.0%		
Belden, Inc.	202,614	6,595,086
Coherent, Inc. (A)	28,230	3,697,565
CTS Corp.	206,520	4,138,661
Rogers Corp. (A)	25,702	3,202,469
		17,633,781
IT services – 1.8%		
ExlService Holdings, Inc. (A)	38,890	2,465,626

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
WNS Holdings, Ltd., ADR (A)	74,239	\$ 4,081,660
		6,547,286
Semiconductors and semiconductor equipment – 2.0%		
Onto Innovation, Inc. (A)	208,406	7,094,140
Software – 0.2%		
CDK Global, Inc.	17,240	714,081
		31,989,288
Materials – 6.1%		
Chemicals – 3.9%		
Element Solutions, Inc. (A)	417,560	4,530,526
Orion Engineered Carbons SA	443,555	4,697,247
Stepan Company	48,890	4,747,219
		13,974,992
Containers and packaging – 0.2%		
Sealed Air Corp.	22,470	738,140
Paper and forest products – 2.0%		
Louisiana-Pacific Corp.	60,947	1,563,291
Neenah, Inc.	110,285	5,454,696
		7,017,987
		21,731,119
Real estate – 10.9%		
Equity real estate investment trusts – 10.9%		
Alexander & Baldwin, Inc.	375,690	4,579,661
Brandywine Realty Trust	489,630	5,332,071
Corporate Office Properties Trust	234,607	5,944,941
Lexington Realty Trust	323,570	3,413,664
Physicians Realty Trust	382,130	6,694,918
PotlatchDeltic Corp.	200,537	7,626,422
RPT Realty	707,672	4,925,397
		38,517,074
Utilities – 2.0%		
Gas utilities – 2.0%		
New Jersey Resources Corp.	86,473	2,823,343
Spire, Inc.	55,320	3,635,077
UGI Corp.	21,165	673,047
		7,131,467
TOTAL COMMON STOCKS (Cost \$384,154,429)		\$ 341,054,930
SHORT-TERM INVESTMENTS – 5.9%		
Short-term funds – 2.2%		
John Hancock Collateral Trust, 0.2429% (C)(D)	786,429	7,873,177
Repurchase agreement – 3.7%		
Bank of America Tri-Party Repurchase Agreement dated 6-30-20 at 0.090% to be repurchased at \$13,200,033 on 7-1-20, collateralized by \$15,462,000 Federal National Mortgage Association, 0.000% due 11-15-30 (valued at \$13,464,047)	\$ 13,200,000	13,200,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$21,073,099)		\$ 21,073,177
Total Investments (Small Cap Value Trust) (Cost \$405,227,528) – 102.1%		\$ 362,128,107
Other assets and liabilities, net – (2.1%)		(7,486,434)
TOTAL NET ASSETS – 100.0%		\$ 354,641,673

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	The rate shown is the annualized seven-day yield as of 6-30-20.

Small Cap Value Trust (continued)

(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 – 98.6%		
Communication services – 2.1%		
Media – 2.1%		
Boston Omaha Corp., Class A (A)(B)	16,045	\$ 256,720
Cable One, Inc.	1,092	1,938,136
Scholastic Corp.	12,445	372,603
		2,567,459
Consumer discretionary – 10.5%		
Auto components – 1.8%		
Dorman Products, Inc. (A)	9,807	657,755
LCI Industries	8,262	949,965
Visteon Corp. (A)	8,432	577,592
		2,185,312
Distributors – 1.1%		
Pool Corp.	4,745	1,290,023
Diversified consumer services – 1.3%		
Strategic Education, Inc.	10,034	1,541,724
Hotels, restaurants and leisure – 1.3%		
BJ's Restaurants, Inc.	8,500	177,990
Marriott Vacations Worldwide Corp.	5,513	453,224
Papa John's International, Inc.	9,393	745,898
Red Robin Gourmet Burgers, Inc. (A)(B)	21,948	223,870
		1,600,982
Household durables – 1.3%		
Cavco Industries, Inc. (A)	6,469	1,247,547
Meritage Homes Corp. (A)	5,107	388,745
		1,636,292
Specialty retail – 2.8%		
Aaron's, Inc.	29,699	1,348,335
Express, Inc. (A)(B)	88,924	136,943
Lumber Liquidators Holdings, Inc. (A)(B)	34,962	484,573
Monro, Inc. (B)	9,697	532,753
Sportsman's Warehouse Holdings, Inc. (A)	65,316	930,753
		3,433,357
Textiles, apparel and luxury goods – 0.9%		
Hanesbrands, Inc. (B)	28,766	324,768
Steven Madden, Ltd.	30,315	748,477
		1,073,245
		12,760,935
Consumer staples – 3.1%		
Beverages – 0.4%		
Coca-Cola Consolidated, Inc.	1,962	449,671
Food and staples retailing – 0.4%		
Grocery Outlet Holding Corp. (A)	13,204	538,723
Food products – 2.3%		
Nomad Foods, Ltd. (A)	68,928	1,478,506
Post Holdings, Inc. (A)	9,640	844,657
The Simply Good Foods Company (A)	25,280	469,702
		2,792,865
		3,781,259
Energy – 4.6%		
Energy equipment and services – 1.9%		
Cactus, Inc., Class A	32,836	677,407
ChampionX Corp. (A)	79,447	775,403
Dril-Quip, Inc. (A)	10,384	309,339
Frank's International NV (A)	18,106	40,376

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
Liberty Oilfield Services, Inc., Class A (B)	83,710	\$ 458,731
		2,261,256
Oil, gas and consumable fuels – 2.7%		
International Seaways, Inc.	28,592	467,194
Kimbell Royalty Partners LP (B)	40,316	346,718
Kosmos Energy, Ltd.	114,904	190,741
Magnolia Oil & Gas Corp., Class A (A)	67,123	406,765
Matador Resources Company (A)(B)	46,100	391,850
REX American Resources Corp. (A)	10,177	705,978
WPX Energy, Inc. (A)	121,776	776,931
		3,286,177
		5,547,433
Financials – 27.6%		
Banks – 14.5%		
Atlantic Capital Bancshares, Inc. (A)	18,845	229,155
BankUnited, Inc.	47,601	963,920
BOK Financial Corp.	4,077	230,106
Columbia Banking System, Inc.	35,547	1,007,580
CrossFirst Bankshares, Inc. (A)	41,145	402,398
East West Bancorp, Inc.	17,831	646,195
FB Financial Corp. (B)	25,996	643,921
Glacier Bancorp, Inc. (B)	26,201	924,633
HarborOne Bancorp, Inc. (A)	74,693	637,878
Heritage Commerce Corp.	22,882	171,729
Heritage Financial Corp.	20,439	408,780
Home BancShares, Inc.	114,550	1,761,779
Hope Bancorp, Inc.	54,963	506,759
Howard Bancorp, Inc. (A)	39,245	416,782
Independent Bank Corp. (Massachusetts)	7,360	493,782
Live Oak Bancshares, Inc. (B)	21,500	311,965
National Bank Holdings Corp., Class A	32,108	866,916
Origin Bancorp, Inc.	22,079	485,738
Pinnacle Financial Partners, Inc.	26,367	1,107,150
Popular, Inc.	18,706	695,302
Prosperity Bancshares, Inc.	15,446	917,183
South State Corp.	14,017	668,050
Towne Bank	50,070	943,319
Webster Financial Corp.	25,918	741,514
Western Alliance Bancorp	30,104	1,140,038
Wintrust Financial Corp.	5,465	238,383
		17,560,955
Capital markets – 2.5%		
Hamilton Lane, Inc., Class A	2,207	148,686
Hercules Capital, Inc.	56,220	588,623
Houlihan Lokey, Inc.	21,414	1,191,475
Main Street Capital Corp.	14,139	440,147
Virtus Investment Partners, Inc.	6,020	700,066
		3,068,997
Consumer finance – 1.2%		
Green Dot Corp., Class A (A)	22,775	1,117,797
PRA Group, Inc. (A)(B)	9,164	354,280
		1,472,077
Diversified financial services – 0.5%		
Cannae Holdings, Inc. (A)	10,599	435,619
Conyers Park II Acquisition Corp. (A)	18,812	220,100
		655,719
Insurance – 2.8%		
Assured Guaranty, Ltd.	7,974	194,645
BRP Group, Inc., Class A (A)	24,433	421,958
Employers Holdings, Inc.	13,818	416,613
James River Group Holdings, Ltd.	6,236	280,620
Palomar Holdings, Inc. (A)	6,089	522,193

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Primerica, Inc.	353	\$ 41,160
ProAssurance Corp.	21,682	313,739
Safety Insurance Group, Inc.	6,132	467,626
Selectquote, Inc. (A)	9,467	239,799
State Auto Financial Corp.	24,864	443,822
		3,342,175
Mortgage real estate investment trusts – 2.0%		
Capstead Mortgage Corp.	98,548	541,029
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	37,137	1,056,919
PennyMac Mortgage Investment Trust	34,337	601,928
Redwood Trust, Inc.	33,111	231,777
		2,431,653
Thriffs and mortgage finance – 4.1%		
Meridian Bancorp, Inc.	43,579	505,516
PCSB Financial Corp.	28,206	357,652
PennyMac Financial Services, Inc. (B)	39,025	1,630,855
Radian Group, Inc.	53,938	836,578
Walker & Dunlop, Inc.	6,355	322,898
WSFS Financial Corp.	44,456	1,275,887
		4,929,386
		33,460,962
Health care – 8.5%		
Biotechnology – 1.3%		
Accelaron Pharma, Inc. (A)	1,400	133,378
Legend Biotech Corp., ADR (A)	837	35,623
Momenta Pharmaceuticals, Inc. (A)	21,736	723,157
Radius Health, Inc. (A)	8,197	111,725
Ultragenyx Pharmaceutical, Inc. (A)(B)	3,458	270,485
Xencor, Inc. (A)	8,256	267,412
		1,541,780
Health care equipment and supplies – 4.9%		
Atrion Corp.	1,494	951,693
Avanos Medical, Inc. (A)	19,105	561,496
Envista Holdings Corp. (A)	27,270	575,124
Mesa Laboratories, Inc. (B)	2,165	469,372
Quidel Corp. (A)(B)	11,898	2,662,059
West Pharmaceutical Services, Inc.	3,371	765,790
		5,985,534
Health care providers and services – 1.9%		
Molina Healthcare, Inc. (A)	1,800	320,364
Option Care Health, Inc. (A)(B)	12,591	174,763
Select Medical Holdings Corp. (A)	53,059	781,559
The Ensign Group, Inc.	15,105	632,144
The Pennant Group, Inc. (A)	17,557	396,788
		2,305,618
Health care technology – 0.3%		
Phreesia, Inc. (A)	12,053	340,859
Pharmaceuticals – 0.1%		
Cara Therapeutics, Inc. (A)(B)	11,835	202,379
		10,376,170
Industrials – 13.3%		
Aerospace and defense – 1.7%		
Cubic Corp.	17,852	857,432
Parsons Corp. (A)	16,416	594,916
Triumph Group, Inc.	71,432	643,602
		2,095,950
Building products – 1.1%		
UFP Industries, Inc.	26,817	1,327,710
Commercial services and supplies – 2.3%		
Brady Corp., Class A	11,555	541,005

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
McGrath RentCorp	14,589	\$ 787,952
MSA Safety, Inc.	5,739	656,771
Stericycle, Inc. (A)	15,438	864,219
		2,849,947
Construction and engineering – 0.8%		
Aegion Corp. (A)	60,864	965,912
Electrical equipment – 0.3%		
Thermon Group Holdings, Inc. (A)	25,681	374,172
Machinery – 3.0%		
Blue Bird Corp. (A)	22,961	344,185
CIRCOR International, Inc. (A)	20,345	518,391
ESCO Technologies, Inc.	14,014	1,184,603
Helios Technologies, Inc.	17,969	669,345
RBC Bearings, Inc. (A)	3,728	499,701
SPX Corp. (A)	9,113	375,000
		3,591,225
Marine – 0.3%		
Kirby Corp. (A)	5,708	305,720
Professional services – 2.0%		
Clarivate PLC (A)	34,513	770,675
FTI Consulting, Inc. (A)	13,509	1,547,456
Korn Ferry	4,900	150,577
		2,468,708
Road and rail – 1.0%		
Landstar System, Inc.	8,048	903,871
Ryder System, Inc.	9,698	363,772
		1,267,643
Trading companies and distributors – 0.8%		
Beacon Roofing Supply, Inc. (A)	24,142	636,625
Rush Enterprises, Inc., Class A	7,245	300,378
		937,003
		16,183,990
Information technology – 10.0%		
Communications equipment – 0.7%		
Harmonic, Inc. (A)	174,381	828,310
Electronic equipment, instruments and components – 3.4%		
Belden, Inc. (B)	43,782	1,425,104
Knowles Corp. (A)	57,562	878,396
Littelfuse, Inc.	10,627	1,813,285
		4,116,785
IT services – 0.7%		
I3 Verticals, Inc., Class A (A)	23,077	698,079
Shift4 Payments, Inc., Class A (A)(B)	2,561	90,916
		788,995
Semiconductors and semiconductor equipment – 2.9%		
Cabot Microelectronics Corp.	6,768	944,407
Entegris, Inc.	15,865	936,828
MaxLinear, Inc. (A)	36,360	780,286
Onto Innovation, Inc. (A)	10,928	371,989
Semtech Corp. (A)(B)	9,525	497,396
		3,530,906
Software – 2.3%		
Ceridian HCM Holding, Inc. (A)	19,331	1,532,368
Rosetta Stone, Inc. (A)	30,751	518,462
Workiva, Inc. (A)	6,427	343,780
Zendesk, Inc. (A)	4,887	432,646
		2,827,256
		12,092,252
Materials – 4.3%		

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals – 1.5%		
American Vanguard Corp.	23,177	\$ 318,916
Minerals Technologies, Inc.	13,947	654,533
Quaker Chemical Corp. (B)	4,318	801,637
		1,775,086
Containers and packaging – 0.4%		
Myers Industries, Inc.	35,469	516,074
Metals and mining – 1.7%		
Alcoa Corp. (A)(B)	30,746	345,585
Carpenter Technology Corp.	21,180	514,250
Constellium SE (A)	70,713	543,076
Reliance Steel & Aluminum Company	6,683	634,417
		2,037,328
Paper and forest products – 0.7%		
Clearwater Paper Corp. (A)	24,761	894,615
		5,223,103
Real estate – 8.7%		
Equity real estate investment trusts – 7.9%		
Acadia Realty Trust	18,320	237,794
American Campus Communities, Inc.	15,125	528,770
Cedar Realty Trust, Inc.	228,417	226,133
Douglas Emmett, Inc.	12,086	370,557
EastGroup Properties, Inc.	9,195	1,090,619
Healthcare Realty Trust, Inc.	28,488	834,414
JBG SMITH Properties	35,224	1,041,574
PotlatchDeltic Corp.	27,027	1,027,837
PS Business Parks, Inc.	6,233	825,249
Saul Centers, Inc.	17,586	567,500
Sunstone Hotel Investors, Inc.	90,847	740,403
Terreno Realty Corp.	30,353	1,597,782
Washington Real Estate Investment Trust	22,881	507,958
		9,596,590
Real estate management and development – 0.8%		
The St. Joe Company (A)(B)	48,159	935,248
		10,531,838
Utilities – 5.9%		
Electric utilities – 2.0%		
MGE Energy, Inc.	10,308	664,969
PNM Resources, Inc. (B)	36,892	1,418,128
Portland General Electric Company	7,765	324,655
		2,407,752
Gas utilities – 3.4%		
Chesapeake Utilities Corp.	18,001	1,512,084
ONE Gas, Inc. (B)	18,419	1,419,184
RGC Resources, Inc.	9,684	234,062
Southwest Gas Holdings, Inc.	13,046	900,826
		4,066,156
Water utilities – 0.5%		
California Water Service Group	13,656	651,391
		7,125,299
TOTAL COMMON STOCKS (Cost \$113,410,072)		\$ 119,650,700
SHORT-TERM INVESTMENTS – 7.4%		
Short-term funds – 7.4%		
John Hancock Collateral Trust, 0.2429% (C)(D)	780,369	7,812,508

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Small Company Value 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, 0.1158% (C)	500,000	\$ 500,000
T. Rowe Price Government Reserve Fund, 0.2119% (C)	575,642	575,642
TOTAL SHORT-TERM INVESTMENTS (Cost \$8,888,267)		\$ 8,888,150
Total Investments (Small Company Value Trust) (Cost \$122,298,339) – 106.0%		\$ 128,538,850
Other assets and liabilities, net – (6.0%)		(7,220,909)
TOTAL NET ASSETS – 100.0%		\$ 121,317,941

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(C)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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 – 96.6%		
Communication services – 7.8%		
Diversified telecommunication services – 1.7%		
Alaska Communications Systems Group, Inc.	9,957	\$ 27,780
Anterix, Inc. (A)	2,274	103,103
AT&T, Inc.	1,269,265	38,369,881
ATN International, Inc.	1,881	113,932
Bandwidth, Inc., Class A (A)(B)	3,241	411,607
BT Group PLC	1,795,321	2,539,030
Cellnex Telecom SA (A)(C)	50,568	3,088,579
CenturyLink, Inc.	175,961	1,764,889
Cincinnati Bell, Inc. (A)	8,505	126,299
Cogent Communications Holdings, Inc.	7,127	551,345
Consolidated Communications Holdings, Inc. (A)	12,475	84,456
Deutsche Telekom AG	673,114	11,294,336
Elisa OYJ	28,706	1,746,803
HKT Trust & HKT, Ltd.	767,421	1,126,166
IDT Corp., Class B (A)	3,022	19,734
Iliad SA	2,987	583,092
Infrastrutture Wireless Italiane SpA (C)	48,499	486,846
Iridium Communications, Inc. (A)	19,865	505,366
Koninklijke KPN NV	721,598	1,919,389
Liberty Latin America, Ltd., Class A (A)	10,458	101,652
Liberty Latin America, Ltd., Class C (A)	16,571	156,430
Nippon Telegraph & Telephone Corp.	259,916	6,055,896
Ooma, Inc. (A)(B)	3,719	61,289
Orange SA	402,765	4,816,245
ORBCOMM, Inc. (A)	13,714	52,799
PCCW, Ltd.	871,317	498,187
Proximus SADP	30,750	626,595
Singapore Telecommunications, Ltd.	1,484,752	2,641,222
Singapore Telecommunications, Ltd.	258,829	459,970
Spark New Zealand, Ltd.	371,970	1,100,534
Swisscom AG	5,238	2,746,812
Telecom Italia SpA	1,690,744	666,719
Telecom Italia SpA, Savings Shares	1,209,893	470,891
Telefonica Deutschland Holding AG	210,354	620,373
Telefonica SA	943,255	4,511,374

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified telecommunication services (continued)		
Telenor ASA	145,647	\$ 2,126,572
Telia Company AB	510,178	1,908,678
Telstra Corp., Ltd.	841,557	1,826,708
TPG Telecom, Ltd. (A)	75,129	461,434
Tuas, Ltd. (A)	37,564	17,498
United Internet AG	20,700	879,481
Verizon Communications, Inc.	737,153	40,639,245
Vonage Holdings Corp. (A)	39,118	393,527
		138,702,764
Entertainment – 1.4%		
Activision Blizzard, Inc.	137,256	10,417,730
AMC Entertainment Holdings, Inc., Class A (B)	9,228	39,588
Bolloré SA	178,037	561,772
Cinemark Holdings, Inc.	57,179	660,417
Electronic Arts, Inc. (A)	51,428	6,791,067
Eros International PLC (A)(B)	12,445	39,326
Gaia, Inc. (A)	2,476	20,749
Glu Mobile, Inc. (A)	21,923	203,226
IMAX Corp. (A)	8,390	94,052
Konami Holdings Corp.	18,809	627,635
Liberty Media Corp.-Liberty Braves, Class A (A)	2,969	59,618
Liberty Media Corp.-Liberty Braves, Class C (A)	5,063	99,944
Live Nation Entertainment, Inc. (A)	25,309	1,121,948
LiveXLive Media, Inc. (A)	5,508	19,939
Netflix, Inc. (A)	78,348	35,651,474
Nexon Company, Ltd.	97,806	2,206,154
Nintendo Company, Ltd.	22,639	10,121,186
Square Enix Holdings Company, Ltd.	18,500	937,286
Take-Two Interactive Software, Inc. (A)	20,298	2,832,992
The Marcus Corp.	4,067	53,969
The Walt Disney Company	321,773	35,880,907
Toho Company, Ltd.	22,608	816,626
Ubisoft Entertainment SA (A)	18,269	1,512,863
Vivendi SA	167,506	4,328,303
World Wrestling Entertainment, Inc., Class A (B)	16,965	737,129
		115,835,900
Interactive media and services – 3.1%		
Alphabet, Inc., Class A (A)	53,452	75,797,609
Alphabet, Inc., Class C (A)	52,100	73,649,081
Auto Trader Group PLC (C)	194,663	1,267,403
CarGurus, Inc. (A)	14,610	370,364
Cars.com, Inc. (A)	11,642	67,058
DHI Group, Inc. (A)	9,687	20,343
Eventbrite, Inc., Class A (A)(B)	10,826	92,779
EverQuote, Inc., Class A (A)	2,377	138,246
Facebook, Inc., Class A (A)	428,353	97,266,116
Kakaku.com, Inc.	27,000	687,804
Liberty TripAdvisor Holdings, Inc., Class A (A)	13,241	28,203
LINE Corp. (A)	12,200	614,017
QuinStreet, Inc. (A)	8,122	84,956
REA Group, Ltd.	10,620	800,254
Scout24 AG (C)	21,760	1,683,522
SEEK, Ltd.	67,299	1,029,598
The Meet Group, Inc. (A)	11,844	73,907
TripAdvisor, Inc. (B)	36,905	701,564
TrueCar, Inc. (A)	18,592	47,967
Twitter, Inc. (A)	139,776	4,163,927
Yelp, Inc. (A)	35,805	828,170

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services (continued)		
Z Holdings Corp.	535,654	\$ 2,628,841
		262,041,729
Media – 0.9%		
Alice Europe NV (A)	125,689	486,106
AMC Networks, Inc., Class A (A)(B)	21,406	500,686
Boston Omaha Corp., Class A (A)	2,130	34,080
Cable One, Inc.	1,927	3,420,136
Cardlytics, Inc. (A)(B)	4,379	306,442
Central European Media Enterprises, Ltd., Class A (A)	14,947	52,912
Charter Communications, Inc., Class A (A)(B)	26,849	13,694,064
Comcast Corp., Class A	811,388	31,627,904
comScore, Inc. (A)	10,539	32,671
CyberAgent, Inc.	20,400	1,002,735
Daily Journal Corp. (A)(B)	196	52,920
Dentsu Group, Inc.	43,665	1,035,804
Discovery, Inc., Series A (A)(B)	28,506	601,477
Discovery, Inc., Series C (A)	56,355	1,085,397
DISH Network Corp., Class A (A)	45,809	1,580,869
Entercom Communications Corp., Class A	21,248	29,322
Entravision Communications Corp., Class A	12,227	17,485
Fox Corp., Class A	61,039	1,637,066
Fox Corp., Class B	28,370	761,451
Gannett Company, Inc. (B)	23,737	32,757
Gray Television, Inc. (A)	15,125	210,994
Hakuhodo DY Holdings, Inc.	46,973	560,620
Hemisphere Media Group, Inc. (A)	3,530	34,700
iHeartMedia, Inc., Class A (A)	10,252	85,604
Informa PLC	302,947	1,751,562
ITV PLC	730,120	674,797
JCDecaux SA (A)	17,246	322,161
John Wiley & Sons, Inc., Class A	16,000	624,000
Loral Space & Communications, Inc.	2,278	44,467
Media General, Inc. (A)(D)	23,288	2,215
Meredith Corp.	6,809	99,071
MSG Networks, Inc., Class A (A)(B)	6,821	67,869
National CineMedia, Inc. (B)	11,437	33,968
News Corp., Class A	69,271	821,554
News Corp., Class B	21,694	259,243
Omnicom Group, Inc.	38,173	2,084,246
Pearson PLC	155,045	1,103,736
Publicis Groupe SA	43,663	1,418,393
Schibsted ASA, B Shares (A)	19,796	467,594
Scholastic Corp.	4,940	147,904
SES SA	77,367	528,640
Sinclair Broadcast Group, Inc., Class A	8,819	162,799
TechTarget, Inc. (A)	3,995	119,970
TEGNA, Inc.	116,940	1,302,712
Telenet Group Holding NV	9,301	383,230
The EW Scripps Company, Class A	9,611	84,096
The Interpublic Group of Companies, Inc.	69,407	1,191,024
The New York Times Company, Class A	52,854	2,221,454
Tribune Publishing Company	3,039	30,360
ViacomCBS, Inc., Class B	96,301	2,245,739
WideOpenWest, Inc. (A)	8,950	47,167
WPP PLC	249,777	1,947,340
		79,071,513
Wireless telecommunication services – 0.7%		
Boingo Wireless, Inc. (A)	7,514	100,086
Gogo, Inc. (A)(B)	10,245	32,374
KDDI Corp.	332,943	9,934,068
NTT DOCOMO, Inc.	235,752	6,258,745
Shenandoah Telecommunications Company	8,133	400,876

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Wireless telecommunication services (continued)		
Softbank Corp.	386,900	\$ 4,931,518
SoftBank Group Corp.	316,474	15,959,042
Spok Holdings, Inc.	3,873	36,213
Tele2 AB, B Shares	100,757	1,341,262
Telephone & Data Systems, Inc.	35,755	710,809
T-Mobile US, Inc. (A)	103,111	10,739,011
Vodafone Group PLC	5,404,965	8,592,590
		59,036,594
		654,688,500
Consumer discretionary – 10.8%		
Auto components – 0.4%		
Adient PLC (A)	46,860	769,441
Aisin Seiki Company, Ltd.	32,658	957,269
American Axle & Manufacturing Holdings, Inc. (A)	19,110	145,236
Aptiv PLC (B)	45,404	3,537,880
BorgWarner, Inc.	36,931	1,303,664
Bridgestone Corp.	108,206	3,492,396
Cie Generale des Etablissements Michelin SCA (B)	34,280	3,573,107
Continental AG	22,201	2,182,607
Cooper Tire & Rubber Company	8,506	234,851
Cooper-Standard Holdings, Inc. (A)	3,069	40,664
Dana, Inc.	77,325	942,592
Delphi Technologies PLC (A)	31,628	449,434
Denso Corp.	87,495	3,431,295
Dorman Products, Inc. (A)	4,451	298,529
Faurecia SE (A)	15,306	601,351
Fox Factory Holding Corp. (A)	6,508	537,626
Gentex Corp.	89,692	2,311,363
Gentherm, Inc. (A)	5,477	213,055
JTEKT Corp.	41,293	322,423
Koito Manufacturing Company, Ltd.	21,066	852,321
LCI Industries	4,151	477,282
Lear Corp.	19,972	2,177,347
Modine Manufacturing Company (A)	8,882	49,029
Motorcar Parts of America, Inc. (A)	3,408	60,219
NGK Spark Plug Company, Ltd.	31,499	452,732
Pirelli & C. SpA (A)(B)(C)	80,796	343,733
Standard Motor Products, Inc.	3,522	145,106
Stanley Electric Company, Ltd.	26,367	638,281
Stoneridge, Inc. (A)	4,434	91,606
Sumitomo Electric Industries, Ltd.	152,143	1,755,076
Sumitomo Rubber Industries, Ltd. (B)	34,656	343,250
Tenneco, Inc., Class A (A)	8,873	67,080
The Goodyear Tire & Rubber Company	124,361	1,112,409
The Yokohama Rubber Company, Ltd. (B)	23,954	338,710
Toyoda Gosei Company, Ltd.	13,103	273,768
Toyota Industries Corp.	29,653	1,576,135
Valeo SA	46,186	1,218,171
Visteon Corp. (A)	14,855	1,017,568
Workhorse Group, Inc. (A)	10,928	190,038
XPEL, Inc. (A)	2,899	45,340
		38,569,984
Automobiles – 1.0%		
Bayerische Motoren Werke AG	66,843	4,267,299
Daimler AG	172,710	7,026,509
Ferrari NV	25,464	4,361,861
Fiat Chrysler Automobiles NV (A)	221,441	2,240,561
Ford Motor Company	695,858	4,230,817
General Motors Company	224,343	5,675,878
Harley-Davidson, Inc.	56,104	1,333,592
Honda Motor Company, Ltd.	329,073	8,422,179
Isuzu Motors, Ltd.	111,246	1,010,930

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Automobiles (continued)		
Mazda Motor Corp.	114,400	\$ 691,192
Mitsubishi Motors Corp.	134,337	332,945
Nissan Motor Company, Ltd.	468,376	1,736,948
Peugeot SA (A)	118,529	1,943,771
Renault SA (A)	38,728	991,190
Subaru Corp.	124,427	2,605,460
Suzuki Motor Corp.	74,343	2,538,524
Thor Industries, Inc. (B)	20,218	2,153,824
Toyota Motor Corp.	428,300	26,933,244
Volkswagen AG	6,571	1,060,938
Winnebago Industries, Inc.	5,256	350,155
Yamaha Motor Company, Ltd.	56,413	888,502
		<u>80,796,319</u>
Distributors – 0.1%		
Core-Mark Holding Company, Inc.	7,589	189,384
Funko, Inc., Class A (A)(B)	4,464	25,891
Genuine Parts Company	25,699	2,234,785
Jardine Cycle & Carriage, Ltd.	19,767	288,470
LKQ Corp. (A)	54,150	1,418,730
Pool Corp.	14,628	3,976,914
Weyco Group, Inc.	1,298	28,024
		<u>8,162,198</u>
Diversified consumer services – 0.1%		
Adtalem Global Education, Inc. (A)	27,760	864,724
American Public Education, Inc. (A)	2,516	74,474
Aspen Group, Inc. (A)	3,704	33,521
Benesse Holdings, Inc.	14,555	390,359
Carriage Services, Inc.	3,010	54,541
Collectors Universe, Inc.	1,709	58,585
Franchise Group, Inc.	3,295	72,095
Graham Holdings Company, Class B	1,565	536,279
Grand Canyon Education, Inc. (A)	17,330	1,568,885
H&R Block, Inc.	34,288	489,633
Houghton Mifflin Harcourt Company (A)	19,456	35,215
K12, Inc. (A)	6,745	183,734
Laureate Education, Inc., Class A (A)	18,277	182,130
OneSpaWorld Holdings, Ltd. (B)	7,937	37,859
Perdoceo Education Corp. (A)	11,702	186,413
Regis Corp. (A)(B)	4,123	33,726
Service Corp. International (B)	65,251	2,537,611
Strategic Education, Inc. (B)	11,847	1,820,292
Universal Technical Institute, Inc. (A)	5,291	36,772
Vivint Smart Home, Inc. (A)	11,792	204,355
WW International, Inc. (A)	25,055	635,896
		<u>10,037,099</u>
Hotels, restaurants and leisure – 1.6%		
Accel Entertainment, Inc. (A)	7,216	69,490
Accor SA (A)	38,242	1,043,686
Aristocrat Leisure, Ltd.	116,032	2,077,727
BBX Capital Corp.	12,004	30,490
BJ's Restaurants, Inc.	3,248	68,013
Bloomin' Brands, Inc.	14,908	158,919
Boyd Gaming Corp.	42,981	898,303
Brinker International, Inc.	7,433	178,392
Caesars Entertainment Corp. (A)	205,439	2,491,975
Carnival Corp. (B)	84,396	1,385,782
Carrols Restaurant Group, Inc. (A)	6,467	31,300
Century Casinos, Inc. (A)	5,176	21,480
Chipotle Mexican Grill, Inc. (A)	4,571	4,810,338
Choice Hotels International, Inc.	11,557	911,847
Churchill Downs, Inc. (B)	19,256	2,563,936
Chuy's Holdings, Inc. (A)	3,010	44,789
Compass Group PLC	360,191	4,955,673
Cracker Barrel Old Country Store, Inc.	12,729	1,411,773

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Crown Resorts, Ltd.	75,512	\$ 508,684
Darden Restaurants, Inc.	23,137	1,753,090
Dave & Buster's Entertainment, Inc. (B)	7,943	105,880
Del Taco Restaurants, Inc. (A)	5,647	33,487
Denny's Corp. (A)	9,386	94,799
Dine Brands Global, Inc. (B)	2,654	111,733
Domino's Pizza, Inc.	6,969	2,574,627
Dunkin' Brands Group, Inc.	30,075	1,961,792
El Pollo Loco Holdings, Inc. (A)(B)	3,200	47,232
Eldorado Resorts, Inc. (A)(B)	42,661	1,709,000
Everi Holdings, Inc. (A)	13,941	71,936
Evolution Gaming Group AB (C)	25,653	1,523,676
Fiesta Restaurant Group, Inc. (A)	3,486	22,241
Flutter Entertainment PLC	31,170	4,115,197
Galaxy Entertainment Group, Ltd.	437,153	2,998,759
GAN, Ltd. (A)	1,247	31,736
Genting Singapore, Ltd.	1,220,021	671,223
Golden Entertainment, Inc. (A)	3,054	27,242
GVC Holdings PLC	117,613	1,078,029
Hilton Grand Vacations, Inc. (A)	14,344	280,425
Hilton Worldwide Holdings, Inc.	49,392	3,627,842
InterContinental Hotels Group PLC	34,907	1,540,975
International Game Technology PLC	16,717	148,781
Jack in the Box, Inc. (B)	12,147	899,971
La Francaise des Jeux SAEM (B)(C)	17,375	537,029
Las Vegas Sands Corp.	59,863	2,726,161
Lindblad Expeditions Holdings, Inc. (A)	4,632	35,759
Marriott International, Inc., Class A	47,944	4,110,239
Marriott Vacations Worldwide Corp.	20,199	1,660,560
McDonald's Corp.	132,459	24,434,712
McDonald's Holdings Company Japan, Ltd.	13,561	732,939
Melco Resorts & Entertainment, Ltd., ADR	44,100	684,432
MGM Resorts International (B)	87,863	1,476,098
Monarch Casino & Resort, Inc. (A)	2,168	73,885
Nathan's Famous, Inc.	590	33,182
Noodles & Company (A)(B)	5,691	34,431
Norwegian Cruise Line Holdings, Ltd. (A)(B)	45,666	750,292
Oriental Land Company, Ltd.	40,400	5,338,699
Papa John's International, Inc. (B)	13,637	1,082,914
Penn National Gaming, Inc. (A)(B)	69,971	2,136,914
PlayAGS, Inc. (A)	5,115	17,289
RCI Hospitality Holdings, Inc.	1,712	23,728
Red Robin Gourmet Burgers, Inc. (A)(B)	2,413	24,613
Red Rock Resorts, Inc., Class A	11,158	121,734
Royal Caribbean Cruises, Ltd. (B)	30,586	1,538,476
Ruth's Hospitality Group, Inc.	4,726	38,564
Sands China, Ltd.	489,882	1,929,761
Scientific Games Corp. (A)	29,765	460,167
SeaWorld Entertainment, Inc. (A)(B)	8,551	126,640
Shake Shack, Inc., Class A (A)(B)	5,936	314,489
Six Flags Entertainment Corp.	28,848	554,170
SJM Holdings, Ltd.	399,826	448,259
Sodexo SA	17,884	1,212,676
Starbucks Corp.	208,088	15,313,196
Tabcorp Holdings, Ltd.	409,856	966,709
Texas Roadhouse, Inc.	34,965	1,838,110
The Cheesecake Factory, Inc. (B)	7,219	165,459
The Wendy's Company	65,254	1,421,232
Twin River Worldwide Holdings, Inc.	3,121	69,567
Whitbread PLC	40,661	1,118,687
Wingstop, Inc.	5,015	696,935
Wyndham Destinations, Inc.	31,183	878,737
Wyndham Hotels & Resorts, Inc.	34,097	1,453,214

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Wynn Macau, Ltd.	313,870	\$ 544,387
Wynn Resorts, Ltd.	17,294	1,288,230
Yum! Brands, Inc.	53,618	4,659,940
		132,165,485
Household durables – 0.8%		
Barratt Developments PLC	205,365	1,262,201
Beazer Homes USA, Inc. (A)	5,135	51,709
Casio Computer Company, Ltd.	39,248	684,705
Cavco Industries, Inc. (A)	1,469	283,297
Century Communities, Inc. (A)	4,950	151,767
D.R. Horton, Inc.	58,933	3,267,835
Electrolux AB, Series B (B)	45,578	766,845
Ethan Allen Interiors, Inc.	4,370	51,697
Garmin, Ltd.	25,862	2,521,545
GoPro, Inc., Class A (A)	21,909	104,287
Green Brick Partners, Inc. (A)	4,335	51,370
Hamilton Beach Brands Holding Company, Class B	853	10,151
Helen of Troy, Ltd. (A)	13,515	2,548,388
Hooker Furniture Corp.	2,298	44,696
Husqvarna AB, B Shares	84,323	693,981
Iida Group Holdings Company, Ltd.	29,700	456,440
Installed Building Products, Inc. (A)	3,871	266,247
iRobot Corp. (A)	4,663	391,226
KB Home	46,747	1,434,198
La-Z-Boy, Inc.	7,555	204,438
Legacy Housing Corp. (A)	1,672	23,776
Leggett & Platt, Inc.	23,568	828,415
Lennar Corp., A Shares	48,921	3,014,512
LGI Homes, Inc. (A)(B)	3,769	331,785
M/I Homes, Inc. (A)	4,724	162,695
MDC Holdings, Inc.	8,579	306,270
Meritage Homes Corp. (A)	6,282	478,186
Mohawk Industries, Inc. (A)	10,597	1,078,351
Newell Brands, Inc. (B)	67,995	1,079,761
Nikon Corp.	60,646	509,324
NVR, Inc. (A)	616	2,007,390
Panasonic Corp.	445,809	3,909,320
Persimmon PLC	64,326	1,820,526
PulteGroup, Inc.	44,903	1,528,049
Purple Innovation, Inc. (A)	2,479	44,622
Rinnai Corp.	7,278	609,483
SEB SA (B)	4,577	759,230
Sekisui Chemical Company, Ltd.	73,244	1,049,420
Sekisui House, Ltd.	125,726	2,400,380
Sharp Corp. (B)	42,900	460,082
Skyline Champion Corp. (A)	9,239	224,877
Sonos, Inc. (A)(B)	13,402	196,071
Sony Corp.	257,100	17,747,645
Taylor Morrison Home Corp. (A)	68,741	1,326,014
Taylor Wimpey PLC	662,386	1,169,117
Tempur Sealy International, Inc. (A)	15,857	1,140,911
The Berkeley Group Holdings PLC	25,432	1,309,753
The Lovesac Company (A)(B)	1,563	40,997
Toll Brothers, Inc.	42,334	1,379,665
TopBuild Corp. (A)	17,938	2,040,806
TRI Pointe Group, Inc. (A)	69,596	1,022,365
Tupperware Brands Corp. (B)	8,600	40,850
Turtle Beach Corp. (A)	2,429	35,755
Universal Electronics, Inc. (A)	2,357	110,355
VOXX International Corp. (A)	4,007	23,160
Whirlpool Corp. (B)	11,074	1,434,415
		66,891,356
Internet and direct marketing retail – 3.0%		
1-800-Flowers.com, Inc., Class A (A)	4,235	84,785

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Internet and direct marketing retail (continued)		
Amazon.com, Inc. (A)	74,637	\$ 205,910,048
Booking Holdings, Inc. (A)	7,292	11,611,343
Delivery Hero SE (A)(C)	25,847	2,656,225
eBay, Inc.	117,666	6,171,582
Etsy, Inc. (A)(B)	43,469	4,617,712
Expedia Group, Inc.	24,131	1,983,568
Groupon, Inc. (A)(B)	3,910	70,849
GrubHub, Inc. (A)(B)	33,681	2,367,774
Just Eat Takeaway.com NV (A)(B)(C)	24,511	2,562,010
Liquidity Services, Inc. (A)	5,299	31,582
Mercari, Inc. (A)	17,100	530,975
Ocado Group PLC (A)	93,342	2,345,719
Overstock.com, Inc. (A)	6,817	193,807
PetMed Express, Inc.	3,308	117,897
Prosus NV (A)	98,413	9,175,774
Quotient Technology, Inc. (A)	14,682	107,472
Rakuten, Inc.	173,805	1,535,219
Shutterstock, Inc.	3,262	114,072
Stamps.com, Inc. (A)	2,794	513,230
Stitch Fix, Inc., Class A (A)(B)	9,502	236,980
The RealReal, Inc. (A)(B)	10,588	135,421
The Rubicon Project, Inc. (A)	17,486	116,632
US Auto Parts Network, Inc. (A)	3,793	32,847
Waitr Holdings, Inc. (A)	13,705	36,044
Zalando SE (A)(C)	30,623	2,172,411
ZOZO, Inc.	22,000	490,428
		255,922,406
Leisure products – 0.2%		
Acushnet Holdings Corp.	5,708	198,581
Bandai Namco Holdings, Inc.	40,393	2,126,209
Brunswick Corp.	28,983	1,855,202
Callaway Golf Company (B)	15,768	276,098
Clarus Corp.	4,369	50,593
Escalade, Inc.	2,065	28,827
Hasbro, Inc.	22,699	1,701,290
Johnson Outdoors, Inc., Class A	902	82,100
Malibu Boats, Inc., Class A (A)	3,485	181,046
MasterCraft Boat Holdings, Inc. (A)	3,238	61,684
Mattel, Inc. (A)(B)	127,061	1,228,680
Nautilus, Inc. (A)	5,170	47,926
Polaris, Inc.	21,088	1,951,694
Sega Sammy Holdings, Inc.	34,936	418,785
Shimano, Inc.	14,981	2,880,676
Smith & Wesson Brands, Inc. (A)	9,259	199,254
Sturm Ruger & Company, Inc. (B)	2,831	215,156
Vista Outdoor, Inc. (A)	9,947	143,734
Yamaha Corp.	27,073	1,276,900
YETI Holdings, Inc. (A)	12,519	534,937
		15,459,372
Multiline retail – 0.5%		
Big Lots, Inc.	6,639	278,838
Dillard's, Inc., Class A (B)	1,315	33,914
Dollar General Corp.	44,842	8,542,849
Dollar Tree, Inc. (A)	42,261	3,916,749
Isetan Mitsukoshi Holdings, Ltd.	67,828	390,350
Kohl's Corp.	28,100	583,637
Macy's, Inc.	52,814	363,360
Marui Group Company, Ltd.	38,341	693,562
Next PLC	26,806	1,622,969
Nordstrom, Inc. (B)	39,679	614,628
Ollie's Bargain Outlet Holdings, Inc. (A)(B)	20,712	2,022,527
Pan Pacific International Holdings Corp.	83,200	1,831,788
Ryohin Keikaku Company, Ltd.	48,160	685,006
Target Corp.	89,074	10,682,645

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multiline retail (continued)		
Wesfarmers, Ltd.	228,965	\$ 7,119,022
		39,381,844
Specialty retail – 1.8%		
Aaron's, Inc.	36,150	1,641,210
ABC-Mart, Inc.	6,664	390,933
Abercrombie & Fitch Company, Class A (B)	10,486	111,571
Advance Auto Parts, Inc.	12,310	1,753,560
American Eagle Outfitters, Inc. (B)	82,423	898,411
America's Car-Mart, Inc. (A)	1,048	92,088
Asbury Automotive Group, Inc. (A)(B)	3,254	251,632
At Home Group, Inc. (A)(B)	8,245	53,510
AutoNation, Inc. (A)	21,084	792,337
AutoZone, Inc. (A)	4,159	4,691,851
Bed Bath & Beyond, Inc. (B)	21,533	228,250
Best Buy Company, Inc.	40,494	3,533,911
Boot Barn Holdings, Inc. (A)	4,853	104,631
Caleres, Inc.	6,695	55,836
Camping World Holdings, Inc., Class A (B)	5,563	151,091
CarMax, Inc. (A)(B)	28,992	2,596,234
Chico's FAS, Inc.	21,671	29,906
Citi Trends, Inc.	2,027	40,986
Conn's, Inc. (A)	3,137	31,652
Designer Brands, Inc., Class A	10,645	72,067
Dick's Sporting Goods, Inc. (B)	23,865	984,670
Express, Inc. (A)	12,062	18,575
Fast Retailing Company, Ltd.	11,746	6,751,265
Five Below, Inc. (A)	20,414	2,182,461
Foot Locker, Inc. (B)	38,163	1,112,833
GameStop Corp., Class A (A)(B)	9,963	43,239
Genesco, Inc. (A)	2,484	53,803
Group 1 Automotive, Inc.	2,947	194,414
GrowGeneration Corp. (A)	5,113	34,973
Guess?, Inc. (B)	7,449	72,032
Haverty Furniture Companies, Inc.	3,063	49,008
Hennes & Mauritz AB, B Shares	162,091	2,365,927
Hibbett Sports, Inc. (A)(B)	2,868	60,056
Hikari Tsushin, Inc.	4,200	960,322
Hudson, Ltd., Class A (A)	7,172	34,928
Industria de Diseno Textil SA	220,255	5,844,125
JD Sports Fashion PLC	87,940	676,844
Kingfisher PLC	425,361	1,170,247
L Brands, Inc.	41,574	622,363
Lithia Motors, Inc., Class A	3,726	563,856
Lowe's Companies, Inc.	134,498	18,173,370
Lumber Liquidators Holdings, Inc. (A)(B)	4,922	68,219
MarineMax, Inc. (A)	3,548	79,440
Monro, Inc.	5,577	306,400
Murphy USA, Inc. (A)	14,692	1,654,172
National Vision Holdings, Inc. (A)	13,606	415,255
Nitori Holdings Company, Ltd.	16,211	3,178,474
Office Depot, Inc.	88,428	207,806
OneWater Marine, Inc. Class A (A)	887	21,536
O'Reilly Automotive, Inc. (A)	13,223	5,575,742
Rent-A-Center, Inc.	8,177	227,484
RH (A)(B)	8,904	2,216,206
Ross Stores, Inc.	63,310	5,396,544
Sally Beauty Holdings, Inc. (A)(B)	60,402	756,837
Shimamura Company, Ltd.	4,470	302,762
Shoe Carnival, Inc. (B)	1,678	49,115
Signet Jewelers, Ltd. (B)	8,916	91,567
Sleep Number Corp. (A)	4,608	191,877
Sonic Automotive, Inc., Class A	4,041	128,948
Sportsman's Warehouse Holdings, Inc. (A)	7,320	104,310

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
The Buckle, Inc. (B)	4,947	\$ 77,569
The Cato Corp., Class A	4,028	32,949
The Children's Place, Inc. (B)	2,404	89,958
The Gap, Inc.	37,923	478,588
The Home Depot, Inc.	191,596	47,996,714
The Michaels Companies, Inc. (A)(B)	12,652	89,450
The TJX Companies, Inc.	213,393	10,789,150
Tiffany & Company	19,455	2,372,343
Tilly's, Inc., Class A	4,108	23,292
Tractor Supply Company	20,599	2,714,742
Ulta Beauty, Inc. (A)	10,032	2,040,709
Urban Outfitters, Inc. (A)(B)	37,382	568,954
USS Company, Ltd.	44,348	710,914
Williams-Sonoma, Inc.	28,481	2,335,727
Winmark Corp.	513	87,846
Yamada Denki Company, Ltd.	146,508	726,739
Zumiez, Inc. (A)	3,580	98,020
		151,697,336
Textiles, apparel and luxury goods – 1.3%		
adidas AG (A)	38,442	10,135,292
Burberry Group PLC	81,699	1,614,380
Carter's, Inc.	15,974	1,289,102
Cie Financiere Richemont SA	105,414	6,799,236
Columbia Sportswear Company	10,414	839,160
Crocs, Inc. (A)	11,270	414,961
Deckers Outdoor Corp. (A)	14,969	2,939,762
EssilorLuxottica SA (A)	57,441	7,387,391
Fossil Group, Inc. (A)(B)	8,268	38,446
G-III Apparel Group, Ltd. (A)	7,496	99,622
Hanesbrands, Inc. (B)	62,000	699,980
Hermes International	6,398	5,371,809
Kering SA (B)	15,297	8,363,159
Kontoor Brands, Inc.	8,696	154,876
Lakeland Industries, Inc. (A)	1,398	31,357
LVMH Moet Hennessy Louis Vuitton SE (B)	56,085	24,761,244
Moncler SpA (A)	39,132	1,504,764
Movado Group, Inc.	3,027	32,813
NIKE, Inc., Class B	220,900	21,659,245
Oxford Industries, Inc.	2,771	121,952
Pandora A/S	20,191	1,102,721
Puma SE (A)	16,740	1,297,934
PVH Corp.	12,637	607,208
Ralph Lauren Corp.	8,511	617,218
Rocky Brands, Inc.	1,419	29,175
Skechers U.S.A., Inc., Class A (A)	49,878	1,565,172
Steven Madden, Ltd.	13,813	341,043
Superior Group of Companies, Inc.	2,157	28,904
Tapestry, Inc.	49,185	653,177
The Swatch Group AG	10,492	412,604
The Swatch Group AG, Bearer Shares	5,866	1,177,375
Under Armour, Inc., Class A (A)	33,571	326,982
Under Armour, Inc., Class C (A)(B)	35,008	309,471
Unifi, Inc. (A)	2,492	32,097
VF Corp. (B)	56,802	3,461,514
Wolverine World Wide, Inc.	13,412	319,340
		106,540,486
		905,623,885
Consumer staples – 8.0%		
Beverages – 1.6%		
Anheuser-Busch InBev SA/NV (B)	153,832	7,583,364
Asahi Group Holdings, Ltd. (B)	78,081	2,742,379
Brown-Forman Corp., Class B	32,488	2,068,186

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (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)	347,800	\$ 1,018,161
Carlsberg A/S, Class B	21,609	2,865,529
Celsius Holdings, Inc. (A)(B)	5,895	69,384
Coca-Cola Amatil, Ltd.	102,515	617,496
Coca-Cola Bottlers Japan Holdings, Inc.	24,900	451,599
Coca-Cola Consolidated, Inc.	796	182,435
Coca-Cola European Partners PLC	41,458	1,565,454
Coca-Cola HBC AG	40,313	1,009,159
Constellation Brands, Inc., Class A	29,920	5,234,504
Craft Brew Alliance, Inc. (A)(B)	2,139	32,919
Davide Campari-Milano SpA (B)	117,303	992,026
Diageo PLC	471,890	15,684,371
Heineken Holding NV (B)	23,303	1,905,959
Heineken NV	52,377	4,829,565
Ito En, Ltd.	10,800	609,647
Kirin Holdings Company, Ltd. (B)	166,092	3,501,177
MGP Ingredients, Inc. (B)	2,202	80,824
Molson Coors Beverage Company, Class B	33,501	1,151,094
Monster Beverage Corp. (A)	66,598	4,616,573
National Beverage Corp. (A)	1,981	120,881
New Age Beverages Corp. (A)(B)	15,828	24,217
PepsiCo, Inc.	247,173	32,691,101
Pernod Ricard SA	42,891	6,753,888
Primo Water Corp.	26,352	362,340
Remy Cointreau SA (B)	4,559	621,966
Suntory Beverage & Food, Ltd.	28,159	1,098,714
The Boston Beer Company, Inc., Class A (A)	3,537	1,898,131
The Coca-Cola Company	688,592	30,766,291
Treasury Wine Estates, Ltd.	145,342	1,057,490
		134,206,824
Food and staples retailing – 1.4%		
Aeon Company, Ltd.	132,078	3,072,731
BJ's Wholesale Club Holdings, Inc. (A)	68,334	2,546,808
Carrefour SA	122,226	1,895,486
Casey's General Stores, Inc.	13,477	2,015,081
Casino Guichard Perrachon SA (A)(B)	8,751	324,209
Coles Group, Ltd.	269,316	3,201,457
Colruyt SA	11,185	614,721
Cosmos Pharmaceutical Corp.	4,000	613,737
Costco Wholesale Corp.	78,654	23,848,679
Dairy Farm International Holdings, Ltd.	68,500	320,080
FamilyMart Company, Ltd.	51,164	878,378
Grocery Outlet Holding Corp. (A)(B)	23,481	958,025
HF Foods Group, Inc. (A)(B)	6,141	55,576
ICA Gruppen AB	20,291	964,523
Ingles Markets, Inc., Class A	2,482	106,900
J Sainsbury PLC	357,252	924,553
Jeronimo Martins SGPS SA (A)	50,712	887,457
Kobe Bussan Company, Ltd.	12,400	704,141
Koninklijke Ahold Delhaize NV	222,315	6,058,985
Lawson, Inc.	10,189	512,512
METRO AG	36,312	344,608
Natural Grocers by Vitamin Cottage, Inc.	1,733	25,787
Performance Food Group Company (A)	22,155	645,597
PriceSmart, Inc.	3,829	231,004
Rite Aid Corp. (A)(B)	9,289	158,470
Seven & i Holdings Company, Ltd.	152,229	4,979,947
SpartanNash Company	6,045	128,456
Sprouts Farmers Market, Inc. (A)	43,143	1,104,029
Sundrug Company, Ltd.	14,492	479,623
Sysco Corp.	90,428	4,942,794
Tesco PLC	1,977,931	5,563,253
The Andersons, Inc.	5,433	74,758

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food and staples retailing (continued)		
The Chefs' Warehouse, Inc. (A)	4,255	\$ 57,783
The Kroger Company	140,054	4,740,828
Tsuruha Holdings, Inc.	7,498	1,035,572
United Natural Foods, Inc. (A)(B)	9,054	164,873
Village Super Market, Inc., Class A	1,631	45,211
Walgreens Boots Alliance, Inc.	131,267	5,564,408
Walmart, Inc.	252,246	30,214,026
Weis Markets, Inc.	1,607	80,543
Welcia Holdings Company, Ltd.	9,500	767,477
Wm Morrison Supermarkets PLC	486,430	1,145,901
Woolworths Group, Ltd.	254,650	6,564,054
		119,563,041
Food products – 2.1%		
a2 Milk Company, Ltd. (A)	148,507	1,943,917
Ajinomoto Company, Inc.	94,396	1,566,498
Alico, Inc.	1,126	35,086
Archer-Daniels-Midland Company	98,957	3,948,384
Associated British Foods PLC	71,932	1,700,773
B&G Foods, Inc. (B)	10,796	263,206
Barry Callebaut AG	611	1,166,299
Calavo Growers, Inc. (B)	2,804	176,400
Calbee, Inc.	17,600	486,458
Cal-Maine Foods, Inc. (A)(B)	5,344	237,701
Campbell Soup Company	30,144	1,496,047
Chocoladefabriken Lindt & Spruengli AG	21	1,811,392
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	218	1,800,536
Conagra Brands, Inc.	86,769	3,051,666
Danone SA	124,730	8,657,901
Darling Ingredients, Inc. (A)(B)	87,255	2,148,218
Farmer Brothers Company (A)	3,109	22,820
Flowers Foods, Inc.	70,520	1,576,827
Fresh Del Monte Produce, Inc.	5,299	130,461
Freshpet, Inc. (A)	6,550	547,973
General Mills, Inc.	107,979	6,656,905
Hormel Foods Corp. (B)	49,925	2,409,880
Hostess Brands, Inc. (A)	20,741	253,455
Ingredion, Inc.	24,531	2,036,073
J&J Snack Foods Corp.	2,525	321,003
John B. Sanfilippo & Son, Inc.	1,498	127,824
Kellogg Company	44,562	2,943,766
Kerry Group PLC, Class A	30,885	3,836,758
Kerry Group PLC, Class A (London Stock Exchange)	1,204	148,903
Kikkoman Corp.	29,346	1,417,341
Lamb Weston Holdings, Inc. (B)	26,016	1,663,203
Lancaster Colony Corp.	10,441	1,618,251
Landec Corp. (A)	4,832	38,463
Limoneira Company	3,128	45,325
McCormick & Company, Inc.	22,026	3,951,685
MEIJI Holdings Company, Ltd.	23,200	1,846,165
Mondelez International, Inc., Class A	254,292	13,001,950
Mowi ASA	88,781	1,692,313
Nestle SA	600,948	66,627,481
NH Foods, Ltd.	16,641	669,643
Nisshin Seifun Group, Inc.	39,900	595,771
Nissin Foods Holdings Company, Ltd.	12,875	1,140,722
Orkla ASA	151,777	1,332,540
Pilgrim's Pride Corp. (A)	18,979	320,555
Post Holdings, Inc. (A)	23,473	2,056,704
Sanderson Farms, Inc.	10,649	1,234,113
Seneca Foods Corp., Class A (A)	1,284	43,412
The Hain Celestial Group, Inc. (A)(B)	28,755	906,070
The Hershey Company	26,258	3,403,562
The J.M. Smucker Company (B)	20,315	2,149,530

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
The Kraft Heinz Company	111,007	\$ 3,540,013
The Simply Good Foods Company (A)	14,422	267,961
Tootsie Roll Industries, Inc. (B)	8,993	308,190
Toyo Suisan Kaisha, Ltd.	17,950	1,002,936
TreeHouse Foods, Inc. (A)	20,670	905,346
Tyson Foods, Inc., Class A	52,429	3,130,536
WH Group, Ltd. (C)	1,931,000	1,668,758
Wilmar International, Ltd.	387,303	1,145,553
Yakult Honsha Company, Ltd.	24,203	1,423,958
Yamazaki Baking Company, Ltd.	24,490	420,670
		171,071,850
Household products – 1.3%		
Central Garden & Pet Company, Class A (A)	8,378	283,093
Church & Dwight Company, Inc.	43,804	3,386,049
Colgate-Palmolive Company	152,584	11,178,304
Energizer Holdings, Inc. (B)	23,319	1,107,419
Essity AB, B Shares (A)	122,494	3,971,426
Henkel AG & Company KGaA	20,976	1,754,858
Kimberly-Clark Corp.	60,666	8,575,139
Lion Corp.	45,300	1,089,538
Oil-Dri Corp. of America	1,132	39,280
Pigeon Corp. (B)	23,300	901,828
Reckitt Benckiser Group PLC	143,327	13,185,857
The Clorox Company	22,286	4,888,880
The Procter & Gamble Company	441,017	52,732,403
Unicharm Corp.	81,500	3,342,517
WD-40 Company (B)	2,286	453,314
		106,889,905
Personal products – 0.9%		
Beiersdorf AG	20,381	2,317,608
BellRing Brands, Inc. Class A (A)	6,758	134,755
Coty, Inc., Class A	53,016	236,982
Edgewell Personal Care Company (A)	29,090	906,444
elf Beauty, Inc. (A)	4,456	84,976
Inter Parfums, Inc.	2,990	143,969
Kao Corp.	97,375	7,727,467
Kobayashi Pharmaceutical Company, Ltd.	9,900	870,451
Kose Corp.	6,700	811,015
Lifevantage Corp. (A)	2,615	35,355
L'Oreal SA (B)	50,713	16,367,436
Medifast, Inc. (B)	1,912	265,328
Nature's Sunshine Products, Inc. (A)	2,220	20,002
Nu Skin Enterprises, Inc., Class A	19,010	726,752
Pola Orbis Holdings, Inc. (B)	18,472	322,494
Shiseido Company, Ltd.	80,760	5,146,077
The Estee Lauder Companies, Inc., Class A	40,040	7,554,747
Unilever NV	295,003	15,728,884
Unilever PLC	235,961	12,727,992
USANA Health Sciences, Inc. (A)	1,962	144,070
Veru, Inc. (A)	9,278	30,989
		72,303,793
Tobacco – 0.7%		
Altria Group, Inc.	331,054	12,993,870
British American Tobacco PLC	463,156	17,763,338
Imperial Brands PLC	191,104	3,637,979
Japan Tobacco, Inc.	242,666	4,506,975
Philip Morris International, Inc.	277,391	19,434,013
Swedish Match AB	34,305	2,420,412
Turning Point Brands, Inc.	1,513	37,689
Universal Corp.	4,107	174,589

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Tobacco (continued)		
Vector Group, Ltd.	22,755	\$ 228,915
		61,197,780
		665,233,193
Energy – 2.8%		
Energy equipment and services – 0.2%		
Archrock, Inc.	22,423	145,525
Aspen Aerogels, Inc. (A)	4,141	27,248
Baker Hughes Company	116,690	1,795,859
Bristow Group, Inc. (A)	1,403	19,544
Cactus, Inc., Class A	8,276	170,734
ChampionX Corp. (A)	99,806	974,107
DMC Global, Inc. (B)	2,629	72,560
Dril-Quip, Inc. (A)	6,100	181,719
Frank's International NV (A)	27,417	61,140
Halliburton Company (B)	156,280	2,028,514
Helix Energy Solutions Group, Inc. (A)(B)	25,129	87,198
Liberty Oilfield Services, Inc., Class A	11,444	62,713
Matrix Service Company (A)	5,136	49,922
Nabors Industries, Ltd. (B)	1,282	47,460
National Energy Services Reunited Corp. (A)	4,369	30,059
National Oilwell Varco, Inc.	69,159	847,198
Newpark Resources, Inc. (A)	17,542	39,119
NexTier Oilfield Solutions, Inc. (A)	28,123	68,901
Oceaneering International, Inc. (A)	17,272	110,368
Oil States International, Inc. (A)	11,020	52,345
Patterson-UTI Energy, Inc.	31,776	110,263
ProPetro Holding Corp. (A)	14,016	72,042
RPC, Inc. (A)(B)	10,634	32,753
Schlumberger, Ltd.	247,228	4,546,523
SEACOR Holdings, Inc. (A)	3,314	93,852
Select Energy Services, Inc., Class A (A)	10,846	53,145
Solaris Oilfield Infrastructure, Inc., Class A (B)	5,804	43,066
TechnipFMC PLC	74,927	512,501
Tenaris SA (B)	95,276	619,162
Transocean, Ltd. (A)	311,620	570,265
U.S. Silica Holdings, Inc. (B)	13,037	47,064
		13,572,869
Oil, gas and consumable fuels – 2.6%		
Ampol, Ltd.	50,453	1,028,048
Antero Midstream Corp.	102,973	525,162
Antero Resources Corp. (A)	41,843	106,281
Apache Corp.	67,236	907,686
Arch Resources, Inc.	2,598	73,809
Ardmore Shipping Corp.	6,478	28,115
Berry Corp.	12,703	61,355
BP PLC	4,090,144	15,669,510
Brigham Minerals, Inc., Class A	5,818	71,852
Cabot Oil & Gas Corp.	71,003	1,219,832
Chesapeake Energy Corp. (A)	1,969	9,648
Chevron Corp.	332,588	29,676,827
Cimarex Energy Company	37,397	1,028,044
Clean Energy Fuels Corp. (A)	23,549	52,279
CNX Resources Corp. (A)	100,244	867,111
Concho Resources, Inc.	35,041	1,804,612
ConocoPhillips	191,044	8,027,669
CONSOL Energy, Inc. (A)(B)	4,675	23,702
Contango Oil & Gas Company (A)	16,267	37,251
CVR Energy, Inc.	5,066	101,877
Delek US Holdings, Inc.	10,653	185,469
Devon Energy Corp.	68,175	773,105
DHT Holdings, Inc. (B)	18,799	96,439
Diamond S Shipping, Inc. (A)(B)	4,785	38,232

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Diamondback Energy, Inc.	28,114	\$ 1,175,727
Dorian LPG, Ltd. (A)	6,029	46,664
ENEOS Holdings, Inc.	619,211	2,207,217
Energy Fuels, Inc. (A)(B)	21,163	31,956
Eni SpA	513,974	4,926,956
EOG Resources, Inc.	103,687	5,252,783
EQT Corp.	93,603	1,113,876
Equinor ASA	202,417	2,915,952
Equitrans Midstream Corp. (B)	148,865	1,237,068
Exxon Mobil Corp.	753,224	33,684,177
Falcon Minerals Corp. (B)	9,662	30,918
Frontline, Ltd.	19,808	138,260
Galp Energia SGPS SA	101,227	1,174,231
Golar LNG, Ltd. (B)	15,470	112,003
Green Plains, Inc. (A)	5,974	61,024
Gulfport Energy Corp. (A)	29,718	32,393
Hess Corp. (B)	46,508	2,409,579
HollyFrontier Corp.	26,532	774,734
Idemitsu Kosan Company, Ltd.	39,586	844,846
Inpex Corp.	206,741	1,290,944
International Seaways, Inc.	4,222	68,987
Kinder Morgan, Inc.	346,466	5,255,889
Koninklijke Vopak NV	14,252	754,391
Kosmos Energy, Ltd.	70,101	116,368
Lundin Energy AB (B)	37,526	915,845
Magnolia Oil & Gas Corp., Class A (A)	22,270	134,956
Marathon Oil Corp.	140,788	861,623
Marathon Petroleum Corp.	115,839	4,330,062
Matador Resources Company (A)	19,057	161,985
Montage Resources Corp. (A)	4,379	17,297
Murphy Oil Corp.	53,501	738,314
Neste OYJ	85,360	3,352,604
Noble Energy, Inc. (B)	85,455	765,677
Nordic American Tankers, Ltd. (B)	24,470	99,348
Occidental Petroleum Corp.	160,331	2,934,057
Oil Search, Ltd.	398,660	883,494
OMV AG	29,757	1,004,117
ONEOK, Inc. (B)	73,734	2,449,443
Origin Energy, Ltd.	355,753	1,447,646
Overseas Shipholding Group, Inc., Class A (A)	12,696	23,615
Ovintiv, Inc.	44,599	425,920
Par Pacific Holdings, Inc. (A)	7,001	62,939
PBF Energy, Inc., Class A	53,858	551,506
PDC Energy, Inc. (A)	17,239	214,453
Peabody Energy Corp.	11,341	32,662
Penn Virginia Corp. (A)	2,755	26,255
Phillips 66	77,790	5,593,101
Pioneer Natural Resources Company	29,369	2,869,351
Range Resources Corp.	36,830	207,353
Renewable Energy Group, Inc. (A)(B)	6,523	161,640
Repsol SA	284,671	2,515,344
REX American Resources Corp. (A)	995	69,023
Royal Dutch Shell PLC, A Shares	832,077	13,322,607
Royal Dutch Shell PLC, B Shares	751,124	11,387,262
Santos, Ltd.	357,471	1,328,567
Scorpio Tankers, Inc. (B)	8,675	111,127
SFL Corp., Ltd. (B)	15,745	146,271
SM Energy Company (B)	19,779	74,171
Southwestern Energy Company (A)	92,883	237,780
Talos Energy, Inc. (A)(B)	2,298	21,142
Tellurian, Inc. (A)(B)	27,588	31,726
The Williams Companies, Inc.	216,122	4,110,640
TOTAL SA (B)	499,130	19,245,658
Uranium Energy Corp. (A)(B)	33,246	29,180

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Valero Energy Corp.	72,629	\$ 4,272,038
W&T Offshore, Inc. (A)(B)	17,504	39,909
Washington H. Soul Pattinson & Company, Ltd.	21,799	296,092
Whiting Petroleum Corp. (A)(B)	17,528	19,807
Woodside Petroleum, Ltd.	190,452	2,878,237
World Fuel Services Corp.	33,864	872,337
WPX Energy, Inc. (A)	149,575	954,289
		220,299,328
		233,872,197
Financials – 12.2%		
Banks – 5.1%		
1st Source Corp.	2,943	104,712
ABN AMRO Bank NV (C)	84,927	730,851
ACNB Corp.	1,995	52,229
Allegiance Bancshares, Inc.	3,522	89,424
Amerant Bancorp, Inc. (A)	4,152	62,446
Ameris Bancorp	11,281	266,119
Ames National Corp.	1,628	32,137
Aozora Bank, Ltd. (B)	23,827	415,475
Arrow Financial Corp.	2,706	80,449
Associated Banc-Corp.	56,287	770,006
Atlantic Capital Bancshares, Inc. (A)	4,322	52,556
Atlantic Union Bankshares Corp.	13,302	308,074
Auburn National Bancorporation, Inc.	583	33,283
Australia & New Zealand Banking Group, Ltd.	572,469	7,427,870
Banc of California, Inc.	7,852	85,037
BancFirst Corp.	3,295	133,678
Banco Bilbao Vizcaya Argentaria SA	1,344,282	4,628,314
Banco Espirito Santo SA (A)	625,609	1,002
Banco Santander SA	3,353,299	8,203,711
BancorpSouth Bank	52,334	1,190,075
Bank First Corp. (B)	1,200	76,920
Bank Hapoalim BM	241,605	1,444,352
Bank Leumi Le-Israel BM	309,559	1,556,436
Bank of America Corp.	1,390,945	33,034,944
Bank of Hawaii Corp.	14,655	899,964
Bank of Marin Bancorp	2,612	87,058
Bank OZK (B)	44,278	1,039,205
Bankinter SA	135,909	651,428
BankUnited, Inc.	15,587	315,637
Bankwell Financial Group, Inc.	1,824	29,002
Banner Corp.	6,025	228,950
Banque Cantonale Vaudoise	6,177	601,532
Bar Harbor Bankshares	3,068	68,693
Barclays PLC	3,492,017	4,926,534
Baycom Corp. (A)	2,884	37,232
Berkshire Hills Bancorp, Inc.	7,926	87,345
BNP Paribas SA (A)	226,985	9,068,958
BOC Hong Kong Holdings, Ltd.	747,241	2,392,585
Boston Private Financial Holdings, Inc.	14,718	101,260
Bridge Bancorp, Inc.	3,355	76,628
Brookline Bancorp, Inc.	13,730	138,398
Bryn Mawr Bank Corp.	3,702	102,397
Business First Bancshares, Inc.	2,561	39,311
Byline Bancorp, Inc.	4,635	60,719
C&F Financial Corp.	892	29,659
Cadence Bancorp	21,390	189,515
CaixaBank SA	723,134	1,546,991
Cambridge Bancorp	1,334	79,026
Camden National Corp.	2,819	97,368
Capstar Financial Holdings, Inc.	3,965	47,580
Carter Bank & Trust	4,756	38,381
Cathay General Bancorp	40,567	1,066,912

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
CB Financial Services, Inc.	1,706	\$ 37,225
CBTX, Inc.	3,341	70,161
Central Pacific Financial Corp.	5,020	80,471
Century Bancorp, Inc., Class A	659	51,217
ChoiceOne Financial Services, Inc.	2,011	59,445
CIT Group, Inc.	52,779	1,094,109
Citigroup, Inc.	370,858	18,950,844
Citizens & Northern Corp.	2,173	44,872
Citizens Financial Group, Inc.	75,999	1,918,215
Citizens Holding Company	1,819	45,475
City Holding Company	2,723	177,458
Civista Bancshares, Inc.	3,664	56,426
CNB Financial Corp.	3,253	58,326
Coastal Financial Corp. (A)	1,450	21,054
Columbia Banking System, Inc.	12,240	346,943
Comerica, Inc.	24,768	943,661
Commerce Bancshares, Inc. (B)	36,767	2,186,533
Commerzbank AG (A)	201,445	897,812
Commonwealth Bank of Australia	357,489	17,264,688
Community Bank System, Inc.	8,637	492,482
Community Trust Bancorp, Inc.	3,060	100,246
Concordia Financial Group, Ltd.	213,946	687,849
ConnectOne Bancorp, Inc.	6,680	107,682
County Bancorp, Inc.	1,584	33,153
Credit Agricole SA (A)	232,688	2,209,531
CrossFirst Bankshares, Inc. (A)	8,624	84,343
Cullen/Frost Bankers, Inc.	20,850	1,557,704
Customers Bancorp, Inc. (A)	5,352	64,331
CVB Financial Corp.	21,856	409,581
Danske Bank A/S (A)	139,231	1,861,302
DBS Group Holdings, Ltd.	362,083	5,448,198
Dime Community Bancshares, Inc.	5,511	75,666
DNB ASA	191,365	2,554,243
Eagle Bancorp Montana, Inc.	2,277	39,574
Eagle Bancorp, Inc.	5,572	182,483
East West Bancorp, Inc.	51,824	1,878,102
Enterprise Financial Services Corp.	4,240	131,949
Equity Bancshares, Inc., Class A (A)	3,076	53,645
Erste Group Bank AG	56,397	1,331,969
Esquire Financial Holdings, Inc. (A)	1,784	30,150
Farmers & Merchants Bancorp, Inc.	1,570	33,347
Farmers National Banc Corp.	5,702	67,626
FB Financial Corp. (B)	3,145	77,902
Fidelity D&D Bancorp, Inc. (B)	946	45,493
Fifth Third Bancorp	126,822	2,445,128
Financial Institutions, Inc.	3,472	64,614
FinecoBank Banca Fineco SpA (A)	123,062	1,665,529
First Bancorp (North Carolina)	5,063	126,980
First Bancorp (Puerto Rico)	36,670	204,985
First Busey Corp.	8,772	163,598
First Capital, Inc. (B)	722	50,157
First Choice Bancorp	2,548	41,736
First Commonwealth Financial Corp.	16,891	139,857
First Community Bankshares, Inc.	3,636	81,628
First Community Corp.	2,732	41,390
First Financial Bancorp	16,689	231,810
First Financial Bankshares, Inc. (B)	73,760	2,130,926
First Financial Corp.	2,701	99,505
First Foundation, Inc.	7,011	114,560
First Horizon National Corp.	114,229	1,137,721
First Internet Bancorp	2,303	38,276
First Interstate BancSystem, Inc., Class A	7,389	228,763
First Merchants Corp.	9,317	256,870
First Mid Bancshares, Inc.	2,953	77,457
First Midwest Bancorp, Inc.	19,510	260,459

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
First Northwest Bancorp	2,399	\$ 29,796
First Republic Bank	30,546	3,237,571
First Western Financial, Inc. (A)	1,503	21,418
Flushing Financial Corp.	5,432	62,577
FNB Corp.	118,330	887,475
Franklin Financial Network, Inc.	2,652	68,289
Fukuoka Financial Group, Inc.	34,720	548,955
Fulton Financial Corp.	86,625	912,161
German American Bancorp, Inc.	4,378	136,156
Glacier Bancorp, Inc. (B)	48,612	1,715,517
Great Southern Bancorp, Inc.	2,144	86,532
Great Western Bancorp, Inc.	9,596	132,041
Hancock Whitney Corp.	46,260	980,712
Hang Seng Bank, Ltd.	154,590	2,603,646
Hanmi Financial Corp.	5,933	57,609
HarborOne Bancorp, Inc. (A)	10,070	85,998
Hawthorn Bancshares, Inc.	42	825
Heartland Financial USA, Inc.	6,056	202,513
Heritage Commerce Corp.	11,054	82,960
Heritage Financial Corp.	6,427	128,540
Hilltop Holdings, Inc.	12,228	225,607
Home BancShares, Inc.	82,181	1,263,944
HomeTrust Bancshares, Inc.	3,528	56,448
Hope Bancorp, Inc.	20,436	188,420
Horizon Bancorp, Inc.	7,965	85,146
Howard Bancorp, Inc. (A)	3,514	37,319
HSBC Holdings PLC	4,101,698	19,063,000
Huntington Bancshares, Inc.	180,675	1,632,399
IBERIABANK Corp.	8,825	401,891
Independent Bank Corp. (Massachusetts)	5,575	374,027
Independent Bank Corp. (Michigan)	4,548	67,538
Independent Bank Group, Inc.	6,294	255,033
ING Groep NV	786,092	5,479,769
International Bancshares Corp.	29,483	944,046
Intesa Sanpaolo SpA (A)	3,002,739	5,770,333
Investar Holding Corp.	2,453	35,569
Investors Bancorp, Inc.	38,945	331,033
Israel Discount Bank, Ltd., Class A	251,592	767,351
Japan Post Bank Company, Ltd.	81,600	606,877
JPMorgan Chase & Co.	542,804	51,056,144
KBC Group NV	50,430	2,897,264
KeyCorp	173,761	2,116,409
Lakeland Bancorp, Inc.	8,964	102,459
Lakeland Financial Corp.	4,155	193,581
Landmark Bancorp, Inc.	1,626	40,178
LCNB Corp.	3,093	49,364
Live Oak Bancshares, Inc. (B)	5,208	75,568
Lloyds Banking Group PLC	14,178,311	5,469,415
M&T Bank Corp.	22,851	2,375,818
Mebuki Financial Group, Inc.	190,600	443,994
Mediobanca Banca di Credito Finanziario SpA	124,975	902,481
Mercantile Bank Corp.	3,366	76,072
Metrcity Bankshares, Inc. (B)	3,384	48,493
Metropolitan Bank Holding Corp. (A)	1,465	46,997
Middlefield Banc Corp.	1,804	37,433
Midland States Bancorp, Inc.	4,431	66,243
MidWestOne Financial Group, Inc.	3,149	62,980
Mitsubishi UFJ Financial Group, Inc.	2,467,368	9,710,387
Mizrahi Tefahot Bank, Ltd.	31,416	590,310
Mizuho Financial Group, Inc.	4,867,800	5,987,611
MVB Financial Corp.	1,738	23,115
National Australia Bank, Ltd.	645,311	8,177,617
National Bank Holdings Corp., Class A	5,122	138,294
National Bankshares, Inc.	1,162	33,233

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
NBT Bancorp, Inc.	7,414	\$ 228,055
Nicolet Bankshares, Inc. (A)	1,788	97,982
Nordea Bank ABP	653,795	4,534,266
Northeast Bank	2,019	35,433
OceanFirst Financial Corp.	10,035	176,917
OFG Bancorp	8,748	116,961
Old National Bancorp	27,855	383,285
Old Second Bancorp, Inc.	6,744	52,468
Origin Bancorp, Inc.	4,068	89,496
Oversea-Chinese Banking Corp., Ltd.	668,424	4,356,645
Pacific Premier Bancorp, Inc.	14,478	313,883
PacWest Bancorp	42,665	840,927
Park National Corp.	2,528	177,921
Parke Bancorp, Inc.	2,831	38,360
Peapack-Gladstone Financial Corp.	3,582	67,091
Penns Woods Bancorp, Inc.	1,144	25,980
Peoples Bancorp, Inc.	3,793	80,715
Peoples Financial Services Corp.	1,131	43,193
People's United Financial, Inc.	75,649	875,259
People's Utah Bancorp	3,084	69,297
Pinnacle Financial Partners, Inc.	26,115	1,096,569
Plumas Bancorp	1,463	32,362
Preferred Bank	2,485	106,482
Premier Financial Bancorp, Inc.	3,515	45,062
Prosperity Bancshares, Inc.	33,940	2,015,357
QCR Holdings, Inc.	2,797	87,210
Raiffeisen Bank International AG (A)	29,747	531,677
RBB Bancorp	3,845	52,484
Red River Bancshares, Inc.	1,058	46,436
Regions Financial Corp.	170,482	1,895,760
Reliant Bancorp, Inc.	3,232	52,649
Renasant Corp.	9,412	234,359
Republic First Bancorp, Inc. (A)	11,026	26,903
Resona Holdings, Inc.	422,446	1,445,564
Richmond Mutual Bancorporation, Inc.	2,932	32,956
S&T Bancorp, Inc.	6,691	156,904
Salisbury Bancorp, Inc.	856	35,087
Sandy Spring Bancorp, Inc.	7,865	194,895
SB Financial Group, Inc.	1,918	31,877
Seacoast Banking Corp. of Florida (A)	8,798	179,479
ServisFirst Bancshares, Inc.	8,295	296,629
Seven Bank, Ltd.	120,940	331,476
Shinsei Bank, Ltd.	31,466	380,588
Sierra Bancorp	3,129	59,076
Signature Bank	19,621	2,097,877
Silvergate Capital Corp., Class A (A)	2,986	41,804
Simmons First National Corp., Class A	18,441	315,526
Skandinaviska Enskilda Banken AB, A Shares (A)	328,346	2,850,223
SmartFinancial, Inc.	2,361	38,201
Societe Generale SA (A)	163,499	2,733,651
South Plains Financial, Inc.	1,831	26,073
South State Corp.	11,897	567,011
Southern First Bancshares, Inc. (A)	1,758	48,714
Southside Bancshares, Inc.	5,524	153,125
Spirit of Texas Bancshares, Inc. (A)	2,957	36,401
Standard Chartered PLC	548,085	2,971,057
Sterling Bancorp	71,225	834,757
Stock Yards Bancorp, Inc.	3,623	145,645
Sumitomo Mitsui Financial Group, Inc.	263,258	7,429,612
Sumitomo Mitsui Trust Holdings, Inc.	68,083	1,918,604
Summit Financial Group, Inc.	1,877	30,933
SVB Financial Group (A)	9,177	1,977,919
Svenska Handelsbanken AB, A Shares (A)	314,028	2,981,796
Swedbank AB, A Shares (A)(B)	182,754	2,346,721

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Synovus Financial Corp.	53,948	\$ 1,107,552
TCF Financial Corp.	55,714	1,639,106
Texas Capital Bancshares, Inc. (A)	27,076	835,836
The Bancorp, Inc. (A)	9,006	88,259
The Bank of East Asia, Ltd.	264,199	605,621
The Bank of Kyoto, Ltd.	11,514	409,091
The Bank of NT Butterfield & Son, Ltd.	8,781	214,169
The Chiba Bank, Ltd.	107,564	508,535
The First Bancshares, Inc.	3,811	85,748
The First of Long Island Corp.	4,560	74,510
The PNC Financial Services Group, Inc.	75,579	7,951,667
The Royal Bank of Scotland Group PLC	974,058	1,462,299
The Shizuoka Bank, Ltd.	85,508	550,075
Tompkins Financial Corp.	2,481	160,694
Towne Bank	11,353	213,891
TriCo Bancshares	4,646	141,471
TriState Capital Holdings, Inc. (A)	4,934	77,513
Triumph Bancorp, Inc. (A)	3,878	94,119
Truist Financial Corp.	240,041	9,013,540
Trustmark Corp.	34,035	834,538
U.S. Bancorp	244,184	8,990,855
UMB Financial Corp.	22,890	1,179,980
Umpqua Holdings Corp.	80,660	858,222
UniCredit SpA (A)	427,727	3,947,584
United Bankshares, Inc. (B)	67,475	1,866,359
United Community Banks, Inc.	13,374	269,085
United Overseas Bank, Ltd.	237,539	3,470,887
Univest Financial Corp.	5,551	89,593
Valley National Bancorp	210,739	1,647,979
Veritex Holdings, Inc.	8,276	146,485
Washington Trust Bancorp, Inc.	3,130	102,508
Webster Financial Corp.	33,027	944,902
Wells Fargo & Company	664,649	17,015,014
WesBanco, Inc.	11,227	228,020
Westamerica Bancorporation	4,505	258,677
Westpac Banking Corp.	729,173	9,139,003
Wintrust Financial Corp.	21,086	919,771
Zions Bancorp NA	29,191	992,494
		428,235,581
Capital markets – 2.6%		
3i Group PLC	196,206	2,020,332
Affiliated Managers Group, Inc.	17,302	1,290,037
Ameriprise Financial, Inc.	21,793	3,269,822
Amundi SA (A)(C)	12,265	964,193
Artisan Partners Asset Management, Inc., Class A	9,200	299,000
Assetmark Financial Holdings, Inc. (A)	2,746	74,938
ASX, Ltd.	39,172	2,328,318
B. Riley Financial, Inc.	3,436	74,767
BGC Partners, Inc., Class A	51,749	141,792
BlackRock, Inc.	27,481	14,952,137
Blucora, Inc. (A)	8,246	94,169
BrightSphere Investment Group, Inc. (B)	10,592	131,976
Cboe Global Markets, Inc.	19,546	1,823,251
CME Group, Inc.	63,879	10,382,893
Cohen & Steers, Inc. (B)	4,115	280,026
Cowen, Inc., Class A (B)	4,750	76,998
Credit Suisse Group AG	489,734	5,095,617
Daiwa Securities Group, Inc.	291,808	1,225,856
Deutsche Bank AG (A)(B)	396,423	3,781,911
Deutsche Boerse AG	38,381	6,946,067
Diamond Hill Investment Group, Inc.	593	67,406
Donnelley Financial Solutions, Inc. (A)	5,414	45,478
E*TRADE Financial Corp.	39,378	1,958,268
Eaton Vance Corp.	41,730	1,610,778

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Ellington Financial, Inc.	7,113	\$ 83,791
EQT AB	48,061	866,583
Evercore, Inc., Class A	14,847	874,785
FactSet Research Systems, Inc. (B)	13,872	4,556,536
Federated Hermes, Inc.	51,426	1,218,796
Focus Financial Partners, Inc., Class A (A)	5,350	176,818
Franklin Resources, Inc. (B)	49,412	1,036,170
GAIN Capital Holdings, Inc.	3,851	23,183
Greenhill & Company, Inc.	2,819	28,162
Hamilton Lane, Inc., Class A	3,724	250,886
Hargreaves Lansdown PLC	67,054	1,352,218
Hong Kong Exchanges & Clearing, Ltd.	242,071	10,310,214
Houlihan Lokey, Inc.	7,434	413,628
Interactive Brokers Group, Inc., Class A	28,113	1,174,280
Intercontinental Exchange, Inc.	97,483	8,929,443
INTL. FCStone, Inc. (A)	2,778	152,790
Invesco, Ltd.	67,034	721,286
Janus Henderson Group PLC (B)	56,216	1,189,531
Japan Exchange Group, Inc.	103,000	2,385,472
Julius Baer Group, Ltd.	45,174	1,897,198
Legg Mason, Inc.	30,625	1,523,594
London Stock Exchange Group PLC	63,579	6,611,908
Macquarie Group, Ltd.	67,986	5,642,303
Magellan Financial Group, Ltd.	25,723	1,050,413
MarketAxess Holdings, Inc.	6,753	3,382,713
Moelis & Company, Class A (B)	8,921	277,978
Moody's Corp.	28,725	7,891,619
Morgan Stanley	213,325	10,303,598
MSCI, Inc.	15,145	5,055,704
Nasdaq, Inc.	20,460	2,444,356
Natixis SA (A)	190,272	501,849
Nomura Holdings, Inc.	634,913	2,853,037
Northern Trust Corp.	37,063	2,940,578
Oppenheimer Holdings, Inc., Class A	1,926	41,968
Partners Group Holding AG	3,774	3,436,955
Piper Sandler Companies	2,939	173,871
PJT Partners, Inc., Class A	3,965	203,563
Raymond James Financial, Inc.	21,726	1,495,401
S&P Global, Inc.	42,915	14,139,634
Safeguard Scientifics, Inc.	4,001	28,007
SBI Holdings, Inc.	47,690	1,034,897
Schroders PLC	25,156	918,136
Sculptor Capital Management, Inc.	3,308	42,772
SEI Investments Company	45,515	2,502,415
Silvercrest Asset Management Group, Inc., Class A	2,217	28,178
Singapore Exchange, Ltd.	162,648	978,760
St. James's Place PLC	108,182	1,272,054
Standard Life Aberdeen PLC	469,495	1,555,764
State Street Corp.	62,698	3,984,458
Stifel Financial Corp.	36,334	1,723,322
T. Rowe Price Group, Inc.	40,536	5,006,196
The Bank of New York Mellon Corp.	143,539	5,547,782
The Charles Schwab Corp.	204,115	6,886,840
The Goldman Sachs Group, Inc.	55,135	10,895,779
UBS Group AG	740,136	8,547,872
Virtus Investment Partners, Inc.	1,265	147,107
Waddell & Reed Financial, Inc., Class A (B)	10,877	168,702
Westwood Holdings Group, Inc.	1,654	26,051
WisdomTree Investments, Inc.	25,074	87,007
		217,930,941
Consumer finance – 0.3%		
Acom Company, Ltd.	80,510	308,097
American Express Company	117,588	11,194,378

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer finance (continued)		
Capital One Financial Corp.	81,110	\$ 5,076,675
Curo Group Holdings Corp.	3,289	26,871
Discover Financial Services	54,565	2,733,161
Encore Capital Group, Inc. (A)	5,292	180,881
Enova International, Inc. (A)	5,065	75,317
EZCORP, Inc., Class A (A)	8,568	53,978
FirstCash, Inc.	22,051	1,488,001
Green Dot Corp., Class A (A)	8,614	422,775
Isracard, Ltd.	9,516	21,660
LendingClub Corp. (A)	12,046	54,809
LendingTree, Inc. (A)(B)	2,823	817,343
Navient Corp. (B)	94,987	667,759
Nelnet, Inc., Class A	3,034	144,843
Oportun Financial Corp. (A)	3,485	46,838
PRA Group, Inc. (A)(B)	7,658	296,058
Regional Management Corp. (A)	1,699	30,089
SLM Corp.	137,389	965,845
Synchrony Financial	95,665	2,119,936
World Acceptance Corp. (A)	858	56,216
		26,781,530
Diversified financial services – 1.0%		
Alerus Financial Corp.	3,670	72,519
A-Mark Precious Metals, Inc. (A)	1,044	19,888
AMP, Ltd. (A)	694,116	898,134
Banco Latinoamericano de Comercio Exterior SA, Class E	6,161	70,852
Berkshire Hathaway, Inc., Class B (A)	346,314	61,820,512
Cannae Holdings, Inc. (A)	14,267	586,374
Eurazeo SE (A)	7,921	407,028
EXOR NV	21,892	1,256,540
Groupe Bruxelles Lambert SA	16,350	1,369,477
Industrivarden AB, C Shares (A)(B)	32,155	732,941
Investor AB, B Shares	92,010	4,880,937
Jefferies Financial Group, Inc.	82,712	1,286,172
Kinnevik AB, B Shares	48,859	1,289,745
L E Lundbergforetagen AB, B Shares (A)	15,418	702,809
M&G PLC	524,244	1,088,564
Mitsubishi UFJ Lease & Finance Company, Ltd.	81,396	388,409
NewStar Financial, Inc. (A)(D)	6,344	645
ORIX Corp.	267,383	3,320,162
Pargesa Holding SA, Bearer Shares	7,827	593,454
Sofina SA	3,119	823,581
Tokyo Century Corp.	8,700	445,494
Wendel SE	5,419	517,176
		82,571,413
Insurance – 3.0%		
Admiral Group PLC	38,660	1,096,357
Aegon NV	360,560	1,065,803
Aflac, Inc.	127,819	4,605,319
Ageas SA/NV	36,072	1,278,381
AIA Group, Ltd.	2,441,135	22,843,166
Alleghany Corp.	5,241	2,563,583
Allianz SE	84,245	17,214,814
Ambac Financial Group, Inc. (A)	7,746	110,923
American Equity Investment Life Holding Company	15,413	380,855
American Financial Group, Inc.	27,313	1,733,283
American International Group, Inc.	153,432	4,784,010
AMERISAFE, Inc.	3,239	198,097
Aon PLC, Class A	41,166	7,928,572
Argo Group International Holdings, Ltd.	5,497	191,461
Arthur J. Gallagher & Company	33,780	3,293,212
Assicurazioni Generali SpA	222,250	3,376,035
Assurant, Inc.	10,627	1,097,663

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Aviva PLC	791,846	\$ 2,683,863
AXA SA	390,559	8,218,500
Baloise Holding AG	9,384	1,413,704
Benefytt Technologies, Inc. (A)	1,841	37,667
Brighthouse Financial, Inc. (A)	34,373	956,257
Brown & Brown, Inc.	86,158	3,511,800
BRP Group, Inc., Class A (A)	3,569	61,637
Chubb, Ltd.	80,406	10,181,008
Cincinnati Financial Corp. (B)	26,880	1,721,126
Citizens, Inc. (A)(B)	8,536	51,131
CNO Financial Group, Inc.	76,935	1,197,878
CNP Assurances (A)	34,349	398,394
Crawford & Company, Class A	3,416	26,952
Dai-ichi Life Holdings, Inc.	217,737	2,606,312
Direct Line Insurance Group PLC	278,336	933,276
Donegal Group, Inc., Class A	2,292	32,592
eHealth, Inc. (A)	4,310	423,414
Employers Holdings, Inc.	5,078	153,102
Enstar Group, Ltd. (A)	2,013	307,526
Everest Re Group, Ltd.	7,123	1,468,763
FBL Financial Group, Inc., Class A	1,801	64,638
FedNat Holding Company	2,702	29,911
First American Financial Corp.	40,811	1,959,744
Genworth Financial, Inc., Class A (A)	270,092	623,913
Gjensidige Forsikring ASA (A)	40,523	748,710
Global Indemnity, Ltd.	1,704	40,794
Globe Life, Inc.	17,444	1,294,868
Goosehead Insurance, Inc., Class A (A)	2,194	164,901
Greenlight Capital Re, Ltd., Class A (A)(B)	5,684	37,060
Hannover Rueck SE	12,187	2,106,206
HCI Group, Inc.	1,108	51,167
Heritage Insurance Holdings, Inc.	4,482	58,669
Horace Mann Educators Corp.	7,039	258,542
Insurance Australia Group, Ltd.	466,840	1,873,596
Investors Title Company	275	33,363
James River Group Holdings, Ltd.	5,008	225,360
Japan Post Holdings Company, Ltd.	318,200	2,270,890
Japan Post Insurance Company, Ltd.	45,500	599,525
Kemper Corp.	22,466	1,629,234
Kinsale Capital Group, Inc.	3,504	543,856
Legal & General Group PLC	1,203,611	3,281,339
Lincoln National Corp.	34,421	1,266,349
Loews Corp.	43,116	1,478,448
Mapfre SA	217,983	389,249
Marsh & McLennan Companies, Inc.	90,892	9,759,074
MBIA, Inc. (A)	12,025	87,181
Medibank Pvt., Ltd.	556,907	1,154,609
Mercury General Corp. (B)	9,935	404,851
MetLife, Inc.	137,428	5,018,871
MS&AD Insurance Group Holdings, Inc.	90,051	2,479,886
Muenchener Rueckversicherungs-Gesellschaft AG	29,141	7,588,165
National General Holdings Corp.	11,445	247,326
National Western Life Group, Inc., Class A	468	95,093
NI Holdings, Inc. (A)	1,926	28,447
NN Group NV	58,960	1,981,513
Old Republic International Corp.	104,666	1,707,102
Palomar Holdings, Inc. (A)	3,255	279,149
Poste Italiane SpA (C)	105,431	920,965
Primerica, Inc. (B)	14,936	1,741,538
Principal Financial Group, Inc. (B)	45,372	1,884,753
ProAssurance Corp.	9,152	132,429
Protective Insurance Corp., Class B	2,048	30,863
Prudential Financial, Inc.	70,366	4,285,289

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Prudential PLC	525,165	\$ 7,913,218
QBE Insurance Group, Ltd.	292,857	1,807,252
Reinsurance Group of America, Inc.	24,841	1,948,528
RenaissanceRe Holdings, Ltd.	18,425	3,151,228
RLI Corp. (B)	21,274	1,746,595
RSA Insurance Group PLC	208,455	1,055,706
Safety Insurance Group, Inc.	2,486	189,582
Sampo OYJ, A Shares	95,085	3,277,559
SCOR SE (A)	31,949	882,375
Selective Insurance Group, Inc.	31,787	1,676,446
Sompo Holdings, Inc.	67,891	2,337,173
Sony Financial Holdings, Inc.	30,816	744,049
State Auto Financial Corp.	3,060	54,621
Stewart Information Services Corp.	3,950	128,415
Suncorp Group, Ltd.	254,867	1,637,750
Swiss Life Holding AG	6,447	2,398,403
Swiss Re AG	59,491	4,612,606
T&D Holdings, Inc.	108,625	933,002
The Allstate Corp.	55,957	5,427,269
The Hanover Insurance Group, Inc.	13,918	1,410,311
The Hartford Financial Services Group, Inc.	63,788	2,459,027
The Progressive Corp.	104,266	8,352,749
The Travelers Companies, Inc.	45,041	5,136,926
Third Point Reinsurance, Ltd. (A)	13,700	102,887
Tiptree, Inc.	5,190	33,476
Tokio Marine Holdings, Inc.	129,085	5,650,438
Trupanion, Inc. (A)(B)	5,078	216,780
Tryg A/S	24,486	711,424
United Fire Group, Inc.	3,591	99,507
United Insurance Holdings Corp.	3,835	29,990
Universal Insurance Holdings, Inc.	4,787	84,969
Unum Group	36,238	601,188
W.R. Berkley Corp.	25,152	1,440,958
Watford Holdings, Ltd. (A)	3,043	50,788
Willis Towers Watson PLC	22,933	4,516,654
Zurich Insurance Group AG	30,218	10,707,153
		254,530,874
Mortgage real estate investment trusts – 0.1%		
Anworth Mortgage Asset Corp.	19,065	32,411
Apollo Commercial Real Estate Finance, Inc.	26,255	257,562
Arbor Realty Trust, Inc.	17,498	161,682
Ares Commercial Real Estate Corp.	5,877	53,598
Arlington Asset Investment Corp., Class A	7,523	22,343
ARMOUR Residential REIT, Inc.	11,061	103,863
Blackstone Mortgage Trust, Inc., Class A	23,250	560,093
Broadmark Realty Capital, Inc.	21,687	205,376
Capstead Mortgage Corp.	16,697	91,667
Cherry Hill Mortgage Investment Corp.	3,105	28,007
Chimera Investment Corp.	32,527	312,584
Colony Credit Real Estate, Inc.	14,536	102,043
Ellington Residential Mortgage REIT	2,086	21,486
Granite Point Mortgage Trust, Inc.	9,591	68,863
Great Ajax Corp.	4,265	39,238
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	11,940	339,812
Invesco Mortgage Capital, Inc.	31,181	116,617
KKR Real Estate Finance Trust, Inc.	4,898	81,209
Ladder Capital Corp.	18,060	146,286
MFA Financial, Inc.	76,837	191,324
New York Mortgage Trust, Inc.	64,561	168,504
Orchid Island Capital, Inc.	12,048	56,746
PennyMac Mortgage Investment Trust	16,864	295,626
Ready Capital Corp.	6,540	56,833

John Hancock Variable Insurance Trust

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Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
Redwood Trust, Inc.	19,797	\$ 138,579
TPG RE Finance Trust, Inc.	10,300	88,580
Two Harbors Investment Corp.	46,336	233,533
Western Asset Mortgage Capital Corp.	9,980	27,345
		4,001,810
Thrifts and mortgage finance – 0.1%		
Axos Financial, Inc. (A)(B)	9,791	216,185
Capitol Federal Financial, Inc.	22,551	248,287
Columbia Financial, Inc. (A)	8,304	115,882
ESSA Bancorp, Inc.	2,466	34,327
Essent Group, Ltd.	58,820	2,133,401
Federal Agricultural Mortgage Corp., Class C	1,574	100,752
Flagstar Bancorp, Inc.	6,056	178,228
Hingham Institution for Savings	302	50,670
Home Bancorp, Inc.	1,982	53,019
HomeStreet, Inc.	4,144	101,984
Kearny Financial Corp.	13,555	110,880
Meridian Bancorp, Inc.	8,590	99,644
Meta Financial Group, Inc.	5,816	105,677
Mr. Cooper Group, Inc. (A)	13,005	161,782
New York Community Bancorp, Inc.	169,929	1,733,276
NMI Holdings, Inc., Class A (A)	11,312	181,897
Northfield Bancorp, Inc.	8,352	96,215
Northwest Bancshares, Inc.	20,019	204,694
PCSB Financial Corp.	3,774	47,854
PennyMac Financial Services, Inc. (B)	7,843	327,759
Premier Financial Corp.	6,556	115,845
Provident Financial Services, Inc.	10,575	152,809
Radian Group, Inc.	32,224	499,794
Standard AVB Financial Corp.	1,406	32,619
Territorial Bancorp, Inc.	2,263	53,837
TrustCo Bank Corp.	17,339	109,756
Walker & Dunlop, Inc.	4,802	243,990
Washington Federal, Inc.	40,588	1,089,382
Waterstone Financial, Inc.	4,744	70,354
WSFS Financial Corp.	8,525	244,668
		8,915,467
		1,022,967,616
Health care – 14.0%		
Biotechnology – 2.2%		
AbbVie, Inc.	313,948	30,823,415
Abeona Therapeutics, Inc. (A)	10,694	31,173
Achillion Pharmaceuticals, Inc. (A)(D)	23,194	10,669
ADMA Biologics, Inc. (A)(B)	10,882	31,884
Aduro Biotech, Inc. (A)	12,179	28,133
Adverum Biotechnologies, Inc. (A)	12,389	258,682
Aeglea BioTherapeutics, Inc. (A)	7,305	67,571
Affimed NV (A)	12,819	59,160
Agenus, Inc. (A)(B)	23,752	93,345
Aimmune Therapeutics, Inc. (A)(B)	7,938	132,644
Akcea Therapeutics, Inc. (A)	2,842	38,935
Akebia Therapeutics, Inc. (A)(B)	22,117	300,349
Akero Therapeutics, Inc. (A)	1,938	48,295
Albireo Pharma, Inc. (A)	2,328	61,669
Alder Biopharmaceuticals, Inc. (A)(D)	13,115	19,371
Alector, Inc. (A)	7,856	192,001
Alexion Pharmaceuticals, Inc. (A)	39,339	4,415,409
Allakos, Inc. (A)	4,128	296,638
Allogene Therapeutics, Inc. (A)	8,215	351,766
Amgen, Inc.	104,792	24,716,241
Amicus Therapeutics, Inc. (A)	43,080	649,646
AnaptysBio, Inc. (A)	3,712	82,926
Anavex Life Sciences Corp. (A)(B)	9,173	45,131

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Anika Therapeutics, Inc. (A)	2,420	\$ 91,307
Apellis Pharmaceuticals, Inc. (A)	10,190	332,805
Applied Genetic Technologies Corp. (A)	4,267	23,639
Applied Therapeutics, Inc. (A)	2,275	82,241
Aprea Therapeutics, Inc. (A)	1,243	48,204
Aptinyx, Inc. (A)	4,760	19,849
Aravive, Inc. (A)	2,179	25,364
Arcturus Therapeutics Holdings, Inc. (A)	2,221	103,810
Arcus Biosciences, Inc. (A)	5,585	138,173
Arcutis Biotherapeutics, Inc. (A)(B)	1,616	48,868
Ardelyx, Inc. (A)(B)	12,636	87,441
Arena Pharmaceuticals, Inc. (A)	9,540	600,543
Arrowhead Pharmaceuticals, Inc. (A)(B)	54,280	2,344,353
Assembly Biosciences, Inc. (A)	5,259	122,640
Atara Biotherapeutics, Inc. (A)	9,795	142,713
Athenex, Inc. (A)(B)	12,546	172,633
Athersys, Inc. (A)(B)	29,814	82,287
Atreca, Inc., Class A (A)(B)	3,671	78,119
Avid Bioservices, Inc. (A)(B)	9,908	65,046
Avrobio, Inc. (A)	5,280	92,136
Beam Therapeutics, Inc. (A)(B)	2,100	58,800
BeiGene, Ltd., ADR (A)(B)	7,800	1,469,520
Beyondspring, Inc. (A)	2,429	36,629
BioCryst Pharmaceuticals, Inc. (A)	26,300	125,320
Biogen, Inc. (A)	29,071	7,777,946
Biohaven Pharmaceutical Holding Company, Ltd. (A)	7,995	584,514
BioSpecifics Technologies Corp. (A)	1,125	68,940
Bioxcel Therapeutics, Inc. (A)(B)	1,801	95,471
Black Diamond Therapeutics, Inc. (A)(B)	2,089	88,072
Blueprint Medicines Corp. (A)	9,191	716,898
BrainStorm Cell Therapeutics, Inc. (A)	4,815	53,976
Bridgebio Pharma, Inc. (A)(B)	12,340	402,407
Cabaletta Bio, Inc. (A)	2,470	27,516
Calithera Biosciences, Inc. (A)	11,409	60,240
CareDx, Inc. (A)(B)	7,257	257,116
CASI Pharmaceuticals, Inc. (A)	9,986	24,965
Castle Biosciences, Inc. (A)(B)	1,767	66,598
Catabasis Pharmaceuticals, Inc. (A)	3,499	22,499
Catalyst Biosciences, Inc. (A)	3,312	19,441
Catalyst Pharmaceuticals, Inc. (A)	16,727	77,279
Cellular Biomedicine Group, Inc. (A)(B)	2,308	34,551
CEL-SCI Corp. (A)(B)	5,609	83,686
ChemoCentryx, Inc. (A)	7,536	433,621
Chimerix, Inc. (A)	8,959	27,773
Cidara Therapeutics, Inc. (A)	6,422	23,697
Clovis Oncology, Inc. (A)(B)	12,333	83,248
Coherus Biosciences, Inc. (A)(B)	9,816	175,314
Concert Pharmaceuticals, Inc. (A)	5,081	50,556
Constellation Pharmaceuticals, Inc. (A)	4,601	138,260
ContraFect Corp. (A)	2,569	16,416
Corbus Pharmaceuticals Holdings, Inc. (A)(B)	11,412	95,747
Cortexyme, Inc. (A)(B)	2,676	123,899
Crinetics Pharmaceuticals, Inc. (A)	4,664	81,713
CSL, Ltd.	91,645	18,227,183
Cue Biopharma, Inc. (A)	4,740	116,177
Cyclerion Therapeutics, Inc. (A)	3,990	23,581
Cytokinetics, Inc. (A)(B)	9,514	224,245
CytomX Therapeutics, Inc. (A)	7,808	65,041
Deciphera Pharmaceuticals, Inc. (A)	6,341	378,685
Denali Therapeutics, Inc. (A)(B)	10,665	257,880
DermTech, Inc. (A)	1,585	20,970
Dicerna Pharmaceuticals, Inc. (A)	11,037	280,340
Dyadic International, Inc. (A)	3,799	32,899

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Dynavax Technologies Corp. (A)	15,262	\$ 135,374
Eagle Pharmaceuticals, Inc. (A)	1,878	90,106
Editas Medicine, Inc. (A)	9,427	278,851
Eidos Therapeutics, Inc. (A)(B)	1,873	89,286
Eiger BioPharmaceuticals, Inc. (A)	4,168	40,013
Emergent BioSolutions, Inc. (A)	7,552	597,212
Enanta Pharmaceuticals, Inc. (A)	3,259	163,634
Epizyme, Inc. (A)	15,146	243,245
Esperion Therapeutics, Inc. (A)(B)	4,391	225,302
Exelixis, Inc. (A)	112,323	2,666,548
Excicure, Inc. (A)	10,883	26,555
Fate Therapeutics, Inc. (A)	10,619	364,338
Fennec Pharmaceuticals, Inc. (A)	4,278	35,721
FibroGen, Inc. (A)	14,077	570,541
Five Prime Therapeutics, Inc. (A)	4,891	29,835
Flexion Therapeutics, Inc. (A)(B)	5,905	77,651
Fortress Biotech, Inc. (A)	10,733	28,764
Frequency Therapeutics, Inc. (A)(B)	4,826	112,205
G1 Therapeutics, Inc. (A)	5,823	141,266
Galapagos NV (A)	8,484	1,674,551
Galectin Therapeutics, Inc. (A)	7,372	22,558
Genmab A/S (A)	13,135	4,429,030
Genprex, Inc. (A)	5,805	18,228
Geron Corp. (A)	32,458	70,758
Gilead Sciences, Inc.	223,391	17,187,704
GlycoMimetics, Inc. (A)	6,396	24,049
Gossamer Bio, Inc. (A)	8,460	109,980
Grifols SA (B)	60,273	1,832,782
Gritstone Oncology, Inc. (A)	5,421	35,995
Halozyne Therapeutics, Inc. (A)	23,016	617,059
Harpoon Therapeutics, Inc. (A)	1,866	30,976
Heron Therapeutics, Inc. (A)	14,884	218,944
Homology Medicines, Inc. (A)	5,855	88,937
Hookipa Pharma, Inc. (A)	2,390	27,772
Ideaya Biosciences, Inc. (A)	2,172	30,864
IGM Biosciences, Inc. (A)(B)	1,210	88,330
ImmunoGen, Inc. (A)	29,293	134,748
Immunovant, Inc. (A)	3,266	79,527
Incyte Corp. (A)	32,140	3,341,596
Inovio Pharmaceuticals, Inc. (A)(B)	24,378	656,987
Insmed, Inc. (A)	17,164	472,697
Intellia Therapeutics, Inc. (A)(B)	7,467	156,956
Intercept Pharmaceuticals, Inc. (A)	4,396	210,612
Invitae Corp. (A)	19,560	592,472
Ironwood Pharmaceuticals, Inc. (A)	27,135	280,033
IVERIC bio, Inc. (A)	7,946	40,525
Jounce Therapeutics, Inc. (A)	3,190	22,011
Kadmon Holdings, Inc. (A)(B)	27,515	140,877
KalVista Pharmaceuticals, Inc. (A)	2,507	30,335
Karuna Therapeutics, Inc. (A)	2,630	293,140
Karyopharm Therapeutics, Inc. (A)	11,918	225,727
Keros Therapeutics, Inc. (A)	1,209	45,350
Kezar Life Sciences, Inc. (A)	4,825	24,994
Kindred Biosciences, Inc. (A)	7,050	31,655
Kiniksa Pharmaceuticals, Ltd., Class A (A)(B)	3,286	83,727
Kodiak Sciences, Inc. (A)(B)	4,892	264,755
Krystal Biotech, Inc. (A)	2,053	85,035
Kura Oncology, Inc. (A)	9,027	147,140
Ligand Pharmaceuticals, Inc. (A)(B)	8,320	930,592
LogicBio Therapeutics, Inc. (A)	2,310	19,543
MacroGenics, Inc. (A)(B)	8,133	227,073
Madrigal Pharmaceuticals, Inc. (A)(B)	1,487	168,403
Magenta Therapeutics, Inc. (A)	3,080	23,131
MannKind Corp. (A)(B)	37,282	65,244

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
MedicNova, Inc. (A)(B)	7,638	\$ 41,398
MEI Pharma, Inc. (A)(B)	17,924	74,026
MeiraGTx Holdings PLC (A)	3,600	45,072
Mersana Therapeutics, Inc. (A)	7,778	182,005
Minerva Neurosciences, Inc. (A)	6,010	21,696
Mirati Therapeutics, Inc. (A)	6,227	710,937
Mirum Pharmaceuticals, Inc. (A)	966	18,798
Molecular Templates, Inc. (A)	4,179	57,628
Momenta Pharmaceuticals, Inc. (A)	19,974	664,535
Morphic Holding, Inc. (A)(B)	2,359	63,811
Myriad Genetics, Inc. (A)	12,130	137,554
NantKwest, Inc. (A)	4,931	60,553
Natera, Inc. (A)	11,820	589,345
Neoleukin Therapeutics, Inc. (A)	5,236	86,918
Neubase Therapeutics, Inc. (A)	3,318	29,132
NextCure, Inc. (A)	2,822	60,504
Novavax, Inc. (A)	9,875	823,081
Nymox Pharmaceutical Corp. (A)	7,348	26,085
Oncocyte Corp. (A)	7,799	14,896
OPKO Health, Inc. (A)(B)	67,549	230,342
Orgenesis, Inc. (A)	3,499	21,274
ORIC Pharmaceuticals, Inc. (A)	1,500	50,595
Ovid therapeutics, Inc. (A)	7,486	55,172
Oyster Point Pharma, Inc. (A)(B)	879	25,386
Passage Bio, Inc. (A)	2,322	63,460
PDL BioPharma, Inc. (A)	20,500	59,655
PeptiDream, Inc. (A)	19,000	875,433
Pfenex, Inc. (A)	6,194	51,720
Pieris Pharmaceuticals, Inc. (A)	9,225	28,598
Portola Pharmaceuticals, Inc. (A)	13,321	239,645
Precigen, Inc. (A)(B)	11,510	57,435
Precision BioSciences, Inc. (A)	7,873	65,582
Prevail Therapeutics, Inc. (A)(B)	2,522	37,578
Principia Biopharma, Inc. (A)	4,990	298,352
Protagonist Therapeutics, Inc. (A)	3,870	68,344
Prothena Corp. PLC (A)	5,389	56,369
PTC Therapeutics, Inc. (A)	10,470	531,248
Puma Biotechnology, Inc. (A)	5,292	55,196
Radius Health, Inc. (A)	7,788	106,150
RAPT Therapeutics, Inc. (A)	1,904	55,254
Regeneron Pharmaceuticals, Inc. (A)	17,969	11,206,367
REGENXBIO, Inc. (A)	5,790	213,246
Replimune Group, Inc. (A)	2,960	73,556
Retrophin, Inc. (A)	7,120	145,319
REVOLUTION Medicines, Inc. (A)	2,484	78,420
Rhythm Pharmaceuticals, Inc. (A)	5,756	128,359
Rigel Pharmaceuticals, Inc. (A)	30,245	55,348
Rocket Pharmaceuticals, Inc. (A)(B)	5,793	121,247
Rubius Therapeutics, Inc. (A)(B)	6,395	38,242
Sangamo Therapeutics, Inc. (A)	19,581	175,446
Savara, Inc. (A)	8,429	20,988
Scholar Rock Holding Corp. (A)	3,923	71,438
Selecta Biosciences, Inc. (A)	12,071	34,282
Seres Therapeutics, Inc. (A)	7,813	37,190
Sorrento Therapeutics, Inc. (A)(B)	29,748	186,817
Spectrum Pharmaceuticals, Inc. (A)	20,227	68,367
Spero Therapeutics, Inc. (A)	2,649	35,841
SpringWorks Therapeutics, Inc. (A)(B)	3,603	151,326
Stemline Therapeutics, Inc. (A)(D)	8,040	2,653
Stoke Therapeutics, Inc. (A)(B)	2,102	50,091
Sutro Biopharma, Inc. (A)(B)	3,219	24,979
Syndax Pharmaceuticals, Inc. (A)	4,629	68,602
Syros Pharmaceuticals, Inc. (A)	7,196	76,709
TCR2 Therapeutics, Inc. (A)(B)	2,926	44,943
TG Therapeutics, Inc. (A)	16,376	319,004

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Translate Bio, Inc. (A)	8,590	\$ 153,933
Turning Point Therapeutics, Inc. (A)(B)	4,720	304,865
Twist Bioscience Corp. (A)	5,082	230,215
Ultragenyx Pharmaceutical, Inc. (A)(B)	9,608	751,538
United Therapeutics Corp. (A)	16,121	1,950,641
UNITY Biotechnology, Inc. (A)	5,846	50,743
UroGen Pharma, Ltd. (A)(B)	3,355	87,633
Vanda Pharmaceuticals, Inc. (A)	9,232	105,614
Vaxart, Inc. (A)	7,819	69,198
VBI Vaccines, Inc. (A)	29,423	91,211
VeracYTE, Inc. (A)	8,507	220,331
Verastem, Inc. (A)	28,464	48,958
Vericel Corp. (A)	7,685	106,207
Vertex Pharmaceuticals, Inc. (A)	46,188	13,408,838
VieLA Bio, Inc. (A)(B)	3,393	146,985
Viking Therapeutics, Inc. (A)(B)	11,262	81,199
Vir Biotechnology, Inc. (A)(B)	7,843	321,328
Voyager Therapeutics, Inc. (A)	4,487	56,626
X4 Pharmaceuticals, Inc. (A)	2,961	27,597
XBiotech, Inc. (A)(B)	2,512	34,440
Xencor, Inc. (A)	9,419	305,081
XOMA Corp. (A)	1,151	22,744
Y-mAbs Therapeutics, Inc. (A)	5,102	220,406
Zentalis Pharmaceuticals, Inc. (A)	1,751	84,083
ZIOPHARM Oncology, Inc. (A)(B)	36,380	119,326
		180,875,984
Health care equipment and supplies – 3.1%		
Abbott Laboratories	315,106	28,810,142
ABIOMED, Inc. (A)	8,009	1,934,654
Accelerate Diagnostics, Inc. (A)(B)	5,270	79,893
Accuray, Inc. (A)(B)	16,393	33,278
Alcon, Inc. (A)	99,299	5,705,644
Align Technology, Inc. (A)	12,768	3,504,050
Alphatec Holdings, Inc. (A)	7,964	37,431
Ambu A/S, Class B	32,950	1,041,624
AngioDynamics, Inc. (A)	6,578	66,898
Antares Pharma, Inc. (A)	28,356	77,979
Apyx Medical Corp. (A)	6,130	34,022
Asahi Intecc Company, Ltd.	39,400	1,124,489
Aspira Women's Health, Inc. (A)	8,257	31,707
AtriCure, Inc. (A)	6,610	297,120
Atrion Corp.	242	154,156
Avanos Medical, Inc. (A)	25,577	751,708
Axogen, Inc. (A)	6,408	59,210
Axonics Modulation Technologies, Inc. (A)(B)	5,159	181,132
Baxter International, Inc.	90,645	7,804,535
Becton, Dickinson and Company	52,530	12,568,853
Beyond Air, Inc. (A)	2,652	19,227
BioLife Solutions, Inc. (A)	1,333	21,795
BioMerieux	8,367	1,149,076
BioSig Technologies, Inc. (A)(B)	3,808	27,418
Boston Scientific Corp. (A)	254,511	8,935,881
Cantel Medical Corp. (B)	20,007	884,910
Cardiovascular Systems, Inc. (A)	5,874	185,325
Carl Zeiss Meditec AG, Bearer Shares	8,121	790,760
Cerus Corp. (A)	27,519	181,625
Cochlear, Ltd.	12,938	1,698,617
Co-Diagnostics, Inc. (A)	4,462	86,340
Coloplast A/S, B Shares	23,987	3,738,803
CONMED Corp.	4,601	331,226
CryoLife, Inc. (A)	6,279	120,368
CryoPort, Inc. (A)(B)	5,703	172,516
Cutera, Inc. (A)	3,073	37,398
CytoSorbents Corp. (A)	6,022	59,618

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Danaher Corp.	112,096	\$ 19,821,936
Demant A/S (A)(B)	22,247	589,570
Dentsply Sirona, Inc.	39,027	1,719,530
DexCom, Inc. (A)(B)	16,443	6,665,992
DiaSorin SpA	5,084	976,359
Edwards Lifesciences Corp. (A)	110,388	7,628,915
Electromed, Inc. (A)	1,345	20,700
Fisher & Paykel Healthcare Corp., Ltd.	116,032	2,673,005
FONAR Corp. (A)	1,277	27,289
GenMark Diagnostics, Inc. (A)	11,505	169,239
Glaukos Corp. (A)(B)	7,161	275,126
Globus Medical, Inc., Class A (A)	27,714	1,322,235
GN Store Nord A/S	25,824	1,382,368
Haemonetics Corp. (A)	18,456	1,652,919
Heiska Corp. (A)	1,190	110,872
Hill-Rom Holdings, Inc.	24,378	2,676,217
Hologic, Inc. (A)	45,997	2,621,829
Hoya Corp.	76,407	7,316,657
ICU Medical, Inc. (A)	7,096	1,307,864
IDEXX Laboratories, Inc. (A)	15,130	4,995,321
Inogen, Inc. (A)	3,143	111,639
Integer Holdings Corp. (A)	5,535	404,332
Integra LifeSciences Holdings Corp. (A)	25,793	1,212,013
IntriCon Corp. (A)	1,709	23,106
Intuitive Surgical, Inc. (A)	20,775	11,838,218
Invacare Corp.	6,146	39,150
iRadimed Corp. (A)	1,169	27,132
iRhythm Technologies, Inc. (A)	4,581	530,892
Koninklijke Philips NV (A)	181,098	8,460,519
Lantheus Holdings, Inc. (A)	11,181	159,894
LeMaitre Vascular, Inc.	2,915	76,956
LivaNova PLC (A)	26,066	1,254,557
Masimo Corp. (A)	18,235	4,157,398
Medtronic PLC	238,902	21,907,313
Meridian Bioscience, Inc. (A)	7,232	168,433
Merit Medical Systems, Inc. (A)	9,173	418,747
Mesa Laboratories, Inc.	683	148,074
Misonix, Inc. (A)	2,679	36,354
Natus Medical, Inc. (A)	5,761	125,705
Neogen Corp. (A)	8,922	692,347
Nevro Corp. (A)	5,678	678,351
NuVasive, Inc. (A)(B)	27,460	1,528,424
Olympus Corp.	235,308	4,530,265
OraSure Technologies, Inc. (A)	10,594	123,208
Orthofix Medical, Inc. (A)	3,220	103,040
OrthoPediatrics Corp. (A)	2,050	89,708
Penumbra, Inc. (A)(B)	12,110	2,165,510
Pulse Biosciences, Inc. (A)	2,507	26,223
Quidel Corp. (A)(B)	13,999	3,132,136
Quotient, Ltd. (A)	10,334	76,472
Repro-Med Systems, Inc. (A)	4,313	38,731
ResMed, Inc.	25,772	4,948,224
Rockwell Medical, Inc. (A)(B)	13,008	25,366
RTI Surgical Holdings, Inc. (A)	10,393	33,050
SeaSpine Holdings Corp. (A)	4,733	49,555
Shockwave Medical, Inc. (A)	4,530	214,586
SI-BONE, Inc. (A)	4,414	70,359
Siemens Healthineers AG (C)	30,318	1,457,329
Sientra, Inc. (A)(B)	8,285	32,063
Silk Road Medical, Inc. (A)	5,381	225,410
Smith & Nephew PLC	176,528	3,289,358
Sonova Holding AG (A)	11,124	2,226,749
STAAR Surgical Company (A)	7,650	470,781
Stereotaxis, Inc. (A)	7,917	35,310
STERIS PLC	15,133	2,322,008

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Straumann Holding AG	2,082	\$ 1,799,860
Stryker Corp.	57,425	10,347,411
Surmodics, Inc. (A)	2,311	99,928
System Corp.	33,779	2,592,933
Tactile Systems Technology, Inc. (A)	3,123	129,386
Tela Bio, Inc. (A)	1,108	14,360
Teleflex, Inc.	8,270	3,010,115
Terumo Corp.	130,334	4,960,874
The Cooper Companies, Inc.	8,753	2,482,701
TransMedics Group, Inc. (A)	3,446	61,752
Utah Medical Products, Inc.	629	55,742
Vapotherm, Inc. (A)	3,266	133,873
Varex Imaging Corp. (A)	6,431	97,430
Varian Medical Systems, Inc. (A)	16,178	1,982,129
ViewRay, Inc. (A)(B)	19,640	43,994
VolitionRX, Ltd. (A)	4,610	17,933
West Pharmaceutical Services, Inc.	13,112	2,978,653
Wright Medical Group NV (A)	21,757	646,618
Zimmer Biomet Holdings, Inc.	36,840	4,397,222
Zynex, Inc. (A)(B)	2,835	70,506
		262,301,786
Health care providers and services – 2.0%		
ILife Healthcare, Inc. (A)(B)	3,582	130,098
Acadia Healthcare Company, Inc. (A)	32,578	818,359
AdaptHealth Corp. (A)	1,379	22,202
Addus HomeCare Corp. (A)	2,343	216,868
Alfresa Holdings Corp.	37,900	794,435
Amedisys, Inc. (A)	11,860	2,354,684
AmerisourceBergen Corp.	26,451	2,665,467
AMN Healthcare Services, Inc. (A)(B)	7,882	356,582
Anthem, Inc.	44,913	11,811,221
Apollo Medical Holdings, Inc. (A)	1,732	28,578
BioTelemetry, Inc. (A)	5,698	257,493
Brookdale Senior Living, Inc. (A)	31,354	92,494
Cardinal Health, Inc.	52,015	2,714,663
Catasys, Inc. (A)(B)	1,391	34,413
Centene Corp. (A)	103,167	6,556,263
Chemed Corp.	5,814	2,622,521
Cigna Corp.	65,731	12,334,422
Community Health Systems, Inc. (A)(B)	14,821	44,611
CorVel Corp. (A)	1,497	106,122
Covetrus, Inc. (A)	16,648	297,833
Cross Country Healthcare, Inc. (A)	6,635	40,872
CVS Health Corp.	232,848	15,128,135
DaVita, Inc. (A)	15,189	1,202,057
Encompass Health Corp.	36,410	2,254,871
Enzo Biochem, Inc. (A)	8,818	19,752
Fresenius Medical Care AG & Company KGaA	43,053	3,703,842
Fresenius SE & Company KGaA	84,395	4,194,671
Fulgent Genetics, Inc. (A)	1,739	27,824
Hanger, Inc. (A)	6,321	104,676
HCA Healthcare, Inc.	46,913	4,553,376
HealthEquity, Inc. (A)(B)	37,971	2,227,759
Henry Schein, Inc. (A)	25,431	1,484,916
Humana, Inc.	23,552	9,132,288
InfuSystem Holdings, Inc. (A)	2,718	31,366
Laboratory Corp. of America Holdings (A)	17,315	2,876,195
LHC Group, Inc. (A)	16,010	2,790,863
Magellan Health, Inc. (A)	3,961	289,074
McKesson Corp.	28,833	4,423,559
Medipal Holdings Corp.	37,041	714,914
MEDNAX, Inc. (A)	45,352	775,519
Molina Healthcare, Inc. (A)	21,684	3,859,318
National HealthCare Corp.	2,129	135,064

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
National Research Corp.	2,302	\$ 133,999
NMC Health PLC (A)	19,536	6,934
Option Care Health, Inc. (A)	5,761	79,963
Orpea	10,434	1,205,161
Owens & Minor, Inc.	10,689	81,450
Patterson Companies, Inc.	45,962	1,011,164
PetIQ, Inc. (A)(B)	3,522	122,706
Progyny, Inc. (A)	4,455	114,984
Quest Diagnostics, Inc.	23,823	2,714,869
R1 RCM, Inc. (A)	18,112	201,949
RadNet, Inc. (A)	7,297	115,803
Ramsay Health Care, Ltd.	36,127	1,668,430
Ryman Healthcare, Ltd.	80,556	683,434
Select Medical Holdings Corp. (A)	18,385	270,811
Sharps Compliance Corp. (A)	3,069	21,575
Sonic Healthcare, Ltd.	91,171	1,925,240
Surgery Partners, Inc. (A)	3,898	45,100
Suzuken Company, Ltd.	13,548	506,149
Tenet Healthcare Corp. (A)	56,044	1,014,957
The Ensign Group, Inc.	8,657	362,295
The Joint Corp. (A)	2,483	37,915
The Pennant Group, Inc. (A)	4,423	99,960
The Providence Service Corp. (A)	2,049	161,687
Tivity Health, Inc. (A)(B)	7,424	84,114
Triple-S Management Corp., Class B (A)	3,979	75,681
UnitedHealth Group, Inc.	168,947	49,830,918
Universal Health Services, Inc., Class B	13,836	1,285,226
US Physical Therapy, Inc.	2,165	175,408
Viamed Healthcare, Inc. (A)	6,096	58,522
		168,326,644
Health care technology – 0.1%		
Allscripts Healthcare Solutions, Inc. (A)	27,503	186,195
Cerner Corp.	54,217	3,716,575
Computer Programs & Systems, Inc.	2,345	53,443
Evolent Health, Inc., Class A (A)(B)	12,907	91,898
Health Catalyst, Inc. (A)(B)	5,461	159,297
HealthStream, Inc. (A)	4,408	97,549
HMS Holdings Corp. (A)	14,895	482,449
Icad, Inc. (A)	3,635	36,314
Inovalon Holdings, Inc., Class A (A)	12,528	241,289
Inspire Medical Systems, Inc. (A)	4,434	385,847
M3, Inc.	89,086	3,784,472
NantHealth, Inc. (A)	4,841	22,172
NextGen Healthcare, Inc. (A)	9,366	102,839
Omniceil, Inc. (A)	7,168	506,204
OptimizeRx Corp. (A)	2,708	35,285
Phreesia, Inc. (A)	4,819	136,281
Schrodinger, Inc. (A)(B)	2,327	213,083
Simulations Plus, Inc.	2,134	127,656
Tabula Rasa HealthCare, Inc. (A)(B)	3,478	190,351
Vocera Communications, Inc. (A)	5,443	115,392
		10,684,591
Life sciences tools and services – 1.0%		
Agilent Technologies, Inc.	55,006	4,860,880
Bio-Rad Laboratories, Inc., Class A (A)	3,807	1,718,822
Bio-Techne Corp.	14,000	3,696,980
Charles River Laboratories International, Inc. (A)	18,126	3,160,268
ChromaDex Corp. (A)	7,521	34,521
Codexis, Inc. (A)	9,154	104,356
Eurofins Scientific SE	2,665	1,680,907
Fluidigm Corp. (A)	12,295	49,303
Harvard Bioscience, Inc. (A)	7,781	24,121
Illumina, Inc. (A)	26,187	9,698,355
IQVIA Holdings, Inc. (A)	31,637	4,488,658

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
Lonza Group AG	15,038	\$ 7,965,587
Luminex Corp.	7,216	234,736
Medpace Holdings, Inc. (A)	4,623	430,031
Mettler-Toledo International, Inc. (A)	4,259	3,430,837
NanoString Technologies, Inc. (A)(B)	6,410	188,134
NeoGenomics, Inc. (A)	17,528	543,017
Pacific Biosciences of California, Inc. (A)	24,932	86,015
PerkinElmer, Inc.	19,843	1,946,400
Personalis, Inc. (A)	3,465	44,941
PRA Health Sciences, Inc. (A)	23,305	2,267,343
QIAGEN NV (A)	46,652	2,011,113
Quanterix Corp. (A)	3,246	88,908
Repligen Corp. (A)	17,243	2,131,407
Sartorius Stedim Biotech	5,577	1,413,977
Syneos Health, Inc. (A)	22,893	1,333,517
Thermo Fisher Scientific, Inc.	70,358	25,493,518
Waters Corp. (A)	11,029	1,989,632
		81,116,284
Pharmaceuticals – 5.6%		
AcelRx Pharmaceuticals, Inc. (A)(B)	15,321	18,538
Aerie Pharmaceuticals, Inc. (A)(B)	6,313	93,180
Agile Therapeutics, Inc. (A)	12,062	33,532
AMAG Pharmaceuticals, Inc. (A)(B)	5,607	42,894
Amneal Pharmaceuticals, Inc. (A)	16,955	80,706
Amphastar Pharmaceuticals, Inc. (A)(B)	6,077	136,489
ANI Pharmaceuticals, Inc. (A)	1,662	53,749
Aquestive Therapeutics, Inc. (A)	3,682	17,895
Arvinas, Inc. (A)(B)	4,978	166,962
Astellas Pharma, Inc.	375,947	6,278,149
AstraZeneca PLC	264,959	27,575,450
Axsome Therapeutics, Inc. (A)(B)	4,694	386,222
Bayer AG	198,361	14,703,207
BioDelivery Sciences International, Inc. (A)	15,506	67,606
Bristol-Myers Squibb Company	403,081	23,701,163
Cara Therapeutics, Inc. (A)(B)	7,032	120,247
Catalent, Inc. (A)	56,736	4,158,749
Chiasma, Inc. (A)	6,613	35,578
Chugai Pharmaceutical Company, Ltd.	135,702	7,265,477
Collegium Pharmaceutical, Inc. (A)	5,862	102,585
Corcept Therapeutics, Inc. (A)	16,307	274,284
CorMedix, Inc. (A)(B)	4,676	29,459
Cymabay Therapeutics, Inc. (A)	12,118	42,292
Daiichi Sankyo Company, Ltd.	114,486	9,363,995
Durect Corp. (A)	34,009	78,901
Eisai Company, Ltd.	50,868	4,041,405
Elanco Animal Health, Inc. (A)(D)	9,534	0
Eli Lilly & Company	150,030	24,631,925
Endo International PLC (A)	38,490	132,021
Eton Pharmaceuticals, Inc. (A)	3,033	16,530
Evoform Biosciences, Inc. (A)	8,449	23,911
Evolus, Inc. (A)(B)	3,982	21,105
Fulcrum Therapeutics, Inc. (A)(B)	2,185	39,964
GlaxoSmithKline PLC	1,012,974	20,461,757
H Lundbeck A/S (B)	14,048	530,795
Harrow Health, Inc. (A)	4,400	22,924
Hikma Pharmaceuticals PLC	29,369	805,918
Hisamitsu Pharmaceutical Company, Inc.	10,284	555,910
IMARA, Inc. (A)	867	23,955
Innoviva, Inc. (A)	10,835	151,473
Intersect ENT, Inc. (A)	5,655	76,569
Intra-Cellular Therapies, Inc. (A)	9,335	239,629
Ipsen SA	7,597	644,465
Johnson & Johnson	469,333	66,002,300
Kala Pharmaceuticals, Inc. (A)	6,794	71,405

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Kyowa Kirin Company, Ltd.	54,559	\$ 1,436,251
Lannett Company, Inc. (A)	5,651	41,026
Liquidia Technologies, Inc. (A)	3,577	30,118
Mallinckrodt PLC (A)(B)	14,788	39,632
Marinus Pharmaceuticals, Inc. (A)(B)	14,948	37,968
Menlo Therapeutics, Inc. (A)	18,762	32,458
Merck & Company, Inc.	449,650	34,771,435
Merck KGaA	26,121	3,041,733
Mylan NV (A)	92,090	1,480,807
MyoKardia, Inc. (A)	8,419	813,444
Nektar Therapeutics (A)(B)	65,194	1,509,893
NGM Biopharmaceuticals, Inc. (A)	3,990	78,763
Nippon Shinyaku Company, Ltd.	9,200	750,928
Novartis AG	433,795	37,792,660
Novo Nordisk A/S, B Shares	357,267	23,275,135
Ocular Therapeutix, Inc. (A)(B)	8,893	74,079
Odonate Therapeutics, Inc. (A)	2,238	94,757
Omeros Corp. (A)(B)	8,952	131,773
Ono Pharmaceutical Company, Ltd.	74,700	2,180,233
Optinose, Inc. (A)	5,673	42,207
Orion OYJ, Class B	21,223	1,029,195
Otsuka Holdings Company, Ltd.	78,793	3,433,950
Pacira BioSciences, Inc. (A)	7,012	367,920
Paratek Pharmaceuticals, Inc. (A)(B)	7,493	39,113
Perrigo Company PLC	24,283	1,342,121
Pfizer, Inc.	989,552	32,358,350
Phathom Pharmaceuticals, Inc. (A)(B)	1,834	60,357
Phibro Animal Health Corp., Class A	3,572	93,836
Prestige Consumer Healthcare, Inc. (A)	26,881	1,009,650
Provention Bio, Inc. (A)	7,235	102,086
Recordati SpA	21,128	1,057,216
Relmada Therapeutics, Inc. (A)	2,404	107,579
Revance Therapeutics, Inc. (A)(B)	9,646	235,555
Roche Holding AG	141,856	49,145,946
Sanofi	227,880	23,240,241
Santen Pharmaceutical Company, Ltd.	72,700	1,338,368
Satsuma Pharmaceuticals, Inc. (A)	1,601	46,045
Shionogi & Company, Ltd.	54,411	3,413,383
SIGA Technologies, Inc. (A)	9,448	55,838
Strongbridge Biopharma PLC (A)	6,832	25,825
Sumitomo Dainippon Pharma Company, Ltd.	36,092	500,149
Supernus Pharmaceuticals, Inc. (A)	8,316	197,505
Taisho Pharmaceutical Holdings Company, Ltd.	6,816	418,278
Takeda Pharmaceutical Company, Ltd.	318,298	11,435,790
Teva Pharmaceutical Industries, Ltd., ADR (A)	221,708	2,733,660
TherapeuticsMD, Inc. (A)(B)	41,315	51,644
Theravance Biopharma, Inc. (A)	7,852	164,813
Tricida, Inc. (A)	4,822	132,509
UCB SA	25,536	2,963,361
Verrica Pharmaceuticals, Inc. (A)	2,295	25,268
Vifor Pharma AG	9,180	1,388,813
WaVe Life Sciences, Ltd. (A)	3,647	37,942
Xeris Pharmaceuticals, Inc. (A)	6,954	18,498
Zoetis, Inc.	84,607	11,594,543
Zogenix, Inc. (A)	9,433	254,785
		471,396,702
		1,174,701,991
Industrials – 10.6%		
Aerospace and defense – 1.4%		
AAR Corp.	5,739	118,625
Aerojet Rocketdyne Holdings, Inc. (A)	12,365	490,149
AeroVironment, Inc. (A)	3,659	291,366

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Aerospace and defense (continued)		
Airbus SE (A)	118,807	\$ 8,512,972
Astronics Corp. (A)	4,270	45,091
Axon Enterprise, Inc. (A)(B)	21,913	2,150,323
BAE Systems PLC	649,471	3,883,486
Cubic Corp.	5,316	255,327
Curtiss-Wright Corp.	15,256	1,362,056
Dassault Aviation SA (A)(B)	516	473,428
Ducommun, Inc. (A)	1,873	65,312
General Dynamics Corp.	41,393	6,186,598
Hexcel Corp.	30,581	1,382,873
Howmet Aerospace, Inc.	68,366	1,083,601
Huntington Ingalls Industries, Inc.	7,210	1,258,073
Kratos Defense & Security Solutions, Inc. (A)	17,887	279,574
L3Harris Technologies, Inc.	38,456	6,524,830
Leonardo SpA	83,435	556,206
Lockheed Martin Corp.	43,962	16,042,613
Maxar Technologies, Inc. (B)	10,233	183,785
Mercury Systems, Inc. (A)	20,365	1,601,911
Moog, Inc., Class A	5,017	265,801
MTU Aero Engines AG	10,791	1,878,719
National Presto Industries, Inc.	878	76,728
Northrop Grumman Corp.	27,618	8,490,878
PAE, Inc. (A)	10,031	95,896
Park Aerospace Corp.	3,629	40,427
Parsons Corp. (A)	3,685	133,544
Raytheon Technologies Corp.	262,009	16,144,995
Rolls-Royce Holdings PLC (A)	391,811	1,383,333
Safran SA (A)	64,906	6,528,977
Singapore Technologies Engineering, Ltd.	321,252	766,747
Teledyne Technologies, Inc. (A)(B)	6,531	2,030,814
Textron, Inc. (B)	40,553	1,334,599
Thales SA	21,719	1,757,836
The Boeing Company	95,504	17,505,883
TransDigm Group, Inc.	8,958	3,959,884
Triumph Group, Inc.	8,815	79,423
Vectrus, Inc. (A)	1,958	96,197
		115,318,880
Air freight and logistics – 0.5%		
Air Transport Services Group, Inc. (A)	9,989	222,455
Atlas Air Worldwide Holdings, Inc. (A)(B)	4,376	188,299
C.H. Robinson Worldwide, Inc. (B)	23,980	1,895,859
Deutsche Post AG	199,802	7,336,699
DSV Panalpina A/S	42,714	5,246,770
Echo Global Logistics, Inc. (A)	4,534	98,025
Expeditors International of Washington, Inc.	29,648	2,254,434
FedEx Corp.	42,817	6,003,800
Forward Air Corp.	4,714	234,851
Hub Group, Inc., Class A (A)	5,535	264,905
Radiant Logistics, Inc. (A)	7,665	30,123
SG Holdings Company, Ltd.	32,400	1,057,329
United Parcel Service, Inc., Class B	125,433	13,945,641
XPO Logistics, Inc. (A)(B)	33,377	2,578,373
Yamato Holdings Company, Ltd.	62,293	1,352,219
		42,709,782
Airlines – 0.2%		
Alaska Air Group, Inc.	21,838	791,846
Allegiant Travel Company	2,208	241,136
American Airlines Group, Inc. (B)	67,049	876,330
ANA Holdings, Inc. (A)	23,249	531,308
Delta Air Lines, Inc.	101,125	2,836,556
Deutsche Lufthansa AG (A)(B)	48,277	484,339
Hawaiian Holdings, Inc.	7,795	109,442
Japan Airlines Company, Ltd.	22,940	413,964

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Airlines (continued)		
JetBlue Airways Corp. (A)	98,788	\$ 1,076,789
Qantas Airways, Ltd.	147,379	390,539
Singapore Airlines, Ltd.	273,027	736,960
SkyWest, Inc.	8,342	272,116
Southwest Airlines Company	95,545	3,265,728
Spirit Airlines, Inc. (A)(B)	14,653	260,823
United Airlines Holdings, Inc. (A)	45,012	1,557,865
		13,845,741
Building products – 0.7%		
A. O. Smith Corp.	24,066	1,133,990
AAON, Inc.	6,903	374,764
Advanced Drainage Systems, Inc.	8,334	411,700
AGC, Inc.	38,976	1,117,423
Allegion PLC (B)	16,428	1,679,270
Alpha Pro Tech, Ltd. (A)	2,183	38,639
American Woodmark Corp. (A)	2,878	217,721
Apogee Enterprises, Inc.	4,457	102,689
Assa Abloy AB, B Shares	202,473	4,144,112
Builders FirstSource, Inc. (A)	19,574	405,182
Caesarstone, Ltd.	4,147	49,142
Carrier Global Corp.	145,042	3,222,833
Cie de Saint-Gobain (A)	104,469	3,769,339
Cornerstone Building Brands, Inc. (A)	7,713	46,741
CSW Industrials, Inc.	2,363	163,307
Daikin Industries, Ltd.	50,297	8,138,053
Fortune Brands Home & Security, Inc.	24,888	1,591,090
Geberit AG	7,487	3,756,494
Gibraltar Industries, Inc. (A)	5,532	265,591
Griffon Corp. (B)	6,290	116,491
Insteel Industries, Inc.	3,322	63,351
JELD-WEN Holding, Inc. (A)	11,532	185,781
Johnson Controls International PLC	132,513	4,523,994
Kingspan Group PLC	31,069	2,005,699
Lennox International, Inc.	12,748	2,970,157
LIXIL Group Corp.	53,750	754,880
Masco Corp.	46,986	2,359,167
Masonite International Corp. (A)	4,133	321,465
Nibe Industrier AB, B Shares (A)	62,963	1,396,508
Owens Corning	39,500	2,202,520
Patrick Industries, Inc.	3,782	231,648
PGT Innovations, Inc. (A)	9,891	155,091
Quanex Building Products Corp.	5,832	80,948
Resideo Technologies, Inc. (A)	21,006	246,190
Simpson Manufacturing Company, Inc.	7,317	617,262
TOTO, Ltd.	28,600	1,099,625
Trane Technologies PLC	42,613	3,791,705
Trex Company, Inc. (A)(B)	21,190	2,756,183
UFP Industries, Inc.	10,058	497,972
		57,004,717
Commercial services and supplies – 0.6%		
ABM Industries, Inc.	11,334	411,424
ACCO Brands Corp.	15,827	112,372
Advanced Disposal Services, Inc. (A)	12,353	372,690
Brady Corp., Class A	8,142	381,208
Brambles, Ltd.	311,897	2,364,924
BrightView Holdings, Inc. (A)	5,308	59,450
Casella Waste Systems, Inc., Class A (A)	7,768	404,868
CECO Environmental Corp. (A)	6,156	40,568
Cimpress PLC (A)(B)	3,008	229,631
Cintas Corp.	15,014	3,999,129
Clean Harbors, Inc. (A)	18,729	1,123,365
Copart, Inc. (A)	36,805	3,064,752
Covanta Holding Corp.	20,125	192,999
Dai Nippon Printing Company, Ltd.	49,073	1,128,206
Deluxe Corp.	22,394	527,155

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
Ennis, Inc.	4,601	\$ 83,462
Harsco Corp. (A)	13,277	179,372
Healthcare Services Group, Inc. (B)	39,911	976,223
Heritage-Crystal Clean, Inc. (A)	2,766	48,294
Herman Miller, Inc.	31,515	744,069
HNI Corp.	22,873	699,228
Interface, Inc.	9,914	80,700
KAR Auction Services, Inc.	69,138	951,339
Kimball International, Inc., Class B	6,499	75,128
Knoll, Inc.	8,691	105,943
Mathews International Corp., Class A	5,257	100,409
McGrath RentCorp	4,102	221,549
Mobile Mini, Inc.	7,472	220,424
MSA Safety, Inc.	13,092	1,498,248
Park24 Company, Ltd.	21,900	375,476
PICO Holdings, Inc. (A)	3,982	33,568
Pitney Bowes, Inc. (B)	29,732	77,303
Quad/Graphics, Inc.	6,231	20,251
Rentokil Initial PLC	373,702	2,362,981
Republic Services, Inc.	37,425	3,070,721
Rollins, Inc.	25,107	1,064,286
Secom Company, Ltd.	42,455	3,725,116
Securitas AB, B Shares (A)	63,299	855,943
Sohgo Security Services Company, Ltd.	14,400	672,386
SP Plus Corp. (A)	4,010	83,047
Steelcase, Inc., Class A	14,662	176,824
Stericycle, Inc. (A)	33,484	1,874,434
Team, Inc. (A)	5,609	31,242
Tetra Tech, Inc.	28,844	2,282,137
The Brink's Company	26,996	1,228,588
Toppan Printing Company, Ltd.	52,962	885,467
UniFirst Corp.	2,536	453,817
US Ecology, Inc.	5,296	179,428
Viad Corp.	3,499	66,551
VSE Corp.	1,631	51,197
Waste Management, Inc.	69,166	7,325,371
		47,293,263
Construction and engineering – 0.4%		
ACS Actividades de Construccion y		
Servicios SA	51,529	1,324,239
AECOM (A)	58,636	2,203,541
Aegion Corp. (A)	5,394	85,603
Ameresco, Inc., Class A (A)	4,225	117,371
API Group Corp. (A)(C)	23,411	284,444
Arcosa, Inc.	8,215	346,673
Argan, Inc.	2,549	120,772
Bouygues SA (A)	45,988	1,575,295
CIMIC Group, Ltd.	19,562	328,732
Comfort Systems USA, Inc.	6,102	248,657
Concrete Pumping Holdings, Inc. (A)	5,671	19,735
Construction Partners, Inc., Class A (A)(B)	3,302	58,644
Dycom Industries, Inc. (A)	16,787	686,420
Eiffage SA (A)	16,807	1,540,640
EMCOR Group, Inc.	29,239	1,933,867
Ferrovial SA (B)	97,950	2,618,199
Fluor Corp.	75,206	908,488
Granite Construction, Inc.	8,012	153,350
Great Lakes Dredge & Dock Corp. (A)	10,983	101,703
HC2 Holdings, Inc. (A)	7,991	26,690
HOCHTIEF AG	4,975	442,672
IES Holdings, Inc. (A)	1,516	35,126
Jacobs Engineering Group, Inc.	23,177	1,965,410
JGC Holdings Corp.	44,406	468,258
Kajima Corp.	90,585	1,083,112
MasTec, Inc. (A)	30,900	1,386,483

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
MYR Group, Inc. (A)	2,861	\$ 91,295
Northwest Pipe Company (A)	1,898	47,583
NV5 Global, Inc. (A)	1,832	93,121
Obayashi Corp.	131,215	1,233,612
Primoris Services Corp.	8,231	146,183
Quanta Services, Inc.	24,521	961,959
Shimizu Corp.	111,529	918,785
Skanska AB, B Shares (A)	68,705	1,402,631
Sterling Construction Company, Inc. (A)	5,082	53,209
Taisei Corp.	38,573	1,405,836
Tutor Perini Corp. (A)	6,981	85,029
Valmont Industries, Inc.	7,823	888,849
Vinci SA (B)	104,038	9,646,737
WillScot Corp. (A)	9,270	113,928
		37,152,881
Electrical equipment – 0.9%		
ABB, Ltd.	372,235	8,443,377
Acuity Brands, Inc.	14,520	1,390,145
Allied Motion Technologies, Inc.	1,345	47,479
American Superconductor Corp. (A)(B)	4,233	34,414
AMETEK, Inc.	40,872	3,652,731
Atkore International Group, Inc. (A)	8,013	219,156
AZZ, Inc.	4,443	152,484
Bloom Energy Corp., Class A (A)(B)	14,455	157,270
Eaton Corp. PLC	71,257	6,233,562
Emerson Electric Company	106,436	6,602,225
Encore Wire Corp.	3,461	168,966
EnerSys	22,705	1,461,748
FuelCell Energy, Inc. (A)	36,261	81,950
Fuji Electric Company, Ltd.	25,540	702,961
Generac Holdings, Inc. (A)	22,958	2,799,269
Hubbell, Inc.	19,853	2,488,772
Legrand SA	53,957	4,099,784
LSI Industries, Inc.	4,909	31,761
Melrose Industries PLC	984,542	1,387,754
Mitsubishi Electric Corp.	368,597	4,814,343
Nidec Corp.	90,286	6,082,455
nVent Electric PLC	57,236	1,072,030
Plug Power, Inc. (A)(B)	54,795	449,867
Powell Industries, Inc.	1,642	44,974
Preformed Line Products Company	627	31,356
Prysmian SpA	48,761	1,131,173
Regal Beloit Corp.	14,842	1,296,003
Rockwell Automation, Inc.	20,633	4,394,829
Schneider Electric SE	111,661	12,420,791
Siemens Gamesa Renewable Energy SA	48,197	858,145
Sunrun, Inc. (A)	19,660	387,695
Thermon Group Holdings, Inc. (A)	5,706	83,136
TPI Composites, Inc. (A)	5,171	120,846
Vestas Wind Systems A/S	40,173	4,113,826
Vicor Corp. (A)	3,006	216,282
Vivint Solar, Inc. (A)(B)	8,375	82,913
		77,756,472
Industrial conglomerates – 1.1%		
3M Company (B)	102,467	15,983,827
Carlisle Companies, Inc.	20,114	2,407,042
CK Hutchison Holdings, Ltd.	544,738	3,527,498
DCC PLC	19,875	1,658,443
General Electric Company	1,558,229	10,642,704
Honeywell International, Inc.	125,029	18,077,943
Investment AB Latour, B Shares	29,954	543,852
Jardine Matheson Holdings, Ltd.	44,400	1,856,401
Jardine Strategic Holdings, Ltd.	44,800	966,385
Keihan Holdings Company, Ltd.	19,500	870,855
Keppel Corp., Ltd.	294,445	1,268,151

John Hancock Variable Insurance Trust

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Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrial conglomerates (continued)		
NWS Holdings, Ltd.	313,599	\$ 272,784
Raven Industries, Inc.	6,049	130,114
Roper Technologies, Inc.	18,598	7,220,859
Siemens AG	154,464	18,217,035
Smiths Group PLC	80,058	1,399,567
Toshiba Corp.	78,128	2,506,328
		87,549,788
Machinery – 2.2%		
AGCO Corp.	22,761	1,262,325
Alamo Group, Inc.	1,655	169,869
Albany International Corp., Class A	5,165	303,237
Alfa Laval AB (A)	63,540	1,401,704
Alstom SA	38,822	1,809,139
Altra Industrial Motion Corp.	10,914	347,720
Amada Company, Ltd.	66,852	547,375
ANDRITZ AG	14,774	538,673
Astec Industries, Inc.	3,808	176,348
Atlas Copco AB, A Shares	135,675	5,777,779
Atlas Copco AB, B Shares	78,711	2,924,744
Barnes Group, Inc.	7,927	313,592
Blue Bird Corp. (A)	2,763	41,417
Caterpillar, Inc.	96,418	12,196,877
Chart Industries, Inc. (A)	6,125	297,001
CIRCOR International, Inc. (A)	3,493	89,002
CNH Industrial NV (A)	206,691	1,452,129
Colfax Corp. (A)	30,772	858,539
Columbus McKinnon Corp.	3,960	132,462
Crane Company	18,051	1,073,312
Cummins, Inc.	26,281	4,553,446
Daifuku Company, Ltd.	20,400	1,787,694
Deere & Company	55,733	8,758,441
Donaldson Company, Inc.	46,198	2,149,131
Douglas Dynamics, Inc.	3,838	134,791
Dover Corp.	25,643	2,476,088
Energy Recovery, Inc. (A)(B)	6,555	49,785
Enerpac Tool Group Corp.	9,101	160,178
EnPro Industries, Inc.	3,506	172,811
Epiroc AB, A Shares	133,333	1,670,715
Epiroc AB, B Shares	78,527	964,400
ESCO Technologies, Inc.	4,303	363,733
Evoqua Water Technologies Corp. (A)	14,509	269,867
FANUC Corp.	39,118	7,012,679
Federal Signal Corp.	10,062	299,143
Flowserve Corp.	23,169	660,780
Fortive Corp.	52,807	3,572,922
Franklin Electric Company, Inc.	7,743	406,662
GEA Group AG	31,004	984,013
Gencor Industries, Inc. (A)	2,122	26,822
Graco, Inc.	61,021	2,928,398
Graham Corp.	2,170	27,646
Helios Technologies, Inc.	5,002	186,325
Hillenbrand, Inc.	12,503	338,456
Hino Motors, Ltd.	57,942	393,113
Hitachi Construction Machinery Company, Ltd.	21,652	601,469
Hoshizaki Corp.	10,200	874,249
Hurco Companies, Inc.	1,401	39,186
Hyster-Yale Materials Handling, Inc.	1,761	68,080
IDEX Corp.	13,430	2,122,477
Illinois Tool Works, Inc.	51,216	8,955,118
Ingersoll Rand, Inc. (A)	61,597	1,732,108
ITT, Inc.	31,610	1,856,771
John Bean Technologies Corp.	5,276	453,842
Kadant, Inc.	1,922	191,547
Kawasaki Heavy Industries, Ltd.	29,320	423,488

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Kennametal, Inc.	44,378	\$ 1,274,092
KION Group AG	13,105	806,872
Knorr-Bremse AG	9,792	993,748
Komatsu, Ltd.	176,676	3,618,416
Kone OYJ, B Shares	68,683	4,737,024
Kubota Corp.	209,552	3,134,634
Kurita Water Industries, Ltd.	19,927	554,332
LB Foster Company, Class A (A)	2,105	26,881
Lincoln Electric Holdings, Inc.	21,752	1,832,388
Lindsay Corp.	1,823	168,099
Luxfer Holdings PLC	5,076	71,825
Lydall, Inc. (A)	3,191	43,270
Makita Corp.	45,252	1,645,564
Meritor, Inc. (A)	11,690	231,462
Metso OYJ	21,234	697,825
Miller Industries, Inc.	2,039	60,701
MINEBEA MITSUMI, Inc.	73,300	1,336,085
MISUMI Group, Inc.	57,300	1,438,710
Mitsubishi Heavy Industries, Ltd.	64,763	1,529,060
Miura Company, Ltd.	17,700	737,562
Mueller Industries, Inc.	9,464	251,553
Mueller Water Products, Inc., Class A	26,509	249,980
Nabtesco Corp.	22,789	705,255
Navistar International Corp. (A)	8,433	237,811
NGK Insulators, Ltd.	52,961	733,806
NN, Inc. (B)	7,668	36,346
Nordson Corp. (B)	18,803	3,567,117
NSK, Ltd.	72,098	538,040
Omega Flex, Inc. (B)	490	51,842
Oshkosh Corp.	24,933	1,785,701
Otis Worldwide Corp.	72,521	4,123,544
PACCAR, Inc.	61,589	4,609,937
Parker-Hannifin Corp.	22,867	4,190,835
Park-Ohio Holdings Corp.	1,758	29,165
Pentair PLC	29,523	1,121,579
Proto Labs, Inc. (A)	4,503	506,452
RBC Bearings, Inc. (A)	4,154	556,802
REV Group, Inc.	4,869	29,701
Rexnord Corp.	17,874	521,027
Sandvik AB (A)	227,935	4,291,048
Schindler Holding AG	4,083	967,963
Schindler Holding AG, Participation Certificates	8,226	1,946,754
SKF AB, B Shares	76,910	1,437,718
SMC Corp.	11,547	5,934,245
Snap-on, Inc. (B)	9,683	1,341,192
Spirax-Sarco Engineering PLC	14,892	1,833,353
SPX Corp. (A)	7,245	298,132
SPX FLOW, Inc. (A)	7,197	269,456
Standex International Corp.	2,103	121,028
Stanley Black & Decker, Inc.	27,457	3,826,957
Sumitomo Heavy Industries, Ltd.	22,325	488,271
Techtronic Industries Company, Ltd.	277,242	2,743,184
Tennant Company	3,071	199,646
Terex Corp.	34,692	651,169
The ExOne Company (A)	2,320	19,836
The Gorman-Rupp Company	3,008	93,489
The Greenbrier Companies, Inc.	5,545	126,149
The Manitowoc Company, Inc. (A)	5,987	65,139
The Middleby Corp. (A)	20,358	1,607,061
The Shyft Group, Inc.	5,827	98,127
The Timken Company	24,746	1,125,696
The Toro Company	39,256	2,604,243
THK Company, Ltd.	24,252	603,816
TriMas Corp. (A)	7,303	174,907

John Hancock Variable Insurance Trust

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Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Trinity Industries, Inc. (B)	34,528	\$ 735,101
Volvo AB, B Shares (A)	300,171	4,723,154
Wabash National Corp.	9,028	95,877
Wabtec Corp.	32,204	1,853,984
Wartsila OYJ ABP	89,465	742,118
Watts Water Technologies, Inc., Class A	4,595	372,195
Welbilt, Inc. (A)	22,227	135,362
Woodward, Inc.	20,762	1,610,093
Xylem, Inc.	32,050	2,081,968
Yangzijiang Shipbuilding Holdings, Ltd.	521,515	351,080
Yaskawa Electric Corp.	48,410	1,682,880
		185,417,052
Marine – 0.1%		
A.P. Moller - Maersk A/S, Series A (B)	647	707,466
A.P. Moller - Maersk A/S, Series B	1,324	1,551,736
Costamare, Inc.	8,677	48,244
Eagle Bulk Shipping, Inc. (A)	8,447	18,499
Genco Shipping & Trading, Ltd.	3,372	21,176
Kirby Corp. (A)	21,991	1,177,838
Kuehne + Nagel International AG (A)	10,935	1,821,427
Matson, Inc.	7,299	212,401
Nippon Yusen KK	30,825	436,271
		5,995,058
Professional services – 0.8%		
Acacia Research Corp. (A)	9,492	38,822
Adecco Group AG	31,308	1,475,721
ASGN, Inc. (A)	27,825	1,855,371
Barrett Business Services, Inc.	1,310	69,600
Bureau Veritas SA (A)	59,496	1,261,877
CBIZ, Inc. (A)	8,574	205,519
CoreLogic, Inc.	29,087	1,955,228
CRA International, Inc.	1,413	55,814
Equifax, Inc. (B)	21,624	3,716,733
Experian PLC	183,398	6,437,059
Exponent, Inc.	8,661	700,935
Forrester Research, Inc. (A)	1,929	61,805
Franklin Covey Company (A)	2,257	48,300
FTI Consulting, Inc. (A)	13,588	1,556,505
GP Strategies Corp. (A)	2,833	24,307
Heidrick & Struggles International, Inc.	3,349	72,405
Huron Consulting Group, Inc. (A)	3,832	169,566
ICF International, Inc.	3,098	200,843
IHS Markit, Ltd.	71,064	5,365,332
Insperty, Inc.	19,480	1,260,940
Intertek Group PLC	32,610	2,196,318
Kelly Services, Inc., Class A	5,820	92,043
Kforce, Inc.	3,388	99,099
Korn Ferry	9,276	285,051
ManpowerGroup, Inc.	21,263	1,461,831
Mastech Digital, Inc. (A)	810	21,003
Nielsen Holdings PLC (B)	63,503	943,655
Nihon M&A Center, Inc.	30,200	1,373,435
Persol Holdings Company, Ltd.	35,700	492,191
Randstad NV	24,086	1,077,006
Recruit Holdings Company, Ltd.	256,800	8,831,396
Red Violet, Inc. (A)	1,344	23,708
RELX PLC	390,497	9,038,350
Resources Connection, Inc.	5,590	66,912
Robert Half International, Inc.	20,415	1,078,524
SGS SA	1,223	2,995,914
Teleperformance	11,862	3,021,035
TriNet Group, Inc. (A)	6,945	423,228
TrueBlue, Inc. (A)	6,145	93,834
Upwork, Inc. (A)	15,724	227,055
Verisk Analytics, Inc.	28,905	4,919,631

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Willdan Group, Inc. (A)	1,891	\$ 47,294
Wolters Kluwer NV	55,210	4,315,441
		69,656,636
Road and rail – 0.9%		
ArcBest Corp.	4,347	115,239
Aurizon Holdings, Ltd.	394,877	1,343,717
Avis Budget Group, Inc. (A)(B)	28,542	653,326
Central Japan Railway Company	29,176	4,512,306
Covenant Transportation Group, Inc., Class A (A)	2,509	36,205
CSX Corp.	136,362	9,509,886
Daseke, Inc. (A)	8,426	33,114
East Japan Railway Company	61,140	4,236,711
Hankyu Hanshin Holdings, Inc.	46,300	1,563,932
Heartland Express, Inc.	7,604	158,315
Hertz Global Holdings, Inc. (A)(B)	15,636	22,047
J.B. Hunt Transport Services, Inc.	15,030	1,808,710
Kansas City Southern	16,927	2,527,032
Keikyu Corp.	44,579	682,153
Keio Corp.	20,815	1,191,245
Keisei Electric Railway Company, Ltd.	26,194	820,931
Kintetsu Group Holdings Company, Ltd.	34,674	1,555,804
Knight-Swift Transportation Holdings, Inc. (B)	44,786	1,868,024
Kyushu Railway Company	30,200	784,709
Landstar System, Inc.	14,054	1,578,405
Marten Transport, Ltd.	6,694	168,421
MTR Corp., Ltd.	311,815	1,621,671
Nagoya Railroad Company, Ltd.	37,899	1,068,197
Nippon Express Company, Ltd.	14,846	769,816
Norfolk Southern Corp.	45,636	8,012,313
Odakyu Electric Railway Company, Ltd.	59,579	1,463,128
Old Dominion Freight Line, Inc.	16,809	2,850,638
Ryder System, Inc.	19,682	738,272
Saia, Inc. (A)(B)	4,431	492,639
Seibu Holdings, Inc.	43,800	477,078
Tobu Railway Company, Ltd.	38,673	1,277,732
Tokyu Corp.	101,108	1,423,434
U.S. Xpress Enterprises, Inc., Class A (A)	4,506	27,036
Union Pacific Corp.	120,882	20,437,520
Universal Logistics Holdings, Inc.	1,497	26,018
Werner Enterprises, Inc.	31,202	1,358,223
West Japan Railway Company	32,825	1,841,120
		79,055,067
Trading companies and distributors – 0.6%		
AerCap Holdings NV (A)	26,481	815,615
Alta Equipment Group, Inc. (A)	3,264	25,361
Applied Industrial Technologies, Inc.	6,517	406,596
Ashtead Group PLC	90,971	3,068,730
Beacon Roofing Supply, Inc. (A)	9,278	244,661
BMC Stock Holdings, Inc. (A)	11,371	285,867
Brenntag AG	31,233	1,655,975
Bunzl PLC	68,075	1,825,983
CAI International, Inc. (A)	2,940	48,980
DXP Enterprises, Inc. (A)	2,898	57,699
EVI Industries, Inc. (A)(B)	929	20,169
Fastenal Company	102,043	4,371,522
Ferguson PLC	45,500	3,720,377
Foundation Building Materials, Inc. (A)	3,572	55,759
GATX Corp. (B)	18,663	1,138,070
GMS, Inc. (A)	7,073	173,925
H&E Equipment Services, Inc.	5,501	101,658
Herc Holdings, Inc. (A)	4,131	126,946
ITOCHU Corp.	272,004	5,885,574
Kaman Corp.	4,691	195,146

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
Lawson Products, Inc. (A)	887	\$ 28,615
Marubeni Corp.	332,659	1,511,070
Mitsubishi Corp.	272,906	5,766,973
Mitsui & Company, Ltd.	334,303	4,953,239
MonotaRO Company, Ltd.	25,300	1,016,514
MRC Global, Inc. (A)	13,501	79,791
MSC Industrial Direct Company, Inc., Class A	16,639	1,211,486
NOW, Inc. (A)	18,599	160,509
Rush Enterprises, Inc., Class A	3,839	159,165
Rush Enterprises, Inc., Class B	1,581	56,378
SiteOne Landscape Supply, Inc. (A)	7,043	802,691
Sumitomo Corp.	239,838	2,758,481
Systemax, Inc.	2,114	43,422
Textainer Group Holdings, Ltd. (A)	9,220	75,420
Titan Machinery, Inc. (A)	3,500	38,010
Toyota Tsusho Corp.	42,782	1,090,997
Transcat, Inc. (A)	1,565	40,471
Triton International, Ltd.	8,642	261,334
United Rentals, Inc. (A)	12,835	1,912,928
Univar Solutions, Inc. (A)(B)	50,729	855,291
Veritiv Corp. (A)	2,391	40,551
W.W. Grainger, Inc.	7,715	2,423,744
Watsco, Inc. (B)	11,999	2,132,222
WESCO International, Inc. (A)	7,056	247,734
		51,891,649
Transportation infrastructure – 0.2%		
Aena SME SA (A)(C)	13,628	1,822,631
Aeroports de Paris	5,982	617,585
Atlantia SpA (A)	99,966	1,616,981
Auckland International Airport, Ltd.	245,223	1,042,874
Fraport AG Frankfurt Airport Services Worldwide (A)(B)	8,376	366,910
Getlink SE (A)	88,887	1,285,370
Japan Airport Terminal Company, Ltd. (B)	10,200	435,254
Kamigumi Company, Ltd.	20,006	393,448
Sydney Airport	223,604	882,473
Transurban Group	552,291	5,416,161
		13,879,687
		884,526,673
Information technology – 19.3%		
Communications equipment – 0.8%		
Acacia Communications, Inc. (A)	6,554	440,363
ADTRAN, Inc.	8,205	89,681
Applied Optoelectronics, Inc. (A)(B)	3,503	38,078
Arista Networks, Inc. (A)	9,575	2,011,037
CalAmp Corp. (A)	5,964	47,772
Calix, Inc. (A)	8,225	122,553
Casa Systems, Inc. (A)	5,678	23,620
Ciena Corp. (A)	56,276	3,047,908
Cisco Systems, Inc.	755,481	35,235,634
Clearfield, Inc. (A)	1,929	26,929
Comtech Telecommunications Corp. (B)	4,189	70,752
DASAN Zhone Solutions, Inc. (A)	2,428	21,682
Digi International, Inc. (A)	5,147	59,963
Extreme Networks, Inc. (A)	20,001	86,804
F5 Networks, Inc. (A)	10,848	1,513,079
Genasys, Inc. (A)	6,361	30,914
Harmonic, Inc. (A)	16,316	77,501
Infinaera Corp. (A)(B)	26,357	156,033
Inseego Corp. (A)(B)	11,527	133,713
InterDigital, Inc.	16,480	933,262
Juniper Networks, Inc.	59,028	1,349,380
KVH Industries, Inc. (A)	3,473	31,014

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Communications equipment (continued)		
Lumentum Holdings, Inc. (A)(B)	27,434	\$ 2,233,951
Motorola Solutions, Inc.	30,296	4,245,378
NETGEAR, Inc. (A)	4,965	128,544
NetScout Systems, Inc. (A)	35,247	900,913
Nokia OYJ	1,141,436	4,987,920
PCTEL, Inc. (A)	3,827	25,564
Plantronics, Inc.	5,760	84,557
Resonant, Inc. (A)	9,039	21,061
Ribbon Communications, Inc. (A)	11,718	46,052
Telefonaktiebolaget LM Ericsson, B Shares	589,386	5,463,346
ViaSat, Inc. (A)	21,397	821,003
Viavi Solutions, Inc. (A)	38,512	490,643
		64,996,604
Electronic equipment, instruments and components – 1.2%		
Akoustis Technologies, Inc. (A)(B)	5,443	45,122
Amphenol Corp., Class A	52,711	5,050,241
Arlo Technologies, Inc. (A)	13,934	35,950
Arrow Electronics, Inc. (A)	28,814	1,979,234
Avnet, Inc.	36,174	1,008,712
Badger Meter, Inc. (B)	4,895	307,993
Belden, Inc.	21,466	698,718
Benchmark Electronics, Inc.	6,162	133,099
CDW Corp.	25,353	2,945,512
Cognex Corp.	62,886	3,755,552
Coherent, Inc. (A)	8,883	1,163,495
Corning, Inc.	135,210	3,501,939
CTS Corp.	5,403	108,276
Daktronics, Inc.	7,867	34,221
ePlus, Inc. (A)	2,260	159,737
Fabrinet (A)	6,171	385,194
FARO Technologies, Inc. (A)	2,991	160,318
Fitbit, Inc., Class A (A)(B)	40,340	260,596
FLIR Systems, Inc.	23,309	945,646
Halma PLC	76,749	2,186,594
Hamamatsu Photonics KK	28,400	1,236,670
Hexagon AB, B Shares (A)	56,839	3,337,903
Hirose Electric Company, Ltd.	6,575	721,989
Hitachi, Ltd.	195,294	6,207,385
II-VI, Inc. (A)(B)	47,306	2,233,789
Ingenico Group SA (A)	12,220	1,963,440
Insight Enterprises, Inc. (A)(B)	5,856	288,115
Intellicheck, Inc. (A)	2,955	22,310
IPG Photonics Corp. (A)	6,329	1,015,108
Iteris, Inc. (A)	7,952	37,812
Itron, Inc. (A)	6,776	448,910
Jabil, Inc.	50,236	1,611,571
Keyence Corp.	36,800	15,421,465
Keysight Technologies, Inc. (A)	33,319	3,357,889
Kimball Electronics, Inc. (A)	4,341	58,777
Knowles Corp. (A)	14,933	227,878
Kyocera Corp.	64,863	3,540,518
Littelfuse, Inc.	8,892	1,517,242
Luna Innovations, Inc. (A)	5,471	31,951
Method Electronics, Inc.	6,078	189,998
MTS Systems Corp.	3,385	59,542
Murata Manufacturing Company, Ltd.	116,039	6,840,322
Napco Security Technologies, Inc. (A)	2,044	47,809
National Instruments Corp.	43,051	1,666,504
nLight, Inc. (A)	5,843	130,065
Novanta, Inc. (A)	5,765	615,529
Omnron Corp.	37,518	2,512,888
OSI Systems, Inc. (A)	2,863	213,694
PAR Technology Corp. (A)(B)	2,749	82,278
PC Connection, Inc.	1,864	86,415
Plexus Corp. (A)	4,821	340,170

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Powerfleet, Inc. (A)	5,297	\$ 24,472
Research Frontiers, Inc. (A)	5,134	20,844
Rogers Corp. (A)	3,140	391,244
Sanmina Corp. (A)	11,315	283,328
ScanSource, Inc. (A)	4,388	105,707
Shimadzu Corp.	44,892	1,198,489
SYNNEX Corp.	15,084	1,806,611
TDK Corp.	26,121	2,600,381
TE Connectivity, Ltd.	58,760	4,791,878
Trimble, Inc. (A)	91,483	3,951,151
TTM Technologies, Inc. (A)(B)	16,807	199,331
Venture Corp., Ltd.	55,600	649,780
Vishay Intertechnology, Inc.	70,873	1,082,231
Vishay Precision Group, Inc. (A)	2,248	55,256
Wrap Technologies, Inc. (A)	2,289	23,989
Yokogawa Electric Corp.	45,992	720,634
Zebra Technologies Corp., Class A (A)	9,458	2,420,775
		101,258,186
IT services – 3.9%		
Accenture PLC, Class A	113,482	24,366,855
Adyen NV (A)(C)	3,645	5,310,755
Afterpay, Ltd. (A)	43,077	1,860,396
Akamai Technologies, Inc. (A)	28,908	3,095,758
Alliance Data Systems Corp.	15,526	700,533
Amadeus IT Group SA	87,062	4,570,938
Atos SE (A)	19,823	1,699,487
Automatic Data Processing, Inc.	76,561	11,399,167
Brightcove, Inc. (A)	7,159	56,413
Broadridge Financial Solutions, Inc.	20,454	2,581,090
CACI International, Inc., Class A (A)	9,188	1,992,693
Capgemini SE	32,463	3,746,277
Cardtronics PLC, Class A (A)	6,122	146,806
Cass Information Systems, Inc.	2,485	96,990
Cognizant Technology Solutions Corp., Class A	96,300	5,471,766
Computershare, Ltd.	98,261	909,845
Conduent, Inc. (A)	28,385	67,840
CSG Systems International, Inc.	5,543	229,425
DXC Technology Company	45,204	745,866
Edenred	49,180	2,156,942
Endurance International Group Holdings, Inc. (A)	11,538	46,498
EVERTEC, Inc.	10,165	285,637
Evo Payments, Inc., Class A (A)	6,926	158,121
ExlService Holdings, Inc. (A)	5,681	360,175
Fidelity National Information Services, Inc.	110,062	14,758,214
Fiserv, Inc. (A)	100,181	9,779,669
FleetCor Technologies, Inc. (A)	14,929	3,755,091
Fujitsu, Ltd.	39,723	4,650,901
Gartner, Inc. (A)	15,886	1,927,448
Global Payments, Inc.	53,283	9,037,862
GMO Payment Gateway, Inc.	8,200	857,666
GreenSky, Inc., Class A (A)	10,912	53,469
Grid Dynamics Holdings, Inc. (A)	4,027	27,786
GTT Communications, Inc. (A)(B)	5,541	45,215
I3 Verticals, Inc., Class A (A)(B)	2,592	78,408
IBM Corp.	158,171	19,102,312
International Money Express, Inc. (A)	2,410	30,029
Itochu Techno-Solutions Corp.	19,400	729,572
Jack Henry & Associates, Inc.	13,648	2,511,641
KBR, Inc.	76,169	1,717,611
Leidos Holdings, Inc.	23,786	2,228,035
Limelight Networks, Inc. (A)	19,764	145,463
LiveRamp Holdings, Inc. (A)	35,015	1,487,087

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
ManTech International Corp., Class A	4,574	\$ 313,273
Mastercard, Inc., Class A	157,443	46,555,895
MAXIMUS, Inc.	32,747	2,307,026
MoneyGram International, Inc. (A)	11,197	35,942
NEC Corp.	49,984	2,401,516
Nexi SpA (A)(C)	76,014	1,318,123
NIC, Inc.	21,152	256,050
Nomura Research Institute, Ltd.	64,500	1,761,672
NTT Data Corp.	127,410	1,424,492
Obic Company, Ltd.	14,100	2,484,968
Otsuka Corp.	21,100	1,114,410
Paychex, Inc.	56,873	4,308,130
PayPal Holdings, Inc. (A)	209,168	36,443,341
Paysign, Inc. (A)	5,338	51,832
Perficient, Inc. (A)	5,506	197,005
Perspecta, Inc.	73,504	1,707,498
PFSweb, Inc. (A)	2,866	19,145
Repay Holdings Corp. (A)	6,210	152,952
Sabre Corp.	100,918	813,399
Science Applications International Corp.	18,095	1,405,620
SCSK Corp.	10,500	513,710
ServiceSource International, Inc. (A)	16,449	25,989
Sykes Enterprises, Inc. (A)	6,610	182,833
The Hackett Group, Inc.	4,473	60,564
The Western Union Company	73,200	1,582,584
TIS, Inc.	45,200	957,001
TTEC Holdings, Inc.	3,068	142,846
Tucows, Inc., Class A (A)(B)	1,610	92,285
Unisys Corp. (A)	10,493	114,479
VeriSign, Inc. (A)	18,113	3,746,312
Verra Mobility Corp. (A)	22,672	233,068
Virtusa Corp. (A)	4,885	158,616
Visa, Inc., Class A (B)	300,546	58,056,471
WEX, Inc. (A)	15,937	2,629,764
Wirecard AG (A)	23,693	175,804
Wix.com, Ltd. (A)	10,400	2,664,688
Worldline SA (A)(C)	27,659	2,411,573
		323,800,628
Semiconductors and semiconductor equipment – 3.7%		
Advanced Energy Industries, Inc. (A)	6,401	433,924
Advanced Micro Devices, Inc. (A)	208,639	10,976,498
Advantest Corp.	40,300	2,299,940
Alpha & Omega Semiconductor, Ltd. (A)	3,654	39,756
Ambarella, Inc. (A)	5,563	254,785
Amkor Technology, Inc. (A)	16,770	206,439
Analog Devices, Inc.	65,632	8,049,108
Applied Materials, Inc.	163,264	9,869,309
ASM Pacific Technology, Ltd.	61,968	654,877
ASML Holding NV	85,950	31,441,613
Atomera, Inc. (A)	2,645	23,805
Axcelis Technologies, Inc. (A)	5,513	153,537
AXT, Inc. (A)	7,196	34,253
Broadcom, Inc.	71,220	22,477,744
Brooks Automation, Inc.	12,271	542,869
Cabot Microelectronics Corp.	15,540	2,168,452
CEVA, Inc. (A)	3,714	138,978
Cirrus Logic, Inc. (A)	21,382	1,320,980
Cohu, Inc.	6,999	121,363
Cree, Inc. (A)(B)	39,617	2,344,930
CyberOptics Corp. (A)	1,271	40,939
Diodes, Inc. (A)	7,137	361,846
Disco Corp.	5,800	1,414,553
DSP Group, Inc. (A)	3,892	61,805
Enphase Energy, Inc. (A)(B)	29,811	1,418,109
First Solar, Inc. (A)	27,930	1,382,535

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
FormFactor, Inc. (A)	12,873	\$ 377,565
GSI Technology, Inc. (A)	3,415	24,520
Ichor Holdings, Ltd. (A)	3,771	100,233
Impinj, Inc. (A)(B)	2,864	78,674
Infineon Technologies AG	252,556	5,917,938
Intel Corp.	754,255	45,127,077
KLA Corp.	27,621	5,371,732
Lam Research Corp.	25,860	8,364,676
Lasertec Corp.	15,200	1,436,865
Lattice Semiconductor Corp. (A)	22,696	644,339
MACOM Technology Solutions Holdings, Inc. (A)	7,944	272,876
Maxim Integrated Products, Inc.	47,497	2,878,793
MaxLinear, Inc. (A)	11,320	242,927
Microchip Technology, Inc. (B)	43,704	4,602,468
Micron Technology, Inc. (A)	198,128	10,207,555
MKS Instruments, Inc.	20,098	2,275,898
Monolithic Power Systems, Inc.	15,240	3,611,880
NeoPhotonics Corp. (A)	8,251	73,269
NVE Corp.	880	54,410
NVIDIA Corp.	109,582	41,631,298
Onto Innovation, Inc. (A)	8,018	272,933
PDF Solutions, Inc. (A)	4,979	97,389
Photronics, Inc. (A)	10,686	118,935
Pixelworks, Inc. (A)	7,214	23,301
Power Integrations, Inc.	4,956	585,452
Qorvo, Inc. (A)	20,439	2,259,123
QUALCOMM, Inc.	200,397	18,278,210
Rambus, Inc. (A)	19,154	291,141
Renesas Electronics Corp. (A)	155,400	798,819
Rohm Company, Ltd.	17,742	1,179,690
Semtech Corp. (A)	34,741	1,814,175
Silicon Laboratories, Inc. (A)	23,302	2,336,492
SiTime Corp. (A)	873	41,389
Skyworks Solutions, Inc.	29,721	3,800,127
SMART Global Holdings, Inc. (A)	2,397	65,150
SolarEdge Technologies, Inc. (A)(B)	18,179	2,522,882
STMicroelectronics NV	128,727	3,508,875
SUMCO Corp.	53,200	817,904
SunPower Corp. (A)(B)	12,926	99,013
Synaptics, Inc. (A)(B)	18,196	1,093,944
Teradyne, Inc. (B)	60,717	5,131,194
Texas Instruments, Inc.	163,494	20,758,833
Tokyo Electron, Ltd.	30,160	7,441,793
Ultra Clean Holdings, Inc. (A)	6,694	151,485
Universal Display Corp.	15,529	2,323,449
Veeco Instruments, Inc. (A)	8,306	112,048
Xilinx, Inc.	43,317	4,261,960
		311,713,646
Software – 6.2%		
8x8, Inc. (A)	17,192	275,072
A10 Networks, Inc. (A)	10,697	72,847
ACI Worldwide, Inc. (A)	61,783	1,667,523
Adobe, Inc. (A)	85,829	37,362,222
Agilysys, Inc. (A)	3,201	57,426
Alarm.com Holdings, Inc. (A)	7,663	496,639
Altair Engineering, Inc., Class A (A)(B)	7,102	282,305
American Software, Inc., Class A	5,204	82,015
ANSYS, Inc. (A)	15,305	4,464,928
Appfolio, Inc., Class A (A)	2,701	439,480
Appian Corp. (A)(B)	5,550	284,438
Asure Software, Inc. (A)	2,907	18,692
Autodesk, Inc. (A)	39,048	9,339,891
Avaya Holdings Corp. (A)(B)	15,727	194,386
AVEVA Group PLC	13,007	659,497

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Benefitfocus, Inc. (A)(B)	5,084	\$ 54,704
Blackbaud, Inc.	26,512	1,513,305
Blackline, Inc. (A)	8,479	702,994
Bottomline Technologies DE, Inc. (A)	7,307	370,976
Box, Inc., Class A (A)	24,929	517,526
Cadence Design Systems, Inc. (A)	49,735	4,772,571
CDK Global, Inc.	44,513	1,843,728
Cerence, Inc. (A)	6,214	253,780
Ceridian HCM Holding, Inc. (A)	37,183	2,947,496
ChannelAdvisor Corp. (A)	4,745	75,161
Check Point Software Technologies, Ltd. (A)	23,926	2,570,370
Citrix Systems, Inc.	20,672	3,057,596
Cloudera, Inc. (A)	34,626	440,443
CommVault Systems, Inc. (A)	22,608	874,930
Cornerstone OnDemand, Inc. (A)	10,256	395,471
CyberArk Software, Ltd. (A)	7,800	774,306
Dassault Systemes SE	26,538	4,606,808
Digimarc Corp. (A)(B)	2,171	34,714
Digital Turbine, Inc. (A)(B)	14,016	176,181
Domo, Inc., Class B (A)	4,332	139,360
Ebix, Inc. (B)	4,528	101,246
eGain Corp. (A)	3,795	42,162
Envestnet, Inc. (A)	8,970	659,654
Fair Isaac Corp. (A)	10,623	4,440,839
ForeScout Technologies, Inc. (A)	8,142	172,610
Fortinet, Inc. (A)	23,901	3,280,890
GlobalSCAPE, Inc.	2,856	27,846
GTY Technology Holdings, Inc. (A)	8,291	34,532
Intelligent Systems Corp. (A)	1,293	44,065
Intuit, Inc.	46,454	13,759,210
j2 Global, Inc. (A)(B)	24,419	1,543,525
LivePerson, Inc. (A)(B)	10,314	427,309
LogMeIn, Inc.	17,864	1,514,331
Manhattan Associates, Inc. (A)	23,258	2,190,904
Microsoft Corp.	1,350,933	274,928,377
MicroStrategy, Inc., Class A (A)	1,314	155,433
Mimecast, Ltd. (A)	9,550	397,853
Mitek Systems, Inc. (A)	7,048	67,731
MobileIron, Inc. (A)	16,576	81,720
Model N, Inc. (A)	5,751	199,905
Nemetschek SE	11,622	798,574
Nice, Ltd. (A)	12,793	2,411,508
NortonLifeLock, Inc.	96,537	1,914,329
OneSpan, Inc. (A)	5,662	158,140
Oracle Corp.	370,780	20,493,011
Oracle Corp. Japan	7,706	914,029
Paycom Software, Inc. (A)	8,594	2,661,820
Paylocity Holding Corp. (A)(B)	13,175	1,922,101
Ping Identity Holding Corp. (A)(B)	2,657	85,263
Progress Software Corp.	7,580	293,725
PROS Holdings, Inc. (A)	6,643	295,148
PTC, Inc. (A)	38,139	2,966,833
Q2 Holdings, Inc. (A)	8,377	718,663
QAD, Inc., Class A	1,978	81,652
Qualys, Inc. (A)	18,005	1,872,880
Rapid7, Inc. (A)	8,513	434,333
Rimini Street, Inc. (A)	4,169	21,470
Rosetta Stone, Inc. (A)	4,081	68,806
SailPoint Technologies Holdings, Inc. (A)	14,881	393,900
salesforce.com, Inc. (A)	160,506	30,067,589
SAP SE	210,849	29,474,454
Sapiens International Corp. NV	4,320	120,874
SecureWorks Corp., Class A (A)	1,886	21,557
ServiceNow, Inc. (A)	33,972	13,760,698

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
ShotSpotter, Inc. (A)(B)	1,441	\$ 36,313
Smith Micro Software, Inc. (A)	6,278	28,000
Sprout Social, Inc., Class A (A)(B)	1,334	36,018
SPS Commerce, Inc. (A)	5,940	446,213
SVMK, Inc. (A)	20,159	474,543
Synchronoss Technologies, Inc. (A)	7,340	25,910
Synopsys, Inc. (A)	26,862	5,238,090
TeamViewer AG (A)(C)	26,225	1,428,970
Telenav, Inc. (A)	6,170	33,873
Temenos AG	13,203	2,052,062
Tenable Holdings, Inc. (A)	10,279	306,417
Teradata Corp. (A)	39,741	826,613
The Sage Group PLC	220,389	1,829,435
Trend Micro, Inc.	26,964	1,506,868
Tyler Technologies, Inc. (A)	7,083	2,456,951
Upland Software, Inc. (A)	3,874	134,660
Varonis Systems, Inc. (A)(B)	5,261	465,493
Verint Systems, Inc. (A)	10,805	488,170
Veritone, Inc. (A)	3,954	58,756
VirnetX Holding Corp. (B)	10,839	70,454
WiseTech Global, Ltd.	28,838	390,120
Workiva, Inc. (A)	6,498	347,578
Xperi Holding Corp.	18,210	268,780
Yext, Inc. (A)(B)	17,131	284,546
Zix Corp. (A)(B)	9,527	65,736
Zuora, Inc., Class A (A)	16,557	211,102
		517,352,951
Technology hardware, storage and peripherals – 3.5%		
3D Systems Corp. (A)(B)	19,565	136,759
Apple, Inc.	725,801	264,772,205
Avid Technology, Inc. (A)	5,575	40,530
Brother Industries, Ltd.	44,936	811,862
Canon, Inc. (B)	202,077	4,031,036
Diebold Nixdorf, Inc. (A)	12,035	72,932
FUJIFILM Holdings Corp.	72,738	3,113,308
Hewlett Packard Enterprise Company	228,870	2,226,905
HP, Inc.	254,736	4,440,048
Immersion Corp. (A)	3,818	23,786
Intevac, Inc. (A)	4,803	26,224
Logitech International SA	33,202	2,175,706
NCR Corp. (A)	46,810	810,749
NetApp, Inc.	39,401	1,748,222
Quantum Corp. (A)	5,368	20,720
Ricoh Company, Ltd.	135,177	969,973
Seagate Technology PLC	40,230	1,947,534
Seiko Epson Corp.	56,347	645,493
Super Micro Computer, Inc. (A)	7,521	213,521
Western Digital Corp.	53,389	2,357,124
Xerox Holdings Corp.	32,622	498,790
		291,083,427
		1,610,205,442
Materials – 4.2%		
Chemicals – 2.3%		
AdvanSix, Inc. (A)	4,831	56,716
AgroFresh Solutions, Inc. (A)	6,190	18,756
Air Liquide SA	95,574	13,818,728
Air Products & Chemicals, Inc.	39,344	9,500,002
Air Water, Inc.	37,107	524,283
Akzo Nobel NV	40,313	3,621,743
Albemarle Corp. (B)	18,940	1,462,357
American Vanguard Corp.	5,123	70,492
Amyris, Inc. (A)(B)	12,059	51,492
Arkema SA	13,918	1,337,853
Asahi Kasei Corp.	253,057	2,071,471

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Ashland Global Holdings, Inc.	22,144	\$ 1,530,150
Balchem Corp.	5,445	516,513
BASF SE	185,404	10,414,008
Cabot Corp.	20,677	766,083
Celanese Corp.	21,062	1,818,493
CF Industries Holdings, Inc.	38,086	1,071,740
Chase Corp.	1,244	127,510
Chr. Hansen Holding A/S (B)	21,304	2,197,411
Clariant AG (A)	40,344	794,005
Corteva, Inc.	133,316	3,571,536
Covestro AG (C)	35,098	1,336,821
Croda International PLC	26,064	1,692,878
Daicel Corp.	50,285	389,727
Dow, Inc.	131,956	5,378,527
DuPont de Nemours, Inc.	130,720	6,945,154
Eastman Chemical Company	24,209	1,685,915
Ecolab, Inc.	44,054	8,764,543
EMS-Chemie Holding AG	1,655	1,285,774
Evonik Industries AG	42,304	1,077,483
Ferro Corp. (A)	13,804	164,820
FMC Corp.	23,060	2,297,237
FutureFuel Corp.	4,513	53,930
GCP Applied Technologies, Inc. (A)	8,257	153,415
Givaudan SA	1,866	6,975,047
Hawkins, Inc.	1,720	73,238
HB Fuller Company	8,684	387,306
ICL Group, Ltd.	151,239	450,496
Ingevity Corp. (A)	22,114	1,162,533
Innospec, Inc.	4,122	318,425
International Flavors & Fragrances, Inc.	19,035	2,331,043
Intrepid Potash, Inc. (A)	19,058	18,867
Johnson Matthey PLC	39,088	1,018,005
JSR Corp.	41,090	797,141
Kansai Paint Company, Ltd.	35,854	757,657
Koninklijke DSM NV	34,827	4,834,612
Koppers Holdings, Inc. (A)	3,567	67,202
Kraton Corp. (A)	5,320	91,930
Kronos Worldwide, Inc.	3,853	40,110
Kuraray Company, Ltd.	64,506	675,038
LANXESS AG	16,774	887,035
Linde PLC	93,558	19,844,587
Livent Corp. (A)(B)	24,882	153,273
LyondellBasell Industries NV, Class A	45,774	3,008,267
Minerals Technologies, Inc.	18,257	856,801
Mitsubishi Chemical Holdings Corp.	258,259	1,506,079
Mitsubishi Gas Chemical Company, Inc.	31,870	484,725
Mitsui Chemicals, Inc.	37,118	776,363
NewMarket Corp.	2,644	1,058,869
Nippon Paint Holdings Company, Ltd. (B)	29,600	2,158,929
Nissan Chemical Corp.	25,100	1,291,365
Nitto Denko Corp.	32,087	1,819,017
Novozymes A/S, B Shares	43,127	2,500,326
Olin Corp. (B)	57,817	664,317
Orica, Ltd.	81,798	945,962
Orion Engineered Carbons SA	10,252	108,569
PolyOne Corp.	48,893	1,282,463
PPG Industries, Inc.	42,028	4,457,490
PQ Group Holdings, Inc. (A)	6,468	85,636
Quaker Chemical Corp. (B)	2,233	414,556
Rayonier Advanced Materials, Inc.	11,261	31,643
RPM International, Inc. (B)	47,430	3,560,096
Sensient Technologies Corp.	22,656	1,181,737
Shin-Etsu Chemical Company, Ltd.	71,546	8,396,745
Showa Denko KK (B)	27,100	611,686
Sika AG	28,629	5,518,878

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Solvay SA	14,980	\$ 1,201,783
Stepan Company	3,618	351,308
Sumitomo Chemical Company, Ltd.	299,344	900,666
Symrise AG	26,025	3,040,934
Taiyo Nippon Sanso Corp.	30,557	511,000
Teijin, Ltd.	35,948	572,351
The Chemours Company	60,150	923,303
The Mosaic Company	62,118	777,096
The Scotts Miracle-Gro Company	14,434	1,940,940
The Sherwin-Williams Company	14,396	8,318,729
Toray Industries, Inc.	279,872	1,321,003
Tosoh Corp.	52,400	719,814
Trecora Resources (A)	5,230	32,792
Tredegar Corp.	4,567	70,332
Trinseo SA	6,518	144,439
Tronox Holdings PLC, Class A	15,235	109,997
Umicore SA (B)	39,833	1,880,279
Valvoline, Inc.	67,772	1,310,033
Yara International ASA	35,575	1,240,227
		195,538,656
Construction materials – 0.3%		
CRH PLC	158,514	5,456,092
Eagle Materials, Inc. (B)	15,243	1,070,363
Forterra, Inc. (A)(B)	3,349	37,375
HeidelbergCement AG	30,027	1,607,397
James Hardie Industries PLC, CHESS Depository Interest	89,455	1,723,673
LafargeHolcim, Ltd. (A)	105,706	4,656,986
Martin Marietta Materials, Inc.	11,088	2,290,448
Summit Materials, Inc., Class A (A)	19,952	320,828
Taiheiyo Cement Corp.	24,370	566,216
U.S. Concrete, Inc. (A)	2,795	69,316
Vulcan Materials Company	23,592	2,733,133
		20,531,827
Containers and packaging – 0.3%		
Amcor PLC (B)	280,474	2,863,640
AptarGroup, Inc.	23,510	2,632,650
Avery Dennison Corp.	14,839	1,692,982
Ball Corp.	58,075	4,035,632
Greif, Inc., Class A	13,947	479,916
Greif, Inc., Class B	1,084	45,344
International Paper Company	70,017	2,465,299
Myers Industries, Inc.	6,262	91,112
O-I Glass, Inc.	83,935	753,736
Packaging Corp. of America	16,896	1,686,221
Ranpak Holdings Corp. (A)	5,168	38,450
Sealed Air Corp.	27,729	910,898
Silgan Holdings, Inc.	28,428	920,783
Smurfit Kappa Group PLC	45,658	1,534,369
Sonoco Products Company	36,748	1,921,553
UFP Technologies, Inc. (A)	1,300	57,278
Westrock Company	46,184	1,305,160
		23,435,023
Metals and mining – 1.2%		
1911 Gold Corp. (A)	3,149	1,086
Alcoa Corp. (A)	31,718	356,510
Allegheny Technologies, Inc. (A)	67,882	691,718
Anglo American PLC	247,794	5,712,447
Antofagasta PLC	79,744	922,985
ArcelorMittal SA (A)	144,562	1,531,180
Arconic Corp. (A)	16,854	234,776
BHP Group PLC	426,448	8,726,434
BHP Group, Ltd.	594,830	14,810,010
BlueScope Steel, Ltd.	102,086	840,969

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Boliden AB	55,204	\$ 1,266,183
Caledonia Mining Corp. PLC	2,344	40,598
Carpenter Technology Corp.	25,568	620,791
Century Aluminum Company (A)	8,684	61,917
Cleveland-Cliffs, Inc. (B)	66,827	368,885
Coeur Mining, Inc. (A)	40,978	208,168
Commercial Metals Company	63,670	1,298,868
Compass Minerals International, Inc. (B)	18,194	886,958
Evolution Mining, Ltd.	326,962	1,298,853
Evraz PLC	102,044	361,550
Fortescue Metals Group, Ltd.	341,866	3,323,509
Freeport-McMoRan, Inc. (B)	258,658	2,992,673
Glencore PLC (A)	2,016,860	4,296,325
Gold Resource Corp.	11,899	48,905
Haynes International, Inc.	2,332	54,476
Hecla Mining Company	88,089	288,051
Hitachi Metals, Ltd.	43,364	519,753
JFE Holdings, Inc.	99,033	715,960
Kaiser Aluminum Corp.	2,678	197,154
Maruichi Steel Tube, Ltd.	11,461	285,669
Materion Corp.	3,451	212,202
Mitsubishi Materials Corp.	22,569	476,555
Newcrest Mining, Ltd.	163,156	3,617,835
Newmont Corp.	142,974	8,827,215
Nippon Steel Corp.	162,800	1,538,371
Norsk Hydro ASA (A)	271,549	757,590
Northern Star Resources, Ltd.	149,395	1,408,945
Novogold Resources, Inc. (A)	39,872	366,025
Nucor Corp.	53,645	2,221,439
Olympic Steel, Inc.	1,920	22,560
Reliance Steel & Aluminum Company	23,310	2,212,818
Rio Tinto PLC	226,481	12,745,570
Rio Tinto, Ltd.	74,949	5,132,028
Royal Gold, Inc.	24,021	2,986,291
Schnitzer Steel Industries, Inc., Class A	4,480	79,027
South32, Ltd.	988,502	1,399,447
Steel Dynamics, Inc.	77,040	2,009,974
Sumitomo Metal Mining Company, Ltd.	47,007	1,324,177
SunCoke Energy, Inc.	15,060	44,578
thyssenkrupp AG (A)	81,576	581,986
TimkenSteel Corp. (A)	8,196	31,882
United States Steel Corp. (B)	91,103	657,764
voestalpine AG (B)	23,469	506,822
Warrior Met Coal, Inc.	8,689	133,724
Worthington Industries, Inc.	19,669	733,654
		102,991,840
Paper and forest products – 0.1%		
Boise Cascade Company	6,575	247,286
Clearwater Paper Corp. (A)	2,771	100,116
Domtar Corp.	29,485	622,428
Louisiana-Pacific Corp.	60,054	1,540,385
Mondi PLC	98,146	1,835,818
Neenah, Inc.	2,854	141,159
Oji Holdings Corp.	174,038	811,950
P.H. Glatfelter Company	7,552	121,210
Schweitzer-Mauduit International, Inc.	5,273	176,171
Stora Enso OYJ, R Shares	117,483	1,406,192
Svenska Cellulosa AB SCA, B Shares (A)	122,363	1,463,605
UPM-Kymmene OYJ	107,838	3,123,494
Verso Corp., Class A	6,037	72,203
		11,662,017
		354,159,363
Real estate – 3.5%		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts – 2.8%		
Acadia Realty Trust	14,492	\$ 188,106
Agree Realty Corp.	8,935	587,119
Alexander & Baldwin, Inc.	12,398	151,132
Alexander's, Inc.	368	88,651
Alexandria Real Estate Equities, Inc.	22,481	3,647,542
Alpine Income Property Trust, Inc.	1,488	24,195
American Assets Trust, Inc.	8,526	237,364
American Campus Communities, Inc.	50,401	1,762,019
American Finance Trust, Inc.	18,657	148,043
American Tower Corp.	78,972	20,417,421
Apartment Investment & Management Company, A Shares	26,519	998,175
Armada Hoffler Properties, Inc.	9,818	97,689
Ascendas Real Estate Investment Trust	622,678	1,428,679
AvalonBay Communities, Inc.	25,070	3,876,825
Bluerock Residential Growth REIT, Inc.	4,522	36,538
Boston Properties, Inc.	25,740	2,326,381
Brixmor Property Group, Inc.	108,583	1,392,034
BRT Apartments Corp.	2,468	26,704
Camden Property Trust	35,669	3,253,726
CapitaLand Commercial Trust	545,994	668,221
CapitaLand Mall Trust	521,303	739,692
CareTrust REIT, Inc.	16,178	277,614
CatchMark Timber Trust, Inc., Class A	8,930	79,031
Chatham Lodging Trust	8,462	51,787
CIM Commercial Trust Corp.	2,187	23,576
City Office REIT, Inc.	8,218	82,673
Clipper Realty, Inc.	3,012	24,397
Colony Capital, Inc.	82,591	198,218
Columbia Property Trust, Inc.	19,455	255,639
Community Healthcare Trust, Inc.	3,593	146,954
CoreCivic, Inc.	64,105	600,023
CorEnergy Infrastructure Trust, Inc.	2,721	24,897
CorePoint Lodging, Inc.	7,710	32,459
CoreSite Realty Corp.	14,763	1,787,209
Corporate Office Properties Trust	41,085	1,041,094
Cousins Properties, Inc.	54,407	1,622,961
Covivio	9,660	700,674
Crown Castle International Corp.	74,241	12,424,231
CyrusOne, Inc.	42,195	3,069,686
Daiwa House REIT Investment Corp.	400	941,040
Dexus	221,572	1,422,120
DiamondRock Hospitality Company	33,886	187,390
Digital Realty Trust, Inc.	47,798	6,792,574
Diversified Healthcare Trust	40,364	178,611
Douglas Emmett, Inc.	60,382	1,851,312
Duke Realty Corp.	65,624	2,322,433
Easterly Government Properties, Inc.	12,736	294,456
EastGroup Properties, Inc.	20,785	2,465,309
EPR Properties	28,379	940,196
Equinix, Inc.	15,768	11,073,866
Equity Residential	62,314	3,665,309
Essential Properties Realty Trust, Inc.	15,496	229,961
Essex Property Trust, Inc.	11,654	2,670,747
Extra Space Storage, Inc.	22,996	2,124,141
Farmland Partners, Inc.	5,628	38,552
Federal Realty Investment Trust	12,530	1,067,681
First Industrial Realty Trust, Inc.	46,594	1,791,073
Four Corners Property Trust, Inc.	11,920	290,848
Franklin Street Properties Corp.	18,191	92,592
Front Yard Residential Corp.	8,721	75,873
Gecina SA	9,254	1,142,935
Getty Realty Corp.	5,698	169,117
Gladstone Commercial Corp.	5,888	110,400
Gladstone Land Corp.	3,773	59,840

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Global Medical REIT, Inc.	7,214	\$ 81,735
Global Net Lease, Inc.	15,379	257,291
GLP J-REIT (A)	736	1,063,557
Goodman Group	332,352	3,429,283
Healthcare Realty Trust, Inc.	72,072	2,110,989
Healthpeak Properties, Inc.	95,889	2,642,701
Hersha Hospitality Trust	6,354	36,599
Highwoods Properties, Inc.	38,051	1,420,444
Host Hotels & Resorts, Inc.	125,584	1,355,051
Hudson Pacific Properties, Inc.	56,149	1,412,709
ICADE	6,037	421,552
Independence Realty Trust, Inc.	16,087	184,840
Industrial Logistics Properties Trust	10,950	225,023
Innovative Industrial Properties, Inc.	2,825	248,657
Investors Real Estate Trust	2,073	146,126
Iron Mountain, Inc.	51,284	1,338,512
iStar, Inc.	12,625	155,540
Japan Prime Realty Investment Corp.	159	466,445
Japan Real Estate Investment Corp.	266	1,365,142
Japan Retail Fund Investment Corp.	528	660,411
JBG SMITH Properties	43,063	1,273,373
Jernigan Capital, Inc.	4,162	56,936
Kilroy Realty Corp.	38,777	2,276,210
Kimco Realty Corp.	77,051	989,335
Kite Realty Group Trust	14,175	163,580
Klepierre SA	39,630	792,156
Lamar Advertising Company, Class A	31,624	2,111,218
Land Securities Group PLC	142,171	971,400
Lexington Realty Trust	43,068	454,367
Life Storage, Inc.	17,182	1,631,431
Link REIT	417,106	3,424,508
LTC Properties, Inc.	6,586	248,095
Mack-Cali Realty Corp.	48,658	743,981
Mapletree Commercial Trust	434,300	607,675
Mapletree Logistics Trust	538,000	755,301
Medical Properties Trust, Inc.	193,517	3,638,120
Mid-America Apartment Communities, Inc.	20,371	2,335,943
Mirvac Group	794,118	1,199,597
Monmouth Real Estate Investment Corp.	16,012	232,014
National Health Investors, Inc.	7,246	439,977
National Retail Properties, Inc.	62,987	2,234,779
National Storage Affiliates Trust	10,452	299,554
New Senior Investment Group, Inc.	14,948	54,112
NexPoint Residential Trust, Inc.	3,705	130,972
Nippon Building Fund, Inc.	257	1,463,658
Nippon Prologis REIT, Inc.	425	1,291,419
Nomura Real Estate Master Fund, Inc.	856	1,025,229
Office Properties Income Trust	8,169	212,149
Omega Healthcare Investors, Inc.	83,109	2,470,831
One Liberty Properties, Inc.	3,182	56,067
Orix JREIT, Inc.	529	697,292
Park Hotels & Resorts, Inc.	86,293	853,438
Pebblebrook Hotel Trust	69,919	955,094
Physicians Realty Trust	108,333	1,897,994
Piedmont Office Realty Trust, Inc., Class A	21,259	353,112
Plymouth Industrial REIT, Inc.	3,024	38,707
PotlatchDeltic Corp.	35,578	1,353,031
Prologis, Inc.	131,573	12,279,708
PS Business Parks, Inc.	10,695	1,416,018
Public Storage	26,779	5,138,622
QTS Realty Trust, Inc., Class A	10,113	648,142
Rayonier, Inc.	50,717	1,257,274
Realty Income Corp.	61,177	3,640,032
Regency Centers Corp.	30,218	1,386,704

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Retail Opportunity Investments Corp.	19,483	\$ 220,742
Retail Properties of America, Inc., Class A	36,440	266,741
Retail Value, Inc.	3,074	37,995
RLJ Lodging Trust	27,786	262,300
RPT Realty	14,078	97,983
Ryman Hospitality Properties, Inc.	8,539	295,449
Sabra Health Care REIT, Inc.	110,014	1,587,502
Safehold, Inc.	2,917	167,698
Saul Centers, Inc.	2,094	67,573
SBA Communications Corp.	19,885	5,924,139
Scentre Group	1,057,235	1,605,033
Segro PLC	221,700	2,451,999
Seritage Growth Properties, Class A (A)	5,949	67,819
Service Properties Trust	88,241	625,629
Simon Property Group, Inc.	54,467	3,724,453
SITE Centers Corp.	26,052	211,021
SL Green Realty Corp.	13,635	672,069
Spirit Realty Capital, Inc.	37,705	1,314,396
STAG Industrial, Inc.	25,244	740,154
Stockland	481,059	1,115,480
STORE Capital Corp.	81,497	1,940,444
Summit Hotel Properties, Inc.	17,680	104,842
Sunstone Hotel Investors, Inc.	36,267	295,576
Suntec Real Estate Investment Trust	395,600	404,123
Tanger Factory Outlet Centers, Inc.	15,570	111,014
Taubman Centers, Inc.	22,565	852,054
Terreno Realty Corp.	11,197	589,410
The British Land Company PLC	177,642	849,744
The GEO Group, Inc.	64,420	762,089
The GPT Group	393,221	1,142,352
The Macerich Company	66,709	598,380
UDR, Inc.	52,532	1,963,646
UMH Properties, Inc.	6,570	84,950
Unibail-Rodamco-Westfield (B)	27,892	1,572,181
United Urban Investment Corp.	598	644,075
Uniti Group, Inc.	32,788	306,568
Universal Health Realty Income Trust	2,190	174,083
Urban Edge Properties	60,281	715,535
Urstadt Biddle Properties, Inc., Class A	5,485	65,162
Ventas, Inc.	66,461	2,433,802
Vicinity Centres	783,362	785,168
Vornado Realty Trust	28,256	1,079,662
Washington Real Estate Investment Trust	13,953	309,757
Weingarten Realty Investors	44,106	834,927
Welltower, Inc.	74,371	3,848,699
Weyerhaeuser Company	132,931	2,985,630
Whitestone REIT	7,601	55,259
Xenia Hotels & Resorts, Inc.	19,305	180,116
		238,204,940
Real estate management and development – 0.7%		
Aeon Mall Company, Ltd.	20,631	274,160
Aroundtown SA (A)	232,204	1,330,948
Azrieli Group, Ltd.	9,425	429,562
CapitaLand, Ltd. (A)	517,384	1,093,048
CBRE Group, Inc., Class A (A)	59,707	2,699,951
City Developments, Ltd.	91,713	560,465
CK Asset Holdings, Ltd.	521,062	3,124,700
CTO Realty Growth, Inc.	1,087	42,937
Cushman & Wakefield PLC (A)	18,672	232,653
Daito Trust Construction Company, Ltd.	13,011	1,199,111
Daiwa House Industry Company, Ltd.	114,266	2,698,378
Deutsche Wohnen SE	69,017	3,101,321
eXp World Holdings, Inc. (A)(B)	4,103	69,956
Forestar Group, Inc. (A)	2,941	44,350
FRP Holdings, Inc. (A)	1,292	52,429

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
Hang Lung Properties, Ltd.	408,313	\$ 970,673
Henderson Land Development Company, Ltd.	291,709	1,112,491
Hongkong Land Holdings, Ltd.	235,434	979,293
Hulic Company, Ltd. (B)	61,269	578,442
Jones Lang LaSalle, Inc.	18,911	1,956,532
Kennedy-Wilson Holdings, Inc.	20,707	315,161
Kerry Properties, Ltd.	131,064	340,456
LEG Immobilien AG	13,937	1,767,708
Lendlease Group	133,488	1,153,770
Marcus & Millichap, Inc. (A)	3,909	112,814
Maui Land & Pineapple Company, Inc. (A)	1,927	21,390
Mitsubishi Estate Company, Ltd.	238,724	3,557,422
Mitsui Fudosan Company, Ltd.	187,726	3,334,901
New World Development Company, Ltd.	308,392	1,464,270
Newmark Group, Inc., Class A	24,318	118,185
Nomura Real Estate Holdings, Inc.	23,263	433,097
Rafael Holdings, Inc., Class B (A)	1,789	25,708
RE/MAX Holdings, Inc., Class A	3,100	97,433
Realogy Holdings Corp.	19,558	144,925
Redfin Corp. (A)(B)	16,242	680,702
Sino Land Company, Ltd.	629,722	796,724
Stratus Properties, Inc. (A)	1,062	21,038
Sumitomo Realty & Development Company, Ltd.	62,383	1,721,938
Sun Hung Kai Properties, Ltd.	263,314	3,363,897
Swire Pacific, Ltd., Class A	99,518	528,916
Swire Properties, Ltd.	234,287	598,174
Swiss Prime Site AG	15,376	1,426,359
Tejon Ranch Company (A)	3,899	56,146
The RMR Group, Inc., Class A	2,665	78,538
The St. Joe Company (A)	5,573	108,228
Tokyu Fudosan Holdings Corp.	123,081	579,031
UOL Group, Ltd.	93,970	462,022
Vonovia SE	104,043	6,359,424
Wharf Real Estate Investment Company, Ltd. (B)	214,061	1,027,622
Wheelock & Company, Ltd.	144,285	1,160,644
		54,408,043
		292,612,983
Utilities – 3.4%		
Electric utilities – 1.9%		
ALLETE, Inc.	27,730	1,514,335
Alliant Energy Corp.	44,447	2,126,344
American Electric Power Company, Inc.	88,284	7,030,938
AusNet Services	377,735	436,425
Chubu Electric Power Company, Inc.	130,029	1,630,816
CK Infrastructure Holdings, Ltd.	133,843	691,869
CLP Holdings, Ltd.	332,334	3,263,930
Duke Energy Corp.	130,909	10,458,320
Edison International	67,327	3,656,529
EDP - Energias de Portugal SA	516,323	2,464,543
El Paso Electric Company	6,853	459,151
Electricite de France SA	125,209	1,164,077
Elia Group SA/NV	6,244	679,291
Endesa SA	64,141	1,591,096
Enel SpA	1,642,009	14,200,818
Entergy Corp.	35,657	3,344,983
Evergy, Inc.	40,392	2,394,842
Eversource Energy	59,935	4,990,787
Exelon Corp.	173,584	6,299,363
FirstEnergy Corp.	96,509	3,742,619
Fortum OYJ	89,519	1,707,854
Genie Energy, Ltd., B Shares	3,182	23,420
Hawaiian Electric Industries, Inc.	39,977	1,441,571

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
HK Electric Investments & HK Electric Investments, Ltd.	549,000	\$ 570,240
Iberdrola SA	1,172,968	13,694,025
IDACORP, Inc.	18,480	1,614,598
Kyushu Electric Power Company, Inc.	76,618	642,146
Mercury NZ, Ltd.	138,054	420,600
MGE Energy, Inc.	5,891	380,028
NextEra Energy, Inc.	87,192	20,940,903
NRG Energy, Inc. (B)	43,482	1,415,774
OGE Energy Corp. (B)	73,318	2,225,934
Orsted A/S (C)	38,195	4,414,912
Otter Tail Corp.	6,828	264,858
Pinnacle West Capital Corp.	20,040	1,468,732
PNM Resources, Inc. (B)	42,559	1,635,968
Portland General Electric Company	15,097	631,206
Power Assets Holdings, Ltd.	280,736	1,533,958
PPL Corp.	136,950	3,538,788
Red Electrica Corp. SA	87,468	1,636,485
SSE PLC	207,880	3,520,058
Terna Rete Elettrica Nazionale SpA	284,260	1,960,698
The Chugoku Electric Power Company, Inc.	58,836	784,403
The Kansai Electric Power Company, Inc.	142,124	1,377,179
The Southern Company	188,111	9,753,555
Tohoku Electric Power Company, Inc.	86,265	819,481
Tokyo Electric Power Company Holdings, Inc. (A)	291,528	896,794
Verbund AG	13,737	616,959
Xcel Energy, Inc.	93,530	5,845,625
		157,917,828
Gas utilities – 0.3%		
APA Group	238,383	1,843,254
Atmos Energy Corp.	21,789	2,169,749
Brookfield Infrastructure Corp., Class A	5,444	247,920
Chesapeake Utilities Corp.	2,783	233,772
Enagas SA	50,296	1,230,418
Hong Kong & China Gas Company, Ltd.	2,156,593	3,351,707
National Fuel Gas Company (B)	33,098	1,387,799
Naturgy Energy Group SA	59,571	1,112,126
New Jersey Resources Corp.	51,109	1,668,709
Northwest Natural Holding Company	5,141	286,816
ONE Gas, Inc.	28,145	2,168,572
Osaka Gas Company, Ltd.	75,675	1,495,864
RGC Resources, Inc.	1,309	31,639
Snam SpA	411,217	2,004,744
South Jersey Industries, Inc.	15,680	391,843
Southwest Gas Holdings, Inc.	29,516	2,038,080
Spire, Inc.	27,172	1,785,472
Toho Gas Company, Ltd.	14,884	743,940
Tokyo Gas Company, Ltd.	75,996	1,819,694
UGI Corp.	76,284	2,425,831
		28,437,949
Independent power and renewable electricity producers – 0.1%		
AES Corp.	118,448	1,716,312
Atlantic Power Corp. (A)	19,833	39,666
Clearway Energy, Inc., Class C	18,895	435,719
Electric Power Development Company, Ltd.	27,648	524,108
Meridian Energy, Ltd.	258,854	806,927
Ormat Technologies, Inc. (B)	6,702	425,510
Sunnova Energy International, Inc. (A)(B)	5,500	93,885
TerraForm Power, Inc., Class A	14,784	272,617

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Independent power and renewable electricity producers (continued)		
Uniper SE	40,636	\$ 1,311,287
		5,626,031
Multi-utilities – 0.9%		
AGL Energy, Ltd.	129,157	1,527,948
Ameren Corp.	43,982	3,094,574
Avista Corp.	11,361	413,427
Black Hills Corp.	33,556	1,901,283
CenterPoint Energy, Inc. (B)	97,033	1,811,606
CMS Energy Corp.	50,988	2,978,719
Consolidated Edison, Inc. (B)	59,518	4,281,130
Dominion Energy, Inc.	149,506	12,136,897
DTE Energy Company	34,312	3,688,540
E.ON SE	453,307	5,116,781
Engie SA	368,691	4,572,477
MDU Resources Group, Inc.	73,447	1,629,054
National Grid PLC	708,411	8,642,894
NiSource, Inc.	68,193	1,550,709
NorthWestern Corp.	27,027	1,473,512
Public Service Enterprise Group, Inc.	90,073	4,427,989
RWE AG	117,859	4,125,896
Sempra Energy	52,113	6,109,207
Suez SA	69,663	818,791
Unitil Corp.	2,610	116,980
Veolia Environnement SA	108,762	2,455,971
WEC Energy Group, Inc.	56,192	4,925,229
		77,799,614
Water utilities – 0.2%		
American States Water Company	6,169	485,068
American Water Works Company, Inc.	32,248	4,149,028
Artesian Resources Corp., Class A	1,845	66,955
California Water Service Group	8,217	391,951
Consolidated Water Company, Ltd. (B)	3,476	50,159
Essential Utilities, Inc.	81,676	3,449,994
Global Water Resources, Inc.	3,129	32,980
Middlesex Water Company	2,892	194,285
Pure Cycle Corp. (A)	4,494	41,300
Severn Trent PLC	48,098	1,471,982
SJW Group	4,485	278,563
The York Water Company	2,377	114,001
United Utilities Group PLC	137,740	1,547,748
		12,274,014
		282,055,436
TOTAL COMMON STOCKS (Cost \$5,103,747,441)		\$ 8,080,647,279
PREFERRED SECURITIES – 0.2%		
Communication services – 0.0%		
Media – 0.0%		
GCI Liberty, Inc., 7.000%	1,037	27,180
Consumer discretionary – 0.1%		
Automobiles – 0.1%		
Bayerische Motoren Werke AG	11,488	558,053
Porsche Automobil Holding SE (A)	30,816	1,784,822
Volkswagen AG	37,443	5,691,335
		8,034,210
Internet and direct marketing retail – 0.0%		
Overstock.com, Inc., 1.020%	692	11,072
		8,045,282
Consumer staples – 0.1%		
Household products – 0.1%		
Henkel AG & Company KGaA	36,024	3,360,812
Health care – 0.0%		

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Health care equipment and supplies – 0.0%		
Sartorius AG	7,180	\$ 2,369,744
Industrials – 0.0%		
Trading companies and distributors – 0.0%		
WESCO International, Inc. (10.625% to 6-22-25, then 5 Year CMT + 10.325%) (B)	3,258	86,395
Materials – 0.0%		
Chemicals – 0.0%		
FUCHS PETROLUB SE (B)	14,055	564,924
TOTAL PREFERRED SECURITIES (Cost \$12,736,934)		\$ 14,454,337
RIGHTS – 0.0%		
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(E)	54,671	37,504
TOTAL RIGHTS (Cost \$16,278)		\$ 37,504
SHORT-TERM INVESTMENTS – 5.2%		
U.S. Government Agency – 2.1%		
Federal Home Loan Bank Discount Note		
0.060%, 10/01/2020 *	\$ 50,000,000	49,980,834
0.080%, 07/10/2020 *	700,000	699,979
0.135%, 09/02/2020 *	28,200,000	28,193,091
0.140%, 10/02/2020 *	25,000,000	24,990,313
0.165%, 09/14/2020 *	19,000,000	18,994,458
Federal National Mortgage Association Discount Note		
0.150%, 09/16/2020 *	50,000,000	49,985,028
		172,843,703
Short-term funds – 2.9%		
John Hancock Collateral Trust, 0.2429% (F)(G)	24,584,785	246,125,660
Repurchase agreement – 0.2%		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$18,271,000 on 7-1-20, collateralized by \$17,332,200 U.S. Treasury Inflation Indexed Notes, 0.625% due 4-15-23 (valued at \$18,636,748)		
	\$ 18,271,000	18,271,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$437,242,709)		\$ 437,240,363
Total Investments (Strategic Equity Allocation Trust) (Cost \$5,553,743,362) – 102.0%		\$ 8,532,379,483
Other assets and liabilities, net – (2.0%)		(166,305,332)
TOTAL NET ASSETS – 100.0%		\$ 8,366,074,151

Strategic Equity Allocation Trust (continued)

Security Abbreviations and Legend

ADR	American Depositary Receipt
CMT	Constant Maturity Treasury
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(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)	Strike price and/or expiration date not available.
(F)	The rate shown is the annualized seven-day yield as of 6-30-20.
(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.
*	Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
MSCI EAFE Index Futures	526	Long	Sep 2020	\$46,779,409	\$46,771,920	\$(7,489)
Russell 2000 E-Mini Index Futures	181	Long	Sep 2020	12,400,644	12,997,945	597,301
S&P 500 Index E-Mini Futures	1,189	Long	Sep 2020	183,448,084	183,358,663	(89,421)
S&P Mid 400 Index E-Mini Futures	100	Long	Sep 2020	17,301,051	17,791,000	489,949
						\$990,340

[^] 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.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.0%		
Communication services – 10.5%		
Diversified telecommunication services – 1.5%		
AT&T, Inc.	152,229	\$ 4,601,883
ATN International, Inc.	316	19,140
Bandwidth, Inc., Class A (A)(B)	499	63,373
CenturyLink, Inc. (B)	22,799	228,674
Cincinnati Bell, Inc. (A)	1,094	16,246
Cogent Communications Holdings, Inc. Consolidated Communications Holdings, Inc. (A)	979	75,735
Frontier Communications Corp. (A)	1,652	11,184
GCI Liberty, Inc., Class A (A)	977	95
Globalstar, Inc. (A)	2,222	158,029
IDT Corp., Class B (A)	32,583	10,642
Iridium Communications, Inc. (A)(B)	637	4,160
Ooma, Inc. (A)	2,764	70,316
ORBCOMM, Inc. (A)	511	8,421
Verizon Communications, Inc.	2,046	7,877
Vonage Holdings Corp. (A)	86,142	4,749,008
	5,098	51,286
		10,076,069
Entertainment – 1.7%		
Activision Blizzard, Inc.	16,016	1,215,614
AMC Entertainment Holdings, Inc., Class A (B)	2,313	9,923
Chicken Soup For The Soul Entertainment, Inc. (A)	15	104
Cinemark Holdings, Inc.	2,446	28,251
Electronic Arts, Inc. (A)	6,082	803,128
Gaia, Inc. (A)	509	4,265
Glu Mobile, Inc. (A)	3,150	29,201
Liberty Media Corp.-Liberty Braves, Class A (A)	1,147	23,032
Liberty Media Corp.-Liberty Formula One, Series A (A)	4,894	142,807
Lions Gate Entertainment Corp., Class B (A)	4,693	32,053
Live Nation Entertainment, Inc. (A)(B)	4,462	197,800
LiveXLive Media, Inc. (A)	863	3,124
Madison Square Garden Entertainment Corp. (A)	499	37,425
Netflix, Inc. (A)	9,135	4,156,790
Reading International, Inc., Class A (A)	608	2,584
Roku, Inc. (A)(B)	2,453	285,848
Sciply Corp., Class A (A)	2,733	40,530
Take-Two Interactive Software, Inc. (A)	2,367	330,362
The Madison Square Garden Company, Class A (A)	499	73,298
The Marcus Corp.	654	8,679
The Walt Disney Company	37,564	4,188,762
World Wrestling Entertainment, Inc., Class A	1,652	71,779
Zynga, Inc., Class A (A)	19,797	188,863
		11,874,222
Interactive media and services – 5.4%		
Actua Corp. (A)(C)	909	68
Alphabet, Inc., Class C (A)	14,374	20,319,230
ANGI Homeservices, Inc., Class A (A)(B)	10,603	128,826
CarGurus, Inc. (A)	2,365	59,953
Cars.com, Inc. (A)	1,453	8,369
Eventbrite, Inc., Class A (A)	1,808	15,495
EverQuote, Inc., Class A (A)	566	32,919
Facebook, Inc., Class A (A)	59,437	13,496,360
InterActiveCorp (A)	1,764	570,478
Liberty TripAdvisor Holdings, Inc., Class A (A)	1,370	2,918

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Interactive media and services (continued)		
Match Group, Inc. (A)(B)	5,835	\$ 624,637
Pinterest, Inc., Class A (A)	11,654	258,369
QuinStreet, Inc. (A)	1,130	11,820
Snap, Inc., Class A (A)	23,773	558,428
The Meet Group, Inc. (A)	1,666	10,396
THQ, Inc. (A)(C)	234	0
TripAdvisor, Inc.	2,658	50,529
TrueCar, Inc. (A)	2,492	6,429
Twitter, Inc. (A)	16,188	482,241
Yelp, Inc. (A)	1,481	34,256
Zillow Group, Inc., Class C (A)(B)	4,332	249,567
		36,921,288
Media – 1.5%		
Altice USA, Inc., Class A (A)(B)	13,292	299,602
AMC Networks, Inc., Class A (A)	1,146	26,805
Boston Omaha Corp., Class A (A)	528	8,448
Cable One, Inc.	114	202,333
Cardlytics, Inc. (A)	535	37,439
Charter Communications, Inc., Class A (A)	4,477	2,283,449
Clear Channel Outdoor Holdings, Inc. (A)	8,922	9,279
Comcast Corp., Class A	94,812	3,695,772
comScore, Inc. (A)	1,582	4,904
Discovery, Inc., Series A (A)(B)	10,965	231,362
DISH Network Corp., Class A (A)	10,292	355,177
Emerald Holding, Inc.	1,734	5,341
Entercom Communications Corp., Class A	3,101	4,279
Entravision Communications Corp., Class A	2,355	3,368
Fox Corp., Class A	12,951	347,346
Gannett Company, Inc.	2,798	3,861
Gray Television, Inc. (A)	2,122	29,602
Hemisphere Media Group, Inc. (A)	614	6,036
John Wiley & Sons, Inc., Class A	1,199	46,761
Lee Enterprises, Inc. (A)	458	449
Liberty Broadband Corp., Series A (A)	3,794	463,589
Liberty Media Corp.-Liberty SiriusXM, Series A (A)(B)	6,619	228,488
Loral Space & Communications, Inc.	501	9,780
Media General, Inc. (A)(C)	3,256	310
Meredith Corp.	965	14,041
MSG Networks, Inc., Class A (A)	1,255	12,487
National CineMedia, Inc.	1,758	5,221
News Corp., Class A	12,364	146,637
Nexstar Media Group, Inc., Class A	965	80,761
Omnicom Group, Inc.	4,514	246,464
Saga Communications, Inc., Class A	170	4,352
Scholastic Corp.	780	23,353
Sinclair Broadcast Group, Inc., Class A	1,939	35,794
Sirius XM Holdings, Inc. (B)	92,293	541,760
SRAX, Inc. (A)(B)	123	311
TechTarget, Inc. (A)	625	18,769
TEGNA, Inc.	4,511	50,253
The EW Scripps Company, Class A	1,766	15,453
The Interpublic Group of Companies, Inc. The New York Times Company, Class A (B)	8,069	138,464
Townsquare Media, Inc., Class A	3,494	146,853
Tremor International, Ltd. (A)	517	2,311
ViacomCBS, Inc., Class B (B)	81	152
WideOpenWest, Inc. (A)	12,825	299,079
	1,455	7,668
		10,093,963
Wireless telecommunication services – 0.4%		
Boingo Wireless, Inc. (A)	989	13,173
Gogo, Inc. (A)(B)	2,008	6,345

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Wireless telecommunication services (continued)		
Shenandoah Telecommunications Company (B)	1,051	\$ 51,804
Spok Holdings, Inc.	499	4,666
Telephone & Data Systems, Inc.	2,451	48,726
T-Mobile US, Inc. (A)	26,613	2,771,744
United States Cellular Corp. (A)	1,839	56,770
		<u>2,953,228</u>
		71,918,770
Consumer discretionary – 11.5%		
Auto components – 0.1%		
ADOMANI, Inc. (A)	1,883	431
American Axle & Manufacturing Holdings, Inc. (A)	2,288	17,389
Autoliv, Inc.	1,825	117,731
BorgWarner, Inc. (B)	4,323	152,602
Cooper Tire & Rubber Company	1,062	29,322
Dana, Inc.	3,021	36,826
Dorman Products, Inc. (A)	689	46,211
Fox Factory Holding Corp. (A)(B)	808	66,749
Gentex Corp.	5,291	136,349
Gentherm, Inc. (A)	714	27,775
Horizon Global Corp. (A)	44	97
LCI Industries	524	60,250
Lear Corp.	1,262	137,583
Modine Manufacturing Company (A)	1,173	6,475
Motorcar Parts of America, Inc. (A)	476	8,411
Shiloh Industries, Inc. (A)	46	75
Standard Motor Products, Inc.	472	19,446
Stoneridge, Inc. (A)	619	12,789
Superior Industries International, Inc.	119	202
Tenneco, Inc., Class A (A)	1,001	7,568
The Goodyear Tire & Rubber Company	4,895	43,786
Veoneer, Inc. (A)	2,448	26,169
Visteon Corp. (A)	596	40,826
		<u>995,062</u>
Automobiles – 0.8%		
Ford Motor Company	82,624	502,354
General Motors Company	29,774	753,282
Harley-Davidson, Inc.	3,212	76,349
Tesla, Inc. (A)	3,758	4,057,926
Thor Industries, Inc.	1,156	123,149
Winnebago Industries, Inc.	650	43,303
		<u>5,556,363</u>
Distributors – 0.1%		
Core-Mark Holding Company, Inc.	969	24,181
Funko, Inc., Class A (A)	1,079	6,258
Genuine Parts Company	3,024	262,967
Greenlane Holdings, Inc., Class A (A)	2,197	8,744
LKQ Corp. (A)	6,403	167,759
Pool Corp.	830	225,652
Weyco Group, Inc.	262	5,657
		<u>701,218</u>
Diversified consumer services – 0.2%		
Adtalem Global Education, Inc. (A)	1,142	35,573
American Public Education, Inc. (A)	372	11,011
Aspen Group, Inc. (A)	226	2,045
Bright Horizons Family Solutions, Inc. (A)(B)	1,178	138,062
Carriage Services, Inc.	454	8,226
Chegg, Inc. (A)	2,536	170,571
Collectors Universe, Inc.	234	8,022
frontdoor, Inc. (A)	1,769	78,420
Graham Holdings Company, Class B	109	37,351

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified consumer services (continued)		
Grand Canyon Education, Inc. (A)	1,010	\$ 91,435
H&R Block, Inc.	4,065	58,048
Houghton Mifflin Harcourt Company (A)	2,879	5,211
ITT Educational Services, Inc. (A)	608	2
K12, Inc. (A)	857	23,345
Laureate Education, Inc., Class A (A)	4,608	45,919
Lincoln Educational Services Corp. (A)	112	437
Perdoceo Education Corp. (A)	1,522	24,245
Regis Corp. (A)	845	6,912
Select Interior Concepts, Inc., Class A (A)	642	2,247
Service Corp. International	3,858	150,038
ServiceMaster Global Holdings, Inc. (A)	2,846	101,574
StoneMor, Inc. (A)	517	402
Strategic Education, Inc.	459	70,525
Universal Technical Institute, Inc. (A)	423	2,940
WW International, Inc. (A)	1,417	35,963
		<u>1,108,524</u>
Hotels, restaurants and leisure – 1.6%		
Ambassadors Group, Inc. (A)(C)	714	29
Aramark	5,209	117,567
BBX Capital Corp.	2,172	5,517
Biglari Holdings, Inc., Class B (A)	58	4,001
BJ's Restaurants, Inc.	418	8,753
Bloomin' Brands, Inc.	1,832	19,529
Bluegreen Vacations Corp.	1,663	9,013
Boyd Gaming Corp.	2,333	48,760
Brinker International, Inc.	773	18,552
Caesars Entertainment Corp. (A)(B)	14,213	172,404
Carnival Corp. (B)	10,991	180,472
Carrols Restaurant Group, Inc. (A)	1,021	4,942
Cedar Fair LP	1,175	32,313
Century Casinos, Inc. (A)	691	2,868
Chipotle Mexican Grill, Inc. (A)	579	609,316
Choice Hotels International, Inc. (B)	1,159	91,445
Churchill Downs, Inc.	830	110,515
Chuy's Holdings, Inc. (A)	395	5,878
Cracker Barrel Old Country Store, Inc.	499	55,344
Darden Restaurants, Inc.	2,554	193,517
Dave & Buster's Entertainment, Inc.	654	8,718
Denny's Corp. (A)	1,245	12,575
Dine Brands Global, Inc.	348	14,651
Domino's Pizza, Inc.	852	314,763
Drive Shack, Inc. (A)	1,927	3,565
Dunkin' Brands Group, Inc.	1,727	112,652
El Pollo Loco Holdings, Inc. (A)	824	12,162
Everi Holdings, Inc. (A)	1,749	9,025
Extended Stay America, Inc.	3,946	44,156
Fiesta Restaurant Group, Inc. (A)	709	4,523
Golden Entertainment, Inc. (A)	617	5,504
Hilton Grand Vacations, Inc. (A)	1,803	35,249
Hilton Worldwide Holdings, Inc.	5,871	431,225
Hyatt Hotels Corp., Class A (B)	2,138	107,520
Jack in the Box, Inc.	490	36,304
Kura Sushi USA, Inc., Class A (A)	52	743
Las Vegas Sands Corp.	16,014	729,278
Marriott International, Inc., Class A	6,810	583,821
Marriott Vacations Worldwide Corp.	878	72,180
McDonald's Corp.	15,690	2,894,334
MGM Resorts International (B)	10,767	180,886
Monarch Casino & Resort, Inc. (A)	382	13,019
Nathan's Famous, Inc.	100	5,624
Noodles & Company (A)	1,045	6,322
Norwegian Cruise Line Holdings, Ltd. (A)(B)	4,439	72,933
Papa John's International, Inc.	670	53,205

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Penn National Gaming, Inc. (A)	2,435	\$ 74,365
Planet Fitness, Inc., Class A (A)	1,884	114,114
PlayAGS, Inc. (A)	812	2,745
Potbelly Corp. (A)	229	522
RCI Hospitality Holdings, Inc.	238	3,299
Red Lion Hotels Corp. (A)	182	424
Red Robin Gourmet Burgers, Inc. (A)	308	3,142
Red Rock Resorts, Inc., Class A	2,475	27,002
Restaurant Brands International LP	82	4,417
Royal Caribbean Cruises, Ltd. (B)	4,371	219,861
Ruth's Hospitality Group, Inc.	679	5,541
Scientific Games Corp. (A)	1,986	30,704
SeaWorld Entertainment, Inc. (A)	1,657	24,540
Shake Shack, Inc., Class A (A)	792	41,960
Six Flags Entertainment Corp.	1,773	34,059
Starbucks Corp.	24,617	1,811,565
Target Hospitality Corp. (A)	2,412	4,076
Texas Roadhouse, Inc. (B)	1,460	76,752
The Cheesecake Factory, Inc.	940	21,545
The Wendy's Company	4,817	104,914
Town Sports International Holdings, Inc. (A)	257	139
Twin River Worldwide Holdings, Inc.	719	16,027
Vail Resorts, Inc.	837	152,460
Wingstop, Inc.	618	85,883
Wyndham Destinations, Inc.	1,894	53,373
Wyndham Hotels & Resorts, Inc.	1,985	84,601
Wynn Resorts, Ltd.	2,242	167,007
Yum! Brands, Inc.	6,301	547,620
		11,168,329
Household durables – 0.4%		
Bassett Furniture Industries, Inc.	298	2,190
Beazer Homes USA, Inc. (A)	757	7,623
Cavco Industries, Inc. (A)	196	37,799
Century Communities, Inc. (A)	679	20,818
D.R. Horton, Inc.	7,677	425,690
Ethan Allen Interiors, Inc.	592	7,003
Flexsteel Industries, Inc.	230	2,905
GoPro, Inc., Class A (A)	3,474	16,536
Green Brick Partners, Inc. (A)	1,182	14,007
Hamilton Beach Brands Holding Company, Class A	354	4,213
Hamilton Beach Brands Holding Company, Class B	241	2,868
Helen of Troy, Ltd. (A)	524	98,805
Hooker Furniture Corp.	271	5,271
Hovnanian Enterprises, Inc., Class A (A)	148	3,462
Installed Building Products, Inc. (A)	636	43,744
iRobot Corp. (A)	605	50,760
KB Home	1,848	56,697
La-Z-Boy, Inc.	986	26,681
Legacy Housing Corp. (A)	580	8,248
Leggett & Platt, Inc.	2,764	97,155
Lennar Corp., A Shares	6,511	401,208
Lennar Corp., B Shares	159	7,328
M/I Homes, Inc. (A)	609	20,974
MDC Holdings, Inc.	1,315	46,946
Meritage Homes Corp. (A)	797	60,668
Mohawk Group Holdings, Inc. (A)	155	851
Mohawk Industries, Inc. (A)	1,494	152,029
Newell Brands, Inc.	8,877	140,967
NVR, Inc. (A)	70	228,113
PulteGroup, Inc.	5,599	190,534
Purple Innovation, Inc. (A)	922	16,596
Skyline Champion Corp. (A)	1,218	29,646

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Sonos, Inc. (A)	2,332	\$ 34,117
Taylor Morrison Home Corp. (A)	2,853	55,034
Tempur Sealy International, Inc. (A)(B)	1,134	81,591
The Lovesac Company (A)	354	9,285
Toll Brothers, Inc.	2,919	95,130
TopBuild Corp. (A)	712	81,004
TRI Pointe Group, Inc. (A)	2,906	42,689
Tupperware Brands Corp.	1,115	5,296
Turtle Beach Corp. (A)	120	1,766
Universal Electronics, Inc. (A)	312	14,608
VOXX International Corp. (A)	1,072	6,196
Whirlpool Corp. (B)	1,309	169,555
ZAGG, Inc. (A)	742	2,330
		2,826,936
Internet and direct marketing retail – 4.7%		
1-800-Flowers.com, Inc., Class A (A)	1,394	27,908
Amazon.com, Inc. (A)	10,334	28,509,646
Booking Holdings, Inc. (A)	872	1,388,520
Chewy, Inc., Class A (A)	8,325	372,044
Duluth Holdings, Inc., Class B (A)	700	5,159
eBay, Inc.	16,954	889,237
Etsy, Inc. (A)	2,479	263,344
Expedia Group, Inc.	3,022	248,408
Groupon, Inc. (A)	624	11,307
GrubHub, Inc. (A)	1,918	134,835
Lands' End, Inc. (A)	743	5,974
Leaf Group, Ltd. (A)	311	1,141
Liquidity Services, Inc. (A)	965	5,751
Overstock.com, Inc. (A)	682	19,389
PetMed Express, Inc.	456	16,252
Quotient Technology, Inc. (A)	1,851	13,549
Qurate Retail, Inc., Series A (A)(B)	8,746	83,087
Revolve Group, Inc. (A)(B)	1,471	21,859
Shutterstock, Inc.	747	26,123
Stamps.com, Inc. (A)	358	65,761
Stitch Fix, Inc., Class A (A)(B)	2,150	53,621
The RealReal, Inc. (A)	1,823	23,316
The Rubicon Project, Inc. (A)	1,986	13,247
US Auto Parts Network, Inc. (A)	189	1,637
Wayfair, Inc., Class A (A)	1,949	385,142
		32,586,257
Leisure products – 0.2%		
Acushnet Holdings Corp. (B)	1,579	54,933
Brunswick Corp.	1,705	109,137
Callaway Golf Company	1,981	34,687
Clarus Corp.	525	6,080
Escalade, Inc.	418	5,835
Hasbro, Inc.	2,777	208,136
Johnson Outdoors, Inc., Class A	217	19,751
Malibu Boats, Inc., Class A (A)	437	22,702
Marine Products Corp.	742	10,277
MasterCraft Boat Holdings, Inc. (A)	441	8,401
Mattel, Inc. (A)	7,297	70,562
Nautilus, Inc. (A)	464	4,301
Peloton Interactive, Inc., Class A (A)	5,844	337,608
Polaris, Inc.	1,274	117,909
Smith & Wesson Brands, Inc. (A)	1,231	26,491
Sturm Ruger & Company, Inc.	342	25,992
Vista Outdoor, Inc. (A)	1,284	18,554
YETI Holdings, Inc. (A)	1,811	77,384
		1,158,740
Multiline retail – 0.5%		
Big Lots, Inc.	827	34,734
Dillard's, Inc., Class A (B)	529	13,643

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multiline retail (continued)		
Dollar General Corp.	5,303	\$ 1,010,275
Dollar Tree, Inc. (A)	4,939	457,747
J.C. Penney Company, Inc. (A)	8,472	2,837
Kohl's Corp.	3,271	67,939
Macy's, Inc. (B)	6,460	44,445
Nordstrom, Inc. (B)	3,244	50,250
Ollie's Bargain Outlet Holdings, Inc. (A)(B)	1,336	130,460
Target Corp.	10,561	1,266,581
Tuesday Morning Corp. (A)	474	76
		3,078,987
Specialty retail – 2.2%		
Aaron's, Inc.	1,414	64,196
Abercrombie & Fitch Company, Class A	1,358	14,449
Advance Auto Parts, Inc.	1,444	205,698
American Eagle Outfitters, Inc.	3,537	38,553
America's Car-Mart, Inc. (A)	119	10,457
Asbury Automotive Group, Inc. (A)	403	31,164
Ascena Retail Group, Inc. (A)	104	152
At Home Group, Inc. (A)	1,302	8,450
AutoNation, Inc. (A)	1,864	70,049
AutoZone, Inc. (A)	496	559,548
Barnes & Noble Education, Inc. (A)	1,248	1,997
Bed Bath & Beyond, Inc. (B)	2,718	28,811
Best Buy Company, Inc.	5,394	470,734
Blink Charging Company (A)	102	579
Boot Barn Holdings, Inc. (A)	611	13,173
Build-A-Bear Workshop, Inc. (A)	44	96
Burlington Stores, Inc. (A)	1,379	271,566
Caleres, Inc.	889	7,414
Camping World Holdings, Inc., Class A	1,893	51,414
CarMax, Inc. (A)	3,427	306,888
Carvana Company (A)	3,163	380,193
Chico's FAS, Inc.	2,691	3,714
Citi Trends, Inc.	286	5,783
Conn's, Inc. (A)	510	5,146
Designer Brands, Inc., Class A	1,564	10,588
Dick's Sporting Goods, Inc.	1,834	75,671
Express, Inc. (A)	1,680	2,587
Five Below, Inc. (A)	1,162	124,229
Floor & Decor Holdings, Inc., Class A (A)	2,115	121,930
Foot Locker, Inc.	2,231	65,056
GameStop Corp., Class A (A)(B)	1,509	6,549
Genesco, Inc. (A)	319	6,910
GNC Holdings, Inc., Class A (A)(B)	1,564	860
Group 1 Automotive, Inc.	389	25,662
Guess?, Inc.	1,387	13,412
Haverty Furniture Companies, Inc.	468	7,488
Hibbett Sports, Inc. (A)	399	8,355
Hudson, Ltd., Class A (A)	2,006	9,769
L Brands, Inc.	5,775	86,452
Lithia Motors, Inc., Class A	485	73,395
LMP Automotive Holdings, Inc. (A)	97	951
Lowe's Companies, Inc.	15,973	2,158,272
Lumber Liquidators Holdings, Inc. (A)	701	9,716
MarineMax, Inc. (A)	503	11,262
Monro, Inc.	705	38,733
Murphy USA, Inc. (A)	643	72,395
National Vision Holdings, Inc. (A)	1,673	51,060
Office Depot, Inc.	11,794	27,716
O'Reilly Automotive, Inc. (A)	1,575	664,130
Party City Holdco, Inc. (A)	1,740	2,593
Penske Automotive Group, Inc.	1,711	66,233
Rent-A-Center, Inc.	1,196	33,273
RH (A)(B)	398	99,062

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Ross Stores, Inc.	7,537	\$ 642,454
Sally Beauty Holdings, Inc. (A)	2,432	30,473
Shoe Carnival, Inc.	302	8,840
Signet Jewelers, Ltd.	1,125	11,554
Sleep Number Corp. (A)	608	25,317
Sonic Automotive, Inc., Class A	881	28,113
Sportsman's Warehouse Holdings, Inc. (A)	611	8,707
Tailored Brands, Inc. (B)	869	815
The Buckle, Inc.	978	15,335
The Cato Corp., Class A	560	4,581
The Children's Place, Inc.	330	12,349
The Container Store Group, Inc. (A)	658	2,132
The Gap, Inc. (B)	7,796	98,386
The Home Depot, Inc.	22,732	5,694,593
The Michaels Companies, Inc. (A)(B)	2,772	19,598
The TJX Companies, Inc.	25,067	1,267,388
Tiffany & Company (B)	2,499	304,728
Tilly's, Inc., Class A	701	3,975
Tractor Supply Company	2,466	324,994
TravelCenters of America, Inc. (A)	95	1,463
Ulta Beauty, Inc. (A)	1,192	242,477
Urban Outfitters, Inc. (A)	2,057	31,308
Williams-Sonoma, Inc.	1,610	132,036
Winmark Corp.	75	12,843
Zumiez, Inc. (A)	551	15,086
		15,364,078
Textiles, apparel and luxury goods – 0.7%		
Carter's, Inc.	916	73,921
Centric Brands, Inc. (A)	1,544	107
Columbia Sportswear Company (B)	1,400	112,812
Crocs, Inc. (A)	1,447	53,279
Culp, Inc.	350	3,014
Deckers Outdoor Corp. (A)	583	114,495
Fossil Group, Inc. (A)	1,160	5,394
G-III Apparel Group, Ltd. (A)	1,025	13,622
Hanesbrands, Inc. (B)	7,542	85,149
Kontoor Brands, Inc.	1,195	21,283
Levi Strauss & Company, Class A (B)	8,237	110,376
Movado Group, Inc.	510	5,528
NIKE, Inc., Class B	32,531	3,189,665
Oxford Industries, Inc.	352	15,492
PVH Corp.	1,528	73,420
Ralph Lauren Corp.	1,559	113,059
Rocky Brands, Inc.	193	3,968
Skechers U.S.A., Inc., Class A (A)	3,277	102,832
Steven Madden, Ltd.	1,769	43,677
Superior Group of Companies, Inc.	407	5,454
Tapestry, Inc.	5,765	76,559
Under Armour, Inc., Class A (A)(B)	9,445	91,994
Unifi, Inc. (A)	438	5,641
Vera Bradley, Inc. (A)	773	3,432
VF Corp.	8,326	507,386
Vince Holding Corp. (A)	138	766
Wolverine World Wide, Inc.	1,702	40,525
		4,872,850
		79,417,344
Consumer staples – 7.0%		
Beverages – 1.6%		
Brown-Forman Corp., Class B	9,964	634,308
Celsius Holdings, Inc. (A)	1,510	17,773
Coca-Cola Consolidated, Inc.	196	44,921
Constellation Brands, Inc., Class A	3,993	698,575
Craft Brew Alliance, Inc. (A)	449	6,910
Crimson Wine Group, Ltd. (A)	725	3,915

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages (continued)		
Eastside Distilling, Inc. (A)	137	\$ 200
Keurig Dr. Pepper, Inc.	29,319	832,660
MGP Ingredients, Inc.	345	12,663
Molson Coors Beverage Company, Class B	4,515	155,135
Monster Beverage Corp. (A)	11,209	777,008
National Beverage Corp. (A)	995	60,715
New Age Beverages Corp. (A)(B)	1,610	2,463
PepsiCo, Inc.	29,049	3,842,021
Primo Water Corp.	546	7,508
Reed's, Inc. (A)	695	666
The Boston Beer Company, Inc., Class A (A)	251	134,699
The Coca-Cola Company	89,283	3,989,164
		11,221,304
Food and staples retailing – 1.8%		
BJ's Wholesale Club Holdings, Inc. (A)	2,868	106,890
Casey's General Stores, Inc.	729	109,000
Costco Wholesale Corp.	9,204	2,790,745
Grocery Outlet Holding Corp. (A)	1,883	76,826
HF Foods Group, Inc. (A)(B)	1,021	9,240
Ingles Markets, Inc., Class A	443	19,080
Natural Grocers by Vitamin Cottage, Inc.	601	8,943
Performance Food Group Company (A)	2,332	67,954
PriceSmart, Inc.	644	38,853
Rite Aid Corp. (A)(B)	1,197	20,421
SpartanNash Company	869	18,466
Sprouts Farmers Market, Inc. (A)	2,519	64,461
Sysco Corp.	10,623	580,653
The Andersons, Inc.	755	10,389
The Chefs' Warehouse, Inc. (A)	665	9,031
The Kroger Company	16,736	566,514
United Natural Foods, Inc. (A)	1,210	22,034
US Foods Holding Corp. (A)	4,564	90,002
Village Super Market, Inc., Class A	374	10,367
Walgreens Boots Alliance, Inc.	18,608	788,793
Walmart, Inc.	59,120	7,081,394
Weis Markets, Inc.	558	27,967
		12,518,023
Food products – 1.3%		
Alico, Inc.	195	6,076
Archer-Daniels-Midland Company	11,617	463,518
B&G Foods, Inc. (B)	1,345	32,791
Beyond Meat, Inc. (A)(B)	1,287	172,432
Bunge, Ltd.	2,963	121,868
Calavo Growers, Inc.	372	23,403
Cal-Maine Foods, Inc. (A)	1,034	45,992
Campbell Soup Company (B)	6,277	311,528
Conagra Brands, Inc.	10,155	357,151
Darling Ingredients, Inc. (A)	3,439	84,668
Farmer Brothers Company (A)	458	3,362
Flowers Foods, Inc.	4,400	98,384
Fresh Del Monte Produce, Inc.	1,036	25,506
Freshpet, Inc. (A)	763	63,833
General Mills, Inc.	12,583	775,742
Hormel Foods Corp.	11,132	537,342
Hostess Brands, Inc. (A)	2,739	33,471
Ingredion, Inc.	1,389	115,287
J&J Snack Foods Corp.	393	49,962
John B. Sanfilippo & Son, Inc.	247	21,077
Kellogg Company	7,101	469,092
Lamb Weston Holdings, Inc.	3,040	194,347
Lancaster Colony Corp. (B)	572	88,654
Landec Corp. (A)	729	5,803
Limoneira Company	402	5,825
McCormick & Company, Inc.	2,763	495,710

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
Mondelez International, Inc., Class A	30,005	\$ 1,534,156
Pilgrim's Pride Corp. (A)	5,222	88,200
Post Holdings, Inc. (A)	1,474	129,152
RiceBran Technologies (A)	840	695
Sanderson Farms, Inc.	465	53,889
Seaboard Corp.	24	70,412
Seneca Foods Corp., Class A (A)	231	7,810
The Hain Celestial Group, Inc. (A)	2,206	69,511
The Hershey Company	4,347	563,458
The J.M. Smucker Company (B)	2,370	250,770
The Kraft Heinz Company	25,478	812,493
The Simply Good Foods Company (A)	1,921	35,692
Tootsie Roll Industries, Inc. (B)	1,436	49,212
TreeHouse Foods, Inc. (A)	1,183	51,815
Tyson Foods, Inc., Class A	7,610	454,393
		8,774,482
Household products – 1.4%		
Central Garden & Pet Company, Class A (A)	1,200	40,548
Church & Dwight Company, Inc.	5,105	394,617
Colgate-Palmolive Company	17,861	1,308,497
Energizer Holdings, Inc. (B)	1,450	68,861
Kimberly-Clark Corp.	7,137	1,008,815
Oil-Dri Corp. of America	183	6,350
Spectrum Brands Holdings, Inc.	1,030	47,277
The Clorox Company	2,606	571,678
The Procter & Gamble Company	51,968	6,213,814
WD-40 Company	246	48,782
		9,709,239
Personal products – 0.3%		
BellRing Brands, Inc. Class A (A)	593	11,824
Coty, Inc., Class A	15,881	70,988
Edgewell Personal Care Company (A)	1,170	36,457
elf Beauty, Inc. (A)	1,098	20,939
Herbalife Nutrition, Ltd. (A)	3,084	138,718
Inter Parfums, Inc.	645	31,057
Lifefantage Corp. (A)	377	5,097
Medifast, Inc.	247	34,276
Nature's Sunshine Products, Inc. (A)	585	5,271
Nu Skin Enterprises, Inc., Class A	1,184	45,264
Revlon, Inc., Class A (A)(B)	1,150	11,385
The Estee Lauder Companies, Inc., Class A	7,500	1,415,100
USANA Health Sciences, Inc. (A)	464	34,072
Veru, Inc. (A)	1,088	3,634
Youngevity International, Inc. (A)(B)	349	499
		1,864,581
Tobacco – 0.6%		
22nd Century Group, Inc. (A)	3,359	2,568
Altria Group, Inc.	38,952	1,528,866
Philip Morris International, Inc.	32,433	2,272,256
Turning Point Brands, Inc.	443	11,035
Universal Corp.	529	22,488
Vector Group, Ltd.	3,163	31,820
		3,869,033
		47,956,662
Energy – 2.9%		
Energy equipment and services – 0.2%		
Archrock, Inc.	3,041	19,736
Aspen Aerogels, Inc. (A)	761	5,007
Baker Hughes Company	20,943	322,313
Bristow Group, Inc. (A)	201	2,800
Cactus, Inc., Class A	1,614	33,297

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
ChampionX Corp. (A)	1,683	\$ 16,426
Covia Holdings Corp. (A)(B)	3,030	1,454
CSI Compressco LP	223	165
Diamond Offshore Drilling, Inc. (A)	3,110	795
DMC Global, Inc.	314	8,666
Dril-Quip, Inc. (A)	797	23,743
Exterran Corp. (A)	904	4,873
Forum Energy Technologies, Inc. (A)	1,711	904
FTS International, Inc. (A)(B)	88	607
Geospace Technologies Corp. (A)	366	2,752
Halliburton Company	18,380	238,572
Helix Energy Solutions Group, Inc. (A)	3,143	10,906
Helmerich & Payne, Inc.	2,298	44,834
Hi-Crush, Inc. (A)	2,374	360
ION Geophysical Corp. (A)	211	494
KLX Energy Services Holdings, Inc. (A)	306	658
Liberty Oilfield Services, Inc., Class A	2,453	13,442
Mammoth Energy Services, Inc.	623	735
Matrix Service Company (A)	663	6,444
Nabors Industries, Ltd.	193	7,145
National Energy Services Reunited Corp. (A)	1,945	13,382
National Oilwell Varco, Inc.	8,165	100,021
NCS Multistage Holdings, Inc. (A)	370	214
Newpark Resources, Inc. (A)	2,201	4,908
NexTier Oilfield Solutions, Inc. (A)	4,501	11,027
Nine Energy Service, Inc. (A)	818	1,595
Oceaneering International, Inc. (A)	2,236	14,288
Oil States International, Inc. (A)	1,360	6,460
Parker Drilling Company (A)	117	673
Patterson-UTI Energy, Inc.	4,413	15,313
ProPetro Holding Corp. (A)	1,939	9,966
Ranger Energy Services, Inc. (A)	120	354
RigNet, Inc. (A)	213	458
RPC, Inc. (A)	4,420	13,614
Schlumberger, Ltd.	28,930	532,023
SEACOR Holdings, Inc. (A)	468	13,254
SEACOR Marine Holdings, Inc. (A)	576	1,469
Select Energy Services, Inc., Class A (A)	2,472	12,113
Smart Sand, Inc. (A)	637	669
Solaris Oilfield Infrastructure, Inc., Class A	1,111	8,244
Superior Energy Services, Inc. (A)	421	480
TETRA Technologies, Inc. (A)	3,291	1,759
Tidewater, Inc. (A)	820	4,584
USA Compression Partners LP	2,120	23,023
		1,557,019
Oil, gas and consumable fuels – 2.7%		
Adams Resources & Energy, Inc.	159	4,256
Alliance Resource Partners LP	2,793	9,105
Amplify Energy Corp.	691	850
Antero Midstream Corp. (B)	10,691	54,524
Antero Resources Corp. (A)	6,209	15,771
Apache Corp.	7,916	106,866
Arch Resources, Inc.	279	7,926
Black Stone Minerals LP	4,779	31,064
Blueknight Energy Partners LP	187	262
Bonanza Creek Energy, Inc. (A)	234	3,468
BP Midstream Partners LP	1,216	13,948
Brigham Minerals, Inc., Class A	1,168	14,425
Cabot Oil & Gas Corp.	8,583	147,456
California Resources Corp. (A)(B)	1,117	1,363
Callon Petroleum Company (A)(B)	7,487	8,610
Calumet Specialty Products Partners LP (A)	1,998	4,555

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Centennial Resource Development, Inc., Class A (A)	5,329	\$ 4,743
Centrus Energy Corp., Class A (A)	81	813
Cheniere Energy, Inc. (A)	5,328	257,449
Chesapeake Energy Corp. (A)(B)	197	965
Chevron Corp.	39,426	3,517,982
Cimarex Energy Company	2,170	59,653
Clean Energy Fuels Corp. (A)	4,677	10,383
CNX Midstream Partners LP	1,424	9,470
CNX Resources Corp. (A)	3,713	32,117
Comstock Resources, Inc. (A)	3,787	16,587
Concho Resources, Inc.	4,205	216,558
ConocoPhillips	22,906	962,510
CONSOL Coal Resources LP	430	1,759
CONSOL Energy, Inc. (A)	499	2,530
Contango Oil & Gas Company (A)	2,538	5,812
Continental Resources, Inc. (B)	7,817	137,032
Crestwood Equity Partners LP	1,581	20,727
CrossAmerica Partners LP	693	9,328
DCP Midstream LP	3,986	45,042
Delek Logistics Partners LP	486	11,144
Delek US Holdings, Inc.	1,558	27,125
Denbury Resources, Inc. (A)	9,208	2,542
Devon Energy Corp.	8,114	92,013
Diamond S Shipping, Inc. (A)	946	7,559
Diamondback Energy, Inc.	3,361	140,557
Dorchester Minerals LP	821	10,492
Dorian LPG, Ltd. (A)	943	7,299
Enable Midstream Partners LP	9,301	43,529
Energy Transfer LP	56,045	399,040
EnLink Midstream LLC (A)	10,548	25,737
Enterprise Products Partners LP	45,667	829,769
Enviva Partners LP	728	26,237
EOG Resources, Inc.	12,155	615,772
EQT Corp.	5,432	64,641
Equitrans Midstream Corp. (B)	16,050	133,376
Evolution Petroleum Corp.	1,062	2,974
Extraction Oil & Gas, Inc. (A)	2,891	350
Exxon Mobil Corp.	88,227	3,945,511
Foresight Energy LP (A)	5,570	31
Genesis Energy LP	2,697	19,472
Global Partners LP	828	8,106
Green Plains Partners LP	503	3,360
Green Plains, Inc. (A)	849	8,673
Gulfport Energy Corp. (A)	2,308	2,516
Hallador Energy Company	615	403
Harvest Natural Resources, Inc. (A)(C)	270	0
Hess Corp.	6,386	330,859
Hess Midstream LP, Class A	701	12,842
HighPoint Resources Corp. (A)	3,996	1,179
Holly Energy Partners LP	2,242	32,711
HollyFrontier Corp.	3,388	98,930
Kimbell Royalty Partners LP	1,094	9,408
Kinder Morgan, Inc.	47,271	717,101
Laredo Petroleum, Inc. (A)	213	2,952
Lilis Energy, Inc. (A)	797	42
LinnCo LLC (A)(C)	2,890	125
Magellan Midstream Partners LP	4,758	205,403
Magnolia Oil & Gas Corp., Class A (A)	5,625	34,088
Marathon Oil Corp.	16,893	103,385
Marathon Petroleum Corp.	13,550	506,499
Martin Midstream Partners LP	1,127	1,341
Matador Resources Company (A)	2,421	20,579
Montage Resources Corp. (A)	565	2,232
MPLX LP	22,110	382,061

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Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Murphy Oil Corp. (B)	3,357	\$ 46,327
NACCO Industries, Inc., Class A	187	4,357
Natural Resource Partners LP	290	3,535
New Fortress Energy LLC (A)(B)	3,618	46,889
Noble Energy, Inc.	10,081	90,326
Noble Midstream Partners LP	1,668	14,111
Northern Oil and Gas, Inc. (A)	7,653	6,420
NuStar Energy LP	2,314	33,044
Oasis Midstream Partners LP	640	5,581
Oasis Petroleum, Inc. (A)	6,234	4,676
Occidental Petroleum Corp. (B)	18,678	341,807
ONEOK, Inc.	8,642	287,087
Overseas Shipholding Group, Inc., Class A (A)	1,005	1,869
Panhandle Oil and Gas, Inc., Class A	460	1,233
Parsley Energy, Inc., Class A	7,905	84,425
PBF Energy, Inc., Class A	2,549	26,102
PBF Logistics LP	1,384	13,494
PDC Energy, Inc. (A)	2,080	25,875
Peabody Energy Corp.	2,003	5,769
Penn Virginia Corp. (A)	209	1,992
Phillips 66	9,272	666,657
Phillips 66 Partners LP	4,581	165,099
Pioneer Natural Resources Company	3,463	338,335
Plains All American Pipeline LP	15,252	134,828
Plains GP Holdings LP, Class A (A)	3,615	32,174
QEP Resources, Inc.	4,939	6,371
Range Resources Corp.	5,163	29,068
Rattler Midstream LP	2,920	28,324
Renewable Energy Group, Inc. (A)	765	18,957
REX American Resources Corp. (A)	157	10,891
SandRidge Energy, Inc. (A)	76	98
SFL Corp., Ltd.	2,278	21,163
Shell Midstream Partners LP	4,939	60,602
SM Energy Company	2,203	8,261
Southwestern Energy Company (A)	10,456	26,767
Sprague Resources LP	617	9,718
Summit Midstream Partners LP	1,801	1,784
Sunoco LP	2,114	48,263
Talos Energy, Inc. (A)	1,089	10,019
Targa Resources Corp.	4,895	98,243
TC PipeLines LP	1,530	47,522
Teekay Corp. (A)(B)	2,383	5,719
Tellurian, Inc. (A)(B)	5,218	6,001
The Williams Companies, Inc.	25,344	482,043
Torchlight Energy Resources, Inc. (A)	1,067	387
Ultra Petroleum Corp. (A)	5,375	103
Unit Corp. (A)	288	21
Uranium Energy Corp. (A)	5,616	4,929
USD Partners LP	760	2,424
VAALCO Energy, Inc. (A)	451	559
Valero Energy Corp.	8,569	504,029
Viper Energy Partners LP	3,095	32,064
W&T Offshore, Inc. (A)	3,249	7,408
Western Midstream Partners LP	9,539	95,772
Westwater Resources, Inc. (A)	290	769
World Fuel Services Corp.	1,400	36,064
WPX Energy, Inc. (A)	8,802	56,157
		18,668,386
		20,225,405
Financials – 10.6%		
Banks – 3.7%		
Ist Source Corp.	559	19,889
Allegiance Bancshares, Inc.	511	12,974
Amerant Bancorp, Inc. (A)	977	14,694

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
American National Bankshares, Inc.	218	\$ 5,459
Ameris Bancorp	1,477	34,842
Ames National Corp.	260	5,132
Arrow Financial Corp.	418	12,427
Associated Banc-Corp.	3,371	46,115
Atlantic Union Bankshares Corp.	1,721	39,858
Banc of California, Inc.	1,198	12,974
BancFirst Corp.	701	28,440
BancorpSouth Bank	2,204	50,119
Bank of America Corp.	187,505	4,453,244
Bank of Hawaii Corp.	724	44,461
Bank of Marin Bancorp	328	10,932
Bank OZK (B)	2,740	64,308
BankFinancial Corp.	481	4,040
BankUnited, Inc.	1,987	40,237
Bankwell Financial Group, Inc.	211	3,355
Banner Corp.	760	28,880
Bar Harbor Bankshares	435	9,740
Baycom Corp. (A)	336	4,338
BCB Bancorp, Inc.	577	5,355
Berkshire Hills Bancorp, Inc.	1,082	11,924
BOK Financial Corp. (B)	1,468	82,854
Boston Private Financial Holdings, Inc.	1,849	12,721
Bridge Bancorp, Inc.	524	11,968
Brookline Bancorp, Inc.	1,813	18,275
Bryn Mawr Bank Corp.	470	13,000
Business First Bancshares, Inc.	293	4,498
Byline Bancorp, Inc.	825	10,808
C&F Financial Corp.	106	3,525
Cadence Bancorp	2,753	24,392
Cambridge Bancorp	93	5,509
Camden National Corp.	400	13,816
Capital City Bank Group, Inc.	465	9,742
Capstar Financial Holdings, Inc.	374	4,488
Cathay General Bancorp	1,668	43,868
CBTX, Inc.	597	12,537
Central Pacific Financial Corp.	579	9,281
Central Valley Community Bancorp	357	5,494
Century Bancorp, Inc., Class A	144	11,192
Chemung Financial Corp.	161	4,395
CIT Group, Inc.	1,914	39,677
Citigroup, Inc.	45,500	2,325,050
Citizens & Northern Corp.	324	6,691
Citizens Financial Group, Inc.	9,069	228,902
City Holding Company	404	26,329
Civista Bancshares, Inc.	342	5,267
CNB Financial Corp.	426	7,638
Codorus Valley Bancorp, Inc.	267	3,693
Columbia Banking System, Inc.	1,531	43,396
Comerica, Inc.	3,016	114,910
Commerce Bancshares, Inc.	2,031	120,784
Community Bank System, Inc. (B)	1,081	61,639
Community Trust Bancorp, Inc.	310	10,156
ConnectOne Bancorp, Inc.	882	14,218
County Bancorp, Inc.	219	4,584
CrossFirst Bankshares, Inc. (A)	287	2,807
Cullen/Frost Bankers, Inc.	1,317	98,393
Customers Bancorp, Inc. (A)	739	8,883
CVB Financial Corp.	2,957	55,414
Dime Community Bancshares, Inc.	619	8,499
Eagle Bancorp, Inc.	716	23,449
East West Bancorp, Inc.	3,057	110,786
Enterprise Bancorp, Inc.	327	7,789
Enterprise Financial Services Corp.	619	19,263
Equity Bancshares, Inc., Class A (A)	331	5,773

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Esquire Financial Holdings, Inc. (A)	291	\$ 4,918
Farmers & Merchants Bancorp, Inc.	233	4,949
FB Financial Corp.	613	15,184
Fidelity D&D Bancorp, Inc.	112	5,386
Fifth Third Bancorp	14,811	285,556
Financial Institutions, Inc.	417	7,760
First Bancorp (North Carolina)	687	17,230
First Bancorp (Puerto Rico)	3,172	17,731
First Busey Corp.	1,265	23,592
First Choice Bancorp	327	5,356
First Citizens BancShares, Inc., Class A	170	68,853
First Commonwealth Financial Corp.	2,106	17,438
First Community Bankshares, Inc.	247	5,545
First Financial Bancorp	2,135	29,655
First Financial Bankshares, Inc.	2,882	83,261
First Financial Corp.	338	12,452
First Financial Northwest, Inc.	388	3,760
First Hawaiian, Inc. (B)	2,736	47,169
First Horizon National Corp.	6,532	65,059
First Internet Bancorp	224	3,723
First Interstate BancSystem, Inc., Class A	1,351	41,827
First Merchants Corp.	1,185	32,670
First Midwest Bancorp, Inc.	2,364	31,559
First Republic Bank	3,501	371,071
Flushing Financial Corp.	465	5,357
FNB Corp.	6,885	51,638
Franklin Financial Network, Inc.	364	9,373
Fulton Financial Corp.	3,475	36,592
FVCBankcorp, Inc. (A)	432	4,648
German American Bancorp, Inc.	635	19,749
Glacier Bancorp, Inc.	1,839	64,898
Great Southern Bancorp, Inc.	369	14,893
Great Western Bancorp, Inc.	1,212	16,677
Guaranty Bancshares, Inc.	253	6,545
Hancock Whitney Corp.	1,856	39,347
Hanmi Financial Corp.	645	6,263
HarborOne Bancorp, Inc. (A)	1,624	13,869
Heartland Financial USA, Inc.	779	26,050
Heritage Commerce Corp.	1,034	7,760
Heritage Financial Corp.	813	16,260
Hilltop Holdings, Inc.	1,959	36,144
Home BancShares, Inc.	3,528	54,261
Hope Bancorp, Inc.	2,740	25,263
Horizon Bancorp, Inc.	951	10,166
Huntington Bancshares, Inc.	21,618	195,319
IBERIABANK Corp.	1,105	50,322
Independent Bank Corp. (Massachusetts)	730	48,976
Independent Bank Corp. (Michigan)	561	8,331
Independent Bank Group, Inc.	910	36,873
International Bancshares Corp.	1,391	44,540
Investar Holding Corp.	319	4,626
Investors Bancorp, Inc.	5,218	44,353
JPMorgan Chase & Co.	65,361	6,147,856
KeyCorp	20,536	250,128
Lakeland Bancorp, Inc.	1,308	14,950
Lakeland Financial Corp.	529	24,646
Live Oak Bancshares, Inc.	1,032	14,974
M&T Bank Corp.	2,745	285,398
Macatawa Bank Corp.	926	7,241
Mercantile Bank Corp.	434	9,808
Metropolitan Bank Holding Corp. (A)	184	5,903
Midland States Bancorp, Inc.	539	8,058
MidWestOne Financial Group, Inc.	336	6,720
MVB Financial Corp.	370	4,921
National Bank Holdings Corp., Class A	721	19,467

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
National Bankshares, Inc.	188	\$ 5,377
NBT Bancorp, Inc.	932	28,668
Northrim Bancorp, Inc.	222	5,581
Norwood Financial Corp.	211	5,231
OceanFirst Financial Corp.	1,155	20,363
OFG Bancorp	1,197	16,004
Old National Bancorp	3,579	49,247
Old Point Financial Corp.	183	2,791
Old Second Bancorp, Inc.	816	6,348
Origin Bancorp, Inc.	516	11,352
Pacific Mercantile Bancorp (A)	820	3,001
Pacific Premier Bancorp, Inc.	1,278	27,707
PacWest Bancorp	2,507	49,413
Park National Corp.	386	27,167
Peapack-Gladstone Financial Corp.	485	9,084
Penns Woods Bancorp, Inc.	222	5,042
Peoples Bancorp of North Carolina, Inc.	237	4,188
Peoples Bancorp, Inc.	508	10,810
People's United Financial, Inc.	8,507	98,426
People's Utah Bancorp	486	10,920
Pinnacle Financial Partners, Inc.	1,604	67,352
Popular, Inc.	1,544	57,390
Preferred Bank	341	14,612
Premier Financial Bancorp, Inc.	466	5,974
Prosperity Bancshares, Inc.	1,966	116,741
QCR Holdings, Inc.	353	11,007
RBB Bancorp	407	5,556
Red River Bancshares, Inc.	155	6,803
Regions Financial Corp.	20,141	223,968
Reasant Corp.	1,240	30,876
Republic Bancorp, Inc., Class A	425	13,902
Republic First Bancorp, Inc. (A)	1,584	3,865
S&T Bancorp, Inc.	768	18,010
Sandy Spring Bancorp, Inc.	750	18,585
Seacoast Banking Corp. of Florida (A)	1,186	24,194
ServisFirst Bancshares, Inc.	1,156	41,339
Shore Bancshares, Inc.	488	5,412
Sierra Bancorp	373	7,042
Signature Bank	1,109	118,574
Simmons First National Corp., Class A	2,185	37,385
South Plains Financial, Inc.	426	6,066
South State Corp.	1,520	72,443
Southern First Bancshares, Inc. (A)	207	5,736
Southern National Bancorp of Virginia, Inc.	655	6,347
Southside Bancshares, Inc.	820	22,730
Spirit of Texas Bancshares, Inc. (A)	334	4,112
Sterling Bancorp	4,249	49,798
Stock Yards Bancorp, Inc.	419	16,844
Summit Financial Group, Inc.	334	5,504
SVB Financial Group (A)	1,079	232,557
Synovus Financial Corp.	3,073	63,089
TCF Financial Corp.	3,225	94,880
Texas Capital Bancshares, Inc. (A)	1,066	32,907
The Bancorp, Inc. (A)	1,397	13,691
The Bank of Princeton	248	4,980
The First Bancorp, Inc.	302	6,553
The First of Long Island Corp.	648	10,588
The PNC Financial Services Group, Inc.	9,120	959,515
Tompkins Financial Corp.	330	21,374
Towne Bank	1,674	31,538
TriCo Bancshares	636	19,366
TriState Capital Holdings, Inc. (A)	738	11,594
Triumph Bancorp, Inc. (A)	556	13,494
Truist Financial Corp.	27,951	1,049,560

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Trustmark Corp.	1,377	\$ 33,764
U.S. Bancorp	32,547	1,198,381
UMB Financial Corp.	1,038	53,509
Umpqua Holdings Corp.	4,684	49,838
United Bankshares, Inc.	2,146	59,358
United Community Banks, Inc.	1,695	34,103
Unity Bancorp, Inc.	355	5,077
Univest Financial Corp.	733	11,831
Valley National Bancorp	8,535	66,744
Veritex Holdings, Inc.	1,194	21,134
Washington Trust Bancorp, Inc.	335	10,971
Webster Financial Corp.	1,950	55,790
Wells Fargo & Company	88,138	2,256,333
WesBanco, Inc.	1,220	24,778
West Bancorporation, Inc.	463	8,098
Westamerica Bancorporation	570	32,729
Western Alliance Bancorp	2,145	81,231
Wintrust Financial Corp.	1,205	52,562
Zions Bancorp NA	3,586	121,924
		25,679,685
Capital markets – 2.9%		
Affiliated Managers Group, Inc.	1,036	77,244
AllianceBernstein Holding LP	2,024	55,134
Ameriprise Financial, Inc.	2,641	396,256
Apollo Investment Corp.	1,528	14,623
Ares Capital Corp. (B)	9,043	130,671
Ares Management Corp., Class A	2,404	95,439
Artisan Partners Asset Management, Inc., Class A	1,655	53,788
Assetmark Financial Holdings, Inc. (A)	1,278	34,877
Associated Capital Group, Inc., Class A	454	16,657
Bain Capital Specialty Finance, Inc.	1,190	13,185
Barings BDC, Inc.	1,265	10,044
BGC Partners, Inc., Class A	7,348	20,134
BlackRock Capital Investment Corp.	1,953	5,215
BlackRock TCP Capital Corp.	1,134	10,365
BlackRock, Inc.	3,233	1,759,043
Blucora, Inc. (A)	1,076	12,288
Capital Southwest Corp.	445	5,999
Cboe Global Markets, Inc.	2,310	215,477
CME Group, Inc.	7,470	1,214,174
Cohen & Steers, Inc.	999	67,982
Cowen, Inc., Class A	420	6,808
Crecent Capital BDC, Inc.	132	1,668
Diamond Hill Investment Group, Inc.	83	9,435
Donnelley Financial Solutions, Inc. (A)	800	6,720
E*TRADE Financial Corp.	4,721	234,775
Eaton Vance Corp.	2,369	91,443
Ellington Financial, Inc.	880	10,366
Evercore, Inc., Class A	822	48,432
FactSet Research Systems, Inc.	789	259,163
Federated Hermes, Inc.	2,126	50,386
Fidus Investment Corp.	605	5,487
Focus Financial Partners, Inc., Class A (A)	1,482	48,980
Franklin Resources, Inc.	10,401	218,109
FS KKR Capital Corp. (B)	2,679	37,506
GAIN Capital Holdings, Inc.	1,165	7,013
GAMCO Investors, Inc., Class A	443	5,896
Garrison Capital, Inc.	717	2,423
Gladstone Capital Corp.	801	5,855
Gladstone Investment Corp.	797	8,161
Goldman Sachs BDC, Inc. (B)	967	15,694
Golub Capital BDC, Inc. (B)	1,363	15,879
Greenhill & Company, Inc.	314	3,137
Hamilton Lane, Inc., Class A (B)	1,102	74,242

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Hercules Capital, Inc.	2,271	\$ 23,777
Houlihan Lokey, Inc.	1,374	76,449
Interactive Brokers Group, Inc., Class A	1,612	67,333
Intercontinental Exchange, Inc.	11,609	1,063,384
INTL. FCStone, Inc. (A)	429	23,595
Invesco, Ltd. (B)	9,289	99,950
Lazard, Ltd., Class A	2,202	63,043
Legg Mason, Inc.	1,838	91,441
LPL Financial Holdings, Inc.	1,689	132,418
Main Street Capital Corp. (B)	1,316	40,967
MarketAxess Holdings, Inc.	791	396,228
Moelis & Company, Class A	1,274	39,698
Monroe Capital Corp.	561	3,899
Moody's Corp.	3,934	1,080,788
Morgan Stanley	33,737	1,629,497
Morningstar, Inc.	893	125,886
MSCI, Inc.	1,765	589,192
MVC Capital, Inc.	676	4,414
Nasdaq, Inc.	3,416	408,110
New Mountain Finance Corp.	2,060	19,137
Newtek Business Services Corp.	477	8,691
Northern Trust Corp.	4,421	350,762
Oaktree Specialty Lending Corp.	2,519	11,260
OFS Capital Corp.	430	1,944
Oppenheimer Holdings, Inc., Class A	169	3,683
Oxford Square Capital Corp.	1,411	3,951
P10 Holdings, Inc. (A)	951	2,378
PennantPark Floating Rate Capital, Ltd.	874	7,342
PennantPark Investment Corp.	1,841	6,462
Piper Sandler Companies	319	18,872
Portman Ridge Finance Corp.	2,026	2,229
Prospect Capital Corp. (B)	8,135	41,570
Pzena Investment Management, Inc., Class A	1,693	9,210
Raymond James Financial, Inc.	2,893	199,125
S&P Global, Inc.	5,096	1,679,030
Safeguard Scientifics, Inc.	605	4,235
Sculptor Capital Management, Inc.	1,110	14,352
SEI Investments Company	3,150	173,187
Siebert Financial Corp. (A)	573	2,899
Sixth Street Specialty Lending, Inc.	1,483	24,455
Solar Capital, Ltd.	825	13,208
Solar Senior Capital, Ltd.	444	5,697
State Street Corp.	7,587	482,154
Stellus Capital Investment Corp.	500	3,640
Stifel Financial Corp. (B)	1,436	68,109
T. Rowe Price Group, Inc.	4,872	601,692
TCG BDC, Inc.	1,406	12,049
TD Ameritrade Holding Corp.	11,280	410,366
The Bank of New York Mellon Corp.	19,232	743,317
The Blackstone Group, Inc., Class A	13,754	779,302
The Carlyle Group, Inc. (B)	6,916	192,956
The Charles Schwab Corp.	26,785	903,726
The Goldman Sachs Group, Inc.	7,376	1,457,645
THL Credit, Inc.	925	2,997
Tradeweb Markets, Inc., Class A	4,656	270,700
TriplePoint Venture Growth BDC Corp.	568	5,839
Value Line, Inc.	62	1,673
Victory Capital Holdings, Inc., Class A	1,470	25,269
Virtu Financial, Inc., Class A	4,012	94,683
Virtus Investment Partners, Inc.	128	14,885
Waddell & Reed Financial, Inc., Class A	1,572	24,382
Westwood Holdings Group, Inc.	238	3,749
WhiteHorse Finance, Inc.	557	5,737

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
WisdomTree Investments, Inc.	3,569	\$ 12,384
		20,057,175
Consumer finance – 0.6%		
Ally Financial, Inc.	7,943	157,510
American Express Company	17,055	1,623,636
Atlanticus Holdings Corp. (A)	140	1,448
Capital One Financial Corp.	9,699	607,060
Credit Acceptance Corp. (A)	396	165,928
Curo Group Holdings Corp.	965	7,884
Discover Financial Services	6,538	327,488
Elevate Credit, Inc. (A)	1,191	1,763
Encore Capital Group, Inc. (A)	680	23,242
Enova International, Inc. (A)	759	11,286
EZCORP, Inc., Class A (A)	1,448	9,122
FirstCash, Inc.	898	60,597
Green Dot Corp., Class A (A)	1,090	53,497
LendingTree, Inc. (A)	274	79,331
Medallion Financial Corp. (A)	169	448
Navient Corp.	4,655	32,725
Nelnet, Inc., Class A	833	39,767
OneMain Holdings, Inc.	2,859	70,160
Oportun Financial Corp. (A)	399	5,363
PRA Group, Inc. (A)	990	38,273
Regional Management Corp. (A)	265	4,693
Santander Consumer USA Holdings, Inc. (B)	7,110	130,895
SLM Corp.	8,897	62,546
Synchrony Financial	13,479	298,695
World Acceptance Corp. (A)	179	11,728
		3,825,085
Diversified financial services – 1.4%		
Berkshire Hathaway, Inc., Class B (A)	50,958	9,096,513
Equitable Holdings, Inc.	10,222	197,182
GWG Holdings, Inc. (A)	813	6,236
Jefferies Financial Group, Inc.	6,293	97,856
Marlin Business Services Corp.	322	2,724
NewStar Financial, Inc. (A)(C)	1,204	122
On Deck Capital, Inc. (A)	1,768	1,270
Voya Financial, Inc.	2,834	132,206
		9,534,109
Insurance – 1.7%		
Aflac, Inc.	15,325	552,160
Alleghany Corp.	301	147,231
American Equity Investment Life Holding Company	1,955	48,308
American Financial Group, Inc.	1,743	110,611
American International Group, Inc.	18,169	566,509
American National Insurance Company	582	41,945
AMERISAFE, Inc.	412	25,198
Arch Capital Group, Ltd. (A)	8,392	240,431
Argo Group International Holdings, Ltd.	742	25,844
Arthur J. Gallagher & Company	3,894	379,626
Assurant, Inc.	1,268	130,972
Assured Guaranty, Ltd.	2,011	49,089
Axis Capital Holdings, Ltd.	1,773	71,913
Benefytt Technologies, Inc. (A)	323	6,609
Brighthouse Financial, Inc. (A)	2,133	59,340
Brown & Brown, Inc.	5,897	240,362
BRP Group, Inc., Class A (A)	1,080	18,652
Cincinnati Financial Corp.	3,413	218,534
Citizens, Inc. (A)(B)	1,370	8,206
CNA Financial Corp.	5,706	183,448
CNO Financial Group, Inc.	3,245	50,525
Crawford & Company, Class B	1,283	9,019

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Donegal Group, Inc., Class A	786	\$ 11,177
eHealth, Inc. (A)	490	48,138
Employers Holdings, Inc.	720	21,708
Enstar Group, Ltd. (A)	382	58,358
Erie Indemnity Company, Class A	953	182,881
Everest Re Group, Ltd.	822	169,496
FBL Financial Group, Inc., Class A	549	19,704
FedNat Holding Company	438	4,849
Fidelity National Financial, Inc.	5,699	174,731
First American Financial Corp.	2,298	110,350
Genworth Financial, Inc., Class A (A)	10,791	24,927
Globe Life, Inc.	2,260	167,760
Goosehead Insurance, Inc., Class A (A)(B)	767	57,648
Hallmark Financial Services, Inc. (A)	21	73
HCI Group, Inc.	204	9,421
Heritage Insurance Holdings, Inc.	734	9,608
Horace Mann Educators Corp.	900	33,057
Independence Holding Company	356	10,890
Investors Title Company	50	6,066
Kemper Corp.	1,403	101,746
Kinsale Capital Group, Inc.	473	73,414
Lincoln National Corp.	4,156	152,899
Loews Corp.	6,227	213,524
Markel Corp. (A)(B)	289	266,796
Marsh & McLennan Companies, Inc.	10,509	1,128,351
MBIA, Inc. (A)	1,977	14,333
Mercury General Corp.	1,183	48,207
MetLife, Inc.	19,198	701,111
National General Holdings Corp.	2,406	51,994
National Western Life Group, Inc., Class A	79	16,052
NI Holdings, Inc. (A)	641	9,468
Old Republic International Corp.	6,379	104,041
Palomar Holdings, Inc. (A)	514	44,081
Primerica, Inc.	868	101,209
Principal Financial Group, Inc.	5,797	240,807
ProAssurance Corp.	1,182	17,104
ProSight Global, Inc. (A)	575	5,118
Protective Insurance Corp., Class B	474	7,143
Prudential Financial, Inc.	8,385	510,647
Reinsurance Group of America, Inc.	1,269	99,540
RenaissanceRe Holdings, Ltd.	894	152,901
RLI Corp.	951	78,077
Safety Insurance Group, Inc.	334	25,471
Selective Insurance Group, Inc.	1,251	65,978
State Auto Financial Corp.	951	16,975
Stewart Information Services Corp.	487	15,832
The Allstate Corp.	6,754	655,070
The Hanover Insurance Group, Inc.	815	82,584
The Hartford Financial Services Group, Inc.	7,524	290,050
The Progressive Corp.	12,196	977,022
The Travelers Companies, Inc.	5,380	613,589
Trupanion, Inc. (A)	764	32,615
United Fire Group, Inc.	546	15,130
United Insurance Holdings Corp.	1,080	8,446
Universal Insurance Holdings, Inc.	656	11,644
Unum Group	4,336	71,934
W.R. Berkley Corp.	3,793	217,301
White Mountains Insurance Group, Ltd.	67	59,494
		11,603,072
Mortgage real estate investment trusts – 0.2%		
AG Mortgage Investment Trust, Inc.	700	2,233
AGNC Investment Corp.	11,322	146,054
Annaly Capital Management, Inc.	30,032	197,010
Anworth Mortgage Asset Corp.	2,512	4,270

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
Apollo Commercial Real Estate Finance, Inc.	3,205	\$ 31,441
Arbor Realty Trust, Inc.	2,208	20,402
Ares Commercial Real Estate Corp.	789	7,196
Arlington Asset Investment Corp., Class A	651	1,933
ARMOUR Residential REIT, Inc.	1,413	13,268
Blackstone Mortgage Trust, Inc., Class A	2,768	66,681
Broadmark Realty Capital, Inc.	2,185	20,692
Capstead Mortgage Corp.	1,743	9,569
Cherry Hill Mortgage Investment Corp.	423	3,815
Chimera Investment Corp.	3,772	36,249
Colony Credit Real Estate, Inc.	2,808	19,712
Dynex Capital, Inc.	611	8,737
Ellington Residential Mortgage REIT	471	4,851
Exantas Capital Corp.	859	2,276
Granite Point Mortgage Trust, Inc.	1,105	7,934
Great Ajax Corp.	553	5,088
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	1,402	39,901
Invesco Mortgage Capital, Inc.	3,300	12,342
KKR Real Estate Finance Trust, Inc.	1,084	17,973
Ladder Capital Corp.	2,535	20,534
MFA Financial, Inc.	9,342	23,262
New Residential Investment Corp.	8,506	63,200
New York Mortgage Trust, Inc.	5,225	13,637
Orchid Island Capital, Inc.	1,157	5,449
PennyMac Mortgage Investment Trust	1,761	30,870
Ready Capital Corp.	1,006	8,742
Redwood Trust, Inc.	2,127	14,889
Starwood Property Trust, Inc.	5,131	76,760
TPG RE Finance Trust, Inc.	1,656	14,242
Two Harbors Investment Corp.	5,815	29,308
Western Asset Mortgage Capital Corp.	1,158	3,173
		983,693
Thriffs and mortgage finance – 0.1%		
Axos Financial, Inc. (A)	1,364	30,117
Bridgewater Bancshares, Inc. (A)	655	6,714
Capitol Federal Financial, Inc.	1,954	21,514
Columbia Financial, Inc. (A)	2,570	35,864
Federal Agricultural Mortgage Corp., Class C	191	12,226
Federal Home Loan Mortgage Corp. (A)	13,796	30,213
Federal National Mortgage Association (A)(B)	24,360	52,861
Flagstar Bancorp, Inc.	1,271	37,406
Home Bancorp, Inc.	185	4,949
HomeStreet, Inc.	637	15,677
Kearny Financial Corp.	2,110	17,260
Luther Burbank Corp.	1,316	13,160
Merchants Bancorp	686	12,684
Meridian Bancorp, Inc.	1,296	15,034
Meta Financial Group, Inc.	878	15,953
MGIC Investment Corp.	7,310	59,869
New York Community Bancorp, Inc.	10,221	104,254
NMI Holdings, Inc., Class A (A)	1,463	23,525
Northfield Bancorp, Inc.	1,247	14,365
Northwest Bancshares, Inc.	2,105	21,524
Ocwen Financial Corp. (A)	3,672	2,438
PCSB Financial Corp.	498	6,315
PDL Community Bancorp (A)	510	5,192
PennyMac Financial Services, Inc. (B)	1,650	68,954
Pioneer Bancorp, Inc. (A)	233	2,132
Premier Financial Corp.	1,016	17,953
Provident Bancorp, Inc.	677	5,321
Provident Financial Services, Inc.	1,019	14,725

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thriffs and mortgage finance (continued)		
Radian Group, Inc.	4,138	\$ 64,180
Riverview Bancorp, Inc.	881	4,978
Southern Missouri Bancorp, Inc.	216	5,249
Sterling Bancorp, Inc.	1,248	4,468
Territorial Bancorp, Inc.	238	5,662
TFS Financial Corp.	3,937	56,338
Timberland Bancorp, Inc.	255	4,644
TrustCo Bank Corp.	2,562	16,217
Walker & Dunlop, Inc.	652	33,128
Washington Federal, Inc.	1,575	42,273
Western New England Bancorp, Inc.	789	4,568
WSFS Financial Corp.	837	24,022
		933,926
		72,616,745
Health care – 13.8%		
Biotechnology – 3.2%		
89bio, Inc. (A)	252	5,022
AbbVie, Inc.	36,764	3,609,490
Abeona Therapeutics, Inc. (A)	1,575	4,591
ACADIA Pharmaceuticals, Inc. (A)	3,237	156,897
Accelaron Pharma, Inc. (A)(B)	1,123	106,988
Achillion Pharmaceuticals, Inc. (A)(C)	3,410	1,569
Acorda Therapeutics, Inc. (A)	685	503
Aduro Biotech, Inc. (A)	1,561	3,606
Advaxis, Inc. (A)	983	527
Adverum Biotechnologies, Inc. (A)	1,608	33,575
Aeglea BioTherapeutics, Inc. (A)	797	7,372
Agenus, Inc. (A)	2,828	11,114
AgeX Therapeutics, Inc. (A)(B)	474	449
Agius Pharmaceuticals, Inc. (A)	1,366	73,054
Aileron Therapeutics, Inc. (A)	238	281
Aimmune Therapeutics, Inc. (A)(B)	1,362	22,759
Akcea Therapeutics, Inc. (A)	2,025	27,743
Akebia Therapeutics, Inc. (A)	2,523	34,262
Akero Therapeutics, Inc. (A)	639	15,924
Albireo Pharma, Inc. (A)	301	7,973
Alder Biopharmaceuticals, Inc. (A)(C)	1,872	2,765
Aldeyra Therapeutics, Inc. (A)	753	3,140
Alector, Inc. (A)	1,631	39,862
Alexion Pharmaceuticals, Inc. (A)	4,623	518,886
Alkermes PLC (A)	3,356	65,123
Allakos, Inc. (A)(B)	1,022	73,441
Allena Pharmaceuticals, Inc. (A)	267	422
Allogene Therapeutics, Inc. (A)(B)	2,589	110,861
Alnylam Pharmaceuticals, Inc. (A)	2,335	345,837
Alpine Immune Sciences, Inc. (A)	291	2,826
Ambit Biosciences Corp. (A)(C)	515	309
Amgen, Inc.	12,389	2,922,070
Amicus Therapeutics, Inc. (A)(B)	5,441	82,050
AnaptysBio, Inc. (A)	644	14,387
Anika Therapeutics, Inc. (A)	318	11,998
Anixa Biosciences, Inc. (A)	182	557
Apellis Pharmaceuticals, Inc. (A)	1,496	48,859
Applied Genetic Technologies Corp. (A)	455	2,521
Applied Therapeutics, Inc. (A)	468	16,918
Apria Therapeutics, Inc. (A)	410	15,900
Aptinyx, Inc. (A)	716	2,986
AquaBounty Technologies, Inc. (A)	180	580
Aravive, Inc. (A)	271	3,154
Arcus Biosciences, Inc. (A)	883	21,845
Ardelyx, Inc. (A)	1,613	11,162
Arena Pharmaceuticals, Inc. (A)	1,074	67,608
Aridis Pharmaceuticals, Inc. (A)	122	804
Arrowhead Pharmaceuticals, Inc. (A)(B)	2,115	91,347
Assembly Biosciences, Inc. (A)	650	15,158

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Atara Biotherapeutics, Inc. (A)	1,073	\$ 15,634
Athenex, Inc. (A)	1,583	21,782
Atreca, Inc., Class A (A)	627	13,343
aTyr Pharma, Inc. (A)	89	395
AVEO Pharmaceuticals, Inc. (A)	241	1,241
Avid Bioservices, Inc. (A)	992	6,512
Avrobio, Inc. (A)	793	13,838
Axcella Health, Inc. (A)	367	2,030
AzurRx BioPharma, Inc. (A)	283	256
Bellicum Pharmaceuticals, Inc. (A)	60	446
BioCryst Pharmaceuticals, Inc. (A)	2,966	14,133
Biogen, Inc. (A)	3,763	1,006,791
BioMarin Pharmaceutical, Inc. (A)	3,758	463,512
BioNTech SE, ADR (A)	24	1,602
BioSpecifics Technologies Corp. (A)	186	11,398
Bioxcel Therapeutics, Inc. (A)	451	23,908
Bluebird Bio, Inc. (A)	1,170	71,417
Blueprint Medicines Corp. (A)(B)	1,044	81,432
Bridgebio Pharma, Inc. (A)(B)	2,607	85,014
Cabaletta Bio, Inc. (A)	446	4,968
Caladrius Biosciences, Inc. (A)	30	53
Calithera Biosciences, Inc. (A)	1,063	5,613
Calyxt, Inc. (A)	631	3,111
CareDx, Inc. (A)	890	31,533
CASI Pharmaceuticals, Inc. (A)(B)	2,445	6,113
Castle Biosciences, Inc. (A)	321	12,098
Catabasis Pharmaceuticals, Inc. (A)	218	1,402
Catalyst Biosciences, Inc. (A)	289	1,696
Catalyst Pharmaceuticals, Inc. (A)	2,374	10,968
Celcuty, Inc. (A)	343	2,377
Celldex Therapeutics, Inc. (A)	189	2,457
CEL-SCI Corp. (A)(B)	784	11,697
Checkpoint Therapeutics, Inc. (A)	977	1,934
ChemoCentryx, Inc. (A)(B)	1,232	70,889
Chimerix, Inc. (A)	1,055	3,271
Cidara Therapeutics, Inc. (A)	566	2,089
Clovis Oncology, Inc. (A)(B)	1,468	9,909
Cohbar, Inc. (A)	665	1,031
Coherus Biosciences, Inc. (A)	1,434	25,611
Concert Pharmaceuticals, Inc. (A)	641	6,378
Constellation Pharmaceuticals, Inc. (A)	841	25,272
Cortexyme, Inc. (A)	576	26,669
Corvus Pharmaceuticals, Inc. (A)	464	1,262
Crinetics Pharmaceuticals, Inc. (A)	559	9,794
CTI BioPharma Corp. (A)	785	911
Cue Biopharma, Inc. (A)	571	13,995
Curis, Inc. (A)	294	356
Cyclerion Therapeutics, Inc. (A)	497	2,937
Cytokinetics, Inc. (A)	1,346	31,725
CytomX Therapeutics, Inc. (A)	1,018	8,480
CytRx Corp. (A)	148	101
Deciphera Pharmaceuticals, Inc. (A)	1,040	62,109
Denali Therapeutics, Inc. (A)(B)	2,072	50,101
Dicerna Pharmaceuticals, Inc. (A)	1,487	37,770
Dynavax Technologies Corp. (A)	1,633	14,485
Eagle Pharmaceuticals, Inc. (A)	282	13,530
Editas Medicine, Inc. (A)	1,129	33,396
Eidos Therapeutics, Inc. (A)	805	38,374
Eiger BioPharmaceuticals, Inc. (A)	622	5,971
Emergent BioSolutions, Inc. (A)	1,092	86,355
Enanta Pharmaceuticals, Inc. (A)	427	21,440
Entasis Therapeutics Holdings, Inc. (A)	95	281
Epizyme, Inc. (A)	1,858	29,839
Equillium, Inc. (A)	266	785
Esperion Therapeutics, Inc. (A)	591	30,324

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Evelo Biosciences, Inc. (A)	556	\$ 2,724
Exact Sciences Corp. (A)	3,078	267,601
Exelixis, Inc. (A)	6,393	151,770
Fate Therapeutics, Inc. (A)(B)	1,591	54,587
Fennec Pharmaceuticals, Inc. (A)	150	1,253
FibroGen, Inc. (A)(B)	1,854	75,143
Five Prime Therapeutics, Inc. (A)	639	3,898
Flexion Therapeutics, Inc. (A)	867	11,401
Forte Biosciences, Inc. (A)	19	277
Fortress Biotech, Inc. (A)	1,317	3,530
Frequency Therapeutics, Inc. (A)	594	13,811
G1 Therapeutics, Inc. (A)	777	18,850
Galectin Therapeutics, Inc. (A)(B)	1,661	5,083
Galera Therapeutics, Inc. (A)	444	3,170
Genocea Biosciences, Inc. (A)	368	846
Genprex, Inc. (A)(B)	538	1,689
Geron Corp. (A)	4,452	9,705
Gilead Sciences, Inc.	26,387	2,030,216
Global Blood Therapeutics, Inc. (A)(B)	1,269	80,112
GlycoMimetics, Inc. (A)	901	3,388
Gossamer Bio, Inc. (A)	1,462	19,006
Gritstone Oncology, Inc. (A)	653	4,336
Halozyme Therapeutics, Inc. (A)	3,113	83,460
Harpoon Therapeutics, Inc. (A)	583	9,678
Homology Medicines, Inc. (A)	999	15,175
Hookipa Pharma, Inc. (A)	641	7,448
Ideaya Biosciences, Inc. (A)	355	5,045
Idera Pharmaceuticals, Inc. (A)	248	444
IGM Biosciences, Inc. (A)	619	45,187
Immunic, Inc. (A)	166	2,012
ImmunoGen, Inc. (A)	3,467	15,948
Immunomedics, Inc. (A)	4,350	154,164
Incyte Corp. (A)	4,501	467,969
Infinity Pharmaceuticals, Inc. (A)	876	792
Immune Bio, Inc. (A)	113	593
Inovio Pharmaceuticals, Inc. (A)(B)	2,493	67,186
Insmed, Inc. (A)(B)	1,902	52,381
Intellia Therapeutics, Inc. (A)	993	20,873
Intercept Pharmaceuticals, Inc. (A)(B)	693	33,202
Invitae Corp. (A)	2,091	63,336
Ionis Pharmaceuticals, Inc. (A)(B)	2,950	173,932
Ironwood Pharmaceuticals, Inc. (A)	3,357	34,644
IsoRay, Inc. (A)	503	279
IVERIC bio, Inc. (A)	929	4,738
Jounce Therapeutics, Inc. (A)	886	6,113
Kadmon Holdings, Inc. (A)	3,142	16,087
KalVista Pharmaceuticals, Inc. (A)	368	4,453
Karuna Therapeutics, Inc. (A)(B)	535	59,631
Kezar Life Sciences, Inc. (A)	677	3,507
Kindred Biosciences, Inc. (A)	928	4,167
Kinksa Pharmaceuticals, Ltd., Class A (A)	1,104	28,130
Kodiak Sciences, Inc. (A)(B)	899	48,654
Krystal Biotech, Inc. (A)	389	16,112
Kura Oncology, Inc. (A)	1,043	17,001
Larimar Therapeutics, Inc. (A)	24	308
Leap Therapeutics, Inc. (A)	353	738
Lexicon Pharmaceuticals, Inc. (A)(B)	2,562	5,111
Ligand Pharmaceuticals, Inc. (A)	376	42,056
Lineage Cell Therapeutics, Inc. (A)	2,770	2,410
LogicBio Therapeutics, Inc. (A)	598	5,059
Lumos Pharma, Inc. (A)	28	462
MacroGenics, Inc. (A)	1,031	28,786
Madrigal Pharmaceuticals, Inc. (A)	332	37,599
Magenta Therapeutics, Inc. (A)	934	7,014
MannKind Corp. (A)	3,858	6,752

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Marker Therapeutics, Inc. (A)	741	\$ 1,534
Matinas BioPharma Holdings, Inc. (A)	3,715	2,872
MediciNova, Inc. (A)	1,166	6,320
MEI Pharma, Inc. (A)	2,438	10,069
MeiraGTx Holdings PLC (A)	698	8,739
Mersana Therapeutics, Inc. (A)	965	22,581
Millendo Therapeutics, Inc. (A)	320	563
Minerva Neurosciences, Inc. (A)	988	3,567
Miragen Therapeutics, Inc. (A)	586	650
Mirum Pharmaceuticals, Inc. (A)	498	9,691
Moderna, Inc. (A)(B)	6,993	449,021
Molecular Templates, Inc. (A)	878	12,108
Moleculin Biotech, Inc. (A)	231	224
Momenta Pharmaceuticals, Inc. (A)(B)	2,318	77,120
Monopar Therapeutics, Inc. (A)	140	1,044
Morphic Holding, Inc. (A)	695	18,800
Mustang Bio, Inc. (A)	665	2,115
Myriad Genetics, Inc. (A)	1,593	18,065
NantKwest, Inc. (A)(B)	1,977	24,278
Natera, Inc. (A)	1,602	79,876
NeuroBo Pharmaceuticals, Inc. (A)	306	2,463
Neurocrine Biosciences, Inc. (A)	1,931	235,582
NextCure, Inc. (A)	542	11,620
Northwest Biotherapeutics, Inc. (A)	8,283	2,848
Novavax, Inc. (A)(B)	637	53,094
Ocugen, Inc. (A)	515	114
Omthera Pharmaceuticals, Inc. (A)(C)	598	368
Omthera Pharmaceuticals, Inc. (A)(C)	498	137
Oncocyte Corp. (A)	1,050	2,006
OncoMed Pharmaceuticals, Inc. (A)(C)	498	5
Oncternal Therapeutics, Inc. (A)(C)	38	78
Oncternal Therapeutics, Inc. (A)	198	562
OPKO Health, Inc. (A)(B)	13,787	47,014
Organogenics, Inc. (A)	258	179
Organogenesis Holdings, Inc. (A)	2,172	8,340
Orgenesis, Inc. (A)	226	1,374
Outlook Therapeutics, Inc. (A)	95	123
Ovid therapeutics, Inc. (A)	844	6,220
Oyster Point Pharma, Inc. (A)	431	12,447
Palatin Technologies, Inc. (A)	2,895	1,482
PDL BioPharma, Inc. (A)	1,734	5,046
Pfex, Inc. (A)	763	6,371
PhaseBio Pharmaceuticals, Inc. (A)	533	2,452
Pieris Pharmaceuticals, Inc. (A)	1,471	4,560
PolarityTE, Inc. (A)	541	671
Portola Pharmaceuticals, Inc. (A)	1,588	28,568
Precigen, Inc. (A)(B)	3,241	16,173
Precision BioSciences, Inc. (A)	1,182	9,846
Prevail Therapeutics, Inc. (A)	788	11,741
Principia Biopharma, Inc. (A)	662	39,581
Protagonist Therapeutics, Inc. (A)	497	8,777
Protalix BioTherapeutics, Inc. (A)	191	724
Protara Therapeutics, Inc. (A)	99	2,903
Proteostasis Therapeutics, Inc. (A)	818	1,121
PTC Therapeutics, Inc. (A)	1,304	66,165
Puma Biotechnology, Inc. (A)	890	9,283
RAPT Therapeutics, Inc. (A)	483	14,017
Regeneron Pharmaceuticals, Inc. (A)	2,291	1,428,782
REGENXBIO, Inc. (A)	794	29,243
Replimune Group, Inc. (A)	661	16,426
Retrophin, Inc. (A)	1,004	20,492
Rhythm Pharmaceuticals, Inc. (A)	820	18,286
Rigel Pharmaceuticals, Inc. (A)	3,503	6,410
Rocket Pharmaceuticals, Inc. (A)	1,021	21,370
Rubius Therapeutics, Inc. (A)(B)	1,799	10,758

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Sage Therapeutics, Inc. (A)	1,099	\$ 45,696
Sangamo Therapeutics, Inc. (A)	2,664	23,869
Sarepta Therapeutics, Inc. (A)	1,560	250,130
Savara, Inc. (A)	756	1,882
Scholar Rock Holding Corp. (A)	577	10,507
Seattle Genetics, Inc. (A)	3,582	608,653
Selecta Biosciences, Inc. (A)	1,693	4,808
Seres Therapeutics, Inc. (A)	1,320	6,283
Sesen Bio, Inc. (A)	3,446	2,481
Sierra Oncology, Inc. (A)	189	2,300
Soleno Therapeutics, Inc. (A)	791	1,756
Solid Biosciences, Inc. (A)(B)	867	2,540
Sophiris Bio, Inc. (A)	341	3
Spectrum Pharmaceuticals, Inc. (A)	2,679	9,055
Spero Therapeutics, Inc. (A)	578	7,820
SpringWorks Therapeutics, Inc. (A)	861	36,162
Stemline Therapeutics, Inc. (A)(C)	1,279	422
Stoke Therapeutics, Inc. (A)	722	17,205
Sunesis Pharmaceuticals, Inc. (A)	1,989	524
Surface Oncology, Inc. (A)	500	3,280
Sutro Biopharma, Inc. (A)	635	4,928
Syndax Pharmaceuticals, Inc. (A)	629	9,322
Synergy Pharmaceuticals, Inc. (A)(C)	6,230	18
Synlogic, Inc. (A)	542	1,100
Syros Pharmaceuticals, Inc. (A)	797	8,496
T2 Biosystems, Inc. (A)	330	419
TCR2 Therapeutics, Inc. (A)	593	9,108
Translate Bio, Inc. (A)	1,155	20,698
Trevena, Inc. (A)	1,341	2,012
Turning Point Therapeutics, Inc. (A)(B)	737	47,603
Twist Bioscience Corp. (A)	774	35,062
Tyme Technologies, Inc. (A)	1,883	2,504
Ultragenyx Pharmaceutical, Inc. (A)(B)	1,226	95,898
United Therapeutics Corp. (A)	924	111,804
UNITY Biotechnology, Inc. (A)(B)	783	6,796
UroGen Pharma, Ltd. (A)	495	12,929
Vaccinex, Inc. (A)	242	874
Vanda Pharmaceuticals, Inc. (A)	1,222	13,980
Vaxart, Inc. (A)	696	6,160
Veracyte, Inc. (A)	1,069	27,687
Verastem, Inc. (A)	1,390	2,391
Vericel Corp. (A)	881	12,175
Vertex Pharmaceuticals, Inc. (A)	5,366	1,557,803
Viela Bio, Inc. (A)	1,042	45,139
Viking Therapeutics, Inc. (A)	1,686	12,156
Vir Biotechnology, Inc. (A)(B)	2,250	92,183
Voyager Therapeutics, Inc. (A)	743	9,377
vTv Therapeutics, Inc., Class A (A)	1,048	2,358
X4 Pharmaceuticals, Inc. (A)	308	2,871
XBiotech, Inc. (A)(B)	761	10,433
Xencor, Inc. (A)	1,222	39,581
XOMA Corp. (A)	228	4,505
Y-mAbs Therapeutics, Inc. (A)	853	36,850
ZIOPHARM Oncology, Inc. (A)	4,026	13,205
		21,783,111
Health care equipment and supplies – 3.0%		
Abbott Laboratories	36,865	3,370,567
ABIOMED, Inc. (A)	945	228,274
Accelerate Diagnostics, Inc. (A)(B)	1,138	17,252
Accuray, Inc. (A)	2,263	4,594
Align Technology, Inc. (A)	1,646	451,728
Alphatec Holdings, Inc. (A)	1,472	6,918
AngioDynamics, Inc. (A)	928	9,438
Antares Pharma, Inc. (A)	3,736	10,274
Apollo Endosurgery, Inc. (A)	37	60

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Apyx Medical Corp. (A)	890	\$ 4,940
Aspira Women's Health, Inc. (A)	1,357	5,211
AtriCure, Inc. (A)	858	38,567
Atrion Corp.	39	24,843
Avanos Medical, Inc. (A)	1,021	30,007
Axogen, Inc. (A)	892	8,242
Axonics Modulation Technologies, Inc. (A)	663	23,278
Baxter International, Inc.	10,647	916,707
Becton, Dickinson and Company	5,635	1,348,286
BioLife Solutions, Inc. (A)	435	7,112
Boston Scientific Corp. (A)	29,075	1,020,823
Cantel Medical Corp.	896	39,630
Cardiovascular Systems, Inc. (A)	748	23,599
Cerus Corp. (A)	3,177	20,968
ChemBio Diagnostics, Inc. (A)	117	380
Co-Diagnostics, Inc. (A)(B)	371	7,179
Conformis, Inc. (A)	2,110	1,730
CONMED Corp.	596	42,906
CryoLife, Inc. (A)	840	16,103
CryoPort, Inc. (A)	806	24,382
Cutera, Inc. (A)	347	4,223
CytoSorbents Corp. (A)	847	8,385
Danaher Corp.	14,471	2,558,907
Dare Bioscience, Inc. (A)	111	110
Dentsply Sirona, Inc.	4,653	205,011
DexCom, Inc. (A)	1,909	773,909
Edwards Lifesciences Corp. (A)	13,044	901,471
Ekso Bionics Holdings, Inc. (A)	50	420
ElectroCore, Inc. (A)	177	146
Electromed, Inc. (A)	69	1,062
Envista Holdings Corp. (A)	3,026	63,818
Establishment Labs Holdings, Inc. (A)	483	9,022
FONAR Corp. (A)	224	4,787
GenMark Diagnostics, Inc. (A)	1,560	22,948
Glaukos Corp. (A)	914	35,116
Globus Medical, Inc., Class A (A)	2,085	99,475
Haemonetics Corp. (A)	1,063	95,202
Heska Corp. (A)	175	16,305
Hill-Rom Holdings, Inc.	1,394	153,033
Hologic, Inc. (A)	5,610	319,770
ICU Medical, Inc. (A)	434	79,991
IDEXX Laboratories, Inc. (A)	1,789	590,656
Inogen, Inc. (A)	473	16,801
Insulet Corp. (A)	1,291	250,790
Integer Holdings Corp. (A)	687	50,185
Integra LifeSciences Holdings Corp. (A)	1,805	84,817
IntriCon Corp. (A)	23	311
Intuitive Surgical, Inc. (A)	2,410	1,373,290
Invacare Corp.	844	5,376
iRadimed Corp. (A)	275	6,383
iRhythm Technologies, Inc. (A)(B)	563	65,246
IRIDEX Corp. (A)	87	184
Lantheus Holdings, Inc. (A)	1,472	21,050
LeMaitre Vascular, Inc.	475	12,540
Masimo Corp. (A)	1,115	254,209
Meridian Bioscience, Inc. (A)	1,112	25,898
Merit Medical Systems, Inc. (A)(B)	1,168	53,319
Mesa Laboratories, Inc.	96	20,813
Microbot Medical, Inc. (A)	54	373
Misonix, Inc. (A)	328	4,451
Motus GI Holdings, Inc. (A)	239	313
Natus Medical, Inc. (A)	710	15,492
Neogen Corp. (A)(B)	1,108	85,981
Neuronetics, Inc. (A)	136	262
Nevro Corp. (A)(B)	651	77,775

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
NuVasive, Inc. (A)(B)	1,095	\$ 60,948
OraSure Technologies, Inc. (A)	1,505	17,503
Orthofix Medical, Inc. (A)	439	14,048
OrthoPediatrics Corp. (A)	364	15,929
PAVmed, Inc. (A)	411	867
Penumbra, Inc. (A)	731	130,717
Pulse Biosciences, Inc. (A)	385	4,027
Quidel Corp. (A)	883	197,562
RA Medical Systems, Inc. (A)	53	26
ResMed, Inc.	2,997	575,424
Rockwell Medical, Inc. (A)(B)	1,097	2,139
RTI Surgical Holdings, Inc. (A)	1,366	4,344
SeaSpine Holdings Corp. (A)	591	6,188
Second Sight Medical Products, Inc. (A)(B)	151	148
Senseonics Holdings, Inc. (A)	3,713	1,448
Shockwave Medical, Inc. (A)	654	30,980
SI-BONE, Inc. (A)	650	10,361
Sientra, Inc. (A)	851	3,293
Silk Road Medical, Inc. (A)	667	27,941
SmileDirectClub, Inc. (A)(B)	7,849	62,007
Soliton, Inc. (A)	459	3,571
STAAR Surgical Company (A)	955	58,771
Stereotaxis, Inc. (A)	1,627	7,256
Stryker Corp.	7,803	1,406,023
Surmodics, Inc. (A)	315	13,621
Tactile Systems Technology, Inc. (A)	415	17,193
Tandem Diabetes Care, Inc. (A)	1,236	122,265
Tela Bio, Inc. (A)	142	1,840
Teleflex, Inc.	965	351,241
The Cooper Companies, Inc.	1,033	293,000
TransEnterix, Inc. (A)	230	124
TransMedics Group, Inc. (A)	477	8,548
Utah Medical Products, Inc.	94	8,330
Vapotherm, Inc. (A)	424	17,380
Varex Imaging Corp. (A)	786	11,908
Varian Medical Systems, Inc. (A)	1,897	232,420
Venus Concept, Inc. (A)	559	1,951
West Pharmaceutical Services, Inc.	1,544	350,750
Zimmer Biomet Holdings, Inc.	4,291	512,174
		20,657,890
Health care providers and services – 2.5%		
Acadia Healthcare Company, Inc. (A)	1,902	47,778
Aceto Corp. (A)(C)	853	0
Addus HomeCare Corp. (A)	312	28,879
Amedisys, Inc. (A)	684	135,801
American Renal Associates Holdings, Inc. (A)	895	5,835
AmerisourceBergen Corp.	4,293	432,606
AMN Healthcare Services, Inc. (A)	979	44,290
Anthem, Inc.	5,292	1,391,690
Apollo Medical Holdings, Inc. (A)	645	10,643
BioTelemetry, Inc. (A)	716	32,356
Brookdale Senior Living, Inc. (A)	4,129	12,181
Capital Senior Living Corp. (A)	410	291
Cardinal Health, Inc.	6,108	318,777
Catasy, Inc. (A)(B)	418	10,341
Centene Corp. (A)	12,194	774,929
Chemed Corp.	338	152,462
Cigna Corp.	7,788	1,461,418
Community Health Systems, Inc. (A)	2,677	8,058
CorVel Corp. (A)	411	29,136
Covetrus, Inc. (A)	2,407	43,061
Cross Country Healthcare, Inc. (A)	923	5,686
CVS Health Corp.	27,117	1,761,791

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (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)		
DaVita, Inc. (A)	2,696	\$ 213,361
Encompass Health Corp.	2,097	129,867
Enzo Biochem, Inc. (A)	1,266	2,836
Exagen, Inc. (A)	164	2,035
Five Star Senior Living, Inc. (A)	577	2,250
Fulgent Genetics, Inc. (A)	357	5,712
Genesis Healthcare, Inc. (A)	3,004	2,073
Guardant Health, Inc. (A)	1,967	159,583
Hanger, Inc. (A)	826	13,679
HCA Healthcare, Inc.	7,080	687,185
HealthEquity, Inc. (A)	1,482	86,949
Henry Schein, Inc. (A)	3,062	178,790
Humana, Inc.	2,764	1,071,741
InfuSystem Holdings, Inc. (A)	171	1,973
Interpace Biosciences, Inc. (A)	73	339
Laboratory Corp. of America Holdings (A)	2,032	337,536
LHC Group, Inc. (A)	671	116,969
Magellan Health, Inc. (A)	528	38,533
McKesson Corp.	3,757	576,399
MedCath Corp. (A)(C)	613	307
MEDNAX, Inc. (A)	1,742	29,788
Molina Healthcare, Inc. (A)	1,318	234,578
National HealthCare Corp.	341	21,633
National Research Corp.	530	30,851
Option Care Health, Inc. (A)(B)	3,590	49,829
Owens & Minor, Inc.	1,464	11,156
Patterson Companies, Inc.	2,037	44,814
PetIQ, Inc. (A)	575	20,033
Premier, Inc., Class A (A)	2,552	87,483
Progyny, Inc. (A)	1,674	43,206
Quest Diagnostics, Inc.	2,829	322,393
Quorum Health Corp. (A)	379	44
R1 RCM, Inc. (A)	2,386	26,604
RadNet, Inc. (A)	1,162	18,441
Select Medical Holdings Corp. (A)	2,879	42,408
Surgery Partners, Inc. (A)	1,125	13,016
Tenet Healthcare Corp. (A)	2,202	39,878
The Ensign Group, Inc. (B)	1,158	48,462
The Joint Corp. (A)	360	5,497
The Pennant Group, Inc. (A)	613	13,854
The Providence Service Corp. (A)	241	19,017
Tivity Health, Inc. (A)	1,068	12,100
UnitedHealth Group, Inc.	19,753	5,826,147
Universal Health Services, Inc., Class B	1,840	170,918
US Physical Therapy, Inc.	281	22,767
		17,491,043
Health care technology – 0.3%		
Allscripts Healthcare Solutions, Inc. (A)	3,473	23,512
Castlight Health, Inc., B Shares (A)	3,656	3,034
Cerner Corp.	6,543	448,523
Change Healthcare, Inc. (A)	2,632	29,478
Computer Programs & Systems, Inc.	332	7,566
Evolent Health, Inc., Class A (A)	1,837	13,079
Health Catalyst, Inc. (A)	658	19,194
HealthStream, Inc. (A)	730	16,155
HMS Holdings Corp. (A)	1,882	60,958
HTG Molecular Diagnostics, Inc. (A)	439	316
Icad, Inc. (A)	189	1,888
Inovalon Holdings, Inc., Class A (A)(B)	3,280	63,173
Inspire Medical Systems, Inc. (A)	513	44,641
Livongo Health, Inc. (A)(B)	1,877	141,132
MTBC, Inc. (A)	38	315
NantHealth, Inc. (A)(B)	2,869	13,140
NextGen Healthcare, Inc. (A)	1,375	15,098
Omnicell, Inc. (A)	878	62,004

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care technology (continued)		
Phreesia, Inc. (A)	625	\$ 17,675
Simulations Plus, Inc.	395	23,629
Tabula Rasa HealthCare, Inc. (A)	474	25,942
Teladoc Health, Inc. (A)(B)	1,519	289,886
Veeva Systems, Inc., Class A (A)	3,085	723,186
Vocera Communications, Inc. (A)	698	14,798
		2,058,322
Life sciences tools and services – 1.2%		
10X Genomics, Inc., Class A (A)(B)	2,009	179,424
Adaptive Biotechnologies Corp. (A)	2,619	126,707
Agilent Technologies, Inc.	6,459	570,782
Avantor, Inc. (A)	11,929	202,793
Bio-Rad Laboratories, Inc., Class A (A)	625	282,181
Bio-Techne Corp.	797	210,464
Bruker Corp. (B)	3,230	131,396
Champions Oncology, Inc. (A)	117	1,119
Charles River Laboratories International, Inc. (A)	1,022	178,186
Codexis, Inc. (A)	1,349	15,379
Fluidigm Corp. (A)	1,624	6,512
Harvard Bioscience, Inc. (A)	117	363
Illumina, Inc. (A)	3,065	1,135,123
IQVIA Holdings, Inc. (A)	4,049	574,472
Luminex Corp.	874	28,431
Medpace Holdings, Inc. (A)	761	70,788
Mettler-Toledo International, Inc. (A)	508	409,219
NanoString Technologies, Inc. (A)	769	22,570
NeoGenomics, Inc. (A)	2,242	69,457
Pacific Biosciences of California, Inc. (A)	3,229	11,140
PerkinElmer, Inc.	2,318	227,373
Personalis, Inc. (A)	696	9,027
PRA Health Sciences, Inc. (A)	1,329	129,298
Quanterix Corp. (A)	534	14,626
Repligen Corp. (A)	1,100	135,971
Syneos Health, Inc. (A)	2,189	127,509
Thermo Fisher Scientific, Inc.	8,354	3,026,988
Waters Corp. (A)	1,344	242,458
		8,139,756
Pharmaceuticals – 3.6%		
AcelRx Pharmaceuticals, Inc. (A)(B)	2,585	3,128
Acer Therapeutics, Inc. (A)	96	329
Aclaris Therapeutics, Inc. (A)	517	838
Adamis Pharmaceuticals Corp. (A)	433	233
Aerie Pharmaceuticals, Inc. (A)	991	14,627
Agile Therapeutics, Inc. (A)	1,600	4,448
Akorn, Inc. (A)	2,371	664
Alexza Pharmaceuticals, Inc. (A)(C)	2,067	72
Alimera Sciences, Inc. (A)	27	170
AMAG Pharmaceuticals, Inc. (A)	863	6,602
Anneal Pharmaceuticals, Inc. (A)	6,203	29,526
Amphastar Pharmaceuticals, Inc. (A)	1,078	24,212
Ampio Pharmaceuticals, Inc. (A)	2,637	1,680
ANI Pharmaceuticals, Inc. (A)	272	8,796
Aquestive Therapeutics, Inc. (A)	866	4,209
Arvinas, Inc. (A)	815	27,335
Assertio Holdings, Inc. (A)	1,244	1,066
Avenue Therapeutics, Inc. (A)	250	2,693
Axsome Therapeutics, Inc. (A)(B)	727	59,818
Baudax Bio, Inc. (A)	268	1,112
BioDelivery Sciences International, Inc. (A)	2,072	9,034
Bristol-Myers Squibb Company	48,873	2,873,732
Cara Therapeutics, Inc. (A)	906	15,493
Cassava Sciences, Inc. (A)	283	872
Catalent, Inc. (A)	3,070	225,031

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
cbdMD, Inc. (A)	329	\$ 628
Cerecor, Inc. (A)	1,421	3,695
Chiasma, Inc. (A)	883	4,751
Clearside Biomedical, Inc. (A)	736	1,384
CNS Pharmaceuticals, Inc. (A)	142	304
Cocrystal Pharma, Inc. (A)	578	879
Collegium Pharmaceutical, Inc. (A)	742	12,985
Corcept Therapeutics, Inc. (A)	2,419	40,688
Dova Pharmaceuticals, Inc. (A)(C)	702	1,008
Durect Corp. (A)	4,211	9,770
Elanco Animal Health, Inc. (A)	7,805	167,417
Eli Lilly & Company	20,017	3,286,391
Eloxx Pharmaceuticals, Inc. (A)	776	2,351
Endo International PLC (A)	4,819	16,529
Eton Pharmaceuticals, Inc. (A)	108	589
Evoform Biosciences, Inc. (A)	1,381	3,908
Evoke Pharma, Inc. (A)	132	467
Evolus, Inc. (A)	639	3,387
EyeGate Pharmaceuticals, Inc. (A)	50	242
Eyenovia, Inc. (A)	204	579
Fulcrum Therapeutics, Inc. (A)	449	8,212
Harrow Health, Inc. (A)	642	3,345
Horizon Therapeutics PLC (A)	3,931	218,485
Hoth Therapeutics, Inc. (A)	97	250
Innoviva, Inc. (A)	2,164	30,253
Intersect ENT, Inc. (A)	718	9,722
Johnson & Johnson	54,848	7,713,274
Kala Pharmaceuticals, Inc. (A)	663	6,968
Kaleido Biosciences, Inc. (A)	768	5,706
Lannett Company, Inc. (A)	920	6,679
Liquidia Technologies, Inc. (A)	518	4,362
Marinus Pharmaceuticals, Inc. (A)	1,618	4,110
Menlo Therapeutics, Inc. (A)	438	758
Merck & Company, Inc.	53,082	4,104,831
MyoKardia, Inc. (A)	980	94,688
Nektar Therapeutics (A)(B)	3,720	86,155
Neos Therapeutics, Inc. (A)	642	440
NGM Biopharmaceuticals, Inc. (A)	1,448	28,584
Ocular Therapeutix, Inc. (A)(B)	1,256	10,462
Odonate Therapeutics, Inc. (A)	680	28,791
Omeros Corp. (A)(B)	1,206	17,752
Onconova Therapeutics, Inc. (A)	2,289	1,296
Opiant Pharmaceuticals, Inc. (A)	15	134
Optinose, Inc. (A)	957	7,120
Oramed Pharmaceuticals, Inc. (A)	149	526
Osmotica Pharmaceuticals PLC (A)	1,116	7,511
Otonomy, Inc. (A)	1,027	3,718
Pacira BioSciences, Inc. (A)	888	46,593
Paratek Pharmaceuticals, Inc. (A)	561	2,928
Pfizer, Inc.	115,382	3,772,991
Phathom Pharmaceuticals, Inc. (A)	484	15,928
Phibro Animal Health Corp., Class A	851	22,356
PLx Pharma, Inc. (A)	113	358
Prestige Consumer Healthcare, Inc. (A)	1,076	40,415
Prevention Bio, Inc. (A)	951	13,419
Pulmatrix, Inc. (A)	145	249
Reata Pharmaceuticals, Inc., Class A (A)(B)	634	98,917
Recro Pharma, Inc. (A)	531	2,416
resTORbio, Inc. (A)	531	1,142
Revance Therapeutics, Inc. (A)	1,026	25,055
Satsuma Pharmaceuticals, Inc. (A)	335	9,635
scPharmaceuticals, Inc. (A)	325	2,392
SCYNEXIS, Inc. (A)	1,304	979
Seelos Therapeutics, Inc. (A)	443	447

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
SIGA Technologies, Inc. (A)	1,954	\$ 11,548
Strongbridge Biopharma PLC (A)	966	3,651
Supernus Pharmaceuticals, Inc. (A)	1,139	27,051
TFF Pharmaceuticals, Inc. (A)	107	616
TherapeuticsMD, Inc. (A)(B)	5,607	7,009
Tilray, Inc., Class 2 (A)(B)	2,131	15,151
Tobira Therapeutics, Inc. (A)(C)	609	8,630
Tricida, Inc. (A)	1,068	29,349
Urovant Sciences, Ltd. (A)	750	7,380
Verrica Pharmaceuticals, Inc. (A)	659	7,256
VIVUS, Inc. (A)	50	41
Xeris Pharmaceuticals, Inc. (A)	839	2,232
Zoetis, Inc.	9,934	1,361,355
Zogenix, Inc. (A)	961	25,957
Zomedica Pharmaceuticals Corp. (A)	638	152
Zynerba Pharmaceuticals, Inc. (A)(B)	581	1,958
		24,843,360
		94,973,482
Industrials – 8.4%		
Aerospace and defense – 1.7%		
AAR Corp.	757	15,647
Aerjet Rocketdyne Holdings, Inc. (A)(B)	1,656	65,644
AeroVironment, Inc. (A)	512	40,771
Applied Energetics, Inc. (A)	2,078	608
Astronics Corp. (A)	623	6,579
Axon Enterprise, Inc. (A)	1,246	122,270
BWX Technologies, Inc.	2,006	113,620
Cubic Corp.	661	31,748
Curtiss-Wright Corp.	892	79,638
Ducommun, Inc. (A)	268	9,345
General Dynamics Corp.	6,029	901,094
HEICO Corp., Class A	2,801	227,553
Hexcel Corp. (B)	1,762	79,678
Howmet Aerospace, Inc.	9,105	144,314
Huntington Ingalls Industries, Inc.	853	148,840
Innovative Solutions & Support, Inc. (A)	23	115
Kratos Defense & Security Solutions, Inc. (A)	2,288	35,761
L3Harris Technologies, Inc.	4,608	781,839
Lockheed Martin Corp.	5,878	2,145,000
Maxar Technologies, Inc.	1,313	23,581
Mercury Systems, Inc. (A)	1,164	91,560
Moog, Inc., Class A	733	38,834
National Presto Industries, Inc.	169	14,769
Northrop Grumman Corp.	3,512	1,079,729
Park Aerospace Corp.	561	6,250
Parsons Corp. (A)	2,091	75,778
Raytheon Technologies Corp.	31,525	1,942,571
Spirit AeroSystems Holdings, Inc., Class A	2,171	51,974
Teledyne Technologies, Inc. (A)	761	236,633
Textron, Inc.	4,772	157,047
The Boeing Company	11,733	2,150,659
TransDigm Group, Inc.	1,116	493,328
Triumph Group, Inc.	1,030	9,280
Vectrus, Inc. (A)	262	12,872
		11,334,929
Air freight and logistics – 0.5%		
Air Transport Services Group, Inc. (A)	1,293	28,795
Atlas Air Worldwide Holdings, Inc. (A)	480	20,654
C.H. Robinson Worldwide, Inc. (B)	2,831	223,819
Echo Global Logistics, Inc. (A)	631	13,642
Expeditors International of Washington, Inc.	3,392	257,928
FedEx Corp.	5,449	764,059

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Air freight and logistics (continued)		
Forward Air Corp.	636	\$ 31,686
Hub Group, Inc., Class A (A)	749	35,847
United Parcel Service, Inc., Class B	17,894	1,989,455
XPO Logistics, Inc. (A)	1,938	149,711
		<u>3,515,596</u>
Airlines – 0.2%		
Alaska Air Group, Inc. (B)	2,510	91,013
Allegiant Travel Company	324	35,384
American Airlines Group, Inc. (B)	9,162	119,747
Delta Air Lines, Inc.	13,497	378,591
Hawaiian Holdings, Inc.	993	13,942
JetBlue Airways Corp. (A)	6,077	66,239
Mesa Air Group, Inc. (A)	734	2,525
SkyWest, Inc.	1,002	32,685
Southwest Airlines Company	10,995	375,809
Spirit Airlines, Inc. (A)(B)	1,446	25,739
United Airlines Holdings, Inc. (A)(B)	5,285	182,914
		<u>1,324,588</u>
Building products – 0.4%		
A. O. Smith Corp. (B)	3,408	160,585
AAON, Inc. (B)	1,098	59,610
Advanced Drainage Systems, Inc. (B)	1,309	64,665
American Woodmark Corp. (A)	361	27,310
Apogee Enterprises, Inc.	604	13,916
Armstrong Flooring, Inc. (A)	34	102
Armstrong World Industries, Inc.	1,009	78,662
Builders FirstSource, Inc. (A)	2,442	50,549
Carrier Global Corp.	17,979	399,493
Cornerstone Building Brands, Inc. (A)	2,840	17,210
CSW Industrials, Inc.	335	23,152
Fortune Brands Home & Security, Inc.	2,903	185,589
Gibraltar Industries, Inc. (A)	685	32,887
Griffon Corp.	1,054	19,520
Insteel Industries, Inc.	463	8,829
JELD-WEN Holding, Inc. (A)	2,148	34,604
Johnson Controls International PLC	19,266	657,741
Lennox International, Inc. (B)	798	185,926
Masco Corp.	5,915	296,992
Owens Corning	2,266	126,352
Patrick Industries, Inc.	506	30,993
PGT Innovations, Inc. (A)	1,295	20,306
Quanex Building Products Corp.	554	7,690
Resideo Technologies, Inc. (A)	2,645	30,999
Simpson Manufacturing Company, Inc. (B)	929	78,370
Trex Company, Inc. (A)	1,222	158,946
UFP Industries, Inc.	1,297	64,214
		<u>2,835,212</u>
Commercial services and supplies – 0.6%		
ABM Industries, Inc.	1,396	50,675
ACCO Brands Corp.	2,109	14,974
ADT, Inc.	15,587	124,384
Advanced Disposal Services, Inc. (A)	1,905	57,474
Aqua Metals, Inc. (A)	338	473
Brady Corp., Class A	1,122	52,532
BrightView Holdings, Inc. (A)	2,250	25,200
Casella Waste Systems, Inc., Class A (A)	1,031	53,736
CECO Environmental Corp. (A)	931	6,135
Charah Solutions, Inc. (A)	158	502
Cintas Corp.	2,141	570,277
Civeo Corp. (A)	3,042	1,875
Clean Harbors, Inc. (A)	1,183	70,956
Copart, Inc. (A)	4,818	401,195
Covanta Holding Corp.	2,894	27,753
Deluxe Corp.	899	21,162

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
Ennis, Inc.	594	\$ 10,775
Harsco Corp. (A)	1,720	23,237
Healthcare Services Group, Inc.	1,587	38,818
Heritage-Crystal Clean, Inc. (A)	532	9,289
Herman Miller, Inc.	1,134	26,774
HNI Corp.	909	27,788
Hudson Technologies, Inc. (A)	121	122
IAA, Inc. (A)(B)	2,793	107,726
Interface, Inc.	1,246	10,142
KAR Auction Services, Inc.	2,713	37,331
Kimball International, Inc., Class B	828	9,572
Knoll, Inc.	1,051	12,812
Matthews International Corp., Class A	695	13,275
McGrath RentCorp	513	27,707
Mobile Mini, Inc.	943	27,819
MSA Safety, Inc.	810	92,696
NL Industries, Inc.	1,371	4,675
Odyssey Marine Exploration, Inc. (A)	70	327
Perma-Fix Environmental Services, Inc. (A)	49	313
PICO Holdings, Inc. (A)	659	5,555
Pitney Bowes, Inc.	3,630	9,438
Quad/Graphics, Inc.	1,350	4,388
Republic Services, Inc.	6,655	546,043
Rollins, Inc.	6,834	289,693
RR Donnelley & Sons Company	1,850	2,202
SP Plus Corp. (A)	517	10,707
Steelcase, Inc., Class A	2,479	29,897
Stericycle, Inc. (A)	1,924	107,706
Swisher Hygiene, Inc. (A)(C)	450	0
Team, Inc. (A)	728	4,055
Tetra Tech, Inc.	1,153	91,225
The Brink's Company	1,052	47,877
UniFirst Corp.	395	70,685
US Ecology, Inc.	492	16,669
Viad Corp.	446	8,483
VSE Corp.	270	8,475
Waste Management, Inc.	8,848	937,092
		<u>4,150,691</u>
Construction and engineering – 0.2%		
AECOM (A)	3,302	124,089
Aegion Corp. (A)	753	11,950
Ameresco, Inc., Class A (A)	1,046	29,058
Arcosa, Inc.	1,015	42,833
Argan, Inc.	361	17,104
Comfort Systems USA, Inc.	770	31,378
Construction Partners, Inc., Class A (A)	1,162	20,637
Dycom Industries, Inc. (A)	667	27,274
EMCOR Group, Inc.	1,127	74,540
Fluor Corp.	3,029	36,590
Granite Construction, Inc.	1,014	19,408
Great Lakes Dredge & Dock Corp. (A)	1,462	13,538
HC2 Holdings, Inc. (A)	600	2,004
IES Holdings, Inc. (A)	485	11,237
Jacobs Engineering Group, Inc.	2,772	235,066
MasTec, Inc. (A)(B)	1,596	71,613
MYR Group, Inc. (A)	381	12,158
Northwest Pipe Company (A)	252	6,318
Orion Group Holdings, Inc. (A)	985	3,093
Primoris Services Corp.	1,046	18,577
Quanta Services, Inc.	2,960	116,121
Sterling Construction Company, Inc. (A)	650	6,806
Tutor Perini Corp. (A)	1,152	14,031
Valmont Industries, Inc.	454	51,583

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
WillScot Corp. (A)	2,500	\$ 30,725
		1,027,731
Electrical equipment – 0.5%		
Acuity Brands, Inc.	835	79,943
Allied Motion Technologies, Inc.	222	7,837
American Superconductor Corp. (A)	626	5,089
AMETEK, Inc.	4,757	425,133
Atkore International Group, Inc. (A)	995	27,213
AZZ, Inc.	556	19,082
Babcock & Wilcox Enterprises, Inc. (A)	755	1,721
Bloom Energy Corp., Class A (A)(B)	2,529	27,516
Eaton Corp. PLC	8,609	753,115
Emerson Electric Company	12,690	787,161
Encore Wire Corp.	450	21,969
Energous Corp. (A)	275	776
EnerSys	886	57,041
FuelCell Energy, Inc. (A)(B)	3,886	8,782
GrafTech International, Ltd.	5,975	47,681
Hubbell, Inc.	1,122	140,654
LSI Industries, Inc.	53	343
nVent Electric PLC	3,539	66,285
Orion Energy Systems, Inc. (A)	438	1,515
Plug Power, Inc. (A)(B)	6,157	50,549
Powell Industries, Inc.	287	7,861
Preformed Line Products Company	126	6,301
Regal Beloit Corp.	864	75,444
Rockwell Automation, Inc.	2,406	512,478
Sunrun, Inc. (A)	2,507	49,438
Thermon Group Holdings, Inc. (A)	751	10,942
TPI Composites, Inc. (A)	781	18,252
Vicor Corp. (A)(B)	865	62,237
Vivint Solar, Inc. (A)	2,705	26,780
		3,299,138
Industrial conglomerates – 0.9%		
3M Company	11,986	1,869,696
Carlisle Companies, Inc.	1,146	137,142
General Electric Company	182,160	1,244,153
Honeywell International, Inc.	14,885	2,152,222
Icahn Enterprises LP	4,276	207,343
Raven Industries, Inc.	807	17,359
Roper Technologies, Inc.	2,167	841,359
		6,469,274
Machinery – 1.6%		
AGCO Corp.	1,596	88,514
Alamo Group, Inc.	239	24,531
Albany International Corp., Class A	680	39,923
Allison Transmission Holdings, Inc.	2,485	91,398
Altra Industrial Motion Corp.	1,367	43,553
Astec Industries, Inc.	516	23,896
Barnes Group, Inc.	1,066	42,171
Briggs & Stratton Corp. (B)	970	1,271
Caterpillar, Inc.	11,527	1,458,166
Chart Industries, Inc. (A)	759	36,804
CIRCOR International, Inc. (A)	461	11,746
Colfax Corp. (A)(B)	2,476	69,080
Columbus McKinnon Corp.	532	17,795
Commercial Vehicle Group, Inc. (A)	856	2,474
Crane Company	1,253	74,503
Cummins, Inc.	3,190	552,699
Deere & Company	6,569	1,032,318
Donaldson Company, Inc.	2,645	123,045
Douglas Dynamics, Inc.	435	15,277
Dover Corp.	3,020	291,611
Energy Recovery, Inc. (A)	1,268	9,630

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Enerpac Tool Group Corp.	1,293	\$ 22,757
EnPro Industries, Inc.	467	23,018
ESCO Technologies, Inc.	542	45,815
Evoqua Water Technologies Corp. (A)	2,421	45,031
Federal Signal Corp.	1,279	38,025
Flowserve Corp.	2,742	78,202
Fortive Corp.	6,996	473,349
Franklin Electric Company, Inc.	987	51,837
Gates Industrial Corp. PLC (A)	6,148	63,201
Gencor Industries, Inc. (A)	428	5,410
Graco, Inc.	3,387	162,542
Graham Corp.	310	3,949
Helios Technologies, Inc.	706	26,299
Hillenbrand, Inc.	1,583	42,852
Hurco Companies, Inc.	183	5,119
Hyster-Yale Materials Handling, Inc.	296	11,443
IDEX Corp.	1,569	247,965
Illinois Tool Works, Inc.	6,688	1,169,397
Ingersoll Rand, Inc. (A)	4,302	120,972
ITT, Inc.	1,833	107,670
John Bean Technologies Corp. (B)	667	57,375
Kadant, Inc.	213	21,228
Kennametal, Inc.	1,782	51,161
LB Foster Company, Class A (A)	298	3,805
Lincoln Electric Holdings, Inc.	1,278	107,659
Lindsay Corp.	240	22,130
Lydall, Inc. (A)	434	5,885
Mayville Engineering Company, Inc. (A)	522	4,124
Meritor, Inc. (A)	1,632	32,314
Miller Industries, Inc.	293	8,723
Mueller Industries, Inc.	1,297	34,474
Mueller Water Products, Inc., Class A	3,339	31,487
Navistar International Corp. (A)	2,092	58,994
NN, Inc.	766	3,631
Nordson Corp.	1,180	223,858
Omega Flex, Inc.	223	23,593
Oshkosh Corp.	1,434	102,703
Otis Worldwide Corp.	8,989	511,115
PACCAR, Inc.	7,208	539,519
Parker-Hannifin Corp.	2,676	490,431
Park-Ohio Holdings Corp.	316	5,242
Proto Labs, Inc. (A)(B)	565	63,546
RBC Bearings, Inc. (A)(B)	524	70,237
REV Group, Inc.	1,210	7,381
Rexnord Corp.	2,363	68,881
Snap-on, Inc.	1,094	151,530
SPX Corp. (A)	948	39,010
SPX FLOW, Inc. (A)	923	34,557
Standex International Corp.	280	16,114
Stanley Black & Decker, Inc.	3,164	440,998
Tennant Company	380	24,704
Terex Corp.	1,554	29,169
The Eastern Company	202	3,610
The ExOne Company (A)	89	761
The Gorman-Rupp Company	603	18,741
The Greenbrier Companies, Inc.	586	13,332
The Manitowoc Company, Inc. (A)	864	9,400
The Middleby Corp. (A)(B)	1,172	92,518
The Shyft Group, Inc.	809	13,624
The Timken Company	1,583	72,011
The Toro Company	2,191	145,351
Titan International, Inc.	1,677	2,448
TriMas Corp. (A)	1,035	24,788
Trinity Industries, Inc. (B)	2,605	55,460
Twin Disc, Inc. (A)	354	1,961

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Wabash National Corp.	1,110	\$ 11,788
Wabtec Corp.	4,004	230,510
Watts Water Technologies, Inc., Class A (B)	714	57,834
Welbilt, Inc. (A)	2,974	18,112
Woodward, Inc.	1,298	100,660
Xylem, Inc.	3,751	243,665
		11,197,410
Marine – 0.0%		
Eagle Bulk Shipping, Inc. (A)(B)	1,931	4,229
Kirby Corp. (A)	1,269	67,968
Matson, Inc.	933	27,150
		99,347
Professional services – 0.4%		
Acacia Research Corp. (A)	1,686	6,896
ASGN, Inc. (A)	1,106	73,748
Barrett Business Services, Inc.	173	9,191
CBIZ, Inc. (A)	1,144	27,422
CoreLogic, Inc.	1,659	111,518
CoStar Group, Inc. (A)	763	542,241
CRA International, Inc.	188	7,426
Equifax, Inc.	2,524	433,825
Exponent, Inc.	1,082	87,566
Forrester Research, Inc. (A)	420	13,457
Franklin Covey Company (A)	341	7,297
FTI Consulting, Inc. (A)	782	89,578
Heidrick & Struggles International, Inc.	459	9,924
Huron Consulting Group, Inc. (A)	481	21,284
ICF International, Inc.	392	25,413
InnerWorkings, Inc. (A)	1,440	1,901
Insperty, Inc.	843	54,567
Kelly Services, Inc., Class A	813	12,858
Kforce, Inc.	509	14,888
Korn Ferry	1,163	35,739
ManpowerGroup, Inc.	1,229	84,494
Mastech Digital, Inc. (A)	89	2,308
Mistras Group, Inc. (A)	754	2,978
Red Violet, Inc. (A)	140	2,470
Rekor Systems, Inc. (A)	270	1,080
Resources Connection, Inc.	781	9,349
Robert Half International, Inc.	2,452	129,539
TransUnion	3,927	341,806
TriNet Group, Inc. (A)(B)	1,465	89,277
TrueBlue, Inc. (A)	816	12,460
Upwork, Inc. (A)	2,419	34,930
Verisk Analytics, Inc.	3,416	581,403
Willdan Group, Inc. (A)	264	6,603
		2,885,436
Road and rail – 1.1%		
AMERCO	390	117,854
ArcBest Corp.	604	16,012
Avis Budget Group, Inc. (A)	1,553	35,548
Covenant Transportation Group, Inc., Class A (A)	501	7,229
CSX Corp.	1,131	1,131,183
Daseke, Inc. (A)	1,184	4,653
Heartland Express, Inc.	1,853	38,579
Hertz Global Holdings, Inc. (A)(B)	3,014	4,250
HyreCar, Inc. (A)	175	513
J.B. Hunt Transport Services, Inc.	2,186	263,063
Kansas City Southern	2,068	308,732
Knight-Swift Transportation Holdings, Inc. (B)	3,604	150,323
Landstar System, Inc.	714	80,189

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Road and rail (continued)		
Lyft, Inc., Class A (A)(B)	6,240	\$ 205,982
Marten Transport, Ltd.	1,111	27,953
Norfolk Southern Corp.	5,438	954,750
Old Dominion Freight Line, Inc.	2,446	414,817
P.A.M. Transportation Services, Inc. (A)	163	5,012
Roadrunner Transportation Systems, Inc. (A)	897	2,072
Ryder System, Inc.	1,136	42,611
Saia, Inc. (A)	560	62,261
Schneider National, Inc., Class B	3,821	94,264
Uber Technologies, Inc. (A)	35,600	1,106,448
Union Pacific Corp.	14,468	2,446,105
Universal Logistics Holdings, Inc.	647	11,245
Werner Enterprises, Inc.	1,462	63,641
YRC Worldwide, Inc. (A)(B)	513	949
		7,596,238
Trading companies and distributors – 0.3%		
Air Lease Corp. (B)	2,357	69,037
Applied Industrial Technologies, Inc.	808	50,411
Beacon Roofing Supply, Inc. (A)	1,448	38,184
BlueLinx Holdings, Inc. (A)	138	1,183
BMC Stock Holdings, Inc. (A)	1,408	35,397
CAI International, Inc. (A)	399	6,647
DXP Enterprises, Inc. (A)	424	8,442
EVI Industries, Inc. (A)(B)	281	6,101
Fastenal Company	11,962	512,452
Fortress Transportation & Infrastructure Investors LLC	1,753	22,771
Foundation Building Materials, Inc. (A)	982	15,329
GATX Corp.	734	44,759
GMS, Inc. (A)	892	21,934
H&E Equipment Services, Inc.	706	13,047
HD Supply Holdings, Inc. (A)	3,459	119,854
Herc Holdings, Inc. (A)	600	18,438
Kaman Corp.	587	24,419
Lawson Products, Inc. (A)	105	3,387
MRC Global, Inc. (A)	1,913	11,306
MSC Industrial Direct Company, Inc., Class A	1,142	83,149
NOW, Inc. (A)	2,361	20,375
Rush Enterprises, Inc., Class A	785	32,546
SiteOne Landscape Supply, Inc. (A)	878	100,066
Systemax, Inc.	859	17,644
Textainer Group Holdings, Ltd. (A)	1,307	10,691
Titan Machinery, Inc. (A)	554	6,016
United Rentals, Inc. (A)	1,569	233,844
Univar Solutions, Inc. (A)	3,580	60,359
Veritiv Corp. (A)	416	7,055
W.W. Grainger, Inc.	1,121	352,173
Watsco, Inc.	784	139,317
WESCO International, Inc. (A)(B)	1,056	37,066
Willis Lease Finance Corp. (A)	124	3,011
		2,126,410
		57,862,000
Information technology – 26.0%		
Communications equipment – 0.9%		
Acacia Communications, Inc. (A)(B)	864	58,052
ADTRAN, Inc.	1,229	13,433
Applied Optoelectronics, Inc. (A)(B)	524	5,696
Arista Networks, Inc. (A)	1,595	334,998
CalAmp Corp. (A)	820	6,568
Calix, Inc. (A)	1,308	19,489
Cambium Networks Corp. (A)	638	4,696
Casa Systems, Inc. (A)	2,022	8,412

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Communications equipment (continued)		
Ciena Corp. (A)	3,228	\$ 174,828
Cisco Systems, Inc.	88,417	4,123,769
Clearfield, Inc. (A)	398	5,556
CommScope Holding Company, Inc. (A)	4,134	34,436
Comtech Telecommunications Corp.	548	9,256
DASAN Zhong Solutions, Inc. (A)	566	5,054
Digi International, Inc. (A)	683	7,957
EchoStar Corp., Class A (A)	2,059	57,570
Extreme Networks, Inc. (A)	2,767	12,009
F5 Networks, Inc. (A)	1,266	176,582
Harmonic, Inc. (A)	2,084	9,899
Infinera Corp. (A)	3,517	20,821
Inseego Corp. (A)(B)	1,798	20,857
InterDigital, Inc.	665	37,659
Juniper Networks, Inc.	6,983	159,631
KVH Industries, Inc. (A)	504	4,501
Lumentum Holdings, Inc. (A)	1,617	131,672
Motorola Solutions, Inc.	3,551	497,602
NETGEAR, Inc. (A)	654	16,932
NetScout Systems, Inc. (A)	1,586	40,538
Plantronics, Inc.	893	13,109
Powerwave Technologies, Inc. (A)(C)	912	0
Resonant, Inc. (A)	781	1,820
Ribbon Communications, Inc. (A)	2,627	10,324
Ubiquiti, Inc. (B)	1,355	236,529
ViaSat, Inc. (A)	1,289	49,459
Viavi Solutions, Inc. (A)	4,848	61,764
		6,371,478
Electronic equipment, instruments and components – 0.7%		
Akoustis Technologies, Inc. (A)(B)	872	7,229
Amphenol Corp., Class A	6,174	591,531
Arlo Technologies, Inc. (A)	1,497	3,862
Arrow Electronics, Inc. (A)	1,699	116,704
Avnet, Inc.	2,129	59,367
Badger Meter, Inc.	609	38,318
Bel Fuse, Inc., Class B	346	3,713
Belden, Inc.	915	29,783
Benchmark Electronics, Inc.	800	17,280
CDW Corp.	2,997	348,191
Cognex Corp.	3,577	213,618
Coherent, Inc. (A)	509	66,669
Corning, Inc.	16,061	415,980
CTS Corp.	670	13,427
Daktronics, Inc.	1,227	5,337
Dolby Laboratories, Inc., Class A	2,087	137,471
ePlus, Inc. (A)	286	20,214
FARO Technologies, Inc. (A)	391	20,958
Fitbit, Inc., Class A (A)	5,587	36,092
FLIR Systems, Inc.	2,804	113,758
II-VI, Inc. (A)	1,909	90,143
Insight Enterprises, Inc. (A)	738	36,310
Intellicheck, Inc. (A)	162	1,223
IPG Photonics Corp. (A)	1,111	178,193
Iteris, Inc. (A)	1,032	4,907
Itron, Inc. (A)	841	55,716
Jabil, Inc.	3,188	102,271
Keysight Technologies, Inc. (A)	3,913	394,352
Kimball Electronics, Inc. (A)	601	8,138
Knowles Corp. (A)	1,955	29,833
Littelfuse, Inc.	508	86,680
Luna Innovations, Inc. (A)	135	788
Methode Electronics, Inc.	804	25,133
MicroVision, Inc. (A)	664	903
MTS Systems Corp.	425	7,476
Napco Security Technologies, Inc. (A)	429	10,034

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
National Instruments Corp.	2,741	\$ 106,104
Netlist, Inc. (A)	2,025	1,154
nLight, Inc. (A)	848	18,876
Novanta, Inc. (A)(B)	739	78,903
OSI Systems, Inc. (A)	385	28,736
PAR Technology Corp. (A)	370	11,074
PC Connection, Inc.	517	23,968
Plexus Corp. (A)	612	43,183
Powerfleet, Inc. (A)	111	513
Research Frontiers, Inc. (A)	131	532
Rogers Corp. (A)	393	48,968
Sanmina Corp. (A)	1,469	36,784
ScanSource, Inc. (A)	542	13,057
SYNNEX Corp.	1,067	127,795
Tech Data Corp. (A)(B)	739	107,081
Trimble, Inc. (A)	5,203	224,718
TTM Technologies, Inc. (A)	2,254	26,732
Vishay Intertechnology, Inc.	3,039	46,406
Vishay Precision Group, Inc. (A)	306	7,521
Zebra Technologies Corp., Class A (A)	1,129	288,968
		4,532,675
IT services – 5.1%		
Akamai Technologies, Inc. (A)	3,364	360,251
Alliance Data Systems Corp.	959	43,270
Automatic Data Processing, Inc.	9,009	1,341,350
Black Knight, Inc. (A)	3,121	226,460
Booz Allen Hamilton Holding Corp. (B)	2,924	227,458
Brightcove, Inc. (A)	983	7,746
Broadridge Financial Solutions, Inc.	2,388	301,342
CACI International, Inc., Class A (A)	523	113,428
Cardtronics PLC, Class A (A)	953	22,853
Cass Information Systems, Inc.	256	9,992
Cognizant Technology Solutions Corp., Class A	11,410	648,316
Conduent, Inc. (A)	4,621	11,044
CSG Systems International, Inc.	691	28,600
DXC Technology Company	5,359	88,424
Endurance International Group Holdings, Inc. (A)	3,270	13,178
EPAM Systems, Inc. (A)	1,146	288,803
Euronet Worldwide, Inc. (A)	1,131	108,372
Evo Payments, Inc., Class A (A)	1,768	40,363
Exela Technologies, Inc. (A)	439	243
ExlService Holdings, Inc. (A)	712	45,141
Fastly, Inc., Class A (A)(B)	1,995	169,834
Fidelity National Information Services, Inc.	12,803	1,716,754
Fiserv, Inc. (A)	14,164	1,382,690
FleetCor Technologies, Inc. (A)	1,808	454,766
Gartner, Inc. (A)	1,864	226,159
Genpact, Ltd.	3,996	145,934
Global Payments, Inc.	6,268	1,063,178
GoDaddy, Inc., Class A (A)	3,593	263,475
GreenSky, Inc., Class A (A)	3,876	18,992
I3 Verticals, Inc., Class A (A)	606	18,332
IBM Corp.	18,449	2,228,086
Information Services Group, Inc. (A)	1,409	2,917
Jack Henry & Associates, Inc.	1,600	294,448
KBR, Inc.	2,986	67,334
Leidos Holdings, Inc.	2,952	276,514
Limelight Networks, Inc. (A)	2,664	19,607
LiveRamp Holdings, Inc. (A)	1,431	60,775
ManTech International Corp., Class A	840	57,532
Mastercard, Inc., Class A	21,028	6,217,980
MAXIMUS, Inc.	1,327	93,487

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
MoneyGram International, Inc. (A)	1,519	\$ 4,876
MongoDB, Inc. (A)(B)	1,175	265,950
NIC, Inc.	1,395	32,029
Okta, Inc. (A)	2,436	487,760
Paychex, Inc.	7,449	564,262
PayPal Holdings, Inc. (A)	24,473	4,263,931
Paysign, Inc. (A)(B)	1,105	10,730
Perficient, Inc. (A)	713	25,511
Perspecta, Inc.	3,393	78,819
PRGX Global, Inc. (A)	47	221
Sabre Corp.	5,716	46,071
Science Applications International Corp.	1,206	93,682
ServiceSource International, Inc. (A)	2,601	4,110
Square, Inc., Class A (A)	8,963	940,577
StarTek, Inc. (A)	653	3,317
Switch, Inc., Class A	5,110	91,060
Sykes Enterprises, Inc. (A)	904	25,005
The Hackett Group, Inc.	696	9,424
The Western Union Company (B)	8,741	188,980
TTEC Holdings, Inc.	986	45,908
Twilio, Inc., Class A (A)	2,862	627,980
Unisys Corp. (A)	1,343	14,652
VeriSign, Inc. (A)	2,442	505,079
Verra Mobility Corp. (A)	3,363	34,572
Virtusa Corp. (A)	634	20,586
Visa, Inc., Class A	41,048	7,929,242
WEX, Inc. (A)	903	149,004
		35,168,766
Semiconductors and semiconductor equipment – 4.2%		
ACM Research, Inc., Class A (A)	406	25,318
Advanced Energy Industries, Inc. (A)	809	54,842
Advanced Micro Devices, Inc. (A)	23,222	1,221,709
Alpha & Omega Semiconductor, Ltd. (A)	622	6,767
Ambarella, Inc. (A)	706	32,335
Amkor Technology, Inc. (A)(B)	5,075	62,473
Analog Devices, Inc.	7,674	941,139
Applied Materials, Inc.	19,261	1,164,327
Atomera, Inc. (A)	385	3,465
Axcelis Technologies, Inc. (A)	734	20,442
AXT, Inc. (A)	135	643
Broadcom, Inc.	8,266	2,608,832
Brooks Automation, Inc.	1,532	67,776
Cabot Microelectronics Corp.	612	85,398
CEVA, Inc. (A)	512	19,159
Cirrus Logic, Inc. (A)	1,209	74,692
Cohu, Inc.	925	16,040
Cree, Inc. (A)(B)	2,258	133,651
CyberOptics Corp. (A)	12	387
Diodes, Inc. (A)	1,072	54,350
DSP Group, Inc. (A)	596	9,464
Enphase Energy, Inc. (A)	2,514	119,591
Entegris, Inc. (B)	2,799	165,281
Everspin Technologies, Inc. (A)	103	723
First Solar, Inc. (A)(B)	2,209	109,346
FormFactor, Inc. (A)	1,518	44,523
GSI Technology, Inc. (A)	205	1,472
Ichor Holdings, Ltd. (A)	384	10,207
Impinj, Inc. (A)	486	13,350
Inphi Corp. (A)	960	112,800
Intel Corp.	90,661	5,424,248
KLA Corp.	3,289	639,645
Kulicke & Soffa Industries, Inc.	1,405	29,266
Lam Research Corp.	3,023	977,820
Lattice Semiconductor Corp. (A)	2,843	80,713

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
MACOM Technology Solutions Holdings, Inc. (A)	1,335	\$ 45,857
Marvell Technology Group, Ltd.	14,013	491,296
Maxim Integrated Products, Inc.	5,628	341,113
MaxLinear, Inc. (A)	1,515	32,512
Microchip Technology, Inc.	4,982	524,654
Micron Technology, Inc. (A)	23,106	1,190,421
MKS Instruments, Inc.	1,142	129,320
Monolithic Power Systems, Inc.	906	214,722
NeoPhotonics Corp. (A)	1,119	9,937
NVE Corp.	120	7,420
NVIDIA Corp.	12,757	4,846,512
ON Semiconductor Corp. (A)	8,589	170,234
Onto Innovation, Inc. (A)	982	33,427
PDF Solutions, Inc. (A)	745	14,572
Photronics, Inc. (A)	1,478	16,450
Pixelworks, Inc. (A)	1,060	3,424
Power Integrations, Inc.	616	72,768
Qorvo, Inc. (A)	2,425	268,035
QUALCOMM, Inc.	23,805	2,171,254
Rambus, Inc. (A)	2,420	36,784
Rubicon Technology, Inc. (A)	161	1,291
Semtech Corp. (A)	1,393	72,742
Silicon Laboratories, Inc. (A)	910	91,246
SiTime Corp. (A)	232	10,999
Skyworks Solutions, Inc.	3,552	454,159
SMART Global Holdings, Inc. (A)	535	14,541
SunPower Corp. (A)	3,285	25,163
Synaptics, Inc. (A)	681	40,942
Teradyne, Inc.	3,501	295,870
Texas Instruments, Inc.	19,475	2,472,741
Ultra Clean Holdings, Inc. (A)	883	19,982
Universal Display Corp.	985	147,376
Veeco Instruments, Inc. (A)	1,119	15,095
Xilinx, Inc.	5,244	515,957
		29,131,010
Software – 9.8%		
2U, Inc. (A)	1,345	51,056
8x8, Inc. (A)	2,122	33,952
A10 Networks, Inc. (A)	1,809	12,319
ACI Worldwide, Inc. (A)	2,427	65,505
Adobe, Inc. (A)	10,087	4,390,972
Agilysys, Inc. (A)	564	10,118
Alarm.com Holdings, Inc. (A)	1,025	66,430
Altair Engineering, Inc., Class A (A)(B)	1,540	61,215
Alteryx, Inc., Class A (A)(B)	1,359	223,257
American Software, Inc., Class A	679	10,701
Anaplan, Inc. (A)	2,761	125,101
ANSYS, Inc. (A)	1,783	520,155
Appfolio, Inc., Class A (A)	718	116,826
Appian Corp. (A)(B)	1,411	72,314
Aspen Technology, Inc. (A)	1,425	147,644
Autodesk, Inc. (A)	4,587	1,097,165
Avalara, Inc. (A)	1,613	214,674
Avaya Holdings Corp. (A)	2,155	26,636
Benefitfocus, Inc. (A)	722	7,769
Bill.Com Holdings, Inc. (A)	1,427	128,730
Blackbaud, Inc.	1,029	58,735
Blackline, Inc. (A)	1,170	97,005
Bottomline Technologies DE, Inc. (A)	930	47,216
Box, Inc., Class A (A)	3,163	65,664
Cadence Design Systems, Inc. (A)	5,848	561,174
CDK Global, Inc.	2,527	104,668
Cerence, Inc. (A)	788	32,182
Ceridian HCM Holding, Inc. (A)	3,010	238,603

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
ChannelAdvisor Corp. (A)	697	\$ 11,040
Citrix Systems, Inc.	2,709	400,688
Cloudera, Inc. (A)(B)	5,998	76,295
Cloudflare, Inc., Class A (A)(B)	6,057	217,749
CommVault Systems, Inc. (A)	969	37,500
Cornerstone OnDemand, Inc. (A)	1,274	49,125
Coupa Software, Inc. (A)	1,333	369,294
CrowdStrike Holdings, Inc., Class A (A)	4,295	430,746
Datadog, Inc., Class A (A)(B)	6,166	536,134
Digimarc Corp. (A)	294	4,701
DocuSign, Inc. (A)	3,744	644,754
Domo, Inc., Class B (A)	622	20,010
Dropbox, Inc., Class A (A)	8,678	188,920
Dynatrace, Inc. (A)	5,749	233,409
Ebix, Inc.	651	14,556
eGain Corp. (A)	755	8,388
Envestnet, Inc. (A)	1,101	80,968
Everbridge, Inc. (A)(B)	708	97,959
Fair Isaac Corp. (A)	603	252,078
FireEye, Inc. (A)(B)	4,573	55,676
Five9, Inc. (A)	1,276	141,215
ForeScout Technologies, Inc. (A)	1,008	21,370
Fortinet, Inc. (A)	3,570	490,054
GlobalSCAPE, Inc.	457	4,456
Guidewire Software, Inc. (A)	1,721	190,773
HubSpot, Inc. (A)	893	200,345
Intelligent Systems Corp. (A)	199	6,782
Intuit, Inc.	5,422	1,605,942
j2 Global, Inc. (A)	989	62,515
LivePerson, Inc. (A)(B)	1,406	58,251
LogMeIn, Inc.	1,019	86,381
Manhattan Associates, Inc. (A)	1,337	125,945
Medallia, Inc. (A)(B)	2,506	63,251
Microsoft Corp.	158,996	32,357,276
MicroStrategy, Inc., Class A (A)	221	26,142
Mitek Systems, Inc. (A)	911	8,755
MobileIron, Inc. (A)	2,654	13,084
Model N, Inc. (A)	719	24,992
New Relic, Inc. (A)	1,234	85,023
NortonLifeLock, Inc.	13,051	258,801
Nuance Communications, Inc. (A)	5,919	149,780
Nutanix, Inc., Class A (A)	3,956	93,777
OneSpan, Inc. (A)	910	25,416
Oracle Corp.	68,391	3,779,971
PagerDuty, Inc. (A)	1,640	46,937
Palo Alto Networks, Inc. (A)(B)	2,041	468,756
Pareteum Corp. (A)	1,711	1,061
Paycom Software, Inc. (A)	1,218	377,251
Paylocity Holding Corp. (A)	1,121	163,543
Pegasystems, Inc.	1,661	168,043
Ping Identity Holding Corp. (A)(B)	1,506	48,328
Pluralsight, Inc., Class A (A)(B)	2,973	53,663
Progress Software Corp.	952	36,890
Proofpoint, Inc. (A)(B)	1,180	131,122
PROS Holdings, Inc. (A)	881	39,143
PTC, Inc. (A)	2,421	188,330
Q2 Holdings, Inc. (A)	1,009	86,562
Qualys, Inc. (A)(B)	812	84,464
Rapid7, Inc. (A)	1,045	53,316
RealPage, Inc. (A)(B)	1,984	128,980
Rimini Street, Inc. (A)	1,519	7,823
RingCentral, Inc., Class A (A)	1,564	445,756
Riot Blockchain, Inc. (A)	133	295
Rosetta Stone, Inc. (A)	455	7,671
SailPoint Technologies Holdings, Inc. (A)	1,899	50,267

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
salesforce.com, Inc. (A)	18,487	\$ 3,463,170
Seachange International, Inc. (A)	312	471
SecureWorks Corp., Class A (A)	1,619	18,505
ServiceNow, Inc. (A)	3,931	1,592,291
SharpSpring, Inc. (A)	74	650
ShotSpotter, Inc. (A)	262	6,602
Slack Technologies, Inc., Class A (A)(B)	11,350	352,872
Smartsheet, Inc., Class A (A)	2,404	122,412
Smith Micro Software, Inc. (A)	408	1,820
SolarWinds Corp. (A)(B)	6,524	115,279
Splunk, Inc. (A)	3,253	646,371
Sprout Social, Inc., Class A (A)	881	23,787
SPS Commerce, Inc. (A)	728	54,687
SS&C Technologies Holdings, Inc.	5,271	297,706
SVMK, Inc. (A)	2,843	66,924
Synchronoss Technologies, Inc. (A)	1,177	4,155
Synopsys, Inc. (A)	3,131	610,545
Telenav, Inc. (A)	1,183	6,495
Tenable Holdings, Inc. (A)	2,078	61,945
Teradata Corp. (A)	2,393	49,774
The Trade Desk, Inc., Class A (A)(B)	942	382,923
Tyler Technologies, Inc. (A)	811	281,320
Upland Software, Inc. (A)	553	19,222
Varonis Systems, Inc. (A)(B)	646	57,158
Verint Systems, Inc. (A)(B)	1,399	63,207
Veritone, Inc. (A)	355	5,275
VirmetX Holding Corp.	1,593	10,355
VMware, Inc., Class A (A)(B)	8,516	1,318,788
Workday, Inc., Class A (A)	4,796	898,579
Workiva, Inc. (A)	982	52,527
Xperi Holding Corp.	2,308	34,066
Yext, Inc. (A)	2,432	40,396
Zendesk, Inc. (A)	2,343	207,426
Zix Corp. (A)	1,285	8,867
Zoom Video Communications, Inc., Class A (A)	5,706	1,446,699
Zscaler, Inc. (A)(B)	2,677	293,132
Zuora, Inc., Class A (A)	2,388	30,447
		67,433,122
Technology hardware, storage and peripherals – 5.3%		
3D Systems Corp. (A)	2,572	17,978
Apple, Inc.	92,613	33,785,173
AstroNova, Inc.	233	1,855
Avid Technology, Inc. (A)	1,003	7,292
Dell Technologies, Inc., Class C (A)	15,102	829,704
Diebold Nixdorf, Inc. (A)	1,715	10,393
Eastman Kodak Company (A)	667	1,487
Hewlett Packard Enterprise Company	27,021	262,914
HP, Inc.	30,899	538,570
Immersion Corp. (A)	809	5,040
Intevac, Inc. (A)	745	4,068
NCR Corp. (A)	2,675	46,331
NetApp, Inc.	4,771	211,689
Pure Storage, Inc., Class A (A)	5,381	93,253
Western Digital Corp.	6,210	274,172
Xerox Holdings Corp.	4,522	69,141
		36,159,060
		178,796,111
Materials – 2.2%		
Chemicals – 1.3%		
Advanced Emissions Solutions, Inc.	7	34
AdvanSix, Inc. (A)	524	6,152
Air Products & Chemicals, Inc.	4,592	1,108,784
Albemarle Corp. (B)	2,218	171,252

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
American Vanguard Corp.	728	\$ 10,017
Amyris, Inc. (A)(B)	2,008	8,574
Ashland Global Holdings, Inc.	1,269	87,688
Axalta Coating Systems, Ltd. (A)	4,916	110,856
Balchem Corp.	681	64,600
Cabot Corp.	1,218	45,127
Celanese Corp.	2,524	217,922
CF Industries Holdings, Inc.	4,552	128,093
Chase Corp.	194	19,885
Ciner Resources LP	434	5,534
Corteva, Inc.	15,630	418,728
CVR Nitrogen LP (A)(C)	1,086	195
Dow, Inc.	15,484	631,128
DuPont de Nemours, Inc.	15,459	821,337
Eastman Chemical Company	2,842	197,917
Ecolab, Inc.	6,006	1,194,894
Ferro Corp. (A)	1,770	21,134
Flotek Industries, Inc. (A)	796	955
FMC Corp.	2,710	269,970
FutureFuel Corp.	1,090	13,026
GCP Applied Technologies, Inc. (A)	1,572	29,208
Hawkins, Inc.	266	11,326
HB Fuller Company	1,076	47,990
Huntsman Corp.	4,750	85,358
Ingevity Corp. (A)	884	46,472
Innospec, Inc.	517	39,938
International Flavors & Fragrances, Inc. (B)	2,226	272,596
Intrepid Potash, Inc. (A)	3,457	3,422
Koppers Holdings, Inc. (A)	482	9,081
Kraton Corp. (A)	660	11,405
Kronos Worldwide, Inc.	2,526	26,296
Livent Corp. (A)	3,162	19,478
LSB Industries, Inc. (A)	308	357
Marrone Bio Innovations, Inc. (A)	3,996	4,675
Minerals Technologies, Inc.	783	36,746
NewMarket Corp.	224	89,708
Olin Corp.	3,408	39,158
PolyOne Corp.	1,723	45,194
PPG Industries, Inc.	4,929	522,770
PQ Group Holdings, Inc. (A)	2,904	38,449
Quaker Chemical Corp. (B)	313	58,108
Rayonier Advanced Materials, Inc.	1,194	3,355
RPM International, Inc.	2,710	203,413
Sensient Technologies Corp.	887	46,266
Stepan Company	476	46,220
The Chemours Company	3,379	51,868
The Mosaic Company	7,960	99,580
The Scotts Miracle-Gro Company	1,167	156,926
The Sherwin-Williams Company	1,923	1,111,206
Trecora Resources (A)	757	4,746
Tredegar Corp.	832	12,813
Trinseo SA	852	18,880
Valhi, Inc.	660	6,917
Valvoline, Inc.	3,938	76,122
W.R. Grace & Company	1,393	70,778
Westlake Chemical Corp. (B)	2,693	144,479
Westlake Chemical Partners LP	799	15,133
		9,060,239
Construction materials – 0.1%		
Eagle Materials, Inc.	865	60,740
Forterra, Inc. (A)	1,414	15,780
Martin Marietta Materials, Inc.	1,300	268,541
Summit Materials, Inc., Class A (A)	2,396	38,528
U.S. Concrete, Inc. (A)	374	9,275

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction materials (continued)		
United States Lime & Minerals, Inc.	134	\$ 11,315
Vulcan Materials Company	2,752	318,819
		722,998
Containers and packaging – 0.3%		
AptarGroup, Inc.	1,305	146,134
Avery Dennison Corp.	1,742	198,745
Ball Corp.	6,890	478,786
Berry Global Group, Inc. (A)	2,763	122,456
Crown Holdings, Inc. (A)	2,887	188,030
Graphic Packaging Holding Company	6,094	85,255
Greif, Inc., Class A	1,049	36,096
International Paper Company	8,191	288,405
Myers Industries, Inc.	844	12,280
O-I Glass, Inc.	3,338	29,975
Packaging Corp. of America	1,979	197,504
Sealed Air Corp.	3,234	106,237
Silgan Holdings, Inc.	2,253	72,975
Sonoco Products Company	2,017	105,469
UFP Technologies, Inc. (A)	81	3,569
Westrock Company	5,408	152,830
		2,224,746
Metals and mining – 0.5%		
Alcoa Corp. (A)	4,059	45,623
Allegheny Technologies, Inc. (A)	2,687	27,381
Arconic Corp. (A)	2,276	31,705
Carpenter Technology Corp.	1,071	26,004
Century Aluminum Company (A)	2,194	15,643
Cleveland-Cliffs, Inc. (B)	8,361	46,153
Coeur Mining, Inc. (A)	5,000	25,400
Commercial Metals Company	2,612	53,285
Compass Minerals International, Inc.	766	37,343
Contura Energy, Inc. (A)	390	1,186
Freeport-McMoRan, Inc.	30,513	353,035
Friedman Industries, Inc.	13	66
General Moly, Inc. (A)	4,421	888
Haynes International, Inc.	334	7,802
Hecla Mining Company	10,978	35,898
Kaiser Aluminum Corp.	367	27,019
Materion Corp.	423	26,010
Newmont Corp.	17,170	1,060,076
Nucor Corp.	6,446	266,929
Olympic Steel, Inc.	344	4,042
Ramaco Resources, Inc. (A)	924	1,977
Rare Element Resources, Ltd. (A)	2,635	2,319
Reliance Steel & Aluminum Company	1,427	135,465
Royal Gold, Inc.	1,406	174,794
Ryerson Holding Corp. (A)	938	5,281
Schnitzer Steel Industries, Inc., Class A	654	11,537
Silver Bull Resources, Inc. (A)	13,052	914
Solitario Zinc Corp. (A)	2,505	789
Southern Copper Corp. (B)	16,320	649,046
Steel Dynamics, Inc.	4,698	122,571
SunCoke Energy, Inc.	2,119	6,272
TimkenSteel Corp. (A)	1,209	4,703
United States Steel Corp. (B)	3,560	25,703
Universal Stainless & Alloy Products, Inc. (A)	144	1,238
Warrior Met Coal, Inc.	968	14,898
Worthington Industries, Inc.	1,259	46,961
		3,295,956
Paper and forest products – 0.0%		
Boise Cascade Company	849	31,931
Clearwater Paper Corp. (A)	390	14,091
Louisiana-Pacific Corp.	2,491	63,894

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Paper and forest products (continued)		
Neenah, Inc.	345	\$ 17,064
P.H. Glatfelter Company	999	16,034
Schweitzer-Mauduit International, Inc.	627	20,948
Verso Corp., Class A	768	9,185
		173,147
		15,477,086
Real estate – 3.3%		
Equity real estate investment trusts – 3.2%		
Acadia Realty Trust	1,860	24,143
Agree Realty Corp.	883	58,022
Alexander & Baldwin, Inc.	1,588	19,358
Alexander's, Inc.	108	26,017
Alexandria Real Estate Equities, Inc.	2,408	390,698
American Assets Trust, Inc.	1,271	35,385
American Campus Communities, Inc.	2,883	100,790
American Finance Trust, Inc.	2,393	18,988
American Homes 4 Rent, Class A	6,327	170,196
American Tower Corp.	9,231	2,386,583
Americold Realty Trust	4,031	146,325
Apartment Investment & Management Company, A Shares	3,132	117,888
Apple Hospitality REIT, Inc.	4,752	45,904
Armada Hoffler Properties, Inc.	1,229	12,229
Ashford Hospitality Trust, Inc.	2,875	2,077
AvalonBay Communities, Inc.	2,906	449,384
Bluerock Residential Growth REIT, Inc.	731	5,906
Boston Properties, Inc.	3,224	291,385
Braemar Hotels & Resorts, Inc.	978	2,797
Brandywine Realty Trust	3,857	42,003
Brixmor Property Group, Inc.	6,250	80,125
BRT Apartments Corp.	385	4,166
Camden Property Trust	1,982	180,798
CareTrust REIT, Inc.	2,053	35,229
CatchMark Timber Trust, Inc., Class A	1,315	11,638
CBL & Associates Properties, Inc. (A)	4,721	1,287
Cedar Realty Trust, Inc.	2,499	2,474
Chatham Lodging Trust	1,057	6,469
CIM Commercial Trust Corp.	337	3,633
Clipper Realty, Inc.	526	4,261
Colony Capital, Inc.	10,479	25,150
Columbia Property Trust, Inc.	2,547	33,468
Community Healthcare Trust, Inc.	472	19,305
Condor Hospitality Trust, Inc.	431	1,767
CoreCivic, Inc.	2,527	23,653
CorEnergy Infrastructure Trust, Inc.	318	2,910
CorePoint Lodging, Inc.	1,422	5,987
CoreSite Realty Corp.	786	95,153
Corporate Office Properties Trust	2,391	60,588
Cousins Properties, Inc.	3,094	92,294
Crown Castle International Corp.	8,667	1,450,422
CubeSmart	4,038	108,986
CyrusOne, Inc.	2,372	172,563
DiamondRock Hospitality Company	4,310	23,834
Digital Realty Trust, Inc.	4,353	618,605
Diversified Healthcare Trust	5,157	22,820
Douglas Emmett, Inc.	3,681	112,859
Duke Realty Corp.	7,705	272,680
Easterly Government Properties, Inc.	1,561	36,090
EastGroup Properties, Inc.	807	95,718
Empire State Realty Trust, Inc., Class A	3,892	27,244
EPR Properties	1,636	54,201
Equinix, Inc.	1,779	1,249,392
Equity Commonwealth	2,590	83,398
Equity LifeStyle Properties, Inc.	3,682	230,051
Equity Residential	7,748	455,737

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Essential Properties Realty Trust, Inc.	1,463	\$ 21,711
Essex Property Trust, Inc.	1,373	314,650
Extra Space Storage, Inc.	2,697	249,122
Farmland Partners, Inc.	930	6,371
Federal Realty Investment Trust	1,572	133,950
First Industrial Realty Trust, Inc.	2,680	103,019
Four Corners Property Trust, Inc.	1,453	35,453
Franklin Street Properties Corp.	2,261	11,508
Front Yard Residential Corp.	1,319	11,475
Gaming and Leisure Properties, Inc.	4,477	154,904
Getty Realty Corp.	966	28,671
Gladstone Commercial Corp.	793	14,869
Gladstone Land Corp.	706	11,197
Global Medical REIT, Inc.	854	9,676
Global Net Lease, Inc.	1,979	33,109
Healthcare Realty Trust, Inc.	2,832	82,949
Healthcare Trust of America, Inc., Class A	4,366	115,786
Healthpeak Properties, Inc.	10,353	285,329
Hersha Hospitality Trust	1,005	5,789
Highwoods Properties, Inc.	2,184	81,529
Host Hotels & Resorts, Inc.	15,005	161,904
Hudson Pacific Properties, Inc.	3,264	82,122
Independence Realty Trust, Inc.	2,095	24,072
Industrial Logistics Properties Trust	1,490	30,620
Innovative Industrial Properties, Inc.	316	27,814
Investors Real Estate Trust	226	15,931
Invitation Homes, Inc.	11,285	310,676
Iron Mountain, Inc.	6,007	156,783
iStar, Inc.	1,236	15,228
JBG SMITH Properties	2,856	84,452
Jernigan Capital, Inc.	373	5,103
Kilroy Realty Corp.	2,218	130,197
Kimco Realty Corp.	8,845	113,570
Kite Realty Group Trust	1,853	21,384
Lamar Advertising Company, Class A	2,080	138,861
Lexington Realty Trust	5,323	56,158
Life Storage, Inc.	972	92,291
LTC Properties, Inc.	837	31,530
Mack-Cali Realty Corp.	1,996	30,519
Medalist Diversified REIT, Inc.	376	688
Medical Properties Trust, Inc.	10,170	191,196
MGM Growth Properties LLC, Class A	2,079	56,570
Mid-America Apartment Communities, Inc.	2,377	272,571
Monmouth Real Estate Investment Corp.	2,045	29,632
National Health Investors, Inc.	880	53,434
National Retail Properties, Inc.	3,402	120,703
National Storage Affiliates Trust	1,224	35,080
New Senior Investment Group, Inc.	2,020	7,312
New York REIT Liquidating LLC (A)(C)	457	8,422
NexPoint Residential Trust, Inc.	583	20,609
Office Properties Income Trust	1,104	28,671
Omega Healthcare Investors, Inc.	4,564	135,688
One Liberty Properties, Inc.	540	9,515
Outfront Media, Inc.	3,037	43,034
Paramount Group, Inc.	4,911	37,864
Park Hotels & Resorts, Inc.	5,041	49,855
Pebblebrook Hotel Trust	2,802	38,275
Pennsylvania Real Estate Investment Trust	1,986	2,701
Physicians Realty Trust	3,981	69,747
Piedmont Office Realty Trust, Inc., Class A	2,693	44,731
Plymouth Industrial REIT, Inc.	429	5,491
Postal Realty Trust, Inc., Class A	83	1,324
PotlatchDeltic Corp.	1,473	56,018

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Preferred Apartment Communities, Inc., Class A	904	\$ 6,870
Prologis, Inc.	15,407	1,437,935
PS Business Parks, Inc.	476	63,022
Public Storage	3,635	697,520
QTS Realty Trust, Inc., Class A	1,243	79,664
Rayonier, Inc.	2,839	70,379
Realty Income Corp.	6,750	401,625
Regency Centers Corp.	3,503	160,753
Retail Opportunity Investments Corp.	2,507	28,404
Retail Properties of America, Inc., Class A	4,627	33,870
Retail Value, Inc.	492	6,081
Rexford Industrial Realty, Inc.	2,347	97,236
RLJ Lodging Trust	3,635	34,314
RPT Realty	1,545	10,753
Ryman Hospitality Properties, Inc.	1,080	37,368
Sabra Health Care REIT, Inc.	4,102	59,192
Safehold, Inc.	890	51,166
Saul Centers, Inc.	494	15,941
SBA Communications Corp.	2,351	700,410
Seritage Growth Properties, Class A (A)	866	9,872
Service Properties Trust	3,498	24,801
Simon Property Group, Inc.	6,397	437,427
SITE Centers Corp.	4,050	32,805
SL Green Realty Corp.	1,680	82,807
Sotherly Hotels, Inc.	646	1,621
Spirit Realty Capital, Inc.	2,024	70,557
STAG Industrial, Inc.	2,912	85,380
STORE Capital Corp.	4,908	116,859
Summit Hotel Properties, Inc.	2,173	12,886
Sun Communities, Inc.	1,906	258,606
Sunstone Hotel Investors, Inc.	4,797	39,096
Tanger Factory Outlet Centers, Inc.	2,021	14,410
Taubman Centers, Inc.	1,299	49,050
Terreno Realty Corp.	1,416	74,538
The GEO Group, Inc.	2,079	24,595
The Macerich Company	3,169	28,426
UDR, Inc.	6,125	228,953
UMH Properties, Inc.	958	12,387
Uniti Group, Inc.	4,136	38,672
Universal Health Realty Income Trust	293	23,291
Urban Edge Properties	2,581	30,636
Urstadt Biddle Properties, Inc., Class A	889	10,561
Ventas, Inc.	7,776	284,757
VEREIT, Inc.	21,887	140,733
VICI Properties, Inc.	9,506	191,926
Vornado Realty Trust	3,861	147,529
Washington Prime Group, Inc.	4,570	3,842
Washington Real Estate Investment Trust	1,739	38,606
Weingarten Realty Investors	2,712	51,338
Welltower, Inc.	8,465	438,064
Weyerhaeuser Company	15,613	350,668
Wheeler Real Estate Investment Trust, Inc. (A)	991	1,734
Whitestone REIT	991	7,205
WP Carey, Inc.	3,600	243,540
Xenia Hotels & Resorts, Inc.	2,429	22,663
		22,233,790
Real estate management and development – 0.1%		
CBRE Group, Inc., Class A (A)	6,992	316,178
CTO Realty Growth, Inc.	31	1,225
eXp World Holdings, Inc. (A)	1,472	25,098
Five Point Holdings LLC, Class A (A)	2,953	13,584
Forestar Group, Inc. (A)	1,120	16,890
FRP Holdings, Inc. (A)	258	10,470

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
Griffin Industrial Realty, Inc.	183	\$ 9,913
Jones Lang LaSalle, Inc.	1,079	111,633
Kennedy-Wilson Holdings, Inc.	3,061	46,588
Landmark Infrastructure Partners LP	598	5,920
Marcus & Millichap, Inc. (A)	815	23,521
Maui Land & Pineapple Company, Inc. (A)	514	5,705
Newmark Group, Inc., Class A	3,854	18,730
Rafael Holdings, Inc., Class B (A)	347	4,986
RE/MAX Holdings, Inc., Class A	431	13,546
Redfin Corp. (A)(B)	1,978	82,898
Tejon Ranch Company (A)	613	8,827
The Howard Hughes Corp. (A)	903	46,911
The RMR Group, Inc., Class A	686	20,216
The St. Joe Company (A)	1,315	25,537
		808,376
		23,042,166
Utilities – 2.8%		
Electric utilities – 1.6%		
ALLETE, Inc.	1,077	58,815
Alliant Energy Corp.	5,100	243,984
American Electric Power Company, Inc.	10,288	819,336
Avangrid, Inc.	6,462	271,275
Duke Energy Corp.	15,261	1,219,201
Edison International	7,481	406,293
El Paso Electric Company	847	56,749
Entergy Corp.	4,161	390,343
Evergy, Inc.	4,751	281,687
Eversource Energy	6,749	561,989
Exelon Corp.	20,255	735,054
FirstEnergy Corp.	11,296	438,059
Genie Energy, Ltd., B Shares	706	5,196
Hawaiian Electric Industries, Inc.	2,224	80,197
IDACORP, Inc.	1,045	91,302
MGE Energy, Inc.	751	48,447
NextEra Energy, Inc.	10,185	2,446,131
NRG Energy, Inc.	5,278	171,852
OGE Energy Corp.	4,182	126,966
Otter Tail Corp.	842	32,661
PG&E Corp. (A)	11,073	98,218
Pinnacle West Capital Corp.	2,268	166,222
PNM Resources, Inc.	1,686	64,810
Portland General Electric Company	1,864	77,934
PPL Corp.	15,073	389,486
Spark Energy, Inc., Class A	849	6,002
The Southern Company	21,869	1,133,908
Xcel Energy, Inc.	10,931	683,188
		11,105,305
Gas utilities – 0.2%		
Atmos Energy Corp.	2,363	235,308
Chesapeake Utilities Corp.	361	30,324
National Fuel Gas Company	1,879	78,786
New Jersey Resources Corp.	1,989	64,941
Northwest Natural Holding Company	666	37,156
ONE Gas, Inc.	1,068	82,289
RGC Resources, Inc.	260	6,284
South Jersey Industries, Inc.	1,973	49,305
Southwest Gas Holdings, Inc.	1,157	79,891
Spire, Inc.	1,072	70,441
Star Group LP	997	8,744
Suburban Propane Partners LP	1,423	20,349
UGI Corp.	4,408	140,174
		903,992

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (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 – 0.1%		
AES Corp.	13,906	\$ 201,498
Atlantic Power Corp. (A)	3,277	6,554
NextEra Energy Partners LP	1,301	66,715
Ormat Technologies, Inc. (B)	1,079	68,506
Sunnova Energy International, Inc. (A)	1,517	25,895
TerraForm Power, Inc., Class A	4,743	87,461
Vistra Energy Corp.	10,218	190,259
		646,888
Multi-utilities – 0.8%		
Ameren Corp.	5,119	360,173
Avista Corp.	1,415	51,492
Black Hills Corp.	1,306	73,998
CenterPoint Energy, Inc.	10,525	196,502
CMS Energy Corp.	5,917	345,671
Consolidated Edison, Inc.	6,927	498,259
Dominion Energy, Inc.	17,152	1,392,399
DTE Energy Company	3,964	426,130
MDU Resources Group, Inc.	4,173	92,557
NiSource, Inc.	7,846	178,418
NorthWestern Corp.	1,056	57,573
Public Service Enterprise Group, Inc.	10,527	517,507
Sempra Energy	5,877	688,961
Unitil Corp.	366	16,404
WEC Energy Group, Inc.	6,572	576,036
		5,472,080
Water utilities – 0.1%		
American States Water Company	769	60,466
American Water Works Company, Inc.	3,741	481,317
Artesian Resources Corp., Class A	287	10,415
Cadiz, Inc. (A)(B)	752	7,640
California Water Service Group	1,049	50,037
Essential Utilities, Inc.	3,802	160,596
Global Water Resources, Inc.	678	7,146
Middlesex Water Company	325	21,834
Pure Cycle Corp. (A)	700	6,433
SIW Group	625	38,819
The York Water Company	347	16,642
		861,345
		18,989,610
TOTAL COMMON STOCKS (Cost \$342,716,361)		\$ 681,275,381
PREFERRED SECURITIES – 0.0%		
Communication services – 0.0%		
Media – 0.0%		
GCI Liberty, Inc., 7.000%	198	5,190
Consumer discretionary – 0.0%		
Internet and direct marketing retail – 0.0%		
Overstock.com, Inc., 1.020%	68	1,088
Industrials – 0.0%		
Industrial conglomerates – 0.0%		
Steel Partners Holdings LP, 6.000%	510	8,288
Trading companies and distributors – 0.0%		
WESCO International, Inc. (10.625% to 6-22-25, then 5 Year CMT + 10.325%) (B)	450	11,934
		20,222
TOTAL PREFERRED SECURITIES (Cost \$23,611)		\$ 26,500

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
RIGHTS – 0.0%		
Bristol-Myers Squibb Company (Expiration Date: 3-31-21) (A)(D)	15,751	\$ 56,389
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(D)	7,232	4,961
TOTAL RIGHTS (Cost \$40,058)		\$ 61,350
WARRANTS – 0.0%		
Amplify Energy Corp. (Expiration Date: 5-4-22; Strike Price: \$42.60) (A)	57	2
Basic Energy Services, Inc. (Expiration Date: 12-23-23; Strike Price: \$55.25) (A)	55	3
Battalion Oil Corp. (Expiration Date: 8-10-22; Strike Price: \$40.17) (A)(C)	46	143
Battalion Oil Corp. (Expiration Date: 8-10-22; Strike Price: \$48.28) (A)(C)	57	170
Battalion Oil Corp. (Expiration Date: 8-10-22; Strike Price: \$60.45) (A)(C)	74	209
Eagle Bulk Shipping, Inc. (Expiration Date: 10-15-21; Strike Price: \$27.82) (A)	101	1
Genco Shipping & Trading, Ltd. (Expiration Date: 7-9-21; Strike Price: \$20.99) (A)	92	6
Hycroft Mining Corp. (Expiration Date: 10-22-22) (A)(D)	196	24
Talos Energy, Inc. (Expiration Date: 2-28-21; Strike Price: \$42.04) (A)	80	15
Tidewater, Inc., Class A (Expiration Date: 7-31-23; Strike Price: \$57.06) (A)	66	36
Tidewater, Inc., Class B (Expiration Date: 7-31-23; Strike Price: \$62.28) (A)	71	28
TOTAL WARRANTS (Cost \$18,908)		\$ 637
SHORT-TERM INVESTMENTS – 3.9%		
U.S. Government Agency – 0.5%		
Federal Home Loan Bank Discount Note 0.135%, 09/02/2020 *	\$ 3,000,000	2,999,265
Short-term funds – 3.2%		
John Hancock Collateral Trust, 0.2429% (E)(F)	2,217,519	22,200,251
Repurchase agreement – 0.2%		
Repurchase Agreement with State Street Corp. dated 6-30-20 at 0.000% to be repurchased at \$1,603,000 on 7-1-20, collateralized by \$1,520,700 U.S. Treasury Inflation Indexed Notes, 0.625% due 4-15-23 (valued at \$1,635,159)	\$ 1,603,000	1,603,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$26,801,819)		\$ 26,802,516
Total Investments (Total Stock Market Index Trust) (Cost \$369,600,757) – 102.9%		\$ 708,166,384 (20,107,993)
Other assets and liabilities, net – (2.9%)		\$ 688,058,391
TOTAL NET ASSETS – 100.0%		\$ 688,058,391

Security Abbreviations and Legend

ADR	American Depositary Receipt
CMT	Constant Maturity Treasury
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 6-30-20.
(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.

John Hancock Variable Insurance Trust

Portfolio of Investments — June 30, 2020 (unaudited) (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

- (D) Strike price and/or expiration date not available.
(E) The rate shown is the annualized seven-day yield as of 6-30-20.
(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.

Total Stock Market Index Trust (continued)

- * Yield represents either the annualized yield at the date of purchase, the stated coupon rate or, for floating rate securities, the rate at period end.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	14	Long	Sep 2020	\$956,254	\$1,006,320	\$50,066
S&P 500 Index E-Mini Futures	40	Long	Sep 2020	6,034,471	6,168,517	134,046
						\$184,112

[^] 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.