

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

500 Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.5%		
Communication services – 10.4%		
Diversified telecommunication services – 1.4%		
AT&T, Inc.	1,483,282	\$ 42,659,190
CenturyLink, Inc.	208,597	2,033,821
Verizon Communications, Inc.	861,788	50,630,045
		95,323,056
Entertainment – 2.2%		
Activision Blizzard, Inc.	160,872	14,936,965
Electronic Arts, Inc.	60,072	8,626,339
Live Nation Entertainment, Inc. (A)	30,014	2,205,429
Netflix, Inc. (A)	91,957	49,723,909
Take-Two Interactive Software, Inc. (A)	24,146	5,017,297
The Walt Disney Company (A)	376,832	68,274,422
		148,784,361
Interactive media and services – 5.3%		
Alphabet, Inc., Class A (A)	62,576	109,673,201
Alphabet, Inc., Class C (A)	60,439	105,881,875
Facebook, Inc., Class A (A)	500,424	136,695,820
Twitter, Inc. (A)	164,632	8,914,823
		361,165,719
Media – 1.3%		
Charter Communications, Inc., Class A (A)	30,407	20,115,751
Comcast Corp., Class A	950,543	49,808,453
Discovery, Inc., Series A (A)(B)	33,828	1,017,885
Discovery, Inc., Series C (A)	60,255	1,578,078
DISH Network Corp., Class A (A)	52,099	1,684,882
Fox Corp., Class A	68,021	1,980,772
Fox Corp., Class B	33,080	955,350
News Corp., Class A	82,154	1,476,307
News Corp., Class B	25,708	456,831
Omnicom Group, Inc.	45,376	2,830,101
The Interpublic Group of Companies, Inc.	82,343	1,936,707
ViacomCBS, Inc., Class B	115,444	4,301,443
		88,142,560
Wireless telecommunication services – 0.2%		
T-Mobile US, Inc. (A)	121,506	16,385,084
		709,800,780
Consumer discretionary – 12.3%		
Auto components – 0.1%		
Aptiv PLC	55,969	7,292,201
BorgWarner, Inc.	51,621	1,994,635
		9,286,836
Automobiles – 1.9%		
Ford Motor Company	810,845	7,127,328
General Motors Company	262,151	10,915,968
Tesla, Inc. (A)	157,852	111,391,421
		129,434,717
Distributors – 0.1%		
Genuine Parts Company	30,465	3,059,600
LKQ Corp. (A)	59,119	2,083,354
Pool Corp.	8,463	3,152,468
		8,295,422
Hotels, restaurants and leisure – 1.6%		
Carnival Corp.	154,147	3,338,824
Chipotle Mexican Grill, Inc. (A)	5,813	8,060,945
Darden Restaurants, Inc.	27,470	3,272,226
Domino's Pizza, Inc.	8,309	3,186,169
Hilton Worldwide Holdings, Inc.	57,320	6,377,423
Las Vegas Sands Corp.	67,110	3,999,756
Marriott International, Inc., Class A	55,166	7,277,499
McDonald's Corp.	155,101	33,281,573
MGM Resorts International	86,461	2,724,386

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Norwegian Cruise Line Holdings, Ltd. (A)	65,122	\$ 1,656,052
Royal Caribbean Cruises, Ltd.	39,387	2,941,815
Starbucks Corp.	244,224	26,127,084
Wynn Resorts, Ltd.	20,498	2,312,789
Yum! Brands, Inc.	62,442	6,778,704
		111,335,245
Household durables – 0.4%		
D.R. Horton, Inc.	68,073	4,691,591
Garmin, Ltd.	31,500	3,769,290
Leggett & Platt, Inc.	27,959	1,238,584
Lennar Corp., A Shares	57,993	4,420,806
Mohawk Industries, Inc. (A)	12,629	1,780,058
Newell Brands, Inc.	79,746	1,693,008
NVR, Inc. (A)	735	2,998,697
PulteGroup, Inc.	56,633	2,442,015
Whirlpool Corp.	13,155	2,374,346
		25,408,395
Internet and direct marketing retail – 4.8%		
Amazon.com, Inc. (A)	88,781	289,153,502
Booking Holdings, Inc. (A)	8,521	18,978,568
eBay, Inc.	136,144	6,841,236
Etsy, Inc. (A)	26,198	4,660,886
Expedia Group, Inc.	28,658	3,794,319
		323,428,511
Leisure products – 0.1%		
Hasbro, Inc.	26,911	2,517,255
Multiline retail – 0.5%		
Dollar General Corp.	50,979	10,720,884
Dollar Tree, Inc. (A)	48,896	5,282,724
Target Corp.	104,195	18,393,543
		34,397,151
Specialty retail – 2.1%		
Advance Auto Parts, Inc.	13,797	2,173,165
AutoZone, Inc. (A)	4,817	5,710,264
Best Buy Company, Inc.	47,394	4,729,447
CarMax, Inc. (A)	34,439	3,253,108
L Brands, Inc.	49,295	1,833,281
Lowe's Companies, Inc.	152,494	24,476,812
O'Reilly Automotive, Inc. (A)	15,066	6,818,420
Ross Stores, Inc.	73,944	9,081,063
The Gap, Inc.	43,392	876,084
The Home Depot, Inc.	224,129	59,533,145
The TJX Companies, Inc.	249,656	17,049,008
Tiffany & Company	22,811	2,998,506
Tractor Supply Company	24,544	3,450,396
Ulta Beauty, Inc. (A)	11,894	3,415,481
		145,398,180
Textiles, apparel and luxury goods – 0.7%		
Hanesbrands, Inc.	73,524	1,071,980
NIKE, Inc., Class B	261,110	36,939,232
PVH Corp.	14,980	1,406,472
Ralph Lauren Corp.	10,171	1,055,140
Tapestry, Inc.	58,336	1,813,083
Under Armour, Inc., Class A (A)	39,815	683,624
Under Armour, Inc., Class C (A)	41,065	611,047
VF Corp.	65,973	5,634,754
		49,215,332
		838,717,044
Consumer staples – 6.3%		
Beverages – 1.6%		
Brown-Forman Corp., Class B	38,545	3,061,629
Constellation Brands, Inc., Class A	35,482	7,772,332

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages (continued)		
Molson Coors Beverage Company, Class B	39,713	\$ 1,794,630
Monster Beverage Corp. (A)	76,518	7,076,385
PepsiCo, Inc.	287,891	42,694,235
The Coca-Cola Company	805,444	44,170,549
		106,569,760
Food and staples retailing – 1.4%		
Costco Wholesale Corp.	91,846	34,605,736
Sysco Corp.	105,637	7,844,604
The Kroger Company	160,095	5,084,617
Walgreens Boots Alliance, Inc.	148,678	5,929,279
Walmart, Inc.	288,673	41,612,213
		95,076,449
Food products – 1.0%		
Archer-Daniels-Midland Company	114,706	5,782,329
Campbell Soup Company	42,753	2,067,108
Conagra Brands, Inc.	99,512	3,608,305
General Mills, Inc.	126,813	7,456,604
Hormel Foods Corp.	59,256	2,761,922
Kellogg Company	53,588	3,334,781
Lamb Weston Holdings, Inc.	30,687	2,416,294
McCormick & Company, Inc.	52,348	5,004,469
Mondelez International, Inc., Class A	297,941	17,420,610
The Hershey Company	30,266	4,610,420
The J.M. Smucker Company	24,090	2,784,804
The Kraft Heinz Company	133,071	4,612,241
Tyson Foods, Inc., Class A	60,152	3,876,195
		65,736,082
Household products – 1.5%		
Church & Dwight Company, Inc.	52,227	4,555,761
Colgate-Palmolive Company	178,422	15,256,865
Kimberly-Clark Corp.	70,812	9,547,582
The Clorox Company	26,017	5,253,353
The Procter & Gamble Company	516,395	71,851,200
		106,464,761
Personal products – 0.2%		
The Estee Lauder Companies, Inc., Class A	47,134	12,546,599
Tobacco – 0.6%		
Altria Group, Inc.	386,804	15,858,964
Philip Morris International, Inc.	324,254	26,844,989
		42,703,953
		429,097,604
Energy – 2.2%		
Energy equipment and services – 0.2%		
Baker Hughes Company	144,632	3,015,577
Halliburton Company	185,514	3,506,215
National Oilwell Varco, Inc.	81,997	1,125,819
Schlumberger NV	287,462	6,275,295
TechnipFMC PLC	89,196	838,442
		14,761,348
Oil, gas and consumable fuels – 2.0%		
Apache Corp.	79,711	1,131,099
Cabot Oil & Gas Corp.	84,171	1,370,304
Chevron Corp.	400,967	33,861,663
Concho Resources, Inc.	41,540	2,423,859
ConocoPhillips	222,024	8,878,740
Devon Energy Corp.	80,838	1,278,049
Diamondback Energy, Inc.	33,329	1,613,124
EOG Resources, Inc.	120,497	6,009,185
Exxon Mobil Corp.	880,280	36,285,142
Hess Corp.	55,437	2,926,519
HollyFrontier Corp.	31,477	813,680

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Kinder Morgan, Inc.	402,209	\$ 5,498,197
Marathon Oil Corp.	166,711	1,111,962
Marathon Petroleum Corp.	134,300	5,554,648
Occidental Petroleum Corp.	176,783	3,060,114
ONEOK, Inc.	93,806	3,600,274
Phillips 66	90,294	6,315,162
Pioneer Natural Resources Company	33,583	3,824,768
The Williams Companies, Inc.	250,317	5,018,856
Valero Energy Corp.	86,109	4,871,186
		135,446,531
		150,207,879
Financials – 10.1%		
Banks – 3.7%		
Bank of America Corp.	1,584,578	48,028,559
Citigroup, Inc.	433,233	26,713,147
Citizens Financial Group, Inc.	86,473	3,092,274
Comerica, Inc.	29,362	1,640,161
Fifth Third Bancorp	145,653	4,015,653
First Republic Bank	36,347	5,340,465
Huntington Bancshares, Inc.	214,834	2,713,353
JPMorgan Chase & Co.	634,617	80,640,782
KeyCorp	197,883	3,247,260
M&T Bank Corp.	27,090	3,448,557
People's United Financial, Inc.	89,701	1,159,834
Regions Financial Corp.	202,766	3,268,588
SVB Financial Group (A)	10,931	4,239,370
The PNC Financial Services Group, Inc.	88,019	13,114,831
Truist Financial Corp.	279,836	13,412,539
U.S. Bancorp	285,014	13,278,802
Wells Fargo & Company	859,895	25,951,631
Zions Bancorp NA	34,628	1,504,240
		254,810,046
Capital markets – 2.7%		
Ameriprise Financial, Inc.	24,564	4,773,522
BlackRock, Inc.	29,584	21,346,039
Cboe Global Markets, Inc.	22,967	2,138,687
CME Group, Inc.	74,746	13,607,509
Franklin Resources, Inc.	56,488	1,411,635
Intercontinental Exchange, Inc.	116,886	13,475,787
Invesco, Ltd.	79,512	1,385,894
MarketAxess Holdings, Inc.	7,788	4,443,521
Moody's Corp.	33,592	9,749,742
Morgan Stanley	297,626	20,396,310
MSCI, Inc.	17,229	7,693,265
Nasdaq, Inc.	24,281	3,223,060
Northern Trust Corp.	43,945	4,093,037
Raymond James Financial, Inc.	25,779	2,466,277
S&P Global, Inc.	50,115	16,474,304
State Street Corp.	72,595	5,283,464
T. Rowe Price Group, Inc.	47,073	7,126,381
The Bank of New York Mellon Corp.	168,904	7,168,286
The Charles Schwab Corp.	310,276	16,457,039
The Goldman Sachs Group, Inc.	71,647	18,894,030
		181,607,789
Consumer finance – 0.5%		
American Express Company	135,738	16,412,082
Capital One Financial Corp.	95,047	9,395,396
Discover Financial Services	63,208	5,722,220
Synchrony Financial	110,714	3,842,883
		35,372,581
Diversified financial services – 1.4%		
Berkshire Hathaway, Inc., Class B (A)	405,284	93,973,201

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance – 1.8%		
Aflac, Inc.	136,145	\$ 6,054,368
American International Group, Inc.	178,533	6,759,259
Aon PLC, Class A	47,601	10,056,663
Arthur J. Gallagher & Company	40,441	5,002,956
Assurant, Inc.	12,596	1,715,827
Chubb, Ltd.	93,942	14,459,553
Cincinnati Financial Corp.	31,591	2,760,106
Everest Re Group, Ltd.	8,441	1,975,954
Globe Life, Inc.	19,308	1,833,488
Lincoln National Corp.	38,361	1,929,942
Loews Corp.	47,418	2,134,758
Marsh & McLennan Companies, Inc.	105,568	12,351,456
MetLife, Inc.	159,373	7,482,562
Principal Financial Group, Inc.	53,915	2,674,723
Prudential Financial, Inc.	81,754	6,382,535
The Allstate Corp.	63,254	6,953,512
The Hartford Financial Services Group, Inc.	75,643	3,704,994
The Progressive Corp.	121,880	12,051,494
The Travelers Companies, Inc.	52,525	7,372,934
Unum Group	42,987	986,122
W.R. Berkley Corp.	29,696	1,972,408
Willis Towers Watson PLC	26,600	5,604,088
		122,219,702
		687,983,319
Health care – 13.0%		
Biotechnology – 1.8%		
AbbVie, Inc.	367,530	39,380,840
Alexion Pharmaceuticals, Inc. (A)	45,465	7,103,452
Amgen, Inc.	121,254	27,878,720
Biogen, Inc. (A)	32,017	7,839,683
Gilead Sciences, Inc.	261,008	15,206,326
Incyte Corp. (A)	39,257	3,414,574
Regeneron Pharmaceuticals, Inc. (A)	21,811	10,537,112
Vertex Pharmaceuticals, Inc. (A)	54,128	12,792,612
		124,153,319
Health care equipment and supplies – 3.7%		
Abbott Laboratories	369,003	40,402,138
ABIOMED, Inc. (A)	9,513	3,084,115
Align Technology, Inc. (A)	14,890	7,956,918
Baxter International, Inc.	106,905	8,578,057
Becton, Dickinson and Company	60,362	15,103,780
Boston Scientific Corp. (A)	297,938	10,710,871
Danaher Corp.	131,642	29,242,954
Dentsply Sirona, Inc.	46,141	2,415,943
DexCom, Inc. (A)	19,851	7,339,312
Edwards Lifesciences Corp. (A)	129,668	11,829,612
Hologic, Inc. (A)	52,931	3,854,965
IDEXX Laboratories, Inc. (A)	17,685	8,840,201
Intuitive Surgical, Inc. (A)	24,473	20,021,361
Medtronic PLC	280,237	32,826,962
ResMed, Inc.	29,984	6,373,399
STERIS PLC	17,961	3,404,328
Stryker Corp.	68,049	16,674,727
Teleflex, Inc.	9,823	4,042,852
The Cooper Companies, Inc.	9,999	3,632,837
Varian Medical Systems, Inc. (A)	19,245	3,368,067
West Pharmaceutical Services, Inc.	15,594	4,417,936
Zimmer Biomet Holdings, Inc.	42,853	6,603,219
		250,724,554
Health care providers and services – 2.5%		
AmerisourceBergen Corp.	31,039	3,034,373
Anthem, Inc.	51,789	16,628,930
Cardinal Health, Inc.	61,757	3,307,705

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Centene Corp. (A)	120,248	\$ 7,218,487
Cigna Corp.	75,214	15,658,051
CVS Health Corp.	272,382	18,603,691
DaVita, Inc. (A)	14,743	1,730,828
HCA Healthcare, Inc.	54,879	9,025,400
Henry Schein, Inc. (A)	30,149	2,015,762
Humana, Inc.	27,560	11,307,041
Laboratory Corp. of America Holdings (A)	19,927	4,056,141
McKesson Corp.	33,385	5,806,319
Quest Diagnostics, Inc.	28,362	3,379,900
UnitedHealth Group, Inc.	197,593	69,291,913
Universal Health Services, Inc., Class B	16,409	2,256,238
		173,320,779
Health care technology – 0.1%		
Cerner Corp.	64,490	5,061,175
Life sciences tools and services – 1.2%		
Agilent Technologies, Inc.	63,653	7,542,244
Bio-Rad Laboratories, Inc., Class A (A)	4,517	2,633,140
Illumina, Inc. (A)	30,376	11,239,120
IQVIA Holdings, Inc. (A)	39,650	7,104,091
Mettler-Toledo International, Inc. (A)	4,945	5,635,718
PerkinElmer, Inc.	23,613	3,388,466
Thermo Fisher Scientific, Inc.	82,530	38,440,823
Waters Corp. (A)	13,077	3,235,511
		79,219,113
Pharmaceuticals – 3.7%		
Bristol-Myers Squibb Company	470,381	29,177,733
Catalent, Inc. (A)	34,663	3,607,378
Eli Lilly & Company	165,283	27,906,382
Johnson & Johnson	548,175	86,271,782
Merck & Company, Inc.	526,925	43,102,465
Perrigo Company PLC	28,821	1,288,875
Pfizer, Inc.	1,157,117	42,593,477
Viatris, Inc. (A)	247,514	4,638,412
Zoetis, Inc.	98,949	16,376,060
		254,962,564
		887,441,504
Industrials – 8.1%		
Aerospace and defense – 1.6%		
General Dynamics Corp.	48,236	7,178,482
Howmet Aerospace, Inc.	82,893	2,365,766
Huntington Ingalls Industries, Inc.	8,551	1,457,774
L3Harris Technologies, Inc.	43,700	8,260,174
Lockheed Martin Corp.	51,285	18,205,149
Northrop Grumman Corp.	32,274	9,834,533
Raytheon Technologies Corp.	316,075	22,602,523
Teledyne Technologies, Inc. (A)	7,785	3,051,564
Textron, Inc.	48,156	2,327,379
The Boeing Company	110,423	23,637,147
TransDigm Group, Inc. (A)	11,232	6,950,923
		105,871,414
Air freight and logistics – 0.6%		
CH Robinson Worldwide, Inc.	28,472	2,672,667
Expeditors International of Washington, Inc.	35,406	3,367,465
FedEx Corp.	50,312	13,062,001
United Parcel Service, Inc., Class B	148,558	25,017,167
		44,119,300
Airlines – 0.2%		
Alaska Air Group, Inc.	26,110	1,357,720
American Airlines Group, Inc. (B)	126,862	2,000,614
Delta Air Lines, Inc.	131,545	5,289,424
Southwest Airlines Company	121,733	5,673,975

The accompanying notes are an integral part of the financial statements.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Airlines (continued)		
United Airlines Holdings, Inc. (A)	61,449	\$ 2,657,669
		16,979,402
Building products – 0.4%		
A. O. Smith Corp.	28,588	1,567,194
Allegion PLC	19,477	2,266,733
Carrier Global Corp.	168,529	6,356,914
Fortune Brands Home & Security, Inc.	29,174	2,500,795
Johnson Controls International PLC	150,495	7,011,562
Masco Corp.	55,230	3,033,784
Trane Technologies PLC	49,610	7,201,388
		29,938,370
Commercial services and supplies – 0.4%		
Cintas Corp.	18,360	6,489,526
Copart, Inc. (A)	43,630	5,551,918
Republic Services, Inc.	44,391	4,274,853
Rollins, Inc.	46,720	1,825,350
Waste Management, Inc.	80,776	9,525,914
		27,667,561
Construction and engineering – 0.1%		
Jacobs Engineering Group, Inc.	26,277	2,863,142
Quanta Services, Inc.	29,147	2,099,167
		4,962,309
Electrical equipment – 0.5%		
AMETEK, Inc.	47,383	5,730,500
Eaton Corp. PLC	82,979	9,969,097
Emerson Electric Company	124,414	9,999,153
Rockwell Automation, Inc.	23,962	6,009,909
		31,708,659
Industrial conglomerates – 1.2%		
3M Company	120,021	20,978,471
General Electric Company	1,822,944	19,687,795
Honeywell International, Inc.	146,115	31,078,661
Roper Technologies, Inc.	21,805	9,399,917
		81,144,844
Machinery – 1.6%		
Caterpillar, Inc.	113,175	20,600,114
Cummins, Inc.	30,604	6,950,168
Deere & Company	65,279	17,563,315
Dover Corp.	29,330	3,702,913
Flowserve Corp.	27,487	1,012,896
Fortive Corp.	69,301	4,907,897
IDEX Corp.	15,946	3,176,443
Illinois Tool Works, Inc.	60,045	12,241,975
Ingersoll Rand, Inc. (A)	78,385	3,571,221
Otis Worldwide Corp.	83,983	5,673,052
PACCAR, Inc.	71,607	6,178,252
Parker-Hannifin Corp.	26,674	7,266,264
Pentair PLC	35,036	1,860,061
Snap-on, Inc.	11,502	1,968,452
Stanley Black & Decker, Inc.	32,999	5,892,301
Wabtec Corp.	37,776	2,765,203
Xylem, Inc.	38,003	3,868,325
		109,198,852
Professional services – 0.3%		
Equifax, Inc.	24,978	4,816,758
IHS Markit, Ltd.	77,293	6,943,230
Nielsen Holdings PLC	75,338	1,572,304
Robert Half International, Inc.	24,208	1,512,516
Verisk Analytics, Inc.	33,630	6,981,252
		21,826,060
Road and rail – 1.0%		
CSX Corp.	159,281	14,454,751

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Road and rail (continued)		
JB Hunt Transport Services, Inc.	17,602	\$ 2,405,313
Kansas City Southern	19,251	3,929,707
Norfolk Southern Corp.	52,903	12,570,282
Old Dominion Freight Line, Inc.	19,653	3,835,873
Union Pacific Corp.	140,372	29,228,258
		66,424,184
Trading companies and distributors – 0.2%		
Fastenal Company	118,516	5,787,136
United Rentals, Inc. (A)	15,222	3,530,134
W.W. Grainger, Inc.	9,184	3,750,195
		13,067,465
		552,908,420
Information technology – 26.6%		
Communications equipment – 0.7%		
Arista Networks, Inc. (A)	11,106	3,227,070
Cisco Systems, Inc.	879,727	39,367,783
F5 Networks, Inc. (A)	12,918	2,272,793
Juniper Networks, Inc.	70,058	1,577,006
Motorola Solutions, Inc.	35,078	5,965,365
		52,410,017
Electronic equipment, instruments and components – 0.6%		
Amphenol Corp., Class A	62,020	8,110,355
CDW Corp.	30,129	3,970,701
Corning, Inc.	160,696	5,785,056
FLIR Systems, Inc.	27,690	1,213,653
IPG Photonics Corp. (A)	7,535	1,686,258
Keysight Technologies, Inc. (A)	38,474	5,082,031
TE Connectivity, Ltd.	68,576	8,302,496
Vontier Corp. (A)	28,473	950,998
Zebra Technologies Corp., Class A (A)	10,921	4,197,268
		39,298,816
IT services – 5.3%		
Accenture PLC, Class A	131,905	34,454,905
Akamai Technologies, Inc. (A)	34,360	3,607,456
Automatic Data Processing, Inc.	89,243	15,724,617
Broadridge Financial Solutions, Inc.	24,320	3,725,824
Cognizant Technology Solutions Corp., Class A	111,214	9,113,987
DXC Technology Company	53,680	1,382,260
Fidelity National Information Services, Inc.	129,121	18,265,457
Fiserv, Inc. (A)	115,755	13,179,864
FleetCor Technologies, Inc. (A)	17,287	4,716,412
Gartner, Inc. (A)	18,844	3,018,620
Global Payments, Inc.	62,286	13,417,650
IBM Corp.	185,426	23,341,425
Jack Henry & Associates, Inc.	15,371	2,489,948
Leidos Holdings, Inc.	28,226	2,967,117
Mastercard, Inc., Class A	183,182	65,384,983
Paychex, Inc.	66,285	6,176,436
PayPal Holdings, Inc. (A)	243,907	57,123,019
The Western Union Company	86,795	1,904,282
VeriSign, Inc. (A)	20,742	4,488,569
Visa, Inc., Class A	353,110	77,235,750
		361,718,581
Semiconductors and semiconductor equipment – 4.9%		
Advanced Micro Devices, Inc. (A)	250,317	22,956,572
Analog Devices, Inc.	76,878	11,357,187
Applied Materials, Inc.	190,083	16,404,163
Broadcom, Inc.	84,212	36,872,224
Intel Corp.	853,150	42,503,933
KLA Corp.	32,133	8,319,555
Lam Research Corp.	29,976	14,156,766
Maxim Integrated Products, Inc.	56,380	4,998,087

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Microchip Technology, Inc.	54,246	\$ 7,491,915
Micron Technology, Inc. (A)	231,692	17,418,605
NVIDIA Corp.	128,862	67,291,736
Qorvo, Inc. (A)	23,309	3,875,587
QUALCOMM, Inc.	235,434	35,866,016
Skyworks Solutions, Inc.	34,395	5,258,308
Teradyne, Inc.	35,062	4,203,583
Texas Instruments, Inc.	191,180	31,378,373
Xilinx, Inc.	50,740	7,193,410
		337,546,020
Software – 8.3%		
Adobe, Inc. (A)	99,885	49,954,486
ANSYS, Inc. (A)	17,740	6,453,812
Autodesk, Inc. (A)	45,755	13,970,832
Cadence Design Systems, Inc. (A)	57,841	7,891,248
Citrix Systems, Inc.	25,084	3,263,428
Fortinet, Inc. (A)	28,366	4,213,202
Intuit, Inc.	54,695	20,775,896
Microsoft Corp.	1,574,004	350,089,970
NortonLifeLock, Inc.	124,806	2,593,469
Oracle Corp.	394,995	25,552,227
Paycom Software, Inc. (A)	10,034	4,537,877
salesforce.com, Inc. (A)	190,467	42,384,622
ServiceNow, Inc. (A)	40,504	22,294,617
Synopsys, Inc. (A)	32,049	8,308,383
Tyler Technologies, Inc. (A)	8,498	3,709,547
		565,993,616
Technology hardware, storage and peripherals – 6.8%		
Apple, Inc.	3,326,879	441,443,574
Hewlett Packard Enterprise Company	271,657	3,219,135
HP, Inc.	284,647	6,999,470
NetApp, Inc.	46,883	3,105,530
Seagate Technology PLC	47,132	2,929,725
Western Digital Corp.	63,887	3,538,701
Xerox Holdings Corp.	32,157	745,721
		461,981,856
		1,818,948,906
Materials – 2.5%		
Chemicals – 1.8%		
Air Products & Chemicals, Inc.	46,023	12,574,404
Albemarle Corp.	22,460	3,313,299
Celanese Corp.	23,983	3,116,351
CF Industries Holdings, Inc.	45,166	1,748,376
Corteva, Inc.	154,765	5,992,501
Dow, Inc.	154,100	8,552,550
DuPont de Nemours, Inc.	152,625	10,853,164
Eastman Chemical Company	28,583	2,866,303
Ecolab, Inc.	51,678	11,181,052
FMC Corp.	27,361	3,144,600
International Flavors & Fragrances, Inc. (B)	22,582	2,457,825
Linde PLC	109,288	28,798,481
LyondellBasell Industries NV, Class A	52,830	4,842,398
PPG Industries, Inc.	48,926	7,056,108
The Mosaic Company	72,850	1,676,279
The Sherwin-Williams Company	17,012	12,502,289
		120,675,980
Construction materials – 0.1%		
Martin Marietta Materials, Inc.	13,150	3,734,206
Vulcan Materials Company	27,028	4,008,523
		7,742,729
Containers and packaging – 0.3%		
Amcor PLC	319,858	3,764,729

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Containers and packaging (continued)		
Avery Dennison Corp.	17,625	\$ 2,733,814
Ball Corp.	67,530	6,292,445
International Paper Company	80,384	3,996,692
Packaging Corp. of America	20,027	2,761,924
Sealed Air Corp.	32,875	1,505,346
Westrock Company	54,829	2,386,706
		23,441,656
Metals and mining – 0.3%		
Freeport-McMoRan, Inc.	301,362	7,841,439
Newmont Corp.	167,196	10,013,368
Nucor Corp.	63,754	3,391,075
		21,245,882
		173,106,247
Real estate – 2.3%		
Equity real estate investment trusts – 2.3%		
Alexandria Real Estate Equities, Inc.	25,719	4,583,640
American Tower Corp.	92,576	20,779,609
AvalonBay Communities, Inc.	28,919	4,639,475
Boston Properties, Inc.	29,909	2,827,298
Crown Castle International Corp.	89,878	14,307,679
Digital Realty Trust, Inc.	58,298	8,133,154
Duke Realty Corp.	78,255	3,127,852
Equinix, Inc.	18,513	13,221,614
Equity Residential	70,120	4,156,714
Essex Property Trust, Inc.	13,232	3,141,541
Extra Space Storage, Inc.	27,257	3,157,996
Federal Realty Investment Trust	14,536	1,237,304
Healthpeak Properties, Inc.	109,414	3,307,585
Host Hotels & Resorts, Inc.	148,936	2,178,934
Iron Mountain, Inc.	60,850	1,793,858
Kimco Realty Corp.	91,336	1,370,953
Mid-America Apartment Communities, Inc.	24,151	3,059,690
Prologis, Inc.	154,035	15,351,128
Public Storage	31,542	7,283,994
Realty Income Corp.	72,865	4,530,017
Regency Centers Corp.	33,314	1,518,785
SBA Communications Corp.	23,145	6,529,899
Simon Property Group, Inc.	68,047	5,803,048
SL Green Realty Corp.	15,469	921,643
UDR, Inc.	62,311	2,394,612
Ventas, Inc.	78,788	3,863,764
Vornado Realty Trust	33,101	1,235,991
Welltower, Inc.	86,175	5,568,629
Weyerhaeuser Company	153,772	5,155,975
		155,182,381
Real estate management and development – 0.0%		
CBRE Group, Inc., Class A (A)	68,835	4,317,331
		159,499,712
Utilities – 2.7%		
Electric utilities – 1.7%		
Alliant Energy Corp.	52,719	2,716,610
American Electric Power Company, Inc.	103,212	8,594,463
Duke Energy Corp.	153,308	14,036,880
Edison International	77,804	4,887,647
Entergy Corp.	40,990	4,092,442
Eversource Energy	47,901	2,658,985
Exelon Corp.	70,847	6,128,974
FirstEnergy Corp.	202,740	8,559,683
NextEra Energy, Inc.	114,481	3,504,263
NextEra Energy, Inc.	408,117	31,486,227
NRG Energy, Inc.	51,556	1,935,928
Pinnacle West Capital Corp.	23,769	1,900,332
PPL Corp.	157,606	4,444,489

The accompanying notes are an integral part of the financial statements.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

500 Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
The Southern Company	219,931	\$ 13,510,361
Xcel Energy, Inc.	108,965	7,264,697
		<u>115,721,981</u>
Gas utilities – 0.0%		
Atmos Energy Corp.	26,050	2,485,952
Independent power and renewable electricity producers – 0.1%		
The AES Corp.	140,460	3,300,810
Multi-utilities – 0.8%		
Ameren Corp.	52,178	4,073,015
CenterPoint Energy, Inc.	115,054	2,489,769
CMS Energy Corp.	60,456	3,688,421
Consolidated Edison, Inc.	70,638	5,105,008
Dominion Energy, Inc.	169,834	12,771,517
DTE Energy Company	40,684	4,939,444
NiSource, Inc.	80,885	1,855,502
Public Service Enterprise Group, Inc.	104,537	6,094,507
Sempra Energy	60,050	7,650,971
WEC Energy Group, Inc.	65,208	6,001,092
		<u>54,669,246</u>
Water utilities – 0.1%		
American Water Works Company, Inc.	37,404	5,740,392
		<u>181,918,381</u>
TOTAL COMMON STOCKS (Cost \$2,761,064,992)		\$ 6,589,629,796
SHORT-TERM INVESTMENTS – 3.7%		
U.S. Government Agency – 3.2%		
Federal Home Loan Bank Discount Note		
0.040%, 02/19/2021 *	\$ 50,000,000	49,994,889
0.065%, 01/08/2021 *	35,000,000	34,999,728
0.071%, 02/03/2021 *	75,000,000	74,995,000

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
S&P 500 Index E-Mini Futures	1,231	Long	Mar 2021	\$225,487,263	\$230,738,640	\$5,251,377
						<u>\$5,251,377</u>

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

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

American Asset Allocation Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Asset Allocation Fund - Class 1	53,267,195	\$ 1,411,580,655
TOTAL INVESTMENT COMPANIES (Cost \$1,010,129,113)		\$ 1,411,580,655
Total Investments (American Asset Allocation Trust) (Cost \$1,010,129,113) - 100.0%		\$ 1,411,580,655
Other assets and liabilities, net - 0.0%		16,595
TOTAL NET ASSETS - 100.0%		\$ 1,411,597,250

500 Index Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan Bank		
Discount Note (continued)		
0.075%, 01/20/2021 *	\$ 35,000,000	\$ 34,998,911
0.090%, 01/06/2021 *	25,000,000	24,999,903
		<u>219,988,431</u>
Short-term funds – 0.1%		
John Hancock Collateral Trust,		
0.1386% (C)(D)	535,630	5,359,566
Repurchase agreement – 0.4%		
Repurchase Agreement with State Street		
Corp. dated 12-31-20 at 0.000% to be		
repurchased at \$24,495,000 on 1-4-21,		
collateralized by \$25,014,000		
U.S. Treasury Bills, 0.000% due		
12-30-21 (valued at \$24,984,909)	\$ 24,495,000	24,495,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$249,845,319)		\$ 249,842,997
Total Investments (500 Index Trust)		\$ 6,839,472,793
(Cost \$3,010,910,311) – 100.2%		(14,280,172)
Other assets and liabilities, net – (0.2%)		
TOTAL NET ASSETS – 100.0%		\$ 6,825,192,621

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 12-31-20.
 (C) The rate shown is the annualized seven-day yield as of 12-31-20.
 (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.

American Global Growth Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Global Growth Fund - Class 1	5,897,455	\$ 242,739,230
TOTAL INVESTMENT COMPANIES (Cost \$161,461,913)		\$ 242,739,230
Total Investments (American Global Growth Trust) (Cost \$161,461,913) - 100.0%		\$ 242,739,230
Other assets and liabilities, net - (0.0%)		(4,392)
TOTAL NET ASSETS - 100.0%		\$ 242,734,838

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

American Growth Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American Growth Fund - Class 1	8,704,987	\$ 1,046,426,467
TOTAL INVESTMENT COMPANIES (Cost \$615,685,387)		\$ 1,046,426,467
Total Investments (American Growth Trust) (Cost \$615,685,387) - 100.0%		\$ 1,046,426,467
Other assets and liabilities, net - 0.0%		11,900
TOTAL NET ASSETS - 100.0%		\$ 1,046,438,367

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	18,674,657	\$ 1,034,202,484
TOTAL INVESTMENT COMPANIES (Cost \$866,722,867)		\$ 1,034,202,484
Total Investments (American Growth-Income Trust) (Cost \$866,722,867) - 100.0%		\$ 1,034,202,484
Other assets and liabilities, net - 0.0%		3,644
TOTAL NET ASSETS - 100.0%		\$ 1,034,206,128

American International Trust

	Shares or Principal Amount	Value
INVESTMENT COMPANIES - 100.0%		
American Funds Insurance Series - 100.0%		
American International Fund - Class 1	22,187,454	\$ 524,511,406
TOTAL INVESTMENT COMPANIES (Cost \$414,929,212)		\$ 524,511,406
Total Investments (American International Trust) (Cost \$414,929,212) - 100.0%		\$ 524,511,406
Other assets and liabilities, net - 0.0%		4,072
TOTAL NET ASSETS - 100.0%		\$ 524,515,478

Blue Chip Growth Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 99.7%		
Communication services - 21.9%		
Entertainment - 4.4%		
Netflix, Inc. (A)	100,792	\$ 54,501,258
Roku, Inc. (A)	1,900	630,838
Sea, Ltd., ADR (A)	158,414	31,532,307
Spotify Technology SA (A)	46,233	14,547,676
The Walt Disney Company (A)	17,330	3,139,849
		104,351,928
Interactive media and services - 17.4%		
Alphabet, Inc., Class A (A)	15,868	27,810,892
Alphabet, Inc., Class C (A)	71,738	125,676,367
Facebook, Inc., Class A (A)	550,125	150,272,145
Match Group, Inc. (A)	160,024	24,194,029
Snap, Inc., Class A (A)	415,300	20,794,071
Tencent Holdings, Ltd.	831,700	59,843,950
		408,591,454
Media - 0.0%		
Charter Communications, Inc., Class A (A)	400	264,620
Wireless telecommunication services - 0.1%		
T-Mobile US, Inc. (A)	10,100	1,361,985
		514,569,987
Consumer discretionary - 21.3%		

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Auto components - 0.0%		
Aptiv PLC	10,328	\$ 1,345,635
Hotels, restaurants and leisure - 1.3%		
Airbnb, Inc., Class A (A)	10,488	1,539,638
Chipotle Mexican Grill, Inc. (A)	10,756	14,915,453
Domino's Pizza, Inc.	4,845	1,857,864
Hilton Worldwide Holdings, Inc.	4,907	545,953
Marriott International, Inc., Class A	12,406	1,636,600
McDonald's Corp.	1,256	269,512
Starbucks Corp.	18,135	1,940,082
Yum! Brands, Inc.	66,420	7,210,555
		29,915,657
Internet and direct marketing retail - 15.9%		
Alibaba Group Holding, Ltd., ADR (A)	309,330	71,990,371
Amazon.com, Inc. (A)	82,345	268,191,898
Booking Holdings, Inc. (A)	8,875	19,767,021
DoorDash, Inc., Class A (A)	8,499	1,213,232
Etsy, Inc. (A)	29,300	5,212,763
JD.com, Inc., ADR (A)	21,924	1,927,120
Pinduoduo, Inc., ADR (A)	31,639	5,621,301
		373,923,706
Multiline retail - 1.2%		
Dollar General Corp.	127,992	26,916,718
Dollar Tree, Inc. (A)	3,399	367,228
		27,283,946
Specialty retail - 1.2%		
Carvana Company (A)	28,900	6,922,706
Ross Stores, Inc.	143,424	17,613,901
The TJX Companies, Inc.	64,117	4,378,550
		28,915,157
Textiles, apparel and luxury goods - 1.7%		
Lululemon Athletica, Inc. (A)	47,001	16,357,758
NIKE, Inc., Class B	156,549	22,146,987
VF Corp.	25,700	2,195,037
		40,699,782
		502,083,883
Financials - 3.2%		
Capital markets - 2.7%		
Intercontinental Exchange, Inc.	81,677	9,416,541
Morgan Stanley	120,356	8,247,997
MSCI, Inc.	1,100	491,183
S&P Global, Inc.	42,363	13,925,989
State Street Corp.	3,748	272,779
The Charles Schwab Corp.	216,028	11,458,125
The Goldman Sachs Group, Inc.	80,439	21,212,569
		65,025,183
Insurance - 0.5%		
Chubb, Ltd.	30,564	4,704,411
Marsh & McLennan Companies, Inc.	19,531	2,285,127
Willis Towers Watson PLC	19,873	4,186,844
		11,176,382
		76,201,565
Health care - 11.9%		
Biotechnology - 1.4%		
AbbVie, Inc.	2,156	231,015
Exact Sciences Corp. (A)	2,814	372,827
Incyte Corp. (A)	96,667	8,408,096
Seagen, Inc. (A)	2,030	355,534
Vertex Pharmaceuticals, Inc. (A)	103,839	24,541,309
		33,908,781
Health care equipment and supplies - 4.1%		
Align Technology, Inc. (A)	2,792	1,491,989

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Becton, Dickinson and Company	1,337	\$ 334,544
Danaher Corp.	115,084	25,564,760
Intuitive Surgical, Inc. (A)	43,800	35,832,780
Stryker Corp.	130,969	32,092,644
		95,316,717
Health care providers and services – 4.7%		
Anthem, Inc.	37,263	11,964,777
Centene Corp. (A)	154,649	9,283,579
Cigna Corp.	135,446	28,197,148
HCA Healthcare, Inc.	64,211	10,560,141
Humana, Inc.	13,301	5,457,001
UnitedHealth Group, Inc.	131,907	46,257,147
		111,719,793
Health care technology – 0.3%		
Veeva Systems, Inc., Class A (A)	23,127	6,296,326
Life sciences tools and services – 1.0%		
Agilent Technologies, Inc.	1,657	196,338
PPD, Inc. (A)	48,436	1,657,480
Thermo Fisher Scientific, Inc.	48,541	22,609,427
		24,463,245
Pharmaceuticals – 0.4%		
Zoetis, Inc.	52,617	8,708,114
		280,412,976
Industrials – 2.7%		
Airlines – 0.0%		
United Airlines Holdings, Inc. (A)	1,113	48,137
Commercial services and supplies – 0.4%		
Cintas Corp.	24,367	8,612,760
Industrial conglomerates – 0.7%		
General Electric Company	365,600	3,948,480
Honeywell International, Inc.	7,755	1,649,489
Roper Technologies, Inc.	27,718	11,948,953
		17,546,922
Machinery – 0.3%		
Fortive Corp.	77,556	5,492,516
Parker-Hannifin Corp.	6,500	1,770,665
		7,263,181
Professional services – 0.8%		
Clarivate PLC (A)	37,287	1,107,797
CoStar Group, Inc. (A)	16,025	14,811,587
Equifax, Inc.	10,810	2,084,600
		18,003,984
Road and rail – 0.5%		
Canadian Pacific Railway, Ltd.	840	291,220
Kansas City Southern	1,062	216,786
Norfolk Southern Corp.	22,251	5,287,060
Union Pacific Corp.	26,580	5,534,488
		11,329,554
		62,804,538
Information technology – 38.2%		
Electronic equipment, instruments and components – 0.2%		
TE Connectivity, Ltd.	39,200	4,745,944
IT services – 13.5%		
Fidelity National Information Services, Inc.	172,220	24,362,241
Fiserv, Inc. (A)	221,677	25,240,143
Global Payments, Inc.	231,985	49,974,209
Mastercard, Inc., Class A	155,214	55,402,085
MongoDB, Inc. (A)	5,100	1,831,104
PayPal Holdings, Inc. (A)	278,408	65,203,154
Shopify, Inc., Class A (A)	7,918	8,962,780

Blue Chip Growth Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Snowflake, Inc., Class A (A)(B)	3,125	\$ 879,375
Square, Inc., Class A (A)	9,853	2,144,407
Twilio, Inc., Class A (A)	7,492	2,536,042
Visa, Inc., Class A	333,088	72,856,338
Wix.com, Ltd. (A)	39,168	9,790,433
		319,182,311
Semiconductors and semiconductor equipment – 4.7%		
Advanced Micro Devices, Inc. (A)	255,757	23,455,474
Applied Materials, Inc.	51,586	4,451,872
KLA Corp.	996	257,874
Lam Research Corp.	1,677	791,997
Marvell Technology Group, Ltd.	393,063	18,686,215
Maxim Integrated Products, Inc.	84,403	7,482,326
Monolithic Power Systems, Inc.	12,752	4,670,165
NVIDIA Corp.	64,857	33,868,325
QUALCOMM, Inc.	69,920	10,651,613
Texas Instruments, Inc.	36,740	6,030,136
		110,345,997
Software – 14.8%		
Adobe, Inc. (A)	500	250,060
Atlassian Corp. PLC, Class A (A)	21,270	4,974,415
Coupa Software, Inc. (A)	6,078	2,059,895
CrowdStrike Holdings, Inc., Class A (A)	9,700	2,054,654
DocuSign, Inc. (A)	34,723	7,718,923
Intuit, Inc.	130,909	49,725,784
Microsoft Corp.	552,128	122,804,310
Paycom Software, Inc. (A)	14,958	6,764,756
RingCentral, Inc., Class A (A)	3,900	1,477,983
salesforce.com, Inc. (A)	209,582	46,638,282
ServiceNow, Inc. (A)	107,354	59,090,862
Splunk, Inc. (A)	78,368	13,313,940
Synopsys, Inc. (A)	70,982	18,401,374
Workday, Inc., Class A (A)	39,710	9,514,913
Zoom Video Communications, Inc., Class A (A)	11,443	3,859,953
		348,650,104
Technology hardware, storage and peripherals – 5.0%		
Apple, Inc.	885,248	117,463,557
		900,387,913
Materials – 0.5%		
Chemicals – 0.5%		
Linde PLC	29,279	7,715,309
PPG Industries, Inc.	12,300	1,773,906
The Sherwin-Williams Company	3,162	2,323,785
		11,813,000
TOTAL COMMON STOCKS (Cost \$1,257,983,656)		\$ 2,348,273,862
SHORT-TERM INVESTMENTS – 0.4%		
Short-term funds – 0.4%		
John Hancock Collateral Trust, 0.1386% (C)(D)	67,555	675,961
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (C)	500,013	500,013
T. Rowe Price Government Reserve Fund, 0.0753% (C)	8,417,930	8,417,930
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,593,915)		\$ 9,593,904
Total Investments (Blue Chip Growth Trust) (Cost \$1,267,577,571) – 100.1%		\$ 2,357,867,766
Other assets and liabilities, net – (0.1%)		(1,442,955)
TOTAL NET ASSETS – 100.0%		\$ 2,356,424,811

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Blue Chip Growth Trust (continued)

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(C)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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 – 99.2%		
Communication services – 14.6%		
Entertainment – 4.6%		
Netflix, Inc. (A)	43,515	\$ 23,529,866
Spotify Technology SA (A)	34,271	10,783,713
		34,313,579
Interactive media and services – 10.0%		
Alphabet, Inc., Class A (A)	7,370	12,916,957
Alphabet, Inc., Class C (A)	7,343	12,864,055
Facebook, Inc., Class A (A)	109,425	29,890,533
Match Group, Inc. (A)	112,031	16,937,967
Tencent Holdings, Ltd.	28,491	2,050,035
		74,659,547
		108,973,126
Consumer discretionary – 27.2%		
Automobiles – 6.5%		
Tesla, Inc. (A)	68,078	48,040,602
Hotels, restaurants and leisure – 1.3%		
Airbnb, Inc., Class A (A)	3,482	511,158
Chipotle Mexican Grill, Inc. (A)	6,658	9,232,715
		9,743,873
Internet and direct marketing retail – 8.3%		
Amazon.com, Inc. (A)	17,712	57,686,744
Farfetch, Ltd., Class A (A)	57,820	3,689,494
		61,376,238
Leisure products – 1.3%		
Peloton Interactive, Inc., Class A (A)	65,885	9,996,072
Multiline retail – 0.1%		
Target Corp.	6,029	1,064,299
Specialty retail – 3.4%		
Carvana Company (A)	37,684	9,026,825
The Home Depot, Inc.	32,774	8,705,430
The TJX Companies, Inc.	109,020	7,444,976
		25,177,231
Textiles, apparel and luxury goods – 6.3%		
Kering SA	10,339	7,503,358
Lululemon Athletica, Inc. (A)	35,156	12,235,343
LVMH Moet Hennessy Louis Vuitton SE	17,055	10,676,447
NIKE, Inc., Class B	115,712	16,369,777
		46,784,925
		202,183,240
Consumer staples – 2.8%		
Food and staples retailing – 1.3%		
Costco Wholesale Corp.	26,049	9,814,742
Personal products – 1.5%		
The Estee Lauder Companies, Inc., Class A	42,075	11,199,944
		21,014,686
Financials – 0.9%		
Capital markets – 0.9%		
S&P Global, Inc.	20,113	6,611,746

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care – 4.4%		
Biotechnology – 1.1%		
Sarepta Therapeutics, Inc. (A)	12,903	\$ 2,199,832
Vertex Pharmaceuticals, Inc. (A)	23,385	5,526,811
		7,726,643
Health care equipment and supplies – 1.7%		
Danaher Corp.	17,033	3,783,711
DexCom, Inc. (A)	13,563	5,014,512
Intuitive Surgical, Inc. (A)	4,756	3,890,884
		12,689,107
Health care providers and services – 0.8%		
Guardant Health, Inc. (A)	19,798	2,551,566
Humana, Inc.	8,223	3,373,650
		5,925,216
Health care technology – 0.8%		
Teladoc Health, Inc. (A)(B)	31,014	6,201,559
		32,542,525
Industrials – 4.1%		
Aerospace and defense – 1.0%		
Safran SA (A)	50,892	7,213,114
Road and rail – 3.1%		
Uber Technologies, Inc. (A)	285,092	14,539,692
Union Pacific Corp.	42,988	8,950,961
		23,490,653
		30,703,767
Information technology – 45.2%		
IT services – 17.6%		
Adyen NV (A)(C)	7,655	17,786,705
Mastercard, Inc., Class A	35,790	12,774,883
PayPal Holdings, Inc. (A)	87,606	20,517,325
Shopify, Inc., Class A (A)	24,164	27,352,440
Snowflake, Inc., Class A (A)(B)	18,609	5,236,573
Square, Inc., Class A (A)	59,256	12,896,476
Twilio, Inc., Class A (A)	43,250	14,640,125
Visa, Inc., Class A	91,014	19,907,492
		131,112,019
Semiconductors and semiconductor equipment – 4.1%		
NVIDIA Corp.	41,217	21,523,517
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	83,015	9,051,956
		30,575,473
Software – 16.3%		
Adobe, Inc. (A)	37,996	19,002,560
Atlassian Corp. PLC, Class A (A)	32,951	7,706,250
Coupa Software, Inc. (A)	22,629	7,669,194
CrowdStrike Holdings, Inc., Class A (A)	44,910	9,512,836
Microsoft Corp.	127,433	28,343,648
RingCentral, Inc., Class A (A)	11,806	4,474,120
salesforce.com, Inc. (A)	63,664	14,167,150
ServiceNow, Inc. (A)	9,497	5,227,434
Splunk, Inc. (A)	30,192	5,129,319
The Trade Desk, Inc., Class A (A)	10,020	8,026,020
Workday, Inc., Class A (A)	36,370	8,714,616
Zoom Video Communications, Inc., Class A (A)	8,618	2,907,024
		120,880,171
Technology hardware, storage and peripherals – 7.2%		
Apple, Inc.	401,087	53,220,234
		335,787,897
TOTAL COMMON STOCKS (Cost \$445,989,036)		\$ 737,816,987

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 1.6%		
Short-term funds – 1.6%		
John Hancock Collateral Trust, 0.1386% (D)(E)	1,146,759	\$ 11,474,585
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (D)	108	108
TOTAL SHORT-TERM INVESTMENTS (Cost \$11,475,639)		\$ 11,474,693
Total Investments (Capital Appreciation Trust) (Cost \$457,464,675) – 100.8%		\$ 749,291,680
Other assets and liabilities, net – (0.8%)		(5,650,840)
TOTAL NET ASSETS – 100.0%		\$ 743,640,840

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(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 12-31-20.
(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 – 67.5%		
Communication services – 4.5%		
Interactive media and services – 4.5%		
Alphabet, Inc., Class A (A)	651	\$ 1,140,969
Alphabet, Inc., Class C (A)(B)	8,672	15,192,303
Facebook, Inc., Class A (A)	13,890	3,794,192
		20,127,464
Consumer discretionary – 8.0%		
Hotels, restaurants and leisure – 3.6%		
Hilton Worldwide Holdings, Inc. (B)	29,022	3,228,988
Marriott International, Inc., Class A	31,313	4,130,811
Yum! Brands, Inc. (B)	83,556	9,070,839
		16,430,638
Internet and direct marketing retail – 3.7%		
Amazon.com, Inc. (A)(B)	5,114	16,655,940
Specialty retail – 0.7%		
Ross Stores, Inc.	25,505	3,132,269
		36,218,847
Consumer staples – 1.6%		
Beverages – 1.6%		
Keurig Dr. Pepper, Inc.	224,324	7,178,368
Financials – 10.8%		
Banks – 5.7%		
Bank of America Corp. (B)	326,003	9,881,151
Huntington Bancshares, Inc.	42,430	535,891
The PNC Financial Services Group, Inc.	102,526	15,276,374
		25,693,416
Capital markets – 1.5%		
CME Group, Inc.	13,458	2,450,029
Intercontinental Exchange, Inc.	38,454	4,433,362
		6,883,391

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance – 3.6%		
Arthur J. Gallagher & Company	20,021	\$ 2,476,798
Marsh & McLennan Companies, Inc.	115,939	13,564,863
		16,041,661
		48,618,468
Health care – 9.9%		
Health care equipment and supplies – 3.3%		
Becton, Dickinson and Company (B)	5,900	1,476,298
Boston Scientific Corp. (A)	40,126	1,442,530
Danaher Corp. (B)	35,599	7,907,962
Envista Holdings Corp. (A)	119,305	4,024,158
		14,850,948
Health care providers and services – 4.7%		
Humana, Inc. (B)	28,864	11,842,033
UnitedHealth Group, Inc.	26,584	9,322,477
		21,164,510
Life sciences tools and services – 1.9%		
PerkinElmer, Inc.	19,043	2,732,671
Thermo Fisher Scientific, Inc.	12,229	5,696,024
		8,428,695
		44,444,153
Industrials – 6.4%		
Aerospace and defense – 0.4%		
Teledyne Technologies, Inc. (A)	4,476	1,754,502
Commercial services and supplies – 0.6%		
Waste Connections, Inc.	26,098	2,676,872
Industrial conglomerates – 4.4%		
General Electric Company	1,484,167	16,029,004
Roper Technologies, Inc. (B)	8,564	3,691,855
		19,720,859
Machinery – 1.0%		
Ingersoll Rand, Inc. (A)	97,075	4,422,737
		28,574,970
Information technology – 18.2%		
Electronic equipment, instruments and components – 1.4%		
TE Connectivity, Ltd.	53,122	6,431,481
IT services – 9.0%		
Fiserv, Inc. (A)	116,996	13,321,165
Global Payments, Inc.	52,336	11,274,221
Mastercard, Inc., Class A (B)	9,555	3,410,562
Visa, Inc., Class A (B)	56,486	12,355,170
		40,361,118
Semiconductors and semiconductor equipment – 1.8%		
NXP Semiconductors NV (B)	50,964	8,103,786
Software – 6.0%		
Microsoft Corp. (B)	105,861	23,545,604
salesforce.com, Inc. (A)	14,700	3,271,191
		26,816,795
		81,713,180
Utilities – 8.1%		
Electric utilities – 4.1%		
American Electric Power Company, Inc.	157,984	13,155,328
Exelon Corp.	129,236	5,456,344
		18,611,672
Multi-utilities – 4.0%		
Ameren Corp.	91,679	7,156,463
NiSource, Inc.	223,370	5,124,108

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Multi-utilities (continued)		
Public Service Enterprise Group, Inc.	97,911	\$ 5,708,211
		17,988,782
		36,600,454
TOTAL COMMON STOCKS (Cost \$231,323,699)		\$ 303,475,904
PREFERRED SECURITIES – 2.1%		
Financials – 0.0%		
Capital markets – 0.0%		
The Charles Schwab Corp., 5.950%	1,000	26,040
Health care – 0.8%		
Health care equipment and supplies – 0.3%		
Boston Scientific Corp., 5.500%	12,465	1,365,790
Life sciences tools and services – 0.5%		
Avantor, Inc., 6.250%	24,234	2,154,645
		3,520,435
Utilities – 1.3%		
Electric utilities – 0.5%		
Alabama Power Company, 5.000% (C)	5,601	156,548
American Electric Power Company, Inc., 6.125%	12,402	621,340
Duke Energy Corp., 5.625%	21,544	619,821
SCE Trust III (5.750% to 3-15-24, then 3 month LIBOR + 2.990%)	657	16,097
SCE Trust IV (5.375% to 9-15-25, then 3 month LIBOR + 3.132%)	27,553	667,334
		2,081,140
Multi-utilities – 0.8%		
CMS Energy Corp., 5.875%	41,200	1,170,080
CMS Energy Corp., 5.875%	50,000	1,395,500
DTE Energy Company, 5.250%	24,337	661,966
NiSource, Inc. (6.500% to 3-15-24, then 5 Year CMT + 3.632%)	20,000	569,800
		3,797,346
		5,878,486
TOTAL PREFERRED SECURITIES (Cost \$7,888,441)		\$ 9,424,961
CORPORATE BONDS - 8.0%		
Communication services - 2.8%		
CCO Holdings LLC		
4.000%, 03/01/2023 (D)	\$ 416,000	418,600
5.000%, 02/01/2028 (D)	2,095,000	2,215,463
5.125%, 05/01/2027 (D)	1,341,000	1,423,056
Netflix, Inc.		
4.375%, 11/15/2026	1,260,000	1,397,025
4.875%, 04/15/2028	1,680,000	1,894,536
5.500%, 02/15/2022	45,000	47,081
5.875%, 02/15/2025 to 11/15/2028	2,755,000	3,283,016
6.375%, 05/15/2029	1,165,000	1,438,775
Sirius XM Radio, Inc.		
3.875%, 08/01/2022 (D)	45,000	45,675
T-Mobile USA, Inc.		
6.000%, 03/01/2023	165,000	165,206
6.500%, 01/15/2026	80,000	82,800
		12,411,233
Consumer discretionary - 2.1%		
Cedar Fair LP		
5.250%, 07/15/2029	384,000	395,347
5.375%, 06/01/2024 to 04/15/2027	1,356,000	1,372,310
5.500%, 05/01/2025 (D)	35,000	36,488
6.500%, 10/01/2028 (D)	345,000	374,118

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
4.750%, 06/01/2027 (D)	\$ 1,442,000	\$ 1,522,766
5.250%, 06/01/2026 (D)	1,005,000	1,042,688
Marriott International, Inc. 3.125%, 06/15/2026	120,000	128,005
Marriott International, Inc. (3 month LIBOR + 0.650%)		
0.876%, 03/08/2021 (E)	135,000	135,051
Six Flags Entertainment Corp. 4.875%, 07/31/2024 (D)	864,000	866,497
5.500%, 04/15/2027 (D)	511,000	525,053
Six Flags Theme Parks, Inc. 7.000%, 07/01/2025 (D)	314,000	339,120
Yum! Brands, Inc. 3.750%, 11/01/2021	950,000	959,500
3.875%, 11/01/2023	440,000	460,350
4.750%, 01/15/2030 (D)	2,000	2,193
5.350%, 11/01/2043	579,000	654,270
6.875%, 11/15/2037	367,000	471,595
		9,285,351
Financials - 0.7%		
AmWINS Group, Inc. 7.750%, 07/01/2026 (D)	30,000	32,217
HUB International, Ltd. 7.000%, 05/01/2026 (D)	225,000	235,303
Refinitiv US Holdings, Inc. 6.250%, 05/15/2026 (D)	550,000	587,125
8.250%, 11/15/2026 (D)	610,000	665,663
State Street Corp. (3 month LIBOR + 3.597%)		
3.814%, 03/15/2021 (E)(F)	435,000	432,825
The Bank of New York Mellon Corp. (3 month LIBOR + 3.420%)		
3.659%, 03/20/2021 (E)(F)	450,000	450,464
The PNC Financial Services Group, Inc. (5.000% to 11-1-26, then 3 month LIBOR + 3.300%)		
11/01/2026 (F)	390,000	426,075
USI, Inc. 6.875%, 05/01/2025 (D)	154,000	157,850
		2,987,522
Health care - 0.2%		
Elanco Animal Health, Inc. 4.912%, 08/27/2021	416,000	425,360
Teleflex, Inc. 4.625%, 11/15/2027	285,000	306,292
4.875%, 06/01/2026	331,000	344,667
		1,076,319
Industrials - 1.4%		
Continental Airlines 2012-1 Class A Pass Through Trust 4.150%, 04/11/2024	157,715	157,080
Delta Air Lines, Inc. 4.500%, 10/20/2025 (D)	700,000	748,087
4.750%, 10/20/2028 (D)	390,000	425,532
General Electric Company (5.000% to 3-15-21, then 3 month LIBOR + 3.330%)		
03/15/2021 (F)	2,990,000	2,772,507
Korn Ferry 4.625%, 12/15/2027 (D)	90,000	93,600

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Lennox International, Inc. 3.000%, 11/15/2023	\$ 90,000	\$ 94,853
Mileage Plus Holdings LLC 6.500%, 06/20/2027 (D)	280,000	301,000
Sensata Technologies BV 4.875%, 10/15/2023 (D)	110,000	118,663
5.000%, 10/01/2025 (D)	325,000	361,563
5.625%, 11/01/2024 (D)	90,000	100,579
Sensata Technologies UK Financing Company PLC 6.250%, 02/15/2026 (D)	200,000	207,875
US Airways 2010-1 Class A Pass Through Trust 6.250%, 04/22/2023	98,605	92,740
US Airways 2012-2 Class A Pass Through Trust 4.625%, 06/03/2025	13,156	11,846
US Airways 2012-2 Class B Pass Through Trust 6.750%, 06/03/2021	46,940	45,532
US Airways 2013-1 Class A Pass Through Trust 3.950%, 11/15/2025	145,145	132,888
US Airways 2013-1 Class B Pass Through Trust 5.375%, 11/15/2021	50,546	47,294
Welbilt, Inc. 9.500%, 02/15/2024	362,000	374,141
Xylem, Inc. 4.875%, 10/01/2021	60,000	61,938
		6,147,718
Information technology - 0.5%		
Solera LLC 10.500%, 03/01/2024 (D)	2,180,000	2,259,025
Materials - 0.0%		
Reynolds Group Issuer, Inc. 5.125%, 07/15/2023 (D)	17,000	17,209
Real estate - 0.2%		
SBA Communications Corp. 3.875%, 02/15/2027	195,000	204,750
4.000%, 10/01/2022	550,000	555,500
4.875%, 09/01/2024	335,000	343,620
		1,103,870
Utilities - 0.1%		
NiSource, Inc. (5.650% to 6-15-23, then 5 Year CMT + 2.843%) 06/15/2023 (C)(F)	575,000	590,813
TOTAL CORPORATE BONDS (Cost \$33,243,961)		\$ 35,879,060
CONVERTIBLE BONDS - 0.0%		
Communication services - 0.0%		
Liberty Broadband Corp. 2.750%, 09/30/2050 (D)	191,000	204,325
TOTAL CONVERTIBLE BONDS (Cost \$191,000)		\$ 204,325
TERM LOANS (G) - 8.0%		
Communication services - 0.2%		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%) 3.500%, 02/01/2024	630,000	622,352
Eagle Broadband Investments LLC, Term Loan (3 month LIBOR + 3.000%) 3.750%, 11/12/2027	130,000	129,757
		752,109

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G)(continued)		
Consumer discretionary - 0.4%		
Four Seasons Hotels, Ltd., New 1st Lien Term Loan (1 month LIBOR + 2.000%) 2.147%, 11/30/2023	\$ 520,930	\$ 516,742
IRB Holding Corp., 2020 4th Amendment Incremental Term Loan 4.250%, 12/15/2027	385,000	385,119
Life Time, Inc., 2017 Term Loan B (3 month LIBOR + 2.750%) 3.750%, 06/10/2022	671,083	651,286
SeaWorld Parks & Entertainment, Inc., Term Loan B5 (1 month LIBOR + 3.000%) 3.750%, 03/31/2024	229,404	222,522
		1,775,669
Consumer staples - 0.3%		
Prestige Brands, Inc., Term Loan B4 (1 month LIBOR + 2.000%) 2.147%, 01/26/2024	22,657	22,666
Sunshine Luxembourg VII Sarl, USD Term Loan B1 (3 month LIBOR + 4.000%) 5.000%, 10/01/2026	971,441	973,267
Woof Holdings, Inc., 1st Lien Term Loan (12 month LIBOR + 3.750%) 4.500%, 12/16/2027	170,000	169,646
		1,165,579
Financials - 4.1%		
Alliant Holdings Intermediate LLC, 2020 Term Loan B3 (1 month LIBOR + 3.750%) 4.250%, 10/08/2027	498,365	498,056
Alliant Holdings Intermediate LLC, 2018 Term Loan B (1 month LIBOR + 3.250%) 3.397%, 05/09/2025	370,520	364,343
Alliant Holdings Intermediate LLC, Term Loan B (1 month LIBOR + 3.250%) 3.397%, 05/09/2025	179,091	175,891
AmWINS Group, Inc., 2017 Term Loan B (1 month LIBOR + 2.750%) 3.750%, 01/25/2024	208,026	207,600
Azalea Topco, Inc., Term Loan (3 month LIBOR + 3.500%) 3.714%, 07/24/2026	717,426	707,562
HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 2.750%) 2.965%, 04/25/2025	5,125,527	5,027,835
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 5.000%, 04/25/2025	1,711,677	1,714,347
Hyperion Refinance Sarl, 2020 Delayed Draw Term Loan TBD 11/12/2027 (H)	245,833	245,116
Hyperion Refinance Sarl, 2020 Incremental Term Loan B (1 month LIBOR + 3.750%) 4.750%, 11/12/2027	203,656	203,062
Refinitiv US Holdings, Inc., 2018 USD Term Loan (1 month LIBOR + 3.250%) 3.397%, 10/01/2025	8,234,926	8,217,797
Ryan Specialty Group LLC, Term Loan (1 month LIBOR + 3.250%) 4.000%, 09/01/2027	239,400	238,502

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G)(continued)		
Financials (continued)		
USI, Inc., 2017 Repriced Term Loan (3 month LIBOR + 3.000%) 3.254%, 05/16/2024	\$ 767,897	\$ 756,218
USI, Inc., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 4.254%, 12/02/2026	179,095	178,537
		18,534,866
Health care – 0.8%		
ADMI Corp., 2020 Incremental Term Loan TBD 12/15/2027 (H)	410,000	409,898
CPI Holdco LLC, 2019 Term Loan (1 month LIBOR + 4.250%) 4.397%, 11/04/2026	99,250	99,250
Dentalcorp Health Services ULC, 1st Lien Term Loan (1 month LIBOR + 3.750%) 4.750%, 06/06/2025	134,655	132,130
Dino Grandparent, Inc., 2019 Term Loan A3 (1 month LIBOR + 2.250%) 2.438%, 02/20/2023	850,000	833,000
Heartland Dental LLC, 2018 1st Lien Term Loan (1 month LIBOR + 3.500%) 3.647%, 04/30/2025	588,492	573,227
Heartland Dental LLC, Incremental Term Loan (1 month LIBOR + 4.500%) 4.647%, 04/30/2025	84,784	82,771
Loire Finco Luxembourg Sarl, Term Loan (1 month LIBOR + 3.500%) 3.647%, 04/21/2027	1,159,182	1,135,999
PetVet Care Centers LLC, 2018 1st Lien Term Loan (1 month LIBOR + 2.750%) 2.897%, 02/14/2025	84,565	82,557
PetVet Care Centers LLC, 2018 Incremental Term Loan (1 month LIBOR + 3.250%) 3.397%, 02/14/2025	49,746	49,031
PetVet Care Centers LLC, Delayed Draw Term Loan (1 month LIBOR + 4.250%) 5.250%, 02/14/2025	153,426	153,618
		3,551,481
Industrials – 1.0%		
Camelot Finance SA, 2020 Incremental Term Loan B (1 month LIBOR + 3.000%) 4.000%, 10/30/2026	505,000	504,525
Filtration Group Corp., 2018 1st Lien Term Loan (1 month LIBOR + 3.000%) 3.147%, 03/29/2025	94,244	93,142
Filtration Group Corp., 2020 Incremental Term Loan (1 month LIBOR + 3.750%) 4.500%, 03/29/2025	89,775	89,775
Filtration Group Corp., Term Loan TBD 03/29/2025 (H)	EUR 520,000	631,485
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 6.250%, 06/25/2027	\$ 1,610,000	1,673,402
SkyMiles IP, Ltd., 2020 SkyMiles Term Loan B (3 month LIBOR + 3.750%) 4.750%, 10/20/2027	865,000	895,569
Vertical US Newco, Inc., USD Term Loan B (6 month LIBOR + 4.250%) 4.570%, 07/30/2027	269,325	270,238

Capital Appreciation Value Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (G)(continued)		
Industrials (continued)		
Welbilt, Inc., 2018 Term Loan B (1 month LIBOR + 2.500%) 2.645%, 10/23/2025	\$ 175,000	\$ 165,375
		4,323,511
Information technology – 1.2%		
Applied Systems, Inc., 2017 1st Lien Term Loan (3 month LIBOR + 3.000%) 4.000%, 09/19/2024	189,023	188,787
Ascend Learning LLC, Term Loan TBD 07/12/2024 (H)	49,871	49,559
CCC Information Services, Inc., 2017 1st Lien Term Loan (1 month LIBOR + 3.000%) 4.000%, 04/29/2024	2,660,901	2,650,923
The Ultimate Software Group, Inc., 2020 Incremental Term Loan B (3 month LIBOR + 4.000%) 4.750%, 05/04/2026	2,564,282	2,575,642
The Ultimate Software Group, Inc., Term Loan B (1 month LIBOR + 3.750%) 3.897%, 05/04/2026	162,938	162,683
		5,627,594
Materials – 0.0%		
HB Fuller Company, 2017 Term Loan B (1 month LIBOR + 2.000%) 2.152%, 10/20/2024	140,672	139,565
TOTAL TERM LOANS (Cost \$35,732,238)		\$ 35,870,374
ASSET BACKED SECURITIES - 0.3%		
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (D)	504,400	540,364
Domino's Pizza Master Issuer LLC Series 2018-1A, Class A21 4.116%, 07/25/2048 (D)	478,975	502,962
Domino's Pizza Master Issuer LLC Series 2019-1A, Class A2 3.668%, 10/25/2049 (D)	212,850	226,091
Wendy's Funding LLC Series 2018-1A, Class A21 3.573%, 03/15/2048 (D)	323,010	332,972
TOTAL ASSET BACKED SECURITIES (Cost \$1,507,335)		\$ 1,602,389
SHORT-TERM INVESTMENTS – 15.6%		
Short-term funds – 14.9%		
John Hancock Collateral Trust, 0.1386% (I)(J)	14,067	140,752
T. Rowe Price Government Reserve Fund, 0.0753% (I)	66,589,909	66,589,909
		66,730,661
Repurchase agreement – 0.7%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$3,288,000 on 1-4-21, collateralized by \$3,357,700 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$3,353,795)	\$ 3,288,000	3,288,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$70,018,668)		\$ 70,018,661
Total Investments (Capital Appreciation Value Trust) (Cost \$379,905,342) – 101.5%		\$ 456,475,674
Other assets and liabilities, net – (1.5%)		(6,718,545)
TOTAL NET ASSETS – 100.0%		\$ 449,757,129

Currency Abbreviations

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

EUR Euro

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 12-31-20.
(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.

Capital Appreciation Value Trust (continued)

(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.
(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).
(I)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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	Currency	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	\$ (50,566)
CITI	Alphabet, Inc., Class C	USD	1,500.00	Jan 2021	2	200	15,094	(50,566)
CITI	Alphabet, Inc., Class C	USD	1,500.00	Jan 2021	2	200	14,774	(50,566)
CITI	Alphabet, Inc., Class C	USD	1,500.00	Jan 2021	1	100	6,377	(25,283)
GSI	Alphabet, Inc., Class C	USD	1,740.00	Jan 2021	1	100	4,717	(4,154)
GSI	Alphabet, Inc., Class C	USD	1,740.00	Jan 2021	1	100	4,687	(4,154)
GSI	Alphabet, Inc., Class C	USD	1,740.00	Jan 2021	1	100	4,427	(4,154)
GSI	Alphabet, Inc., Class C	USD	1,760.00	Jan 2021	1	100	4,247	(3,083)
GSI	Alphabet, Inc., Class C	USD	1,760.00	Jan 2021	1	100	4,227	(3,083)
GSI	Alphabet, Inc., Class C	USD	1,760.00	Jan 2021	1	100	3,997	(3,083)
GSI	Alphabet, Inc., Class C	USD	1,780.00	Jan 2021	1	100	3,827	(2,203)
GSI	Alphabet, Inc., Class C	USD	1,780.00	Jan 2021	1	100	3,827	(2,203)
GSI	Alphabet, Inc., Class C	USD	1,780.00	Jan 2021	1	100	3,587	(2,203)
GSI	Alphabet, Inc., Class C	USD	1,800.00	Jan 2021	1	100	3,447	(1,511)
GSI	Alphabet, Inc., Class C	USD	1,800.00	Jan 2021	1	100	3,437	(1,511)
GSI	Alphabet, Inc., Class C	USD	1,800.00	Jan 2021	1	100	3,217	(1,511)
GSI	Alphabet, Inc., Class C	USD	1,760.00	Jan 2022	5	500	50,362	(111,096)
GSI	Alphabet, Inc., Class C	USD	1,780.00	Jan 2022	5	500	47,406	(106,343)
GSI	Alphabet, Inc., Class C	USD	1,800.00	Jan 2022	4	400	35,760	(81,398)
CSFB	Amazon.com, Inc.	USD	3,800.00	Jan 2022	1	100	33,115	(27,479)
CSFB	Amazon.com, Inc.	USD	3,800.00	Jan 2022	1	100	34,542	(27,479)
CSFB	Amazon.com, Inc.	USD	3,900.00	Jan 2022	1	100	30,277	(24,763)
CSFB	Amazon.com, Inc.	USD	3,900.00	Jan 2022	1	100	38,338	(24,763)
RBC	Amazon.com, Inc.	USD	3,900.00	Jan 2022	1	100	23,997	(24,763)
CITI	Amazon.com, Inc.	USD	4,000.00	Jan 2022	1	100	27,327	(22,282)
CSFB	Amazon.com, Inc.	USD	4,000.00	Jan 2022	1	100	27,686	(22,282)
CSFB	Amazon.com, Inc.	USD	4,000.00	Jan 2022	1	100	35,706	(22,282)
RBC	Amazon.com, Inc.	USD	4,000.00	Jan 2022	1	100	21,797	(22,282)
CITI	Amazon.com, Inc.	USD	4,100.00	Jan 2022	1	100	25,167	(20,027)
RBC	Amazon.com, Inc.	USD	4,100.00	Jan 2022	1	100	19,697	(20,027)
CITI	Amazon.com, Inc.	USD	4,200.00	Jan 2022	1	100	23,127	(17,995)
RBC	Amazon.com, Inc.	USD	4,200.00	Jan 2022	1	100	17,827	(17,995)
CITI	Amazon.com, Inc.	USD	4,300.00	Jan 2022	2	200	42,614	(32,340)
CITI	American Electric Power Company, Inc.	USD	105.00	Jan 2021	56	5,600	8,792	—
CITI	American Electric Power Company, Inc.	USD	105.00	Jan 2021	55	5,500	8,635	—
CITI	American Electric Power Company, Inc.	USD	115.00	Jan 2021	33	3,300	5,825	—
JPM	American Electric Power Company, Inc.	USD	90.00	Jan 2022	63	6,300	22,934	(22,400)
JPM	American Electric Power Company, Inc.	USD	90.00	Jan 2022	11	1,100	3,946	(3,911)
JPM	American Electric Power Company, Inc.	USD	90.00	Jan 2022	7	700	2,418	(2,489)
JPM	American Electric Power Company, Inc.	USD	95.00	Jan 2022	63	6,300	13,893	(13,819)
JPM	American Electric Power Company, Inc.	USD	95.00	Jan 2022	22	2,200	4,975	(4,826)
JPM	American Electric Power Company, Inc.	USD	95.00	Jan 2022	14	1,400	2,930	(3,071)
CSFB	Bank of America Corp.	USD	30.00	Jan 2022	250	25,000	52,500	(99,875)
SFG	Bank of America Corp.	USD	30.00	Jan 2022	413	41,300	106,141	(164,994)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/

Exchange-traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)								
CSFB	Bank of America Corp.	USD	32.00	Jan 2022	129	12,900	\$ 31,631	\$ (40,412)
CSFB	Bank of America Corp.	USD	35.00	Jan 2022	259	25,900	40,559	(54,974)
GSI	Becton, Dickinson and Company	USD	260.00	Jan 2021	6	600	10,539	(685)
GSI	Becton, Dickinson and Company	USD	270.00	Jan 2021	6	600	8,434	(109)
GSI	Becton, Dickinson and Company	USD	280.00	Jan 2021	5	500	6,327	(10)
GSI	Becton, Dickinson and Company	USD	280.00	Jan 2021	5	500	6,927	(10)
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2021	4	400	3,743	—
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2021	10	1,000	9,138	—
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2021	1	100	999	—
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2021	12	1,200	14,557	—
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2021	5	500	3,364	—
GSI	Becton, Dickinson and Company	USD	300.00	Jan 2021	5	500	3,746	—
CSFB	Danaher Corp.	USD	250.00	Jan 2022	40	4,000	76,280	(68,251)
JPM	Facebook, Inc., Class A	USD	195.00	Jan 2021	12	1,200	13,453	(93,968)
JPM	Facebook, Inc., Class A	USD	200.00	Jan 2021	12	1,200	11,487	(88,032)
JPM	Facebook, Inc., Class A	USD	265.00	Jan 2021	11	1,100	11,022	(13,025)
JPM	Facebook, Inc., Class A	USD	265.00	Jan 2021	9	900	8,928	(10,657)
JPM	Facebook, Inc., Class A	USD	270.00	Jan 2021	11	1,100	9,757	(9,535)
JPM	Facebook, Inc., Class A	USD	270.00	Jan 2021	9	900	7,893	(7,802)
JPM	Facebook, Inc., Class A	USD	275.00	Jan 2021	11	1,100	8,602	(6,673)
JPM	Facebook, Inc., Class A	USD	275.00	Jan 2021	9	900	6,903	(5,459)
JPM	Facebook, Inc., Class A	USD	380.00	Jan 2022	4	400	7,756	(4,270)
JPM	Facebook, Inc., Class A	USD	400.00	Jan 2022	50	5,000	107,636	(40,450)
JPM	General Electric Company	USD	8.00	Jan 2021	340	34,000	41,174	(95,335)
JPM	General Electric Company	USD	8.00	Jan 2021	329	32,900	24,876	(92,250)
JPM	General Electric Company	USD	8.00	Jan 2021	387	38,700	28,638	(108,513)
JPM	General Electric Company	USD	9.00	Jan 2021	329	32,900	16,269	(59,779)
JPM	General Electric Company	USD	9.00	Jan 2021	387	38,700	18,576	(70,317)
JPM	General Electric Company	USD	15.00	Jan 2021	347	34,700	18,044	(215)
JPM	General Electric Company	USD	15.00	Jan 2021	347	34,700	19,612	(215)
JPM	General Electric Company	USD	15.00	Jan 2021	684	68,400	57,559	(425)
JPM	General Electric Company	USD	15.00	Jan 2021	342	34,200	29,200	(212)
JPM	General Electric Company	USD	15.00	Jan 2021	205	20,500	17,888	(127)
CSFB	Hilton Worldwide Holdings, Inc.	USD	87.50	Jan 2021	4	400	3,023	(9,509)
CSFB	Hilton Worldwide Holdings, Inc.	USD	90.00	Jan 2021	4	400	2,660	(8,511)
CITI	Hilton Worldwide Holdings, Inc.	USD	125.00	Jan 2021	9	900	4,868	(99)
CITI	Hilton Worldwide Holdings, Inc.	USD	130.00	Jan 2021	9	900	3,528	(17)
CSFB	Humana, Inc.	USD	370.00	Jan 2021	6	600	20,272	(24,518)
CSFB	Humana, Inc.	USD	380.00	Jan 2021	6	600	17,694	(18,957)
CSFB	Humana, Inc.	USD	420.00	Jan 2021	5	500	13,832	(2,644)
CSFB	Humana, Inc.	USD	430.00	Jan 2021	5	500	12,002	(1,282)
JPM	Intercontinental Exchange, Inc.	USD	100.00	Jan 2021	20	2,000	11,846	(30,651)
JPM	Intercontinental Exchange, Inc.	USD	105.00	Jan 2021	20	2,000	8,081	(20,839)
GSI	Mastercard, Inc., Class A	USD	400.00	Jan 2022	30	3,000	53,537	(83,818)
CITI	Microsoft Corp.	USD	165.00	Jan 2021	40	4,000	50,890	(229,870)
CSFB	Microsoft Corp.	USD	165.00	Jan 2021	70	7,000	47,257	(402,274)
CSFB	Microsoft Corp.	USD	165.00	Jan 2021	67	6,700	46,364	(385,033)
CITI	Microsoft Corp.	USD	170.00	Jan 2021	40	4,000	43,089	(209,895)
JPM	Microsoft Corp.	USD	170.00	Jan 2021	102	10,200	110,874	(535,233)
JPM	Microsoft Corp.	USD	170.00	Jan 2021	55	5,500	58,482	(288,606)
CITI	Microsoft Corp.	USD	280.00	Jan 2022	65	6,500	133,380	(55,827)
JPM	NXP Semiconductors NV	USD	125.00	Jan 2021	8	800	5,456	(27,254)
JPM	NXP Semiconductors NV	USD	135.00	Jan 2021	8	800	7,019	(19,343)
JPM	NXP Semiconductors NV	USD	135.00	Jan 2021	10	1,000	9,107	(24,178)
JPM	NXP Semiconductors NV	USD	135.00	Jan 2021	5	500	4,561	(12,089)
CSFB	NXP Semiconductors NV	USD	140.00	Jan 2021	23	2,300	17,038	(44,452)
CSFB	NXP Semiconductors NV	USD	140.00	Jan 2021	10	1,000	7,002	(19,327)
CSFB	NXP Semiconductors NV	USD	140.00	Jan 2021	54	5,400	40,910	(104,366)
JPM	NXP Semiconductors NV	USD	140.00	Jan 2021	8	800	5,708	(15,462)
JPM	NXP Semiconductors NV	USD	140.00	Jan 2021	10	1,000	7,428	(19,327)
JPM	NXP Semiconductors NV	USD	140.00	Jan 2021	5	500	3,614	(9,664)
JPM	NXP Semiconductors NV	USD	145.00	Jan 2021	8	800	4,557	(11,714)
JPM	NXP Semiconductors NV	USD	145.00	Jan 2021	10	1,000	5,949	(14,642)
JPM	NXP Semiconductors NV	USD	145.00	Jan 2021	5	500	2,817	(7,321)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

Options on securities (continued)

Counterparty (OTC)/

Exchange-traded	Name of issuer	Currency	Exercise price	Expiration date	Number of contracts	Notional amount	Premium	Value
Calls (continued)								
GSI	Roper Technologies, Inc.	USD	420.00	May 2021	8	800	\$ 12,536	\$ (28,453)
GSI	Roper Technologies, Inc.	USD	440.00	May 2021	9	900	7,893	(22,409)
RBC	Thermo Fisher Scientific, Inc.	USD	370.00	Jan 2021	6	600	8,435	(57,541)
RBC	Thermo Fisher Scientific, Inc.	USD	390.00	Jan 2021	7	700	5,797	(53,217)
JPM	UnitedHealth Group, Inc.	USD	320.00	Jan 2021	6	600	10,285	(19,010)
JPM	UnitedHealth Group, Inc.	USD	320.00	Jan 2021	1	100	1,666	(3,168)
JPM	UnitedHealth Group, Inc.	USD	320.00	Jan 2021	7	700	12,669	(22,179)
JPM	UnitedHealth Group, Inc.	USD	320.00	Jan 2021	9	900	18,301	(28,515)
JPM	UnitedHealth Group, Inc.	USD	320.00	Jan 2021	5	500	10,726	(15,842)
JPM	UnitedHealth Group, Inc.	USD	320.00	Jan 2021	13	1,300	24,744	(41,189)
JPM	UnitedHealth Group, Inc.	USD	330.00	Jan 2021	6	600	8,280	(13,535)
GSI	Visa, Inc., Class A	USD	185.00	Jan 2021	6	600	10,842	(20,301)
GSI	Visa, Inc., Class A	USD	195.00	Jan 2021	6	600	8,286	(14,374)
GSI	Visa, Inc., Class A	USD	200.00	Jan 2021	13	1,300	14,552	(24,843)
GSI	Visa, Inc., Class A	USD	210.00	Jan 2021	14	1,400	11,154	(14,077)
GSI	Visa, Inc., Class A	USD	210.00	Jan 2021	17	1,700	21,498	(17,094)
GSI	Visa, Inc., Class A	USD	210.00	Jan 2021	6	600	7,740	(6,033)
GSI	Visa, Inc., Class A	USD	210.00	Jan 2021	5	500	4,305	(5,028)
GSI	Visa, Inc., Class A	USD	210.00	Jan 2021	5	500	4,552	(5,028)
GSI	Visa, Inc., Class A	USD	215.00	Jan 2021	5	500	3,178	(3,135)
GSI	Visa, Inc., Class A	USD	215.00	Jan 2021	5	500	3,397	(3,135)
GSI	Visa, Inc., Class A	USD	220.00	Jan 2021	6	600	5,293	(2,039)
GSI	Visa, Inc., Class A	USD	220.00	Jan 2021	5	500	2,800	(1,699)
GSI	Visa, Inc., Class A	USD	220.00	Jan 2021	5	500	2,985	(1,699)
CSFB	Visa, Inc., Class A	USD	230.00	Jan 2021	28	2,800	21,832	(2,566)
CSFB	Visa, Inc., Class A	USD	230.00	Jan 2021	17	1,700	12,087	(1,558)
GSI	Visa, Inc., Class A	USD	230.00	Jan 2021	7	700	6,599	(642)
GSI	Visa, Inc., Class A	USD	230.00	Jan 2021	8	800	8,185	(733)
CSFB	Visa, Inc., Class A	USD	235.00	Jan 2021	28	2,800	17,746	(1,389)
CSFB	Visa, Inc., Class A	USD	235.00	Jan 2021	17	1,700	9,833	(843)
CSFB	Visa, Inc., Class A	USD	240.00	Jan 2021	28	2,800	14,361	(700)
CSFB	Visa, Inc., Class A	USD	240.00	Jan 2021	17	1,700	7,903	(425)
GSI	Visa, Inc., Class A	USD	240.00	Jan 2021	7	700	4,472	(175)
GSI	Visa, Inc., Class A	USD	240.00	Jan 2021	9	900	6,333	(225)
GSI	Visa, Inc., Class A	USD	225.00	Jan 2022	7	700	8,344	(15,447)
GSI	Visa, Inc., Class A	USD	225.00	Jan 2022	6	600	8,082	(13,241)
GSI	Visa, Inc., Class A	USD	225.00	Jan 2022	14	1,400	18,239	(30,895)
GSI	Visa, Inc., Class A	USD	230.00	Jan 2022	7	700	7,154	(13,898)
GSI	Visa, Inc., Class A	USD	230.00	Jan 2022	6	600	7,032	(11,912)
GSI	Visa, Inc., Class A	USD	230.00	Jan 2022	14	1,400	16,317	(27,796)
CITI	Visa, Inc., Class A	USD	250.00	Jan 2022	43	4,300	36,712	(54,035)
GSI	Visa, Inc., Class A	USD	250.00	Jan 2022	13	1,300	15,886	(16,336)
GSI	Visa, Inc., Class A	USD	260.00	Jan 2022	13	1,300	12,181	(12,733)
GSI	Visa, Inc., Class A	USD	270.00	Jan 2022	13	1,300	9,256	(9,797)
BOA	Yum! Brands, Inc.	USD	95.00	Jan 2021	5	500	3,305	(6,838)
BOA	Yum! Brands, Inc.	USD	95.00	Jan 2021	15	1,500	8,439	(20,513)
BOA	Yum! Brands, Inc.	USD	100.00	Jan 2021	5	500	2,435	(4,409)
BOA	Yum! Brands, Inc.	USD	100.00	Jan 2021	16	1,600	6,440	(14,108)
CITI	Yum! Brands, Inc.	USD	100.00	Jan 2021	17	1,700	8,446	(14,990)
CITI	Yum! Brands, Inc.	USD	100.00	Jan 2021	16	1,600	6,854	(14,108)
CITI	Yum! Brands, Inc.	USD	105.00	Jan 2021	17	1,700	5,805	(7,431)
CITI	Yum! Brands, Inc.	USD	105.00	Jan 2021	16	1,600	4,389	(6,994)
							\$2,828,580	\$(5,387,527)

Derivatives Currency Abbreviations

USD U.S. Dollar

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Capital Appreciation Value Trust (continued)

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
SFG	Susquehanna Financial Group, LLLP

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

Disciplined Value International Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 98.5%		
Australia - 0.9%		
Rio Tinto, Ltd.	29,478	\$ 2,592,343
Austria - 0.5%		
ams AG (A)	75,002	1,634,251
Bermuda - 1.5%		
Everest Re Group, Ltd.	19,341	4,527,535
Brazil - 1.2%		
Petroleo Brasileiro SA, ADR	333,001	3,739,601
Canada - 1.8%		
Kinross Gold Corp.	452,316	3,319,999
West Fraser Timber Company, Ltd. (B)	31,314	2,011,830
		5,331,829
China - 1.2%		
Alibaba Group Holding, Ltd. (A)	54,200	1,576,382
Topsports International Holdings, Ltd. (C)	1,359,000	2,035,192
		3,611,574
Finland - 1.2%		
Sampo OYJ, A Shares	84,906	3,630,011
France - 16.9%		
Accor SA (A)(B)	40,338	1,463,486
AXA SA	206,912	4,962,203
BNP Paribas SA (A)	167,572	8,846,439
Capgemini SE	37,103	5,771,425
Cie de Saint-Gobain	99,086	4,557,175
Eiffage SA (A)	48,538	4,691,748
Imerys SA	37,925	1,788,010
Peugeot SA (A)	198,880	5,446,425
Rexel SA (A)	137,739	2,173,969
Sanofi	51,564	4,997,708
TOTAL SE	142,958	6,170,349
		50,868,937
Germany - 9.4%		
Allianz SE	23,056	5,664,202
Brenntag AG	26,287	2,044,105
Continental AG	26,641	3,965,097
Deutsche Post AG	70,151	3,474,963
Deutsche Telekom AG	243,891	4,451,618
HeidelbergCement AG	30,980	2,306,619
Rheinmetall AG	22,831	2,417,276
Siemens AG	28,519	4,108,037
		28,431,917
Greece - 0.6%		
Hellenic Telecommunications Organization SA	109,247	1,756,748
Hong Kong - 1.2%		
CK Asset Holdings, Ltd.	227,500	1,164,095
WH Group, Ltd. (C)	3,110,000	2,607,897
		3,771,992

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hungary - 1.1%		
OTP Bank NYRT (A)	71,648	\$ 3,228,787
India - 0.8%		
HDFC Bank, Ltd., ADR (A)	31,786	2,296,856
Ireland - 0.9%		
CRH PLC	61,782	2,610,542
Isle of Man - 0.8%		
Entain PLC (A)	147,004	2,280,154
Italy - 1.0%		
Enel SpA	291,530	2,966,223
Japan - 21.5%		
Fuji Corp.	71,200	1,876,726
Fuji Electric Company, Ltd.	54,200	1,956,407
Hitachi, Ltd.	196,800	7,767,561
Honda Motor Company, Ltd.	178,200	5,028,144
KDDI Corp.	50,900	1,509,198
Kinden Corp.	65,300	1,063,373
Komatsu, Ltd.	147,900	4,081,787
Kyudenko Corp.	54,500	1,760,032
Mitsubishi Gas Chemical Company, Inc.	98,600	2,267,347
NEC Corp.	50,700	2,723,080
Nihon Unisys, Ltd.	66,600	2,610,444
Nissan Motor Company, Ltd. (A)	286,600	1,553,490
Persol Holdings Company, Ltd.	66,500	1,201,437
Sanwa Holdings Corp.	102,500	1,196,963
Sony Corp.	97,300	9,804,735
Sumitomo Mitsui Financial Group, Inc.	148,800	4,612,525
Taisei Corp.	58,900	2,031,964
Taiyo Yuden Company, Ltd.	63,900	3,000,180
TechnoPro Holdings, Inc.	26,500	2,201,511
Tokyo Electron, Ltd.	4,600	1,718,389
Tosoh Corp.	95,500	1,492,108
TS Tech Company, Ltd.	57,400	1,772,784
Zenkoku Hosho Company, Ltd.	31,900	1,461,305
		64,691,490
Macau - 0.6%		
Wynn Macau, Ltd. (A)	1,110,800	1,868,878
Malta - 0.0%		
BGP Holdings PLC (A)(D)	2,126,418	0
Netherlands - 3.5%		
Aalberts NV	35,081	1,560,917
ING Groep NV (A)	164,946	1,533,633
NN Group NV	65,081	2,813,450
Royal Dutch Shell PLC, A Shares	179,013	3,139,249
Signify NV (A)(C)	32,813	1,377,685
		10,424,934
Norway - 0.7%		
DNB ASA	101,978	1,998,321
Singapore - 0.6%		
DBS Group Holdings, Ltd.	91,600	1,735,887

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Disciplined Value International Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea - 6.6%		
Hana Financial Group, Inc.	107,601	\$ 3,427,237
KB Financial Group, Inc.	82,230	3,265,932
KT Corp., ADR	208,184	2,292,106
POSCO	8,021	2,004,284
Samsung Electronics Company, Ltd.	90,826	6,782,479
SK Hynix, Inc.	19,934	2,177,361
		<u>19,949,399</u>
Spain - 0.7%		
Applus Services SA (A)	190,742	2,116,633
Sweden - 2.0%		
Volvo AB, B Shares (A)	258,977	6,130,790
Switzerland - 8.4%		
Glencore PLC (A)	1,545,077	4,906,856
Novartis AG	74,382	7,003,657
Roche Holding AG	17,185	5,985,511
STMicroelectronics NV	47,911	1,772,493
UBS Group AG	389,737	5,487,434
		<u>25,155,951</u>
Taiwan - 0.5%		
Simplo Technology Company, Ltd.	114,000	1,423,414
United Kingdom - 10.1%		
BAE Systems PLC	235,389	1,569,759
Coca-Cola European Partners PLC	87,648	4,367,500
Direct Line Insurance Group PLC	369,967	1,618,130
DS Smith PLC (A)	396,949	2,029,096
GlaxoSmithKline PLC	115,349	2,110,656
Imperial Brands PLC	99,162	2,079,886
Inchcape PLC (A)	140,589	1,237,644
Melrose Industries PLC (A)	1,399,782	3,410,425
Nomad Foods, Ltd. (A)	62,756	1,595,258
Persimmon PLC	59,513	2,246,191
Tesco PLC	1,650,387	5,208,245
WH Smith PLC	141,709	2,922,265
		<u>30,395,055</u>
United States - 2.3%		
Applied Materials, Inc.	38,281	3,303,650
FMC Corp.	31,869	3,662,704
		<u>6,966,354</u>
TOTAL COMMON STOCKS (Cost \$258,879,893)		\$ 296,136,406
SHORT-TERM INVESTMENTS - 1.0%		
Short-term funds - 1.0%		
Fidelity Institutional Money Market Government Portfolio, Institutional Class, 0.0100% (E)	1,261,718	1,261,718
John Hancock Collateral Trust, 0.1386% (E)(F)	173,602	1,737,079
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,998,854)		\$ 2,998,797
Total Investments (Disciplined Value International Trust) (Cost \$261,878,747) - 99.5%		\$ 299,135,203
Other assets and liabilities, net - 0.5%		1,626,870
TOTAL NET ASSETS - 100.0%		\$ 300,762,073

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(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.

Disciplined Value International Trust (continued)

- (D) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
- (E) The rate shown is the annualized seven-day yield as of 12-31-20.
- (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 - 97.4%		
Australia - 0.0%		
MMG, Ltd. (A)	192,000	\$ 83,596
Belgium - 0.0%		
Titan Cement International SA (A)	985	16,548
Brazil - 3.9%		
Banco Bradesco SA	60,629	284,205
Banco do Brasil SA	67,483	507,316
Banco Santander Brasil SA	25,018	217,250
BrasilAgro - Company Brasileira de Propriedades Agricolas	6,700	32,270
Camil Alimentos SA	10,600	22,558
Cogna Educacao (A)	186,166	166,338
CSU Cardsystem SA	4,900	14,238
Enauta Participacoes SA	16,860	38,347
Fras-Le SA	8,800	17,177
Industrias Romi SA	7,583	22,673
International Meal Company Alimentacao SA (A)	26,670	21,588
Iochpe Maxion SA	11,411	34,171
JBS SA	10,100	46,033
JHSF Participacoes SA	46,627	70,362
Marisa Lojas SA (A)	14,758	19,393
Petroleo Brasileiro SA	403,347	2,228,198
Restoque Comercio e Confeccoos de Roupas SA (A)	3,836	3,668
Sao Carlos Empreendimentos e Participacoes SA	5,205	44,750
Sao Martinho SA	9,777	51,667
SLC Agricola SA	6,700	35,448
Trisul SA	13,137	31,188
Tupy SA (A)	9,951	40,301
Usinas Siderurgicas de Minas Gerais SA	14,738	44,602
Vale SA	300,753	5,062,049
		<u>9,055,790</u>
Chile - 0.5%		
Camanchaca SA	214,992	17,786
CAP SA	5,458	73,385
Cementos BIO BIO SA	16,447	17,181
Cencosud SA	133,449	237,788
Cristalerias de Chile SA	3,626	21,017
Empresa Nacional de Telecomunicaciones SA	15,564	96,696
Empresas CMPC SA	53,560	141,028
Empresas COPEC SA	21,339	216,145
Empresas Hites SA	46,731	6,657
Grupo Security SA	147,513	27,400
Inversiones Aguas Metropolitanas SA	42,648	35,384
Itau CorpBanca Chile SA	10,081,598	33,919
Masisa SA (A)	321,066	4,423
PAZ Corp. SA	16,523	13,250
Ripley Corp. SA	137,631	42,832
Salfacorp SA	54,622	31,364
Sigdo Koppers SA	50,989	57,468
SMU SA	43,046	6,495
Sociedad Matriz SAAM SA	670,600	52,986
Socovesa SA	113,429	31,585

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chile (continued)		
SONDA SA	17,248	\$ 10,578
		1,175,367
China - 24.8%		
361 Degrees International, Ltd.	140,000	19,525
3SBio, Inc. (A)(B)	92,500	84,445
AAC Technologies Holdings, Inc.	63,500	351,974
Agile Group Holdings, Ltd.	203,000	270,196
Agricultural Bank of China, Ltd., H Shares	2,020,000	739,809
Air China, Ltd., H Shares	240,000	189,207
Aluminum Corp. of China, Ltd., H Shares (A)	372,000	130,966
Angang Steel Company, Ltd., H Shares	193,800	79,101
Anhui Conch Cement Company, Ltd., H Shares	123,000	770,849
Anton Oilfield Services Group (A)(C)	284,000	15,953
Asia Cement China Holdings Corp.	65,000	59,315
AsiaInfo Technologies, Ltd. (B)(C)	8,800	12,656
AviChina Industry & Technology Company, Ltd., H Shares	230,000	160,793
BAIC Motor Corp., Ltd., H Shares (B)	207,000	76,814
Baidu, Inc., ADR (A)	16,997	3,675,432
BAIOO Family Interactive, Ltd. (B)	126,000	15,126
Bank of China, Ltd., H Shares	6,067,694	2,053,634
Bank of Chongqing Company, Ltd., H Shares	69,500	43,504
Bank of Communications Company, Ltd., H Shares	596,876	315,724
Bank of Tianjin Company, Ltd., H Shares	74,000	28,901
Baoye Group Company, Ltd., H Shares (A)	22,000	10,795
BBMG Corp., H Shares	220,000	42,598
Beijing Capital International Airport Company, Ltd., H Shares	208,000	173,608
Beijing North Star Company, Ltd., H Shares	132,000	24,669
Beijing Urban Construction Design & Development Group Company, Ltd., H Shares (B)	35,000	8,819
Boyaa Interactive International, Ltd. (A)	63,000	4,639
BYD Electronic International Company, Ltd.	65,000	341,009
C&D Property Management Group Company, Ltd. (A)	14,000	5,598
Cabbeen Fashion, Ltd.	40,000	17,615
CAR, Inc. (A)(C)	59,000	28,485
Central China Real Estate, Ltd.	113,732	52,756
Chaowei Power Holdings, Ltd.	88,000	36,051
Cheetah Mobile, Inc., ADR	4,594	8,269
China Aoyuan Group, Ltd.	93,000	90,488
China BlueChemical, Ltd., H Shares	264,000	41,935
China Cinda Asset Management Company, Ltd., H Shares	815,000	154,642
China CITIC Bank Corp., Ltd., H Shares	642,775	273,041
China Coal Energy Company, Ltd., H Shares	178,000	53,579
China Communications Construction Company, Ltd., H Shares	47,000	20,327
China Communications Services Corp., Ltd., H Shares	217,200	95,951
China Conch Venture Holdings, Ltd.	81,500	396,584
China Construction Bank Corp., H Shares	7,711,000	5,816,245
China Development Bank Financial Leasing Company, Ltd., H Shares (B)	122,000	18,111
China Dili Group (A)	190,600	67,433
China Dongxiang Group Company, Ltd.	530,000	55,454

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Eastern Airlines Corp., Ltd., H Shares	276,000	\$ 119,614
China Electronics Optics Valley Union Holding Company, Ltd.	308,000	16,538
China Energy Engineering Corp., Ltd., H Shares	380,000	36,763
China Everbright Bank Company, Ltd., H Shares	261,000	99,541
China Evergrande Group (C)	202,000	388,258
China Galaxy Securities Company, Ltd., H Shares	260,500	163,434
China Harmony Auto Holding, Ltd.	105,500	50,298
China Hongqiao Group, Ltd.	249,000	228,285
China Huarong Asset Management Company, Ltd., H Shares (B)	808,000	89,698
China Huiyuan Juice Group, Ltd. (A)(C)(D)	212,500	13,842
China International Capital Corp., Ltd., H Shares (A)(B)	106,800	289,561
China International Marine Containers Group Company, Ltd., H Shares	49,900	72,665
China Kepei Education Group, Ltd.	14,000	9,760
China Lesso Group Holdings, Ltd.	123,000	192,721
China Life Insurance Company, Ltd., H Shares	98,000	215,745
China Lilang, Ltd.	22,000	15,013
China Literature, Ltd. (A)(B)(C)	14,400	113,206
China Machinery Engineering Corp., H Shares	115,000	30,442
China Maple Leaf Educational Systems, Ltd. (C)	126,000	33,200
China Medical System Holdings, Ltd.	105,000	117,305
China Merchants Bank Company, Ltd., H Shares	331,500	2,097,084
China Merchants Securities Company, Ltd., H Shares (B)	22,880	34,269
China Minsheng Banking Corp., Ltd., H Shares	489,900	279,267
China Modern Dairy Holdings, Ltd. (A)(C)	171,000	40,998
China Molybdenum Company, Ltd., H Shares (C)	96,000	62,813
China National Building Material Company, Ltd., H Shares	581,450	699,886
China New Higher Education Group, Ltd. (B)	27,000	16,827
China Oilfield Services, Ltd., H Shares	182,000	154,270
China Oriental Group Company, Ltd.	164,000	43,604
China Pacific Insurance Group Company, Ltd., H Shares	234,400	916,498
China Petroleum & Chemical Corp., ADR	6,198	276,431
China Petroleum & Chemical Corp., H Shares	1,022,000	455,138
China Railway Construction Corp., Ltd., H Shares	24,665	13,517
China Railway Group, Ltd., H Shares	379,000	167,255
China Railway Signal & Communication Corp., Ltd., H Shares (B)	83,000	27,863
China Reinsurance Group Corp., H Shares	441,000	45,495
China Resources Medical Holdings Company, Ltd.	61,000	52,397
China Resources Pharmaceutical Group, Ltd. (B)	138,500	71,219
China Sanjiang Fine Chemicals Company, Ltd.	105,000	32,751
China SCE Group Holdings, Ltd.	266,200	109,835

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Shanshui Cement Group, Ltd. (A)	117,000	\$ 27,675
China Shenhua Energy Company, Ltd., H Shares	372,000	701,215
China Shineway Pharmaceutical Group, Ltd.	32,000	21,888
China Silver Group, Ltd. (A)	94,000	10,328
China Southern Airlines Company, Ltd., H Shares (A)	228,000	136,280
China Taifeng Beddings Holdings, Ltd. (A)(D)	204,000	12,789
China Tower Corp., Ltd., H Shares (B)	3,050,000	448,781
China Vanke Company, Ltd., H Shares	161,900	558,913
China XLX Fertiliser, Ltd.	115,000	37,116
China Yongda Automobiles Services Holdings, Ltd.	64,500	106,956
China ZhengTong Auto Services Holdings, Ltd. (A)(C)	160,000	17,785
China Zhesang Bank Company, Ltd., H Shares	42,000	20,545
China Zhongwang Holdings, Ltd. (A)	196,800	37,096
Chinasoft International, Ltd. (A)	100,000	111,761
Chongqing Rural Commercial Bank Company, Ltd., H Shares	275,000	112,163
CIFI Holdings Group Company, Ltd.	291,380	246,918
CITIC Securities Company, Ltd., H Shares	73,500	165,852
CITIC, Ltd.	492,130	348,443
CNOOC, Ltd.	2,026,000	1,858,698
CNOOC, Ltd., ADR	226	20,713
Cogobuy Group (A)(B)	74,000	14,517
Colour Life Services Group Company, Ltd. (A)(C)	6,169	2,765
Consun Pharmaceutical Group, Ltd.	19,000	7,454
COSCO SHIPPING Development Company, Ltd., H Shares	194,000	31,524
COSCO SHIPPING Energy Transportation Company, Ltd., H Shares	138,000	54,315
COSCO SHIPPING Holdings Company, Ltd., H Shares (A)	168,000	201,413
Cosmo Lady China Holdings Company, Ltd. (A)(B)	29,000	4,822
Country Garden Holdings Company, Ltd. CPMC Holdings, Ltd.	912,471	1,259,460
CSPC Pharmaceutical Group, Ltd.	76,000	35,145
CT Environmental Group, Ltd. (A)(D)	828,000	843,020
Dali Foods Group Company, Ltd. (B)	164,000	6,473
Dexin China Holdings Company, Ltd. (A)	114,500	65,443
Dongfang Electric Corp., Ltd., H Shares	27,000	10,313
Dongfeng Motor Group Company, Ltd., H Shares	29,000	21,238
Dongyue Group, Ltd.	210,000	245,391
E-Commodities Holdings, Ltd. (A)	143,000	113,541
Everbright Securities Company, Ltd., H Shares (B)(C)	348,000	16,649
Fang Holdings, Ltd., ADR (A)	25,600	22,915
Fantasia Holdings Group Company, Ltd. (A)	10	134
FinVolution Group, ADR	172,500	30,018
Fosun International, Ltd.	6,095	16,274
Fosun International, Ltd.	195,460	306,981
Fu Shou Yuan International Group, Ltd.	52,000	48,878
Fufeng Group, Ltd. (A)	270,200	101,248
Fuyao Glass Industry Group Company, Ltd., H Shares (B)	30,400	167,331
Genertec Universal Medical Group Company, Ltd. (B)	99,000	73,941
GF Securities Company, Ltd., H Shares	82,600	116,787

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
GOME Retail Holdings, Ltd. (A)(C)	870,000	\$ 104,464
Grand Baoxin Auto Group, Ltd. (A)	219,500	23,545
Great Wall Motor Company, Ltd., H Shares	292,500	1,006,372
Greatview Aseptic Packaging Company, Ltd.	25,000	14,630
Greenland Hong Kong Holdings, Ltd.	88,000	26,448
Greentown China Holdings, Ltd.	102,500	149,705
Guangshen Railway Company, Ltd., ADR	3,552	31,613
Guangshen Railway Company, Ltd., H Shares	34,000	6,147
Guangzhou Automobile Group Company, Ltd., H Shares	188,000	209,669
Guangzhou Baiyunshan Pharmaceutical Holdings Company, Ltd., H Shares	12,000	29,360
Guangzhou R&F Properties Company, Ltd., H Shares	190,800	245,740
Guorui Properties, Ltd.	84,000	8,362
Guotai Junan Securities Company, Ltd., H Shares (B)	34,600	50,418
Haichang Ocean Park Holdings, Ltd. (A)(B)	181,000	11,114
Haier Smart Home Company, Ltd., H Shares (A)	81,600	295,772
Hainan Meilan International Airport Company, Ltd., H Shares (A)	17,000	89,927
Haitian International Holdings, Ltd.	51,000	176,338
Haitong Securities Company, Ltd., H Shares	188,000	168,009
Harbin Bank Company, Ltd., H Shares (B)	74,000	9,566
Harbin Electric Company, Ltd., H Shares (A)	128,000	36,657
HC Group, Inc. (A)	98,000	14,032
Hengan International Group Company, Ltd.	64,000	453,158
Hiroca Holdings, Ltd.	8,000	17,445
Hisense Home Appliances Group Company, Ltd., H Shares	17,000	26,182
Honghua Group, Ltd. (A)	367,000	11,743
Honworld Group, Ltd. (B)	56,000	15,709
Hua Hong Semiconductor, Ltd. (A)(B)	12,000	68,318
Huatai Securities Company, Ltd., H Shares (B)	96,600	152,094
Huishang Bank Corp., Ltd., H Shares	63,300	20,780
Industrial & Commercial Bank of China, Ltd., H Shares	5,512,000	3,541,403
Inner Mongolia Yitai Coal Company, Ltd., H Shares	25,700	17,711
Jiangxi Copper Company, Ltd., H Shares	99,000	155,838
Jingrui Holdings, Ltd.	69,000	20,402
JinkoSolar Holding Company, Ltd., ADR (A)(C)	5,541	342,822
JNBY Design, Ltd.	9,500	11,033
JOYY, Inc., ADR (C)	5,041	403,179
Kaisa Group Holdings, Ltd. (A)	258,000	127,586
Kaisa Prosperity Holdings, Ltd. (A)	4,000	9,848
Kangda International Environmental Company, Ltd. (A)(B)	140,000	12,105
Kasen International Holdings, Ltd. (A)(C)	119,000	11,226
Kingsoft Corp., Ltd.	58,000	375,013
KWG Group Holdings, Ltd.	177,013	241,849
KWG Living Group Holdings, Ltd. (A)	88,506	71,924
Legend Holdings Corp., H Shares (B)	66,200	86,963
Lenovo Group, Ltd.	718,000	678,791
LexinFintech Holdings, Ltd., ADR (A)	6,928	46,418

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Livzon Pharmaceutical Group, Inc., H Shares	9,200	\$ 35,648
Logan Group Company, Ltd.	111,000	181,838
Longfor Group Holdings, Ltd. (B)	152,500	892,045
Lonking Holdings, Ltd.	277,000	85,717
Luye Pharma Group, Ltd. (B)	154,000	71,636
Metallurgical Corp. of China, Ltd., H Shares	185,000	32,718
Minth Group, Ltd.	68,000	359,766
MOBI Development Company, Ltd.	70,000	5,334
Modern Land China Company, Ltd.	88,000	9,674
Momo, Inc., ADR	14,289	199,474
Nature Home Holding Company, Ltd. (A)	59,000	8,006
NetDragon Websoft Holdings, Ltd.	12,000	26,915
New China Life Insurance Company, Ltd., H Shares	38,400	149,788
NVC International Holdings, Ltd. (A)(C)	267,000	5,934
OneSmart International Education Group, Ltd., ADR (A)	3,636	13,817
Orient Securities Company, Ltd., H Shares (B)	50,800	35,854
PetroChina Company, Ltd., ADR	1,761	54,098
PetroChina Company, Ltd., H Shares	2,098,000	649,633
PICC Property & Casualty Company, Ltd., H Shares	570,000	431,214
Postal Savings Bank of China Company, Ltd., H Shares (B)	665,000	375,765
Powerlong Real Estate Holdings, Ltd.	178,000	123,074
Q Technology Group Company, Ltd. (C)	18,000	30,524
Qingdao Port International Company, Ltd., H Shares (B)	19,000	11,741
Qingling Motors Company, Ltd., H Shares	128,000	25,447
Qunxing Paper Holdings Company, Ltd. (A)(D)	634,371	0
Red Star Macalline Group Corp., Ltd., H Shares (B)	62,480	37,973
Redco Properties Group, Ltd. (B)	66,000	24,697
Redsun Properties Group, Ltd.	28,000	9,723
Ronshine China Holdings, Ltd. (A)	46,500	32,491
Sany Heavy Equipment International Holdings Company, Ltd.	64,000	47,983
Seazen Group, Ltd. (A)	180,000	150,358
Shandong Gold Mining Company, Ltd., H Shares (B)(C)	25,000	57,741
Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	220,000	497,731
Shanghai Electric Group Company, Ltd., H Shares (A)	158,000	48,563
Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares	23,000	109,940
Shanghai Jin Jiang Capital Company, Ltd., H Shares	244,000	37,478
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	75,000	131,949
Shengjing Bank Company, Ltd., H Shares (A)(B)	17,500	16,311
Shenguan Holdings Group, Ltd.	90,000	3,601
Shenwan Hongyuan Group Company, Ltd., H Shares (B)	70,400	20,185
Shui On Land, Ltd.	390,961	54,436
Sihuan Pharmaceutical Holdings Group, Ltd.	177,000	18,669
SINA Corp. (A)(C)	7,964	337,514
Sino-Ocean Group Holding, Ltd.	333,973	66,657

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Sinopec Engineering Group Company, Ltd., H Shares	129,000	\$ 55,697
Sinopec Shanghai Petrochemical Company, Ltd., H Shares	300,000	63,908
Sinopharm Group Company, Ltd., H Shares	122,800	297,891
Sinsoft Technology Group, Ltd. (A)	104,000	20,167
Sinotrans, Ltd., H Shares	242,000	88,071
Sinotruk Hong Kong, Ltd.	106,500	272,805
SOHO China, Ltd. (A)	247,000	73,466
Sun King Technology Group, Ltd.	108,000	29,543
Sunac China Holdings, Ltd.	266,000	983,261
Sunac Services Holdings, Ltd. (A)(B)	7,400	16,380
Sunshine 100 China Holdings, Ltd. (B)(C)	77,000	12,068
Tencent Music Entertainment Group, ADR (A)	17,896	344,319
Tenwow International Holdings, Ltd. (A)(D)	121,000	4,448
The People's Insurance Company Group of China, Ltd., H Shares	376,000	119,332
Tian Ge Interactive Holdings, Ltd. (A)(B)	44,000	5,163
Tianneng Power International, Ltd.	78,000	188,471
Tingyi Cayman Islands Holding Corp.	172,000	294,208
Tong Ren Tang Technologies Company, Ltd., H Shares	45,000	28,150
Tongcheng-Elong Holdings, Ltd. (A)	53,600	103,884
Tonly Electronics Holdings, Ltd.	9,000	13,380
TravelSky Technology, Ltd., H Shares	27,000	65,230
Trigiant Group, Ltd. (A)	158,000	15,718
Trip.com Group, Ltd., ADR (A)	33,826	1,140,951
Uni-President China Holdings, Ltd.	83,000	84,517
Vipshop Holdings, Ltd., ADR (A)	29,507	829,442
Want Want China Holdings, Ltd.	331,000	239,307
Weibo Corp., ADR (A)(C)	4,311	176,708
Weichai Power Company, Ltd., H Shares	160,000	321,715
Weiqiao Textile Company, H Shares	73,500	16,214
West China Cement, Ltd.	380,000	56,444
Wisdom Education International Holdings Company, Ltd.	38,000	18,547
Xiamen International Port Company, Ltd., H Shares	330,000	48,440
Xingda International Holdings, Ltd.	135,930	39,677
Xingfa Aluminium Holdings, Ltd.	29,000	27,341
Xinhua Winshare Publishing and Media Company, Ltd., H Shares	51,000	31,458
Xinjiang Goldwind Science & Technology Company, Ltd., H Shares	47,000	94,709
Xinyuan Real Estate Company, Ltd., ADR	6,010	13,222
Xtep International Holdings, Ltd.	98,092	49,016
Yanzhou Coal Mining Company, Ltd., H Shares	262,000	209,976
YiChang HEC ChangJiang Pharmaceutical Company, Ltd., H Shares (B)(C)	23,800	27,135
Yiren Digital, Ltd., ADR (A)	7,156	23,901
Yum China Holdings, Inc.	6,831	389,982
Yuzhou Group Holdings Company, Ltd.	297,024	107,338
Zhaojin Mining Industry Company, Ltd., H Shares	78,000	92,950
Zhejiang Glass Company, Ltd., H Shares (A)(D)	162,000	0
Zhengzhou Coal Mining Machinery Group Company, Ltd., H Shares	25,400	34,549
Zhenro Properties Group, Ltd.	65,000	39,160
Zhong An Group, Ltd.	409,000	16,863

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Zhou Hei Ya International Holdings Company, Ltd. (A)(B)	34,500	\$ 36,697
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	47,900	209,305
Zijin Mining Group Company, Ltd., H Shares	572,000	648,061
Zoomlion Heavy Industry Science and Technology Company, Ltd., H Shares	112,000	134,392
ZTE Corp., H Shares	62,400	157,163
ZTO Express Cayman, Inc., ADR	13,379	390,132
		57,593,796
Colombia - 0.2%		
Cementos Argos SA	24,726	44,886
Grupo Argos SA	36,406	148,701
Grupo de Inversiones Suramericana SA	23,322	173,357
		366,944
Czech Republic - 0.1%		
CEZ AS	12,084	289,824
Greece - 0.3%		
Alpha Bank AE (A)	98,073	113,577
Bank of Greece	667	12,891
Ellaktor SA (A)	17,133	35,956
Eurobank Ergasias Services and Holdings SA (A)	179,251	125,928
Fourlis Holdings SA (A)	3,756	18,246
Hellenic Petroleum SA	6,586	43,371
Mytilineos SA	8,068	117,119
National Bank of Greece SA (A)	46,051	126,074
Piraeus Bank SA (A)	33,087	51,897
		645,059
Hong Kong - 8.1%		
Ajisen China Holdings, Ltd.	147,000	24,806
Anxin-China Holdings, Ltd. (A)(D)	1,648,000	0
APT Satellite Holdings, Ltd.	28,000	6,291
Asian Citrus Holdings, Ltd. (A)	249,000	4,966
Atlas Corp.	9,130	98,969
Beijing Energy International Holding Company, Ltd. (A)	814,000	32,584
Beijing Enterprises Clean Energy Group, Ltd. (A)	600,000	10,128
Beijing Enterprises Holdings, Ltd.	49,000	160,022
Beijing Enterprises Water Group, Ltd. (A)	480,000	193,109
Bosideng International Holdings, Ltd.	272,000	138,694
Brilliance China Automotive Holdings, Ltd.	216,000	197,179
C C Land Holdings, Ltd.	240,126	53,240
C&D International Investment Group, Ltd.	14,000	21,713
CECEP COSTIN New Materials Group, Ltd. (A)(D)	348,000	0
CGN New Energy Holdings Company, Ltd. (A)	150,000	23,590
China Aerospace International Holdings, Ltd.	190,000	11,160
China Aircraft Leasing Group Holdings, Ltd.	23,000	19,891
China Education Group Holdings, Ltd.	47,000	90,657
China Everbright Greentech, Ltd. (B)	43,000	18,958
China Everbright, Ltd.	76,000	101,783
China Fiber Optic Network System Group, Ltd. (A)(D)	150,800	5,447
China Foods, Ltd.	42,000	13,765
China Gas Holdings, Ltd.	246,800	977,995
China Grand Pharmaceutical and Healthcare Holdings, Ltd.	60,000	53,278

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
China High Precision Automation Group, Ltd. (A)(D)	18,000	\$ 2,159
China Jinmao Holdings Group, Ltd.	500,000	230,305
China Longevity Group Company, Ltd. (A)(D)	93,000	4,930
China Lumena New Materials Corp. (A)(C)(D)	2,036,000	0
China Mengniu Dairy Company, Ltd. (A)	76,000	458,215
China Merchants Land, Ltd.	260,000	38,203
China Merchants Port Holdings Company, Ltd.	136,622	167,235
China Mobile, Ltd.	606,000	3,454,475
China Mobile, Ltd., ADR	22,722	648,486
China New Town Development Company, Ltd.	300,165	6,973
China Oil & Gas Group, Ltd. (A)	1,020,000	55,987
China Overseas Grand Oceans Group, Ltd.	191,500	102,747
China Overseas Land & Investment, Ltd.	421,000	914,621
China Resources Cement Holdings, Ltd.	242,000	270,298
China Resources Gas Group, Ltd.	80,000	425,235
China Resources Land, Ltd.	366,000	1,508,246
China South City Holdings, Ltd.	498,000	73,842
China State Construction International Holdings, Ltd.	104,000	59,378
China Taiping Insurance Holdings Company, Ltd.	147,200	265,613
China Traditional Chinese Medicine Holdings Company, Ltd.	286,000	141,585
China Travel International Investment Hong Kong, Ltd. (A)	314,000	42,970
China Unicom Hong Kong, Ltd.	630,000	359,399
China Unicom Hong Kong, Ltd., ADR	11,833	67,211
China Vast Industrial Urban Development Company, Ltd. (B)	36,000	14,710
Chu Kong Shipping Enterprises Group Company, Ltd.	26,000	3,195
CIMC Enric Holdings, Ltd. (C)	56,000	33,588
CITIC Resources Holdings, Ltd. (A)	488,000	18,545
Concord New Energy Group, Ltd.	690,000	41,862
COSCO SHIPPING International Hong Kong Company, Ltd.	59,625	18,222
COSCO SHIPPING Ports, Ltd.	162,371	112,939
CP Pokphand Company, Ltd.	328,000	31,334
Dawnrays Pharmaceutical Holdings, Ltd.	117,000	21,129
Digital China Holdings, Ltd.	42,000	34,494
Far East Horizon, Ltd. (C)	183,000	188,632
GCL-Poly Energy Holdings, Ltd. (A)(C)	2,126,000	337,947
Geely Automobile Holdings, Ltd.	516,000	1,766,838
Gemdale Properties & Investment Corp., Ltd.	778,000	111,427
Glorious Property Holdings, Ltd. (A)	88,000	2,855
Glory Sun Financial Group, Ltd. (A)	236,000	10,056
Goldlion Holdings, Ltd.	36,000	7,297
Goldpac Group, Ltd.	46,000	8,384
Health & Happiness H&H International Holdings, Ltd.	14,000	51,878
Hi Sun Technology China, Ltd. (A)	375,000	48,953
Hopson Development Holdings, Ltd.	90,000	229,241
Hua Han Health Industry Holdings, Ltd. (A)(D)	880,000	24,065
Huanxi Media Group, Ltd. (A)	80,000	14,558
Jiayuan International Group, Ltd.	47,625	18,853
Joy City Property, Ltd.	328,000	20,086
Ju Teng International Holdings, Ltd.	130,000	38,924
Kingboard Holdings, Ltd.	88,130	371,838

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Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Kingboard Laminates Holdings, Ltd.	97,000	\$ 158,490
Kunlun Energy Company, Ltd.	410,000	355,341
Lee & Man Paper Manufacturing, Ltd.	129,000	105,852
Lee's Pharmaceutical Holdings, Ltd.	54,000	32,760
Lifestyle China Group, Ltd. (A)	42,000	5,693
Min Xin Holdings, Ltd.	24,000	11,674
Mingyuan Medicare Development Company, Ltd. (A)(D)	1,300,000	0
Minmetals Land, Ltd.	118,000	13,252
New World Department Store China, Ltd. (A)	34,000	5,135
Nine Dragons Paper Holdings, Ltd.	185,000	262,986
Overseas Chinese Town Asia Holdings, Ltd.	52,000	10,786
PAX Global Technology, Ltd.	104,000	92,568
Poly Property Group Company, Ltd.	266,453	77,902
Pou Sheng International Holdings, Ltd. (A)	175,000	41,563
Prinx Chengshan Cayman Holding, Ltd.	7,500	8,091
Shanghai Industrial Holdings, Ltd.	37,000	50,567
Shanghai Industrial Urban Development Group, Ltd.	359,400	38,058
Shanghai Zendai Property, Ltd. (A)	765,000	4,417
Shenzhen International Holdings, Ltd.	109,163	176,375
Shenzhen Investment, Ltd.	331,271	113,674
Shimao Group Holdings, Ltd.	142,500	453,907
Shougang Fushan Resources Group, Ltd.	272,565	64,090
Silver Grant International Holdings Group, Ltd. (A)	160,000	18,794
Sino Biopharmaceutical, Ltd.	938,000	904,599
Sinofert Holdings, Ltd. (A)	300,000	29,450
Sinopec Kantons Holdings, Ltd.	160,000	55,762
Skyworth Group, Ltd. (A)	117,190	32,675
SSY Group, Ltd.	128,000	72,631
Symphony Holdings, Ltd.	20,000	2,219
TCL Electronics Holdings, Ltd. (A)	114,600	86,028
Texhong Textile Group, Ltd.	32,000	27,511
The Wharf Holdings, Ltd.	5,000	13,430
Tian An China Investment Company, Ltd.	54,000	32,303
Tianjin Port Development Holdings, Ltd.	478,000	38,818
Tomson Group, Ltd.	45,714	11,321
Tongda Group Holdings, Ltd.	590,000	43,389
United Energy Group, Ltd. (A)	160,000	31,600
Vinda International Holdings, Ltd.	26,000	71,100
Wasion Holdings, Ltd.	90,000	26,506
Yuexiu Property Company, Ltd.	829,542	166,911
Zhuhai Holdings Investment Group, Ltd. (A)	50,000	12,715
		18,899,131
Hungary - 0.2%		
MOL Hungarian Oil & Gas PLC (A)	53,879	397,229
India - 11.5%		
ACC, Ltd.	5,847	129,803
Adani Enterprises, Ltd.	21,676	141,839
Adani Gas, Ltd.	3,434	17,732
Adani Green Energy, Ltd. (A)	15,971	229,908
Adani Ports & Special Economic Zone, Ltd.	47,493	313,088
Adani Transmission, Ltd. (A)	9,644	57,549
Aditya Birla Capital, Ltd. (A)	55,560	64,485
Allcargo Logistics, Ltd.	10,467	19,202
Ambuja Cements, Ltd.	55,925	190,531
Apollo Tyres, Ltd.	28,578	69,773
Arvind Fashions, Ltd. (A)	4,243	8,960
Arvind, Ltd. (A)	12,009	7,695
Ashok Leyland, Ltd.	97,225	127,635

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Aster DM Healthcare, Ltd. (A)(B)	4,365	\$ 9,972
Aurobindo Pharma, Ltd.	33,905	426,352
Axis Bank, Ltd. (A)	125,549	1,066,167
Bajaj Holdings & Investment, Ltd.	4,180	176,589
Balmer Lawrie & Company, Ltd.	11,041	19,379
Balrampur Chini Mills, Ltd. (A)	22,314	52,604
Bank of Baroda (A)	88,922	74,789
BEML, Ltd.	1,822	24,180
Bharat Electronics, Ltd.	59,808	98,939
Bharat Forge, Ltd.	10,204	73,426
Bharat Heavy Electricals, Ltd. (A)	72,839	35,809
Bharti Airtel, Ltd.	9,061	63,254
Birla Corp., Ltd.	4,591	45,335
Birlasoft, Ltd.	13,384	45,568
Brigade Enterprises, Ltd.	12,969	44,394
BSE, Ltd.	724	6,148
Cadila Healthcare, Ltd.	20,881	136,256
Canara Bank (A)	9,205	16,289
Ceat, Ltd.	2,623	38,884
Chambal Fertilizers & Chemicals, Ltd.	19,376	60,242
Chennai Super Kings Cricket, Ltd. (A)(D)	207,315	6,384
Cholamandalam Financial Holdings, Ltd.	5,037	37,051
Cipla, Ltd.	35,701	400,466
Container Corp. of India, Ltd.	14,589	79,578
Cyient, Ltd.	5,147	36,309
Dalmia Bharat, Ltd.	2,887	42,806
DB Corp., Ltd.	6,129	6,881
DCB Bank, Ltd. (A)	23,624	38,874
DCM Shriram, Ltd.	8,327	45,088
Dhani Services, Ltd.	3,974	17,337
Dishman Carbogen Amcis, Ltd. (A)	5,361	10,234
DLF, Ltd.	42,524	135,241
Edelweiss Financial Services, Ltd. (A)	46,814	43,923
EID Parry India, Ltd. (A)	12,265	57,607
Exide Industries, Ltd.	26,285	68,902
Federal Bank, Ltd. (A)	191,615	175,485
Finolex Industries, Ltd.	5,072	45,043
Firstsource Solutions, Ltd.	16,189	22,628
Fortis Healthcare, Ltd. (A)	23,713	50,152
GAIL India, Ltd.	196,137	331,950
General Insurance Corp. of India (A)(B)	8,025	15,257
GHCL, Ltd.	6,390	18,057
Glenmark Pharmaceuticals, Ltd.	13,855	93,385
Granules India, Ltd.	18,738	90,510
Grasim Industries, Ltd.	29,668	375,255
Gujarat Alkalies & Chemicals, Ltd.	3,130	15,224
Gujarat Ambuja Exports, Ltd.	15,820	25,610
Gujarat Fluorochemicals, Ltd. (A)	5,323	41,421
Gujarat Narmada Valley Fertilizers & Chemicals, Ltd.	10,255	31,510
Gujarat Pipavav Port, Ltd.	15,449	20,483
Gujarat State Petronet, Ltd.	22,857	69,260
Hero MotoCorp, Ltd.	389	16,558
HFCL, Ltd. (A)	95,724	33,731
HIL, Ltd.	588	18,474
Hindalco Industries, Ltd.	140,404	461,246
ICICI Bank, Ltd. (A)	223,707	1,641,776
ICICI Bank, Ltd., ADR (A)	23,334	346,743
IDFC First Bank, Ltd. (A)	126,067	63,903
IDFC, Ltd. (A)	67,378	34,259
IIFL Finance, Ltd.	31,743	49,395
IIFL Securities, Ltd.	47,890	31,509
IIFL Wealth Management, Ltd.	2,557	35,259
Indiabulls Housing Finance, Ltd.	33,338	100,450
Indiabulls Real Estate, Ltd. (A)	41,734	46,689

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Indian Bank (A)	13,953	\$ 16,365
Indus Towers, Ltd.	32,463	102,450
IndusInd Bank, Ltd. (A)	8,509	104,191
Jagran Prakashan, Ltd. (A)	12,700	7,442
JB Chemicals & Pharmaceuticals, Ltd.	537	7,473
Jindal Saw, Ltd.	29,627	30,842
Jindal Steel & Power, Ltd. (A)	52,794	193,341
JK Cement, Ltd.	2,921	75,933
JK Tyre & Industries, Ltd.	8,887	9,180
JM Financial, Ltd.	33,116	38,104
JSW Energy, Ltd.	51,942	48,358
JSW Steel, Ltd.	103,888	550,449
Jubilant Life Sciences, Ltd.	11,603	133,907
Just Dial, Ltd. (A)	1,950	16,902
Jyothy Labs, Ltd.	5,194	10,405
Kalpataru Power Transmission, Ltd.	9,196	40,424
Kaveri Seed Company, Ltd.	1,661	11,870
Kiri Industries, Ltd.	2,637	19,353
KPIT Technologies, Ltd.	13,384	25,983
KPR Mill, Ltd.	4,562	54,650
KRBL, Ltd.	2,618	8,803
L&T Finance Holdings, Ltd.	60,193	77,055
Larsen & Toubro, Ltd.	49,161	868,730
Laurus Labs, Ltd. (B)	14,325	69,392
LIC Housing Finance, Ltd.	39,247	194,364
Linde India, Ltd.	3,319	44,440
Lupin, Ltd.	23,401	313,476
Maharashtra Scooters, Ltd.	404	21,025
Maharashtra Seamless, Ltd.	4,212	18,464
Mahindra & Mahindra Financial Services, Ltd. (A)	59,708	142,764
Mahindra & Mahindra, Ltd.	68,622	679,041
Mahindra CIE Automotive, Ltd. (A)	17,673	41,501
Mahindra Lifespace Developers, Ltd. (A)	3,463	17,412
Manappuram Finance, Ltd.	27,778	63,150
Max Healthcare Institute, Ltd. (A)	21,489	41,213
MOIL, Ltd.	14,559	28,720
Mphasis, Ltd.	8,915	188,238
MRF, Ltd.	99	102,589
Muthoot Finance, Ltd.	6,646	109,841
NCC, Ltd.	25,675	20,329
NIIT, Ltd.	6,884	19,105
Nilkamal, Ltd.	1,287	26,419
NMDC, Ltd.	40,445	63,300
Oberoi Realty, Ltd. (A)	6,103	48,442
Omox, Ltd. (A)	5,567	6,256
Persistent Systems, Ltd.	6,511	135,220
Phillips Carbon Black, Ltd.	7,735	18,508
Piramal Enterprises, Ltd.	7,847	152,916
PNB Housing Finance, Ltd. (A)(B)	3,409	16,974
Polyplex Corp., Ltd.	2,563	25,043
Power Finance Corp., Ltd.	90,707	141,856
Prestige Estates Projects, Ltd.	20,468	74,607
PTC India, Ltd.	31,315	25,136
Punjab National Bank (A)	97,317	44,091
Quess Corp., Ltd. (A)(B)	1,882	13,942
Rain Industries, Ltd.	22,684	38,989
Rajesh Exports, Ltd.	8,931	59,448
Ramco Industries, Ltd.	4,270	13,198
Raymond, Ltd. (A)	1,181	5,476
RBL Bank, Ltd. (B)	21,550	68,216
REC, Ltd.	89,160	164,073
Redington India, Ltd.	44,685	81,076
Reliance Industries, Ltd., GDR (B)	124,451	6,785,120
Sharda Cropchem, Ltd.	2,311	8,527

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Shriram City Union Finance, Ltd.	2,480	\$ 36,360
Shriram Transport Finance Company, Ltd.	13,889	199,240
Sobha, Ltd.	5,289	29,636
State Bank of India (A)	109,237	411,080
Steel Authority of India, Ltd. (A)	106,244	107,884
Sterlite Technologies, Ltd.	6,963	17,432
Strides Pharma Science, Ltd.	2,675	32,045
Sun Pharmaceutical Industries, Ltd.	54,244	438,992
Sun TV Network, Ltd.	7,964	52,492
TAKE Solutions, Ltd. (A)	7,707	5,627
Tata Chemicals, Ltd.	6,889	45,089
Tata Consumer Products, Ltd.	31,789	257,519
Tata Motors, Ltd. (A)	220,218	554,550
Tata Steel, Ltd.	34,913	307,924
Tech Mahindra, Ltd.	8,219	109,941
Techno Electric & Engineering Company, Ltd.	7,028	20,792
The Great Eastern Shipping Company, Ltd.	12,279	44,278
The India Cements, Ltd.	20,619	47,767
The Karnataka Bank, Ltd. (A)	7,142	5,658
The Karur Vysya Bank, Ltd. (A)	24,026	15,091
The South Indian Bank, Ltd. (A)	134,442	16,672
Transport Corp. of India, Ltd.	3,182	10,989
Trident, Ltd.	171,050	23,204
Tube Investments of India, Ltd.	1,822	19,964
TV18 Broadcast, Ltd. (A)	95,709	40,610
Uflex, Ltd.	7,789	40,065
Unichem Laboratories, Ltd.	4,453	15,879
UPL, Ltd.	31,035	198,583
Vardhman Textiles, Ltd. (A)	3,223	47,559
Vedanta, Ltd., ADR	61,204	537,371
Vodafone Idea, Ltd. (A)	275,824	40,314
Welspun Corp., Ltd.	14,025	25,667
Welspun Enterprises, Ltd.	9,451	11,287
Welspun India, Ltd.	12,315	11,511
Wipro, Ltd.	183,166	969,590
Wockhardt, Ltd. (A)	4,216	31,197
Yes Bank, Ltd. (A)	196,614	48,273
Zee Entertainment Enterprises, Ltd.	73,055	224,437
		26,857,355
Indonesia - 1.7%		
Adaro Energy Tbk PT	1,772,000	180,585
Adhi Karya Persero Tbk PT	235,600	25,777
AKR Corporindo Tbk PT	49,400	11,193
Alam Sutera Realty Tbk PT (A)	2,635,100	45,440
Aneka Tambang Tbk	219,206	30,232
Asahimas Flat Glass Tbk PT (A)	62,500	12,015
Astra Agro Lestari Tbk PT	49,555	43,531
Astra International Tbk PT	669,200	287,636
Astrindo Nusantara Infrastructure Tbk PT (A)	5,572,200	19,830
Bakrie Telecom Tbk PT (A)(D)	17,557,300	31,241
Bank Danamon Indonesia Tbk PT	132,094	29,543
Bank Mandiri Persero Tbk PT	1,510,240	681,495
Bank Negara Indonesia Persero Tbk PT	591,381	260,407
Bank Pan Indonesia Tbk PT (A)	695,197	52,749
Bank Pembangunan Daerah Jawa Barat Dan Banten Tbk PT	284,100	31,384
Bank Pembangunan Daerah Jawa Timur Tbk PT	625,600	30,285
Bank Tabungan Negara Persero Tbk PT	376,361	46,272
Barito Pacific Tbk PT (A)	229,300	17,971
Bekasi Fajar Industrial Estate Tbk PT (A)	817,800	10,487
BISI International Tbk PT	290,800	21,322
Blue Bird Tbk PT (A)	5,500	509

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Indonesia (continued)		
Bukit Asam Tbk PT	380,100	\$ 76,140
Bumi Serpong Damai Tbk PT (A)	499,400	43,644
Ciputra Development Tbk PT	1,290,744	90,593
Delta Dunia Makmur Tbk PT (A)	610,700	15,328
Elnusa Tbk PT	742,600	18,621
Erajaya Swasembada Tbk PT (A)	222,700	34,975
Indah Kiat Pulp & Paper Corp. Tbk PT	279,700	207,832
Indika Energy Tbk PT	225,300	27,787
Indo Tambangraya Megah Tbk PT	34,600	34,149
Indofood Sukses Makmur Tbk PT (A)	483,100	235,629
Intiland Development Tbk PT (A)	1,316,300	20,608
Japfa Comfeed Indonesia Tbk PT	499,770	52,164
Jaya Real Property Tbk PT	215,500	9,206
Kawasan Industri Jababeka Tbk PT (A)	2,384,099	36,268
Lippo Karawaci Tbk PT (A)	4,020,148	61,312
Malindo Feedmill Tbk PT (A)	128,500	6,777
Medco Energi Internasional Tbk PT (A)	1,194,526	50,212
Media Nusantara Citra Tbk PT (A)	718,600	58,389
Pabrik Kertas Tjiwi Kimia Tbk PT	70,100	49,241
Paninvest Tbk PT (A)	116,800	7,184
Perusahaan Perkebunan London Sumatra Indonesia Tbk PT	318,000	31,164
PP Persero Tbk PT	292,600	38,933
Salim Ivomas Pratama Tbk PT (A)	670,100	20,065
Sentul City Tbk PT (A)	3,615,400	12,864
Siloam International Hospitals Tbk PT (A)	36,900	14,447
Sri Rejeki Isman Tbk PT	1,260,900	23,530
Suryainti Permata Tbk PT (A)(D)	1,446,000	0
Tiga Pilar Sejahtera Food Tbk (A)	1,428,300	39,641
Trias Sentosa Tbk PT	512,800	15,244
Truba Alam Manunggal Engineering PT (A)(D)	11,991,500	0
Tunas Baru Lampung Tbk PT	484,800	32,287
United Tractors Tbk PT	202,200	383,229
Vale Indonesia Tbk PT (A)	224,100	81,500
Waskita Beton Precast Tbk PT	1,406,800	27,468
Waskita Karya Persero Tbk PT	533,700	54,772
Wijaya Karya Persero Tbk PT	349,400	49,424
XL Axiata Tbk PT	403,300	78,439
		3,908,970
Malaysia - 2.0%		
Aeon Company M BHD	28,600	7,620
AFFIN Bank BHD	127,305	58,315
AirAsia Group BHD (A)	217,600	48,148
Alliance Bank Malaysia BHD (A)	129,100	93,568
AMMB Holdings BHD	204,262	185,633
Batu Kawan BHD	3,100	13,805
Berjaya Assets BHD (A)	77,400	7,702
Berjaya Corp. BHD (A)	439,496	20,779
Berjaya Land BHD (A)	244,400	11,566
BIMB Holdings BHD	25,400	26,932
Boustead Holdings BHD (A)	116,088	18,092
Cahaya Mata Sarawak BHD	52,100	27,530
CIMB Group Holdings BHD	567,823	607,946
Cypark Resources BHD (A)	54,200	18,266
DRB-Hicom BHD	93,400	48,417
Eastern & Oriental BHD	96,737	11,209
Eco World Development Group BHD (A)	84,300	10,326
Ekovest BHD (C)	146,600	19,049
FGV Holdings BHD	198,000	63,130
Gamuda BHD	99,430	96,376
Genting BHD	183,000	203,262
Genting Malaysia BHD	247,000	165,599
HAP Seng Consolidated BHD	8,620	18,447
Hengyuan Refining Company BHD (A)	28,800	42,966

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Malaysia (continued)		
HeveaBoard BHD	105,300	\$ 18,772
Hong Leong Financial Group BHD	33,099	148,927
IM Corp. BHD	264,060	113,861
Insas BHD	88,369	20,733
JAKS Resources BHD (A)	177,060	30,683
Jaya Tiasa Holdings BHD (A)	58,826	13,234
Keck Seng Malaysia BHD (A)	11,300	10,793
Land & General BHD (A)	437,820	14,164
Lotte Chemical Titan Holding BHD (B)	29,800	20,597
Magnum BHD	132,714	75,311
Mah Sing Group BHD	192,300	41,803
Malayan Banking BHD	331,537	697,949
Malaysia Airports Holdings BHD	36,700	54,115
Malaysia Building Society BHD	184,128	30,969
Malaysian Resources Corp. BHD	202,400	23,990
Matrix Concepts Holdings BHD	17,400	7,661
MBM Resources BHD	11,400	9,622
MISC BHD	106,200	181,667
MKH BHD	49,230	16,914
MMC Corp. BHD	68,600	15,394
MNRB Holdings BHD	36,891	8,975
Muhibbah Engineering (M) BHD	69,300	17,282
Oriental Holdings BHD	44,420	60,005
OSK Holdings BHD	212,897	47,717
Pos Malaysia BHD (A)	30,900	9,332
PPB Group BHD	30,500	140,502
RHB Bank BHD	140,789	191,053
Sapura Energy BHD (A)	1,155,500	35,971
Sime Darby BHD	307,400	176,933
Sime Darby Property BHD	271,300	44,907
SP Setia BHD Group	173,900	42,919
Sunway BHD	140,407	56,236
Ta Ann Holdings BHD	50,348	38,043
Tan Chong Motor Holdings BHD	6,300	1,976
Tropicana Corp. BHD (A)	161,380	34,137
UEM Edgenta BHD	32,900	15,646
UEM Sunrise BHD (A)	372,300	45,917
UMW Holdings BHD	48,800	41,350
United Malacca BHD	11,900	15,080
UOA Development BHD	106,900	44,936
Velesto Energy BHD (A)	428,800	14,932
Vivocom International Holdings BHD (A)	51,766	11,046
WCT Holdings BHD (A)	192,558	25,486
YNH Property BHD	34,619	23,743
YTL Corp. BHD (A)	602,137	114,686
		4,630,652
Mexico - 2.4%		
Alfa SAB de CV, Class A (C)	370,181	266,388
Alpek SAB de CV (C)	49,200	42,600
Arca Continental SAB de CV	25,987	124,271
Banco del Bajío SA (A)(B)(C)	68,070	94,650
Cemex SAB de CV, Series CPO (A)	1,109,474	573,707
Coca-Cola Femsa SAB de CV	23,422	107,873
Consorcio ARA SAB de CV (A)	25,993	4,990
Controladora Nemark SAB de CV (A)	370,181	49,111
Corp. Actinver SAB de CV (A)	16,024	7,972
Credito Real SAB de CV (A)(C)	47,738	29,099
El Puerto de Liverpool SAB de CV, Series CI (A)	13,794	48,343
Fomento Economico Mexicano SAB de CV	4,256	32,280
Gentera SAB de CV (A)(C)	115,192	57,482
Grupo Carso SAB de CV, Series A1 (A)(C)	34,769	115,230
Grupo Cementos de Chihuahua SAB de CV	14,906	90,277

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mexico (continued)		
Grupo Comercial Chedraui SA de CV	28,776	\$ 41,502
Grupo Elektra SAB de CV	1,530	101,298
Grupo Financiero Banorte SAB de CV, Series O (A)	183,982	1,013,776
Grupo Financiero Inbursa SAB de CV, Series O (A)	145,540	146,421
Grupo KUO SAB de CV, Series B	51,692	123,856
Grupo Mexico SAB de CV, Series B	242,225	1,027,230
Grupo Pochteca SAB de CV (A)	9,600	2,890
Grupo Sanborns SAB de CV (A)	135,592	131,235
Grupo Sports World SAB de CV (A)	10,769	3,794
Grupo Televisa SAB, Series CPO (A)	202,588	332,090
Industrias Bachoco SAB de CV, Series B	14,121	53,235
Industrias CH SAB de CV, Series B	21,296	101,132
Industrias Penoles SAB de CV (A)	8,071	137,210
Minera Frisco SAB de CV, Series A1 (A)	70,737	14,397
Minera Frisco SAB de CV, Series A2 (A)(C)	97,266	19,894
Nemak SAB de CV (B)(C)	122,637	35,251
Orbia Advance Corp. SAB de CV (C)	82,670	194,383
Organizacion Cultiba SAB de CV	51,197	43,995
Organizacion Soriana SAB de CV, Series B (A)	219,650	223,519
Promotora y Operadora de Infraestructura SAB de CV	6,552	58,094
Promotora y Operadora de Infraestructura SAB de CV, L Shares	3,141	17,045
Unifin Financiera SAB de CV (A)(C)	31,282	43,230
Vitro SAB de CV, Series A (A)	6,357	10,219
		5,519,969
Philippines - 1.0%		
Alliance Global Group, Inc.	382,700	84,493
Ayala Corp.	11,030	189,784
Bank of the Philippine Islands	74,260	125,667
BDO Unibank, Inc.	154,227	343,380
Cebu Air, Inc. (A)	27,720	29,155
China Banking Corp.	75,528	39,226
Cosco Capital, Inc.	388,900	45,853
DMCI Holdings, Inc.	144,200	16,983
East West Banking Corp. (A)	74,300	16,699
EEL Corp. (A)	43,000	6,797
Filinvest Development Corp.	119,475	23,502
Filinvest Land, Inc.	937,500	21,870
First Philippine Holdings Corp.	29,660	47,584
Global Ferronickel Holdings, Inc. (A)	283,424	16,048
GT Capital Holdings, Inc.	4,619	56,287
JG Summit Holdings, Inc.	217,932	325,398
LT Group, Inc.	159,800	43,549
Megaworld Corp.	839,700	71,318
Metropolitan Bank & Trust Company	130,973	133,809
Nickel Asia Corp.	533,320	62,335
Petron Corp.	289,400	24,040
Philix Mining Corp.	161,300	16,616
Philippine National Bank (A)	65,310	39,923
Philtown Properties, Inc. (A)(D)	3,844	123
Phoenix Petroleum Philippines, Inc.	22,200	5,786
Premium Leisure Corp.	815,000	7,551
RFM Corp.	133,500	12,669
Rizal Commercial Banking Corp.	62,703	24,612
Robinsons Land Corp.	330,768	145,902
Robinsons Retail Holdings, Inc.	16,680	22,609
San Miguel Corp.	61,850	164,902
Security Bank Corp.	15,410	42,995
Top Frontier Investment Holdings, Inc. (A)	37,884	110,365
Union Bank of the Philippines	43,950	65,745

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Philippines (continued)		
Vista Land & Lifescapes, Inc.	569,000	\$ 55,496
		2,439,071
Poland - 0.7%		
Alior Bank SA (A)	8,706	39,587
Bank Millennium SA (A)	57,979	50,799
Ciech SA (A)	2,826	24,437
Develia SA	22,340	11,838
Enea SA (A)	24,198	42,585
Grupa Azoty SA (A)	4,728	34,876
Grupa Lotos SA	4,036	44,806
Jastrzebska Spolka Weglowa SA (A)	2,583	18,040
KGHM Polska Miedz SA (A)	12,621	621,718
Lubelski Wegiel Bogdanka SA (A)	2,164	11,164
mBank SA (A)	914	44,092
PGE Polska Grupa Energetyczna SA (A)	63,994	111,837
PKP Cargo SA (A)	5,709	20,959
Polski Koncern Naftowy ORLEN SA	30,903	478,421
Powszechna Kasa Oszczednosci Bank Polski SA (A)	12,049	93,011
Stalexport Autostrady SA	15,820	14,445
Tauron Polska Energia SA (A)	64,088	46,841
		1,709,456
Russia - 1.2%		
Gazprom PJSC, ADR	196,506	1,097,121
LUKOIL PJSC, ADR	22,853	1,554,302
Rosneft Oil Company PJSC, GDR	6,015	33,916
RusHydro PJSC, ADR	74,896	80,564
VTB Bank PJSC, GDR (A)	86,297	82,337
		2,848,240
South Africa - 3.9%		
Absa Group, Ltd.	53,337	436,037
AECI, Ltd.	11,686	68,694
African Oxygen, Ltd.	7,992	13,550
African Rainbow Minerals, Ltd.	10,677	190,267
Alexander Forbes Group Holdings, Ltd.	120,790	32,487
Alviva Holdings, Ltd.	22,754	14,420
AngloGold Ashanti, Ltd.	4,187	96,504
Aspen Pharmacare Holdings, Ltd. (A)	24,524	209,696
Astral Foods, Ltd.	4,628	43,859
Balwin Properties, Ltd.	6,271	1,956
Barloworld, Ltd.	29,177	180,762
Blue Label Telecoms, Ltd. (A)	44,582	11,731
Caxton & CTP Publishers & Printers, Ltd. (A)	19,879	7,459
DataTec, Ltd. (A)	17,642	29,487
Discovery, Ltd.	28,018	292,907
Distell Group Holdings, Ltd.	3,034	19,628
Exxaro Resources, Ltd.	21,211	201,258
FirstRand, Ltd.	137,017	477,424
Gold Fields, Ltd., ADR	64,925	601,855
Grindrod, Ltd.	84,437	28,879
Harmony Gold Mining Company, Ltd. (A)	10,790	51,573
Hudaco Industries, Ltd.	5,065	27,944
Impala Platinum Holdings, Ltd.	47,215	649,873
Imperial Logistics, Ltd.	19,928	50,583
Investec, Ltd.	25,084	62,539
KAP Industrial Holdings, Ltd. (A)	320,850	69,473
Lewis Group, Ltd.	14,408	21,836
Liberty Holdings, Ltd.	15,664	66,688
Life Healthcare Group Holdings, Ltd. (A)	120,405	137,460
Long4Life, Ltd. (A)	31,563	7,069
Massmart Holdings, Ltd. (A)	9,208	26,380
Metair Investments, Ltd.	28,785	36,722
Momentum Metropolitan Holdings	112,808	121,002

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Africa (continued)		
Motus Holdings, Ltd. (A)	14,065	\$ 53,578
Mpact, Ltd.	23,460	22,171
MTN Group, Ltd.	198,567	819,521
Murray & Roberts Holdings, Ltd. (A)	60,191	32,913
Nedbank Group, Ltd.	29,166	257,566
Ninety One, Ltd.	12,542	37,715
Oceana Group, Ltd.	2,614	11,474
Old Mutual, Ltd.	238,727	193,740
Omnia Holdings, Ltd. (A)	26,143	82,083
Pepkor Holdings, Ltd. (B)	42,396	39,295
PPC, Ltd. (A)	168,790	15,892
Raubex Group, Ltd.	31,032	45,229
RCL Foods, Ltd.	35,643	20,535
Reunert, Ltd.	22,587	55,408
Sanlam, Ltd.	33,478	133,623
Sappi, Ltd. (A)	61,862	138,249
Sasol, Ltd. (A)	38,091	346,443
Sibanye Stillwater, Ltd.	203,741	821,140
Standard Bank Group, Ltd.	110,671	958,516
Super Group, Ltd. (A)	49,845	79,325
Telkom SA SOC, Ltd.	37,622	78,608
The Bidvest Group, Ltd.	15,088	161,552
The Foschini Group, Ltd. (A)	30,762	215,010
Tiger Brands, Ltd.	12,335	175,345
Trencor, Ltd.	40,666	11,132
Tsogo Sun Gaming, Ltd. (A)	30,381	10,528
Wilson Bayly Holmes-Ovcon, Ltd. (A)	7,646	47,181
		9,151,774
South Korea - 15.3%		
Aekyung Petrochemical Company, Ltd. (A)	2,084	17,173
AJ Networks Company, Ltd. (A)	2,832	12,047
AK Holdings, Inc. (A)	743	17,223
Asia Cement Company, Ltd. (A)	32	2,139
ASIA Holdings Company, Ltd. (A)	241	20,093
BNK Financial Group, Inc. (A)	31,490	164,964
Bookook Securities Company, Ltd. (A)	501	9,840
Busan City Gas Company, Ltd. (A)	58	2,723
Chosun Refractories Company, Ltd. (A)	338	25,104
CJ CheilJedang Corp. (A)	1,034	363,163
CJ Corp. (A)	2,236	189,821
CJ Freshway Corp. (A)	575	10,106
CJ Logistics Corp. (A)	826	125,994
D.I Corp. (A)	4,680	20,617
Dae Dong Industrial Company, Ltd. (A)	3,364	21,158
Dae Han Flour Mills Company, Ltd. (A)	232	35,502
Dae Won Kang Up Company, Ltd. (A)	4,385	15,457
Daelim Industrial Company, Ltd. (A)	3,627	279,574
Daesang Corp. (A)	2,028	48,733
Daesang Holdings Company, Ltd. (A)	2,310	21,722
Daewoo Engineering & Construction Company, Ltd. (A)	24,993	114,868
Dahaam E-Tec Company, Ltd. (A)	2,630	89,821
Daihan Pharmaceutical Company, Ltd. (A)	563	17,097
Daishin Securities Company, Ltd. (A)	3,901	46,770
Daou Data Corp. (A)	1,778	20,978
Daou Technology, Inc. (A)	3,359	67,840
DB Financial Investment Company, Ltd. (A)	7,633	32,789
DB Insurance Company, Ltd. (A)	6,507	262,237
DB, Inc. (A)	19,825	14,555
Deutsch Motors, Inc.	3,904	26,663
DGB Financial Group, Inc. (A)	22,082	138,352
DI Dong Il Corp. (A)	216	29,113
Dongkuk Industries Company, Ltd. (A)	8,476	26,537
Dongkuk Steel Mill Company, Ltd. (A)	6,404	47,950

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Dongwon Development Company, Ltd. (A)	9,567	\$ 44,607
Dongwon F&B Company, Ltd. (A)	122	20,116
Dongwon Industries Company, Ltd. (A)	176	36,067
Doosan Bobcat, Inc. (A)	4,079	111,685
Doosan Company, Ltd.	554	26,770
Doosan Fuel Cell Company, Ltd. (A)	2,095	103,431
Doosan Infracore Company, Ltd. (A)(C)	19,096	139,520
DTR Automotive Corp.	1,179	27,966
Easy Bio, Inc. (A)(D)	477	13,897
Easy Holdings Company, Ltd. (A)	3,872	14,631
E-MART, Inc. (A)	1,480	206,670
Eugene Corp. (A)	6,888	29,975
Eugene Investment & Securities Company, Ltd. (A)	11,471	41,806
Eusu Holdings Company, Ltd. (A)	1,407	7,440
Farmsco (A)	2,687	11,962
GS Engineering & Construction Corp. (A)	7,532	262,502
GS Global Corp. (A)	7,813	13,971
GS Holdings Corp. (A)	6,453	223,270
GS Home Shopping, Inc. (A)	370	47,454
Gwangju Shinsegae Company, Ltd. (A)	152	21,442
Halla Holdings Corp.	1,446	49,879
Hana Financial Group, Inc.	35,399	1,127,506
Handsome Company, Ltd. (A)	1,545	43,082
Hanil Holdings Company, Ltd.	2,975	29,883
Hanjin Transportation Company, Ltd. (A)	1,052	46,365
Hankook Tire & Technology Company, Ltd. (A)	9,820	356,763
Hanshin Construction Company, Ltd. (A)	1,844	28,467
Hansol Holdings Company, Ltd. (A)	5,241	17,812
Hansol Paper Company, Ltd.	2,920	37,294
Hansol Technics Company, Ltd. (A)	3,325	31,139
Hanwha Aerospace Company, Ltd. (A)	2,248	59,078
Hanwha Corp. (A)	4,500	117,519
Hanwha General Insurance Company, Ltd. (A)	5,427	19,182
Hanwha Investment & Securities Company, Ltd. (A)	15,071	30,563
Hanwha Life Insurance Company, Ltd. (A)	43,282	97,466
Hanwha Solutions Corp. (A)	9,430	416,881
Harim Holdings Company, Ltd. (A)	5,472	45,438
Heungkuk Fire & Marine Insurance Company, Ltd. (A)	6,321	16,481
Hitejinro Holdings Company, Ltd. (A)	995	13,797
Huvis Corp. (A)	3,715	28,242
Huvitz Company, Ltd. (A)	1,341	9,208
Hyosung Corp. (A)	1,204	84,819
Hyosung Heavy Industries Corp. (A)	742	42,611
Hyundai Construction Equipment Company, Ltd. (A)	1,613	48,778
Hyundai Corp. (A)	1,339	19,715
Hyundai Corp. Holdings, Inc. (A)	1,811	18,770
Hyundai Department Store Company, Ltd. (A)	1,847	121,685
Hyundai Electric & Energy System Company, Ltd. (A)	2,220	33,605
Hyundai Engineering & Construction Company, Ltd. (A)	7,065	243,959
Hyundai Futurenet Company, Ltd. (A)	8,894	31,608
Hyundai Greenfood Company, Ltd. (A)	5,234	42,260
Hyundai Heavy Industries Holdings Company, Ltd. (A)	716	187,208
Hyundai Home Shopping Network Corp. (A)	652	49,046

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Hyundai Livart Furniture Company, Ltd. (A)	1,327	\$ 19,524
Hyundai Marine & Fire Insurance Company, Ltd. (A)	8,489	177,989
Hyundai Mipo Dockyard Company, Ltd. (A)	3,037	134,474
Hyundai Mobis Company, Ltd. (A)	4,537	1,067,856
Hyundai Motor Company	9,379	1,662,456
Hyundai Motor Securities Company, Ltd. (A)	3,480	40,433
Hyundai Steel Company (A)	6,801	248,565
Hyundai Wia Corp. (A)	2,177	107,534
Industrial Bank of Korea	26,166	213,373
Interpark Corp. (A)	5,387	10,669
INTOPS Company, Ltd.	1,374	38,215
Iones Company, Ltd. (A)	4,034	26,416
Jahwa Electronics Company, Ltd. (A)	2,057	43,276
JB Financial Group Company, Ltd. (A)	16,807	87,351
Jeil Savings Bank (A)(D)	1,820	0
KAON Media Company, Ltd. (A)	3,214	18,916
KB Financial Group, Inc.	5,839	231,908
KB Financial Group, Inc., ADR	39,288	1,555,805
KC Company, Ltd. (A)	1,496	38,176
KCC Corp.	347	63,182
KCC Glass Corp. (A)	939	31,875
Kia Motors Corp. (A)	20,872	1,202,577
KISCO Corp. (A)	4,131	24,894
KISCO Holdings Company, Ltd. (A)	1,536	20,091
KISWIRE, Ltd. (A)	1,554	21,049
KIWOOM Securities Company, Ltd. (A)	1,432	167,286
Kolmar Korea Holdings Company, Ltd. (A)	1,323	31,670
Kolon Corp. (A)	898	18,063
Kolon Industries, Inc. (A)	2,219	84,009
Korea Asset In Trust Company, Ltd.	9,060	32,896
Korea Electric Terminal Company, Ltd.	561	32,168
Korea Investment Holdings Company, Ltd. (A)	4,028	293,514
Korea Line Corp. (A)	25,690	71,978
Korea Petrochemical Industrial Company, Ltd. (A)	441	93,571
Korea Real Estate Investment & Trust Company, Ltd. (A)	14,635	27,242
Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	2,882	288,638
Korea Zinc Company, Ltd. (A)	845	312,920
Korean Air Lines Company, Ltd. (A)	9,135	229,285
Korean Reinsurance Company (A)	9,470	68,857
Kortek Corp. (A)	1,806	14,961
KPX Chemical Company, Ltd.	660	33,376
KSS LINE, Ltd. (A)	3,562	33,972
KT Skylife Company, Ltd. (A)	1,768	14,358
KT&G Corp.	2,902	222,193
KTB Investment & Securities Company, Ltd. (A)	8,806	25,884
Kukdo Chemical Company, Ltd. (A)	308	15,322
Kumho Tire Company, Inc. (A)	7,054	24,561
Kyeryong Construction Industrial Company, Ltd. (A)	1,547	39,928
LF Corp. (A)	2,312	31,329
LG Corp. (A)	6,678	538,867
LG Display Company, Ltd., ADR	58,346	492,440
LG Electronics, Inc.	15,640	1,947,519
LG Hausys, Ltd. (A)	659	47,375
LG HelloVision Company, Ltd. (A)	3,836	13,721
LG International Corp. (A)	2,902	66,107

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
LG Uplus Corp. (A)	18,651	\$ 201,959
Lotte Chemical Corp. (A)	1,193	303,765
Lotte Chilsung Beverage Company, Ltd. (A)	305	30,481
Lotte Corp. (A)	2,012	65,452
LOTTE Fine Chemical Company, Ltd. (A)	1,849	94,108
Lotte Food Company, Ltd. (A)	34	10,382
LOTTE Himart Company, Ltd. (A)	1,006	28,905
Lotte Non-Life Insurance Company, Ltd. (A)	5,459	8,803
Lotte Shopping Company, Ltd. (A)	1,153	109,046
LS Corp. (A)	1,793	118,138
Mando Corp. (A)	1,208	65,531
Meritz Financial Group, Inc. (A)	4,707	42,568
Meritz Fire & Marine Insurance Company, Ltd. (A)	7,460	100,385
Meritz Securities Company, Ltd. (A)	35,902	121,384
Mirae Asset Daewoo Company, Ltd. (A)	33,985	295,924
Mirae Asset Life Insurance Company, Ltd. (A)	12,332	43,761
MK Electron Company, Ltd. (A)	4,085	39,758
Muhak Company, Ltd. (A)	2,080	13,773
Namyang Dairy Products Company, Ltd. (A)	58	15,224
Nexen Corp. (A)	3,733	15,936
Nexen Tire Corp. (A)	6,465	36,845
NH Investment & Securities Company, Ltd. (A)	12,340	128,596
NHN Corp. (A)	941	64,726
Nong Shim Holdings Company, Ltd. (A)	402	28,660
NongShim Company, Ltd. (A)	255	70,492
NS Shopping Company, Ltd. (A)	1,078	12,009
OCI Company, Ltd. (A)	1,606	137,707
Orion Holdings Corp. (A)	2,756	33,517
Paik Kwang Industrial Company, Ltd. (A)	8,300	25,387
Pan Ocean Company, Ltd. (A)	26,446	122,392
Paradise Company, Ltd. (A)	2,760	38,939
Poonglim Industrial Company, Ltd. (A)(D)	189	14
Poongsan Corp. (A)	2,423	62,482
Poongsan Holdings Corp. (A)	753	19,775
POSCO	6,287	1,570,992
Posco International Corp. (A)	5,969	80,077
Rayence Company, Ltd. (A)	1,351	13,641
S&T Dynamics Company, Ltd.	2,942	15,960
S&T Holdings Company, Ltd.	1,460	20,042
S&T Motiv Company, Ltd.	1,396	63,565
Sam Young Electronics Company, Ltd. (A)	938	8,817
Samho Development Company, Ltd. (A)	4,213	16,603
Sammok S-Form Company, Ltd. (A)	1,315	10,445
SAMPYO Cement Company, Ltd. (A)	4,134	15,204
Samsung C&T Corp. (A)	4,883	621,577
Samsung Card Company, Ltd. (A)	3,308	98,999
Samsung Electronics Company, Ltd.	46,827	3,496,831
Samsung Electronics Company, Ltd., GDR	100	181,879
Samsung Fire & Marine Insurance Company, Ltd. (A)	3,605	622,755
Samsung Heavy Industries Company, Ltd. (A)	37,701	244,885
Samsung Life Insurance Company, Ltd. (A)	5,063	369,455
Samsung Securities Company, Ltd. (A)	4,810	179,458
SAMT Company, Ltd. (A)	11,604	25,872
Samyang Corp. (A)	258	14,351
Samyang Holdings Corp. (A)	535	36,720
Sangsangin Company, Ltd. (A)	7,001	41,415

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Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Sebang Company, Ltd. (A)	1,153	\$ 12,372
Sebang Global Battery Company, Ltd. (A)	921	58,354
Sejong Industrial Company, Ltd. (A)	1,547	13,193
SGC e Tec E&C Company, Ltd.	138	7,752
SGC Energy Company, Ltd. (A)	82	2,962
Shindaeyang Paper Company, Ltd. (A)	267	15,699
Shinhan Financial Group Company, Ltd.	2,494	74,005
Shinhan Financial Group Company, Ltd., ADR	44,471	1,323,457
Shinsega Engineering & Construction Company, Ltd. (A)	621	15,366
Shinsega Food Company, Ltd. (A)	268	16,124
Shinsega Information & Communication Company, Ltd. (A)	294	33,976
Shinsega, Inc. (A)	886	195,696
Shinwha Intertek Corp. (A)	4,441	13,451
Shinyoung Securities Company, Ltd.	970	47,063
SK Discovery Company, Ltd. (A)	1,496	90,777
SK Gas, Ltd. (A)	496	47,838
SK Holdings Company, Ltd.	2,806	622,537
SK Hynix, Inc.	10,541	1,151,378
SK Innovation Company, Ltd. (A)	3,778	662,663
SK Networks Company, Ltd. (A)	21,423	95,866
SK Securities Company, Ltd. (A)	27,076	20,029
SL Corp. (A)	1,618	24,253
Solus Advanced Materials Company, Ltd. (A)	1,022	46,694
Sungshin Cement Company, Ltd. (A)	3,637	24,551
Sungwoo Hitech Company, Ltd. (A)	2,984	15,685
Sunjin Company, Ltd. (A)	2,276	23,716
Taekwang Industrial Company, Ltd. (A)	65	47,973
Taeyoung Engineering & Construction Company, Ltd. (A)	2,234	24,322
Tongyang Life Insurance Company, Ltd. (A)	7,644	24,805
Tovis Company, Ltd. (A)	1,305	9,249
TS Corp. (A)	1,273	26,922
TY Holdings Company, Ltd. (A)	2,153	55,014
Unid Company, Ltd.	746	33,211
Wonik Holdings Company, Ltd. (A)	5,948	34,759
Woori Financial Group, Inc. (C)	58,729	526,926
Young Poong Corp. (A)	51	25,283
Youngone Corp.	3,192	93,306
Youngone Holdings Company, Ltd. (A)	920	32,000
Yuanta Securities Korea Company, Ltd. (A)	11,703	33,011
Zeus Company, Ltd. (A)	1,798	47,955
		35,617,188
Taiwan - 16.6%		
Acer, Inc. (C)	256,452	216,382
ACES Electronic Company, Ltd.	18,000	27,135
Advanced International Multitech Company, Ltd.	13,000	18,883
Advantec Enterprise Company, Ltd.	35,186	22,526
AGV Products Corp. (A)	87,716	31,130
Alpha Networks, Inc.	31,773	35,414
AmTRAN Technology Company, Ltd. (A)	53,000	23,636
Apacer Technology, Inc.	11,000	15,419
APCB, Inc.	37,000	27,100
Apex International Company, Ltd.	7,000	17,122
Ardentec Corp.	45,000	62,055
ASE Technology Holding Company, Ltd.	214,000	620,776
Asia Cement Corp.	265,805	409,384
Asia Polymer Corp.	49,615	38,025
Asia Tech Image, Inc.	12,000	22,755
Asia Vital Components Company, Ltd.	38,328	90,497

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Asustek Computer, Inc.	68,000	\$ 607,288
Audix Corp.	21,000	34,379
AVY Precision Technology, Inc.	24,990	22,275
BES Engineering Corp.	212,700	75,798
Capital Securities Corp.	229,403	110,729
Career Technology MFG. Company, Ltd.	61,200	76,416
Casetek Holdings, Ltd.	22,000	68,502
Catcher Technology Company, Ltd. (C)	96,000	705,889
Cathay Financial Holding Company, Ltd.	904,423	1,361,863
Cathay Real Estate Development Company, Ltd.	46,400	32,878
Central Reinsurance Company, Ltd.	31,500	25,491
Champion Building Materials Company, Ltd. (A)	65,132	18,127
Chang Hwa Commercial Bank, Ltd.	463,929	296,515
Channel Well Technology Company, Ltd.	16,000	25,218
CHC Healthcare Group	21,000	29,640
Chen Full International Company, Ltd.	15,000	21,773
Cheng Loong Corp.	68,320	82,766
Cheng Uei Precision Industry Company, Ltd.	56,629	95,245
Chilisin Electronics Corp.	24,000	95,981
China Airlines, Ltd. (A)	264,910	113,900
China Bills Finance Corp.	95,000	50,414
China Chemical & Pharmaceutical Company, Ltd.	34,000	28,590
China Development Financial Holding Corp.	1,043,208	345,444
China General Plastics Corp.	35,700	32,369
China Life Insurance Company, Ltd. (C)	299,682	237,191
China Man-Made Fiber Corp. (A)	171,552	68,493
China Metal Products Company, Ltd.	42,513	48,197
China Motor Corp. (A)	30,250	54,557
China Petrochemical Development Corp.	275,677	114,580
China Steel Corp.	1,321,180	1,164,724
China Wire & Cable Company, Ltd.	26,380	26,734
Chin-Poon Industrial Company, Ltd.	43,571	49,322
Chipbond Technology Corp.	80,000	189,403
ChipMOS Technologies, Inc.	66,938	82,009
Chong Hong Construction Company, Ltd.	10,000	28,513
Chun Yuan Steel Industry Company, Ltd.	50,874	26,010
Chung Hung Steel Corp. (A)	38,625	21,698
Chung Hwa Pulp Corp. (A)	74,977	32,596
Chung-Hsin Electric & Machinery Manufacturing Corp.	46,500	88,892
CMC Magnetics Corp.	152,470	51,617
Compal Electronics, Inc.	523,000	385,957
Compeq Manufacturing Company, Ltd. (C)	111,000	172,463
Continental Holdings Corp.	49,050	36,182
Coretronic Corp.	53,000	76,683
CTBC Financial Holding Company, Ltd.	2,135,348	1,498,741
DA CIN Construction Company, Ltd.	20,000	19,217
Darfon Electronics Corp.	16,000	24,749
Darwin Precisions Corp. (A)	37,000	18,625
Delta Construction Company, Ltd.	3,826	1,912
Depo Auto Parts Industrial Company, Ltd.	21,000	52,261
Dynamic Electronics Company, Ltd. (A)	74,633	51,748
Dynapack International Technology Corp.	10,000	30,098
E Ink Holdings, Inc.	76,000	124,271
E.Sun Financial Holding Company, Ltd.	76,660	69,774
Edom Technology Company, Ltd.	34,000	28,439
Elite Semiconductor Microelectronics Technology, Inc. (C)	35,000	80,859
Elitegroup Computer Systems Company, Ltd. (A)	65,104	60,218

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Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
EnTie Commercial Bank Company, Ltd.	58,000	\$ 33,275
Epistar Corp. (A)	19,312	29,183
Eson Precision Ind Company, Ltd.	12,000	27,063
Eternal Materials Company, Ltd.	12,000	15,631
Eva Airways Corp.	287,725	135,044
Everest Textile Company, Ltd. (A)	52,085	18,303
Evergreen International Storage & Transport Corp.	85,600	61,791
Evergreen Marine Corp. Taiwan, Ltd. (A)	316,655	459,772
Everlight Chemical Industrial Corp.	83,250	50,579
Everlight Electronics Company, Ltd.	59,000	88,851
Excelsior Medical Company, Ltd.	16,573	33,122
Far Eastern Department Stores, Ltd.	148,720	127,157
Far Eastern International Bank	318,553	123,100
Far Eastern New Century Corp.	408,249	421,348
Farglory Land Development Company, Ltd.	28,530	57,217
First Financial Holding Company, Ltd.	933,984	710,732
First Steamship Company, Ltd.	84,809	34,769
Formosa Advanced Technologies Company, Ltd.	25,000	33,693
Formosa Chemicals & Fibre Corp.	194,000	585,367
Formosa Laboratories, Inc. (A)	19,543	32,723
Formosa Plastics Corp.	30,000	103,042
Formosa Taffeta Company, Ltd.	67,000	74,137
Formosan Rubber Group, Inc.	33,020	29,200
Formosan Union Chemical	48,812	27,135
Foxconn Technology Company, Ltd.	74,626	142,161
Froch Enterprise Company, Ltd.	33,060	17,075
Fubon Financial Holding Company, Ltd.	758,417	1,263,033
Fulltech Fiber Glass Corp. (A)	45,000	23,436
G Shank Enterprise Company, Ltd.	40,535	29,905
Gemtek Technology Corp. (A)	32,000	34,759
General Interface Solution Holding, Ltd.	29,000	118,531
Giantplus Technology Company, Ltd.	31,000	13,047
Global Brands Manufacture, Ltd.	40,806	36,818
Globe Union Industrial Corp.	51,750	28,169
Gloria Material Technology Corp.	83,684	51,270
Gold Circuit Electronics, Ltd. (A)	44,000	79,218
Goldsun Building Materials Company, Ltd.	123,540	110,053
Grand Ocean Retail Group, Ltd.	13,000	9,910
Grand Pacific Petrochemical (A)	77,000	65,211
Great China Metal Industry	33,000	27,391
Great Wall Enterprise Company, Ltd.	29,754	53,842
Hannstar Board Corp.	39,750	61,540
HannStar Display Corp. (A)	320,842	140,937
HannsTouch Solution, Inc.	64,000	25,804
Hey Song Corp.	40,000	46,909
Ho Tung Chemical Corp. (A)	150,399	55,797
Hon Hai Precision Industry Company, Ltd.	904,448	2,965,635
Hong Pu Real Estate Development Company, Ltd.	27,000	22,102
Hsing TA Cement Company, Ltd.	38,000	27,093
HUA ENG Wire & Cable Company, Ltd.	42,000	20,520
Hua Nan Financial Holdings Company, Ltd. (C)	594,288	386,326
Hung Sheng Construction, Ltd.	42,240	29,475
IBF Financial Holdings Company, Ltd.	353,740	161,863
Ichia Technologies, Inc.	25,000	16,496
Innolux Corp. (A)(C)	657,561	330,933
Integrated Service Technology, Inc.	9,000	18,486
International CSRC Investment Holdings Company	102,383	94,589
Inventec Corp. (C)	267,000	228,390
Jarllitec Company, Ltd.	9,000	22,633

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Jess-Link Products Company, Ltd.	13,000	\$ 16,866
Jih Sun Financial Holdings Company, Ltd.	276,778	124,178
Kaimei Electronic Corp.	13,300	43,493
Kenda Rubber Industrial Company, Ltd.	39,520	49,202
King Yuan Electronics Company, Ltd.	168,796	209,242
King's Town Bank Company, Ltd.	113,000	156,212
King's Town Construction Company, Ltd. (A)	7,300	10,238
Kinpo Electronics, Inc.	183,269	79,404
Kinsus Interconnect Technology Corp.	22,000	63,535
Kuo Toong International Company, Ltd.	18,248	15,214
L&K Engineering Company, Ltd.	17,000	18,064
Lealea Enterprise Company, Ltd. (A)	90,124	42,406
Lida Holdings, Ltd.	4,640	5,971
Lingsen Precision Industries, Ltd. (A)	73,481	37,353
Lite-On Technology Corp.	164,000	290,974
Longchen Paper & Packaging Company, Ltd.	100,177	83,094
Macronix International	129,000	194,907
Mega Financial Holding Company, Ltd. (C)	745,472	791,234
Mercuries & Associates Holding, Ltd.	47,815	35,300
Mercuries Life Insurance Company, Ltd. (A)	53,094	16,332
Mitac Holdings Corp.	108,316	113,985
MPI Corp.	11,000	44,162
Nan Ya Plastics Corp.	79,000	202,390
Nanya Technology Corp.	148,000	458,844
Nien Hsing Textile Company, Ltd. (A)	27,310	16,828
Nishoku Technology, Inc.	7,800	30,376
O-Bank Company, Ltd.	52,538	12,969
OptoTech Corp. (A)	39,439	38,707
Pacific Construction Company (A)	38,289	13,593
Pan Jit International, Inc.	13,000	25,107
Pan-International Industrial Corp.	44,481	40,700
Pegatron Corp. (C)	250,660	601,780
Pou Chen Corp.	233,348	261,049
President Securities Corp.	95,721	62,730
Prince Housing & Development Corp.	142,555	58,378
Prodisc Technology, Inc. (A)(D)	762,000	0
Qisda Corp.	210,280	217,148
Quanta Storage, Inc.	23,000	31,971
Radium Life Tech Company, Ltd.	102,621	43,984
Rechi Precision Company, Ltd.	20,000	14,892
Ritek Corp. (A)	57,799	22,524
Ruentex Development Company, Ltd.	77,343	112,655
Ruentex Industries, Ltd.	33,000	81,937
Sampo Corp.	43,470	40,354
San Far Property, Ltd.	27,585	15,890
Sanyang Motor Company, Ltd.	48,000	61,045
Sesoda Corp.	42,912	36,908
Shan-Loong Transportation Company, Ltd.	23,000	26,335
Sheng Yu Steel Company, Ltd.	22,000	19,610
ShenMao Technology, Inc.	8,000	8,184
Shihlin Electric & Engineering Corp.	21,000	38,011
Shin Kong Financial Holding Company, Ltd. (C)	893,997	281,148
Shining Building Business Company, Ltd. (A)	55,118	32,328
Shinkong Insurance Company, Ltd.	34,000	46,840
Shinkong Synthetic Fibers Corp.	132,239	67,140
Sigurd Microelectronics Corp.	47,773	77,129
Sincere Navigation Corp.	24,000	19,418
Sinher Technology, Inc.	8,000	13,378
Sinon Corp.	71,650	54,882

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Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
SinoPac Financial Holdings Company, Ltd.	1,133,931	\$ 462,548
Sirtek International Company, Ltd.	23,800	23,545
Siward Crystal Technology Company, Ltd.	20,000	17,222
Sunplus Technology Company, Ltd. (A)	58,000	37,864
Sunrex Technology Corp.	11,678	27,061
Supreme Electronics Company, Ltd.	12,000	14,677
Sweeten Real Estate Development Company, Ltd.	41,547	32,493
Synnex Technology International Corp.	134,000	224,517
TA Chen Stainless Pipe	85,894	95,864
Ta Ya Electric Wire & Cable	54,893	39,374
Taichung Commercial Bank Company, Ltd.	443,266	171,277
Taiflex Scientific Company, Ltd.	24,100	46,956
Tainan Spinning Company, Ltd.	164,638	88,021
Taishin Financial Holding Company, Ltd.	931,233	439,837
Taita Chemical Company, Ltd.	64,086	89,046
Taiwan Business Bank	493,028	170,966
Taiwan Cement Corp. (C)	788,318	1,213,689
Taiwan Chinsan Electronic Industrial Company, Ltd. (A)	14,420	22,793
Taiwan Cooperative Financial Holding Company, Ltd.	813,725	590,016
Taiwan Fertilizer Company, Ltd.	65,000	125,570
Taiwan Fire & Marine Insurance Company, Ltd.	41,000	29,931
Taiwan FU Hsing Industrial Company, Ltd.	31,000	49,538
Taiwan Glass Industry Corp. (A)	112,319	78,141
Taiwan Hon Chuan Enterprise Company, Ltd.	40,000	85,965
Taiwan Kolin Company, Ltd. (A)(D)	327,000	0
Taiwan PCB Techvest Company, Ltd.	36,000	57,032
Taiwan Styrene Monomer Technology Corp.	38,000	25,543
Taiyen Biotech Company, Ltd.	26,225	120,926
Tatung Company, Ltd. (A)	26,137	30,430
Tatung Company, Ltd. (A)	116,000	109,491
Teco Electric & Machinery Company, Ltd.	132,000	130,084
The Ambassador Hotel (A)	29,000	31,312
Thye Ming Industrial Company, Ltd.	31,000	32,686
Ton Yi Industrial Corp. (A)	119,000	50,263
Tong Yang Industry Company, Ltd.	40,627	56,511
Tong-Tai Machine & Tool Company, Ltd.	46,588	26,565
TOPBI International Holdings, Ltd.	8,077	5,279
Topoint Technology Company, Ltd.	29,190	28,776
TPK Holding Company, Ltd. (A)	41,000	67,782
Tsann Kuen Enterprise Company, Ltd.	7,000	5,011
TSRC Corp.	28,000	23,266
Tung Ho Steel Enterprise Corp.	109,000	141,771
TXC Corp.	41,000	109,615
TYC Brother Industrial Company, Ltd.	15,511	13,053
Tycoons Group Enterprise (A)	30,371	8,776
Tyntek Corp.	36,000	22,215
U-Ming Marine Transport Corp.	67,000	88,139
Unimicon Technology Corp.	152,000	474,874
Union Bank of Taiwan	246,021	94,204
Unitech Printed Circuit Board Corp.	74,194	58,794
United Microelectronics Corp.	1,178,794	1,982,451
Universal Cement Corp.	27,483	22,727
Unizyx Holding Corp. (A)	34,000	46,292
UPC Technology Corp.	117,751	80,637
USI Corp.	123,996	99,897
Wah Lee Industrial Corp.	26,000	70,367
Walsin Lihwa Corp.	268,000	184,524
Walton Advanced Engineering, Inc. (A)	72,584	35,739
Wan Hai Lines, Ltd.	69,050	130,301

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Weikeng Industrial Company, Ltd.	25,000	\$ 17,116
Well Shin Technology Company, Ltd.	15,000	27,107
Winbond Electronics Corp.	386,793	401,209
Wintek Corp. (A)(D)	543,000	0
Wisdom Marine Lines Company, Ltd. (A)	46,343	40,377
Wistron Corp.	393,291	435,159
Wistron NeWeb Corp.	13,000	36,027
WPG Holdings, Ltd.	203,400	310,977
WT Microelectronics Company, Ltd.	50,174	72,068
Xcentria Technology Materials Corp.	8,000	17,279
YC INOX Company, Ltd.	63,104	64,163
Yea Shin International Development Company, Ltd. (A)	20,906	12,440
Yem Chio Company, Ltd. (A)	78,324	46,063
Yeong Guan Energy Technology Group Company, Ltd.	13,553	39,818
YFY, Inc.	168,202	176,545
Yi Jinn Industrial Company, Ltd.	51,613	30,349
Yieh Phui Enterprise Company, Ltd. (A)	150,899	73,151
Youngtek Electronics Corp.	17,000	37,587
Yuanta Financial Holding Company, Ltd.	1,223,371	896,229
Yuen Chang Stainless Steel Company, Ltd. (A)	19,007	12,293
Yulon Motor Company, Ltd. (A)	79,470	133,033
Zenitron Corp.	45,000	35,197
Zhen Ding Technology Holding, Ltd.	44,000	179,051
Zig Sheng Industrial Company, Ltd. (A)	67,908	27,088
		38,515,151
Thailand - 2.3%		
AAPICO Hitech PCL (A)	96,320	57,324
Amata Corp. PCL	106,800	57,961
AP Thailand PCL	223,670	54,026
Asia Aviation PCL, NVDR (A)	109,300	8,616
Bangchak Corp. PCL	91,600	62,992
Bangkok Airways PCL	116,100	24,833
Bangkok Bank PCL	12,800	50,872
Bangkok Bank PCL, NVDR	14,500	57,335
Bangkok Insurance PCL	4,550	41,945
Bangkok Land PCL	1,059,200	41,365
Bangkok Life Assurance PCL, NVDR	55,200	38,691
Bangkok Ranch PCL (A)	92,300	7,026
Banpu PCL	401,300	147,439
Berli Jucker PCL	111,800	129,508
Charoen Pokphand Foods PCL	377,100	336,682
GFPT PCL	43,900	20,799
Global Green Chemicals PCL	67,700	21,249
Indorama Ventures PCL	128,800	159,027
IRPC PCL	943,100	117,145
Italian-Thai Development PCL (A)	477,400	17,712
Kasikornbank PCL, NVDR	117,300	442,290
Khon Kaen Sugar Industry PCL	192,600	14,763
Kiatnakin Phatra Bank PCL	19,400	33,489
Krung Thai Bank PCL	265,400	98,252
LH Financial Group PCL	709,300	24,877
LPN Development PCL	52,900	8,234
MBK PCL	45,000	18,924
Millcon Steel PCL	143,086	4,346
Polyplex Thailand PCL	14,000	10,557
Precious Shipping PCL (A)	39,300	9,970
Pruksa Holding PCL	78,800	32,868
PTT Exploration & Production PCL	149,500	490,277
PTT Global Chemical PCL	133,900	261,557
PTT PCL	938,700	1,332,687
Quality Houses PCL	746,900	57,852
Regional Container Lines PCL (A)	94,200	44,641

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thailand (continued)		
Rojana Industrial Park PCL	113,100	\$ 16,967
Saha-Union PCL	16,100	17,985
Sansiri PCL	1,026,866	27,750
SC Asset Corp. PCL	476,596	44,274
Siam Future Development PCL	167,749	28,001
Somboon Advance Technology PCL	51,300	28,189
SPCG PCL	18,000	12,075
Srithai Superware PCL (A)	283,000	6,045
STP & I PCL	21,600	2,570
Supalai PCL	151,900	103,887
Super Energy Corp. PCL (A)	743,000	23,779
Syntec Construction PCL	156,500	7,625
Thai Oil PCL	85,600	148,446
Thai Stanley Electric PCL	700	3,928
Thanachart Capital PCL	37,300	43,038
The Siam Commercial Bank PCL	74,400	217,119
Thitikorn PCL	100	27
TMB Bank PCL	1,334,352	48,082
TPI Polene PCL	559,900	34,368
TPI Polene Power PCL	283,200	40,434
True Corp. PCL	1,139,000	130,733
Univentures PCL	51,700	5,074
Vinythai PCL	9,700	10,370
		5,338,897
Turkey - 0.6%		
Akbank T.A.S. (A)	287,261	266,435
Eczacibasi Yatirim Holding Ortakligi AS	1	2
Enka Insaat ve Sanayi AS	70,950	70,428
Goldas Kuyumculuk Sanayi Ithalat Ve Bagli Ortakliklari (A)(D)	54,846	697
NET Holding AS (A)	40,130	18,543
Turk Hava Yollari AO (A)	80,925	140,601
Turkiye Garanti Bankasi AS (A)	227,810	317,682
Turkiye Halk Bankasi AS (A)(C)	56,201	42,054
Turkiye Is Bankasi AS, Class C (A)	131,554	123,745
Turkiye Sinai Kalkinma Bankasi AS (A)	141,027	33,902
Turkiye Sise ve Cam Fabrikalari AS	135,139	132,971
Turkiye Vakiflar Bankasi TAO, Class D (A)	91,535	57,908
Uzel Makina Sanayii AS (A)(D)	22,930	0
Yapi ve Kredi Bankasi AS (A)	254,969	105,575
		1,310,543
Ukraine - 0.0%		
Kernel Holding SA	7,742	102,346
United States - 0.1%		
Nexteer Automotive Group, Ltd.	95,000	102,255
Textainer Group Holdings, Ltd. (A)	5,689	109,115
		211,370
TOTAL COMMON STOCKS (Cost \$220,814,518)		\$ 226,684,266
PREFERRED SECURITIES - 1.9%		
Brazil - 1.8%		
Banco ABC Brasil SA	9,586	29,039

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI Emerging Markets Index Futures	23	Long	Mar 2021	\$1,439,555	\$1,481,085	\$41,530
						\$41,530

Emerging Markets Value Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Brazil (continued)		
Banco Bradesco SA	129,972	\$ 683,603
Banco do Estado do Rio Grande do Sul SA, B Shares	30,800	86,878
Cia Ferro Ligas da Bahia	5,956	21,956
Eucatex SA Industria e Comercio	4,200	5,786
Gerdau SA	101,776	480,223
Marcopolo SA	55,200	30,575
Petroleo Brasileiro SA	510,144	2,769,500
Usinas Siderurgicas de Minas Gerais SA, A Shares	40,910	115,390
		4,222,950
Colombia - 0.1%		
Grupo Argos SA	23,975	73,963
Grupo de Inversiones Suramericana SA	11,343	73,283
		147,246
TOTAL PREFERRED SECURITIES (Cost \$4,477,533)		\$ 4,370,196
WARRANTS - 0.0%		
MBK PCL (Expiration Date: 11-15-23; Strike Price: THB 3.00) (A)	1,800	565
TOTAL WARRANTS (Cost \$0)		\$ 565
SHORT-TERM INVESTMENTS - 1.7%		
Short-term funds - 1.7%		
John Hancock Collateral Trust, 0.1386% (E)(F)	396,559	3,968,006
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,968,202)		\$ 3,968,006
Total Investments (Emerging Markets Value Trust) (Cost \$229,260,253) - 101.0%		\$ 235,023,033
Other assets and liabilities, net - (1.0%)		(2,346,461)
TOTAL NET ASSETS - 100.0%		\$ 232,676,572

Currency Abbreviations

THB Thai Bhat

Security Abbreviations and Legend

- ADR American Depositary Receipt
GDR Global Depositary Receipt
NVDR Non-Voting Depositary Receipt
(A) Non-income producing security.
(B) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(C) All or a portion of this security is on loan as of 12-31-20.
(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 12-31-20.
(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 — December 31, 2020 (showing percentage of total net assets)

Emerging Markets Value Trust (continued)

FUTURES (continued)

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

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

Equity Income Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.3%		
Communication services – 5.3%		
Diversified telecommunication services – 0.6%		
AT&T, Inc.	133,764	\$ 3,847,053
Verizon Communications, Inc.	87,111	5,117,771
		8,964,824
Entertainment – 1.0%		
The Walt Disney Company (A)	85,232	15,442,334
Media – 3.7%		
Comcast Corp., Class A	504,343	26,427,573
Fox Corp., Class B	350,332	10,117,588
News Corp., Class A	1,019,757	18,325,033
		54,870,194
		79,277,352
Consumer discretionary – 4.1%		
Auto components – 0.1%		
Magna International, Inc.	28,200	1,996,560
Automobiles – 1.0%		
General Motors Company	72,800	3,031,392
Volkswagen AG, ADR (B)	643,564	11,983,097
		15,014,489
Hotels, restaurants and leisure – 1.1%		
Las Vegas Sands Corp.	245,723	14,645,091
McDonald's Corp.	10,400	2,231,632
		16,876,723
Leisure products – 0.8%		
Mattel, Inc. (A)	627,173	10,944,169
Multiline retail – 0.8%		
Kohl's Corp.	286,511	11,658,133
Specialty retail – 0.3%		
The TJX Companies, Inc.	64,400	4,397,876
		60,887,950
Consumer staples – 7.3%		
Beverages – 0.6%		
The Coca-Cola Company	166,937	9,154,825
Food and staples retailing – 0.5%		
Walmart, Inc.	49,871	7,188,905
Food products – 3.3%		
Bunge, Ltd.	65,654	4,305,589
Conagra Brands, Inc.	525,589	19,057,857
Mondelez International, Inc., Class A	11,400	666,558
Tyson Foods, Inc., Class A	382,496	24,648,042
		48,678,046
Household products – 0.9%		
Kimberly-Clark Corp.	106,759	14,394,316
Tobacco – 2.0%		
Altria Group, Inc.	69,300	2,841,300
Philip Morris International, Inc.	321,214	26,593,307
		29,434,607
		108,850,699
Energy – 6.5%		
Energy equipment and services – 0.6%		
Halliburton Company	510,200	9,642,780
Oil, gas and consumable fuels – 5.9%		
Chevron Corp.	36,345	3,069,335
ConocoPhillips	49,000	1,959,510

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Enbridge, Inc.	234,560	\$ 7,503,574
EOG Resources, Inc.	219,200	10,931,504
Exxon Mobil Corp.	263,476	10,860,481
Hess Corp.	52,634	2,778,549
Occidental Petroleum Corp.	114,542	1,982,722
Targa Resources Corp.	317,702	8,380,979
TC Energy Corp.	273,763	11,147,629
TOTAL SE	638,789	27,571,537
TOTAL SE, ADR	22,700	951,357
		87,137,177
		96,779,957
Financials – 20.6%		
Banks – 6.6%		
Bank of America Corp.	155,445	4,711,538
Fifth Third Bancorp	794,804	21,912,746
JPMorgan Chase & Co.	108,936	13,842,498
The PNC Financial Services Group, Inc.	108,491	16,165,159
Wells Fargo & Company	1,389,735	41,942,202
		98,574,143
Capital markets – 5.3%		
Franklin Resources, Inc.	191,905	4,795,706
Morgan Stanley	455,147	31,191,224
Raymond James Financial, Inc.	93,624	8,957,008
State Street Corp.	260,491	18,958,535
The Charles Schwab Corp.	113,500	6,020,040
The Goldman Sachs Group, Inc.	31,600	8,333,236
		78,255,749
Diversified financial services – 0.8%		
Equitable Holdings, Inc.	458,310	11,728,153
Insurance – 7.9%		
American International Group, Inc.	729,514	27,619,400
Chubb, Ltd.	218,834	33,682,929
Loews Corp.	455,166	20,491,573
Marsh & McLennan Companies, Inc.	32,607	3,815,019
MetLife, Inc.	618,048	29,017,354
Willis Towers Watson PLC	15,575	3,281,341
		117,907,616
		306,465,661
Health care – 12.8%		
Biotechnology – 2.5%		
AbbVie, Inc.	248,167	26,591,094
Biogen, Inc. (A)	14,900	3,648,414
Gilead Sciences, Inc.	109,105	6,356,457
		36,595,965
Health care equipment and supplies – 3.4%		
Becton, Dickinson and Company	77,717	19,446,348
Medtronic PLC	206,758	24,219,632
Zimmer Biomet Holdings, Inc.	46,361	7,143,766
		50,809,746
Health care providers and services – 3.0%		
Anthem, Inc.	77,126	24,764,387
CVS Health Corp.	280,953	19,189,090
		43,953,477
Pharmaceuticals – 3.9%		
GlaxoSmithKline PLC	263,632	4,823,928
GlaxoSmithKline PLC, ADR	80,205	2,951,544

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Johnson & Johnson	130,588	\$ 20,551,939
Merck & Company, Inc.	78,100	6,388,580
Pfizer, Inc.	479,448	17,648,481
Sanofi (B)	57,855	5,607,481
		57,971,953
		189,331,141
Industrials – 12.0%		
Aerospace and defense – 2.7%		
L3Harris Technologies, Inc.	113,918	21,532,780
The Boeing Company	87,512	18,732,819
		40,265,599
Air freight and logistics – 2.3%		
United Parcel Service, Inc., Class B	199,615	33,615,166
Airlines – 0.3%		
Alaska Air Group, Inc.	94,024	4,889,248
Building products – 0.4%		
Johnson Controls International PLC	141,794	6,606,182
Commercial services and supplies – 0.8%		
Stericycle, Inc. (A)	163,736	11,351,817
Electrical equipment – 0.3%		
Emerson Electric Company	57,090	4,588,323
Industrial conglomerates – 2.6%		
General Electric Company	3,627,786	39,180,089
Machinery – 1.8%		
Caterpillar, Inc.	48,300	8,791,566
Cummins, Inc.	8,900	2,021,190
Flowserve Corp.	33,687	1,241,366
PACCAR, Inc.	64,335	5,550,824
Snap-on, Inc.	52,654	9,011,206
		26,616,152
Professional services – 0.8%		
Nielsen Holdings PLC	543,505	11,342,949
		178,455,525
Information technology – 9.5%		
Communications equipment – 1.6%		
Cisco Systems, Inc.	530,576	23,743,276
Electronic equipment, instruments and components – 0.3%		
TE Connectivity, Ltd.	34,700	4,201,129
Semiconductors and semiconductor equipment – 5.9%		
Applied Materials, Inc.	231,991	20,020,823
NXP Semiconductors NV	35,042	5,572,028
QUALCOMM, Inc.	300,770	45,819,304
Texas Instruments, Inc.	96,731	15,876,459
		87,288,614
Software – 1.7%		
Citrix Systems, Inc.	40,300	5,243,030
Microsoft Corp.	88,904	19,774,028
		25,017,058
		140,250,077
Materials – 6.2%		
Chemicals – 4.5%		
Akzo Nobel NV	30,933	3,320,181
CF Industries Holdings, Inc.	609,678	23,600,635
DuPont de Nemours, Inc.	513,896	36,543,145
PPG Industries, Inc.	24,107	3,476,712
		66,940,673
Containers and packaging – 1.7%		
International Paper Company	502,053	24,962,075
		91,902,748

Equity Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate – 4.5%		
Equity real estate investment trusts – 4.5%		
Equity Residential	275,334	\$ 16,321,800
Rayonier, Inc.	420,567	12,356,258
SL Green Realty Corp.	106,757	6,360,582
Welltower, Inc.	50,800	3,282,696
Weyerhaeuser Company	837,334	28,075,809
		66,397,145
Utilities – 7.5%		
Electric utilities – 4.5%		
Duke Energy Corp.	23,000	2,105,880
Edison International	231,139	14,520,152
NextEra Energy, Inc.	136,371	10,521,023
The Southern Company	651,126	39,998,670
		67,145,725
Multi-utilities – 3.0%		
Ameren Corp.	109,400	8,539,764
NiSource, Inc.	1,044,397	23,958,467
Sempra Energy	93,667	11,934,112
		44,432,343
		111,578,068
TOTAL COMMON STOCKS (Cost \$1,162,670,610)		\$ 1,430,176,323
PREFERRED SECURITIES – 2.0%		
Health care – 0.5%		
Health care equipment and supplies – 0.5%		
Becton, Dickinson and Company, 6.000% (B)	118,222	6,517,579
Utilities – 1.5%		
Electric utilities – 0.8%		
NextEra Energy, Inc., 5.279%	102,055	5,188,476
The Southern Company, 6.750%	134,102	6,959,894
		12,148,370
Multi-utilities – 0.7%		
Sempra Energy, 6.000%	77,626	7,743,970
Sempra Energy, 6.750% (B)	24,765	2,568,873
		10,312,843
		22,461,213
TOTAL PREFERRED SECURITIES (Cost \$27,957,794)		\$ 28,978,792
CONVERTIBLE BONDS - 0.2%		
Financials - 0.2%		
AXA SA 7.250%, 05/15/2021 (C)	\$ 3,124,000	3,559,408
TOTAL CONVERTIBLE BONDS (Cost \$3,124,000)		\$ 3,559,408
WARRANTS – 0.0%		
Occidental Petroleum Corp. (Expiration Date: 8-3-27; Strike Price: \$22.00) (A)		
	33,525	228,305
TOTAL WARRANTS (Cost \$189,420)		\$ 228,305
SHORT-TERM INVESTMENTS – 2.0%		
Short-term funds – 2.0%		
John Hancock Collateral Trust, 0.1386% (D)(E)	926,207	9,267,717

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Equity Income 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, 0.0300% (D)	4,276,962	\$ 4,276,962
T. Rowe Price Government Reserve Fund, 0.0753% (D)	15,774,236	15,774,236
TOTAL SHORT-TERM INVESTMENTS (Cost \$29,319,377)		\$ 29,318,915
Total Investments (Equity Income Trust) (Cost \$1,223,261,201) – 100.5%		\$ 1,492,261,743
Other assets and liabilities, net – (0.5%)		(7,919,068)
TOTAL NET ASSETS – 100.0%		\$ 1,484,342,675

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(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 12-31-20.
(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.

Financial Industries Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.7%		
Financials – 78.2%		
Banks – 36.1%		
1st Source Corp.	18,180	\$ 732,654
Altabancorp	1,939	54,137
American Business Bank (A)	20,276	645,385
American River Bankshares	16,289	214,200
Ameris Bancorp	30,563	1,163,533
Atlantic Union Bankshares Corp.	48,295	1,590,837
Bank of America Corp.	131,815	3,995,313
Bank of Commerce Holdings	2,856	28,274
Bank of Marin Bancorp	19,423	666,986
BayCom Corp. (A)	24,336	369,177
Business First Bancshares, Inc.	11,516	234,466
California Bancorp, Inc. (A)	19,688	306,345
Cambridge Bancorp	10,262	715,775
Central Valley Community Bancorp	13,441	200,136
Citigroup, Inc.	43,294	2,669,508
Citizens Financial Group, Inc.	67,952	2,429,964
Close Brothers Group PLC	79,824	1,505,401
Coastal Financial Corp. (A)	23,424	491,904
Danske Bank A/S (A)	80,275	1,326,738
Evans Bancorp, Inc.	14,397	396,493
First Merchants Corp.	35,039	1,310,809
German American Bancorp, Inc.	13,939	461,242
Glacier Bancorp, Inc.	18,329	843,317
HBT Financial, Inc.	28,559	432,669
Heritage Commerce Corp.	39,215	347,837
Heritage Financial Corp.	17,558	410,682
Huntington Bancshares, Inc.	144,454	1,824,454
JPMorgan Chase & Co.	33,554	4,263,707
Level One Bancorp, Inc.	13,442	271,932
Live Oak Bancshares, Inc.	21,461	1,018,539
Metrocity Bankshares, Inc.	13,282	191,526
Nicolet Bankshares, Inc. (A)	12,960	859,896
Pacific Premier Bancorp, Inc.	21,720	680,488

Financial Industries Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Pinnacle Financial Partners, Inc.	25,345	\$ 1,632,218
Skandinaviska Enskilda Banken AB, A Shares (A)	64,324	662,375
Southern First Bancshares, Inc. (A)	10,596	374,569
Stock Yards Bancorp, Inc.	32,644	1,321,429
SVB Financial Group (A)	8,617	3,341,931
The First Bancshares, Inc.	15,628	482,593
TriCo Bancshares	44,840	1,581,955
U.S. Bancorp	36,140	1,683,763
Western Alliance Bancorp	39,539	2,370,363
Zions Bancorp NA	39,573	1,719,051
		47,824,571
Capital markets – 15.1%		
3i Group PLC	227,439	3,597,385
Ares Management Corp., Class A	65,415	3,077,776
BlackRock, Inc.	4,123	2,974,909
Brookfield Asset Management, Inc., Class A	60,009	2,476,571
KKR & Company, Inc.	72,463	2,934,027
StepStone Group, Inc., Class A (A)(B)	4,804	191,199
The Blackstone Group, Inc., Class A	41,302	2,676,783
Tradeweb Markets, Inc., Class A	33,451	2,089,015
		20,017,665
Consumer finance – 4.6%		
American Express Company	28,705	3,470,722
Discover Financial Services	29,444	2,665,565
		6,136,287
Diversified financial services – 5.3%		
Equitable Holdings, Inc.	80,528	2,060,712
Eurazeo SE (A)	3,871	263,033
Onex Corp.	33,111	1,900,455
Voya Financial, Inc.	47,391	2,787,065
		7,011,265
Insurance – 16.3%		
Aon PLC, Class A	10,255	2,166,574
Arch Capital Group, Ltd. (A)	27,864	1,005,054
Arthur J. Gallagher & Company	27,707	3,427,633
Assured Guaranty, Ltd.	17,949	565,214
Kinsale Capital Group, Inc.	13,154	2,632,510
Palomar Holdings, Inc. (A)	27,996	2,487,165
RenaissanceRe Holdings, Ltd.	11,840	1,963,309
The Hanover Insurance Group, Inc.	16,956	1,982,496
The Hartford Financial Services Group, Inc.	60,276	2,952,318
Trean Insurance Group, Inc. (A)	71,068	930,991
Willis Towers Watson PLC	6,627	1,396,176
		21,509,440
Thriffs and mortgage finance – 0.8%		
OP Bancorp	33,503	257,973
Premier Financial Corp.	33,252	764,796
		1,022,769
		103,521,997
Industrials – 1.5%		
Professional services – 1.5%		
Verisk Analytics, Inc.	9,439	1,959,442
Information technology – 10.8%		
IT services – 10.8%		
Adyen NV (A)(C)	1,101	2,558,218
EVERTEC, Inc.	31,679	1,245,618
Fidelity National Information Services, Inc.	9,383	1,327,319
Fiserv, Inc. (A)	14,353	1,634,233
FleetCor Technologies, Inc. (A)	3,533	963,908

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Financial Industries Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Global Payments, Inc.	8,287	\$ 1,785,186
Visa, Inc., Class A	22,001	4,812,280
		14,326,762
Real estate – 7.2%		
Equity real estate investment trusts – 6.4%		
Lexington Realty Trust	102,992	1,093,775
Monmouth Real Estate Investment Corp.	51,323	888,914
Nippon Prologis REIT, Inc.	414	1,293,359
Plymouth Industrial REIT, Inc.	18,206	273,090
Prologis, Inc.	33,340	3,322,664
Rexford Industrial Realty, Inc.	31,617	1,552,711
		8,424,513
Real estate management and development – 0.8%		
VGP NV	6,760	1,013,036
		9,437,549
TOTAL COMMON STOCKS (Cost \$101,753,715)		\$ 129,245,750
SHORT-TERM INVESTMENTS – 2.6%		
Short-term funds – 0.1%		
John Hancock Collateral Trust, 0.1386% (D)(E)	19,141	191,525
Repurchase agreement – 2.5%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$3,270,000 on 1-4-21, collateralized by \$3,339,300 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$3,335,416)	\$ 3,270,000	3,270,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$3,461,525)		\$ 3,461,525
Total Investments (Financial Industries Trust) (Cost \$105,215,240) – 100.3%		\$ 132,707,275
Other assets and liabilities, net – (0.3%)		(366,618)
TOTAL NET ASSETS – 100.0%		\$ 132,340,657

Financial Industries Trust (continued)

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 12-31-20.
 (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 12-31-20.
 (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 210,000	USD 158,266	SSB	1/27/2021	\$6,728	—
DKK 3,520,000	USD 577,652	GSI	1/27/2021	429	—
DKK 1,540,000	USD 243,119	JPM	1/27/2021	9,791	—
DKK 7,050,000	USD 1,152,619	MSCS	1/27/2021	5,186	—
DKK 900,000	USD 143,688	TD	1/27/2021	4,117	—
EUR 210,000	USD 250,268	RBC	1/27/2021	6,418	—
EUR 1,060,000	USD 1,252,258	SSB	1/27/2021	43,393	—
EUR 370,000	USD 436,335	TD	1/27/2021	15,920	—
GBP 170,000	USD 220,811	JPM	1/27/2021	11,706	—
GBP 180,000	USD 240,111	MSCS	1/27/2021	6,084	—
GBP 200,000	USD 266,083	RBC	1/27/2021	7,467	—
HKD 70,000	USD 9,029	GSI	1/27/2021	1	—
JPY 7,770,000	USD 73,924	JPM	1/27/2021	1,347	—
JPY 6,920,000	USD 66,521	MSCS	1/27/2021	515	—
JPY 7,450,000	USD 71,596	TD	1/27/2021	575	—
SEK 2,650,000	USD 319,443	JPM	1/27/2021	2,735	—
SEK 7,290,000	USD 877,537	MSCS	1/27/2021	8,756	—
SEK 1,650,000	USD 191,435	SSB	1/27/2021	9,166	—
USD 1,635,252	CAD 2,160,000	CITI	1/27/2021	—	\$(61,829)
USD 153,108	CAD 200,000	JPM	1/27/2021	—	(4,029)
USD 84,253	CAD 110,000	MSCS	1/27/2021	—	(2,173)
USD 47,121	CAD 60,000	RBC	1/27/2021	—	(20)

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Financial Industries Trust (continued)

FORWARD FOREIGN CURRENCY CONTRACTS (continued)

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD	77,218	CAD	100,000	TD	1/27/2021	—	\$(1,351)
USD	3,129,040	DKK	19,650,000	MSCS	1/27/2021	—	(98,034)
USD	217,855	DKK	1,370,000	TD	1/27/2021	—	(7,137)
USD	447,539	EUR	380,000	CITI	1/27/2021	—	(16,940)
USD	4,466,181	EUR	3,770,000	GSI	1/27/2021	—	(141,937)
USD	248,493	EUR	210,000	JPM	1/27/2021	—	(8,193)
USD	169,883	EUR	140,000	RBC	1/27/2021	—	(1,241)
USD	340,905	EUR	280,000	SSB	1/27/2021	—	(1,342)
USD	582,002	GBP	440,000	CITI	1/27/2021	—	(19,808)
USD	318,507	GBP	240,000	MSCS	1/27/2021	—	(9,753)
USD	533,275	GBP	410,000	RBC	1/27/2021	—	(27,502)
USD	4,200,761	GBP	3,240,000	SSB	1/27/2021	—	(230,743)
USD	9,029	HKD	70,000	GSI	1/27/2021	—	(1)
USD	60,255	JPY	6,210,000	RBC	1/27/2021	\$97	—
USD	1,426,131	JPY	151,010,000	SSB	1/27/2021	—	(36,764)
USD	136,779	SEK	1,180,000	CITI	1/27/2021	—	(6,681)
USD	138,432	SEK	1,220,000	MSCS	1/27/2021	—	(9,892)
USD	191,916	SEK	1,650,000	SSB	1/27/2021	—	(8,685)
USD	1,482,500	SEK	13,040,000	TD	1/27/2021	—	(102,856)
						\$140,431	\$(796,911)

Derivatives Currency Abbreviations

CAD	Canadian Dollar
DKK	Danish Krone
EUR	Euro
GBP	Pound Sterling
HKD	Hong Kong Dollar
JPY	Japanese Yen
SEK	Swedish Krona
USD	U.S. Dollar

Derivatives Abbreviations

CITI	Citibank, N.A.
GSI	Goldman Sachs International
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 – 97.9%		
Communication services – 16.7%		
Entertainment – 3.5%		
Liberty Media Corp.-Liberty Formula One, Series C (A)	1,506,173	\$ 64,162,970
Madison Square Garden Entertainment Corp. (A)	115,626	12,145,355
		<u>76,308,325</u>
Interactive media and services – 12.5%		
Alphabet, Inc., Class A (A)	62,670	109,837,949
CarGurus, Inc. (A)	1,692,790	53,712,227
Facebook, Inc., Class A (A)	401,108	109,566,661
		<u>273,116,837</u>
Media – 0.7%		
Liberty Broadband Corp., Series A (A)	104,085	16,401,714
		<u>365,826,876</u>

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Consumer discretionary – 19.8%		
Household durables – 5.1%		
Lennar Corp., A Shares	1,210,090	\$ 92,245,161
NVR, Inc. (A)	4,853	19,799,561
		<u>112,044,722</u>
Internet and direct marketing retail – 7.6%		
Amazon.com, Inc. (A)	51,157	166,614,766
Leisure products – 1.7%		
Polaris, Inc.	382,933	36,485,856
Multiline retail – 1.0%		
Dollar Tree, Inc. (A)	197,111	21,295,872
Specialty retail – 3.3%		
Dufry AG (A)	520,574	32,793,558

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Group 1 Automotive, Inc.	297,975	\$ 39,076,442
		71,870,000
Textiles, apparel and luxury goods – 1.1%		
Salvatore Ferragamo SpA (A)	1,233,578	23,953,254
		432,264,470
Consumer staples – 8.7%		
Beverages – 3.1%		
Anheuser-Busch InBev SA/NV, ADR	399,596	27,935,756
Diageo PLC, ADR	123,129	19,554,116
Heineken NV	183,126	20,383,671
		67,873,543
Food and staples retailing – 0.6%		
US Foods Holding Corp. (A)	382,548	12,742,674
Food products – 5.0%		
Post Holdings, Inc. (A)	745,690	75,322,147
The Hain Celestial Group, Inc. (A)	871,001	34,970,690
		110,292,837
		190,909,054
Energy – 4.8%		
Energy equipment and services – 1.0%		
Baker Hughes Company	1,049,967	21,891,812
Oil, gas and consumable fuels – 3.8%		
Cheniere Energy, Inc. (A)	829,560	49,798,487
Suncor Energy, Inc.	494,084	8,290,730
Valero Energy Corp.	458,723	25,949,960
		84,039,177
		105,930,989
Financials – 15.7%		
Banks – 6.4%		
Bank of America Corp.	2,174,087	65,896,577
First Hawaiian, Inc.	3,120,895	73,590,704
		139,487,281
Capital markets – 7.2%		
KKR & Company, Inc.	792,278	32,079,336
Morgan Stanley	1,221,346	83,698,841
The Goldman Sachs Group, Inc.	157,095	41,427,522
		157,205,699
Consumer finance – 2.1%		
American Express Company	255,974	30,949,816
Synchrony Financial	431,004	14,960,149
		45,909,965
		342,602,945
Health care – 4.9%		
Biotechnology – 1.7%		
Alnylam Pharmaceuticals, Inc. (A)	151,420	19,680,057
Moderna, Inc. (A)	165,932	17,334,916
		37,014,973
Health care equipment and supplies – 1.5%		
Hologic, Inc. (A)	452,540	32,958,488
Health care providers and services – 1.1%		
Anthem, Inc.	73,473	23,591,446
Health care technology – 0.6%		
Change Healthcare, Inc. (A)	729,988	13,614,276
		107,179,183
Industrials – 9.0%		
Electrical equipment – 1.8%		
Regal Beloit Corp.	172,942	21,239,007

Fundamental All Cap Core Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Sensata Technologies Holding PLC (A)	335,958	\$ 17,718,425
		38,957,432
Industrial conglomerates – 2.1%		
Roper Technologies, Inc.	104,265	44,947,599
Machinery – 1.5%		
Parker-Hannifin Corp.	121,103	32,989,668
Professional services – 2.2%		
IHS Markit, Ltd.	535,450	48,099,474
Trading companies and distributors – 1.4%		
United Rentals, Inc. (A)	135,670	31,463,230
		196,457,403
Information technology – 14.6%		
Semiconductors and semiconductor equipment – 2.7%		
Analog Devices, Inc.	95,520	14,111,170
NVIDIA Corp.	88,278	46,098,772
		60,209,942
Software – 6.4%		
Microsoft Corp.	170,878	38,006,685
salesforce.com, Inc. (A)	220,484	49,064,305
Workday, Inc., Class A (A)	224,681	53,835,814
		140,906,804
Technology hardware, storage and peripherals – 5.5%		
Apple, Inc.	661,524	87,777,620
Samsung Electronics Company, Ltd.	422,538	31,553,223
		119,330,843
		320,447,589
Real estate – 3.7%		
Equity real estate investment trusts – 3.2%		
American Tower Corp.	218,506	49,045,857
Crown Castle International Corp.	131,684	20,962,776
		70,008,633
Real estate management and development – 0.5%		
Five Point Holdings LLC, Class A (A)	1,913,023	10,445,106
		80,453,739
TOTAL COMMON STOCKS (Cost \$1,308,754,713)		\$ 2,142,072,248
SHORT-TERM INVESTMENTS – 2.4%		
Repurchase agreement – 2.4%		
Barclays Tri-Party Repurchase Agreement dated 12-31-20 at 0.050% to be repurchased at \$34,087,189 on 1-4-21, collateralized by \$33,944,500 U.S. Treasury Notes, 1.750% due 6-30-22 (valued at \$34,768,978)		
	\$ 34,087,000	34,087,000
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$18,762,000 on 1-4-21, collateralized by \$19,159,600 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$19,137,317)		
	18,762,000	18,762,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$52,849,000)		\$ 52,849,000
Total Investments (Fundamental All Cap Core Trust)		\$ 2,194,921,248
(Cost \$1,361,603,713) – 100.3%		(7,155,123)
Other assets and liabilities, net – (0.3%)		\$ 2,187,766,125
TOTAL NET ASSETS – 100.0%		\$ 2,187,766,125
Security Abbreviations and Legend		
ADR	American Depository Receipt	
(A)	Non-income producing security.	

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Fundamental Large Cap Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.7%		
Communication services – 9.7%		
Entertainment – 1.7%		
Liberty Media Corp.-Liberty Formula One, Series C (A)	268,767	\$ 11,449,474
Interactive media and services – 2.1%		
Alphabet, Inc., Class A (A)	8,201	14,373,401
Media – 5.9%		
Comcast Corp., Class A	518,912	27,190,988
Fox Corp., Class A	82,058	2,389,529
Fox Corp., Class B	353,979	10,222,914
		<u>39,803,431</u>
		65,626,306
Consumer discretionary – 8.7%		
Hotels, restaurants and leisure – 1.1%		
Sodexo SA	82,436	6,971,917
Household durables – 2.9%		
Lennar Corp., A Shares	258,815	19,729,467
Internet and direct marketing retail – 2.3%		
eBay, Inc.	312,304	15,693,276
Multiline retail – 0.9%		
Dollar Tree, Inc. (A)	54,570	5,895,743
Specialty retail – 1.5%		
Group 1 Automotive, Inc.	78,702	10,320,980
		<u>58,611,383</u>
Consumer staples – 8.8%		
Beverages – 3.9%		
Anheuser-Busch InBev SA/NV, ADR	216,761	15,153,762
Heineken Holding NV	122,566	11,500,649
		<u>26,654,411</u>
Food and staples retailing – 1.0%		
Walmart, Inc.	46,091	6,644,018
Food products – 3.9%		
Danone SA	146,444	9,636,915
Post Holdings, Inc. (A)	165,539	16,721,094
		<u>26,358,009</u>
		59,656,438
Energy – 9.9%		
Energy equipment and services – 1.6%		
Baker Hughes Company	151,433	3,157,378
ChampionX Corp. (A)	502,733	7,691,815
		<u>10,849,193</u>
Oil, gas and consumable fuels – 8.3%		
Cheniere Energy, Inc. (A)	337,307	20,248,539
Chevron Corp.	144,281	12,184,530
Kinder Morgan, Inc.	441,084	6,029,618
Suncor Energy, Inc.	528,950	8,875,781
Valero Energy Corp.	149,103	8,434,757
		<u>55,773,225</u>
		66,622,418
Financials – 24.9%		
Banks – 11.0%		
Bank of America Corp.	579,020	17,550,096
Citigroup, Inc.	355,634	21,928,392
JPMorgan Chase & Co.	166,908	21,209,000
Wells Fargo & Company	452,544	13,657,778
		<u>74,345,266</u>
Capital markets – 7.4%		
KKR & Company, Inc.	309,381	12,526,837
Morgan Stanley	212,626	14,571,260
Nasdaq, Inc.	75,262	9,990,278

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
The Goldman Sachs Group, Inc.	49,965	\$ 13,176,270
		<u>50,264,645</u>
Consumer finance – 2.9%		
American Express Company	161,212	19,492,143
Diversified financial services – 3.6%		
Berkshire Hathaway, Inc., Class B (A)	103,569	24,014,544
		<u>168,116,598</u>
Health care – 12.0%		
Biotechnology – 2.1%		
Alexion Pharmaceuticals, Inc. (A)	61,012	9,532,515
Gilead Sciences, Inc.	79,905	4,655,265
		<u>14,187,780</u>
Health care equipment and supplies – 3.1%		
Danaher Corp.	56,725	12,600,892
Hologic, Inc. (A)	110,861	8,074,007
		<u>20,674,899</u>
Health care providers and services – 5.1%		
Anthem, Inc.	36,193	11,621,210
HCA Healthcare, Inc.	44,131	7,257,784
UnitedHealth Group, Inc.	44,788	15,706,256
		<u>34,585,250</u>
Pharmaceuticals – 1.7%		
Merck & Company, Inc.	143,023	11,699,281
		<u>81,147,210</u>
Industrials – 12.6%		
Aerospace and defense – 5.0%		
General Dynamics Corp.	86,387	12,856,113
L3Harris Technologies, Inc.	36,642	6,926,071
Raytheon Technologies Corp.	194,519	13,910,054
		<u>33,692,238</u>
Electrical equipment – 0.8%		
Sensata Technologies Holding PLC (A)	105,146	5,545,400
Industrial conglomerates – 1.0%		
Roper Technologies, Inc.	15,670	6,755,180
Machinery – 2.6%		
Parker-Hannifin Corp.	65,617	17,874,727
Road and rail – 0.8%		
Union Pacific Corp.	25,271	5,261,928
Trading companies and distributors – 2.4%		
United Rentals, Inc. (A)	69,814	16,190,565
		<u>85,320,038</u>
Information technology – 9.2%		
Electronic equipment, instruments and components – 0.7%		
Vontier Corp. (A)	144,263	4,818,384
IT services – 1.8%		
Cognizant Technology Solutions Corp., Class A	146,528	12,007,970
Software – 4.9%		
Microsoft Corp.	87,443	19,449,072
Oracle Corp.	212,159	13,724,566
		<u>33,173,638</u>
Technology hardware, storage and peripherals – 1.8%		
Samsung Electronics Company, Ltd.	158,181	11,812,240
		<u>61,812,232</u>
Materials – 1.0%		
Chemicals – 1.0%		
LyondellBasell Industries NV, Class A	69,770	6,395,118
Real estate – 0.9%		

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Fundamental Large Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts – 0.9%		
American Tower Corp.	26,049	\$ 5,846,959
TOTAL COMMON STOCKS (Cost \$501,428,276)		\$ 659,154,700
SHORT-TERM INVESTMENTS – 2.7%		
Repurchase agreement – 2.7%		
Barclays Tri-Party Repurchase Agreement dated 12-31-20 at 0.050% to be repurchased at \$11,637,065 on 1-4-21, collateralized by \$11,525,100		
U.S. Treasury Notes, 1.625% due 11-15-22 (valued at \$11,869,872)	\$ 11,637,000	11,637,000
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$6,404,000 on 1-4-21, collateralized by \$6,539,700		
U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$6,532,094)	6,404,000	6,404,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$18,041,000)		\$ 18,041,000
Total Investments (Fundamental Large Cap Value Trust) (Cost \$519,469,276) – 100.4%		\$ 677,195,700
Other assets and liabilities, net – (0.4%)		(2,469,107)
TOTAL NET ASSETS – 100.0%		\$ 674,726,593

Security Abbreviations and Legend

ADR American Depositary Receipt
(A) Non-income producing security.

Global Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 96.1%		
France - 10.3%		
Capgemini SE		
	44,792	\$ 6,967,460
Cie Generale des Etablissements Michelin SCA		
	76,616	9,864,774
Danone SA		
	140,402	9,239,261
Sanofi		
	52,394	5,078,154
TOTAL SE	76,215	3,289,590
		34,439,239
Ireland - 3.6%		
Accenture PLC, Class A		
	10,123	2,644,229
CRH PLC		
	225,260	9,579,480
		12,223,709
Japan - 2.6%		
FANUC Corp.		
	18,871	4,658,290
Mitsubishi Estate Company, Ltd.		
	252,369	4,056,287
		8,714,577
Netherlands - 10.8%		
Akzo Nobel NV		
	48,540	5,209,990
Heineken NV		
	76,989	8,569,564
Koninklijke Ahold Delhaize NV		
	383,645	10,823,072
Koninklijke Philips NV (A)		
	126,373	6,807,362
Wolters Kluwer NV		
	57,207	4,821,119
		36,231,107
Switzerland - 6.2%		
Chubb, Ltd.		
	31,877	4,906,508
Novartis AG		
	99,151	9,335,855
Roche Holding AG		
	19,259	6,707,882
		20,950,245
United Kingdom - 11.3%		
Amcor PLC, CHESS Depository Interest		
	561,293	6,665,484

Global Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Associated British Foods PLC (A)	189,888	\$ 5,862,744
Direct Line Insurance Group PLC	811,077	3,547,420
Ferguson PLC	37,331	4,535,739
Tesco PLC	2,101,394	6,631,521
Unilever PLC	176,194	10,668,673
		37,911,581
United States - 51.3%		
Alphabet, Inc., Class A (A)	8,463	14,832,588
Apple, Inc.	101,343	13,447,203
Applied Materials, Inc.	63,378	5,469,521
Arthur J. Gallagher & Company	52,022	6,435,642
AutoZone, Inc. (A)	7,954	9,428,990
Colgate-Palmolive Company	29,371	2,511,514
Comcast Corp., Class A	189,479	9,928,700
Electronic Arts, Inc.	28,490	4,091,164
F5 Networks, Inc. (A)	14,321	2,519,637
Fortune Brands Home & Security, Inc.	43,362	3,716,991
Intel Corp.	80,302	4,000,646
Johnson & Johnson	74,470	11,720,089
Johnson Controls International PLC	77,055	3,589,992
JPMorgan Chase & Co.	36,712	4,664,994
Kimberly-Clark Corp.	21,473	2,895,205
Merck & Company, Inc.	85,966	7,032,019
Microsoft Corp.	66,369	14,761,793
Northrop Grumman Corp.	18,476	5,630,007
Oracle Corp.	167,162	10,813,710
Otis Worldwide Corp.	37,381	2,525,087
Philip Morris International, Inc.	84,590	7,003,206
Stanley Black & Decker, Inc.	15,134	2,702,327
Starbucks Corp.	37,480	4,009,610
The Home Depot, Inc.	16,695	4,434,526
Verizon Communications, Inc.	191,778	11,266,958
Waste Management, Inc.	27,595	3,254,278
		172,686,397
TOTAL COMMON STOCKS (Cost \$260,226,488)		\$ 323,156,855
PREFERRED SECURITIES - 3.6%		
South Korea - 3.6%		
Samsung Electronics Company, Ltd.	179,970	12,208,618
TOTAL PREFERRED SECURITIES (Cost \$7,074,746)		\$ 12,208,618
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 \$0)		\$ 11,199
SHORT-TERM INVESTMENTS - 0.6%		
Short-term funds - 0.6%		
Federated Government Obligations Fund, Institutional Class, 0.0100% (C)		
	2,029,576	2,029,576
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,029,576)		\$ 2,029,576
Total Investments (Global Trust) (Cost \$269,330,810) - 100.3%		\$ 337,406,248
Other assets and liabilities, net - (0.3%)		(1,021,474)
TOTAL NET ASSETS - 100.0%		\$ 336,384,774

Security Abbreviations and Legend

(A) Non-income producing security.
(B) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(C) The rate shown is the annualized seven-day yield as of 12-31-20.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Global Trust (continued)

DERIVATIVES

FORWARD FOREIGN CURRENCY CONTRACTS

	Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation	
USD	9,774,973	EUR	8,101,171	SSB	1/27/2021	—	\$(127,175)
USD	11,412,415	EUR	9,633,038	TD	1/27/2021	—	(362,151)
						—	\$(489,326)

Derivatives Currency Abbreviations

EUR	Euro
USD	U.S. Dollar

Derivatives Abbreviations

OTC	Over-the-counter
SSB	State Street Bank and Trust Company
TD	The Toronto-Dominion Bank

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

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	\$ 384,758
Financials – 0.3%		
Capital markets – 0.3%		
BCLS Acquisition Corp., Class A (C)	12,029	132,620
CM Life Sciences, Inc. (C)	14,588	169,221
Eucrates Biomedical Acquisition Corp. (C)	11,914	123,429
Health Sciences Acquisitions Corp. 2 (C)	13,354	171,065
Helix Acquisition Corp., Class A (C)	12,247	132,635
Therapeutics Acquisition Corp., Class A (C)	14,551	202,986
		<u>931,956</u>
Health care – 97.9%		
Biotechnology – 36.4%		
4D Molecular Therapeutics, Inc. (C)	8,184	339,227
AbbVie, Inc.	52,794	5,656,877
Abcam PLC	38,266	806,564
ACADIA Pharmaceuticals, Inc. (C)	38,308	2,047,946
Acceleron Pharma, Inc. (C)	28,207	3,608,804
Acerta Pharma BV, Class B (A)(B)(C)	4,276,305	523,420
ADC Therapeutics SA (C)	13,326	426,565
Adverum Biotechnologies, Inc. (C)	14,506	157,245
Agiros Pharmaceuticals, Inc. (C)	9,437	408,905
Akero Therapeutics, Inc. (C)	4,936	127,349
Akouos, Inc. (C)	8,414	166,850
Alector, Inc. (C)	16,204	245,167
Alexion Pharmaceuticals, Inc. (C)	6,596	1,030,559
Alkermes PLC (C)	3,287	65,576
Allogene Therapeutics, Inc. (C)	19,856	501,165
Alnylam Pharmaceuticals, Inc. (C)	18,674	2,427,060
Amarin Corp. PLC, ADR (C)	28,714	140,411
Amgen, Inc.	17,508	4,025,439
Annexon, Inc. (C)	8,751	219,038
Apellis Pharmaceuticals, Inc. (C)	18,572	1,062,318
Arcturus Therapeutics Holdings, Inc. (C)	9,549	414,236
Ardelyx, Inc. (C)	22,814	147,607
Argenx SE, ADR (C)	14,188	4,172,549
Ascendis Pharma A/S, ADR (C)	17,096	2,851,271
Avidity Biosciences, Inc. (C)	4,804	122,598
BeiGene, Ltd., ADR (C)	7,365	1,903,042
Biogen, Inc. (C)	12,285	3,008,105

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
BioMarin Pharmaceutical, Inc. (C)	8,774	\$ 769,392
BioNTech SE, ADR (C)	22,542	1,837,624
Bluebird Bio, Inc. (C)	5,504	238,158
Blueprint Medicines Corp. (C)	11,214	1,257,650
Burning Rock Biotech, Ltd., ADR (C)	12,445	287,480
C4 Therapeutics, Inc. (C)	16,356	541,874
Cardiff Oncology, Inc. (C)	8,574	154,246
Celldex Therapeutics, Inc. (C)	6,300	110,376
Cerevel Therapeutics Holdings, Inc. (C)	11,246	186,459
Constellation Pharmaceuticals, Inc. (C)	5,100	146,880
CRISPR Therapeutics AG (C)	7,552	1,156,287
CureVac NV (C)	7,477	606,160
Deciphera Pharmaceuticals, Inc. (C)	5,618	320,619
Denali Therapeutics, Inc. (C)	34,130	2,858,729
Dicerna Pharmaceuticals, Inc. (C)	14,778	325,559
Dyne Therapeutics, Inc. (C)	7,650	160,650
Enanta Pharmaceuticals, Inc. (C)	5,254	221,193
Epizyme, Inc. (C)	9,713	105,483
Exact Sciences Corp. (C)	25,393	3,364,319
Exelixis, Inc. (C)	99,496	1,996,885
Fate Therapeutics, Inc. (C)	22,603	2,055,291
FibroGen, Inc. (C)	23,547	873,358
Five Prime Therapeutics, Inc. (C)	12,600	214,326
G1 Therapeutics, Inc. (C)	2,707	48,699
Generation Bio Company (C)	19,716	558,949
Genmab A/S (C)	2,464	999,137
Global Blood Therapeutics, Inc. (C)	10,432	451,810
Homology Medicines, Inc. (C)	6,272	70,811
Ideaya Biosciences, Inc. (C)	6,100	85,400
IGM Biosciences, Inc. (C)	4,882	431,032
Immunic, Inc. (C)	6,508	99,507
Immunovant, Inc. (C)	4,517	208,640
Incyte Corp. (C)	48,961	4,258,628
Insmed, Inc. (C)	33,464	1,114,017
Intellia Therapeutics, Inc. (C)	10,092	549,005
Invitae Corp. (C)	15,000	627,150
Ionis Pharmaceuticals, Inc. (C)	32,170	1,818,892
Iovance Biotherapeutics, Inc. (C)	47,436	2,201,030
IVERIC bio, Inc. (C)	37,581	259,685
Karuna Therapeutics, Inc. (C)	7,747	787,018
Karyopharm Therapeutics, Inc. (C)	8,871	137,323
Kodiak Sciences, Inc. (C)	21,443	3,150,191

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Kronos Bio, Inc. (C)	7,495	\$ 223,876
Kymera Therapeutics, Inc. (C)	6,331	392,522
Legend Biotech Corp., ADR (C)	3,497	98,476
Madrigal Pharmaceuticals, Inc. (C)	1,400	155,638
MeiraGTx Holdings PLC (C)	10,086	152,702
Mersana Therapeutics, Inc. (C)	22,688	603,728
Mirati Therapeutics, Inc. (C)	9,293	2,041,115
Moderna, Inc. (C)	18,896	1,974,065
MorphoSys AG (C)	4,770	557,706
Neurocrine Biosciences, Inc. (C)	20,015	1,918,438
Nkarta, Inc. (C)	5,244	322,349
Novavax, Inc. (C)	4,846	540,377
Nurix Therapeutics, Inc. (C)	11,040	362,995
Prelude Therapeutics, Inc. (C)	6,216	444,755
Progenics Pharmaceuticals, Inc. (B)(C)	21,900	986
Protagonist Therapeutics, Inc. (C)	12,266	247,283
Protara Therapeutics, Inc. (C)	6,963	168,574
PTC Therapeutics, Inc. (C)	9,074	553,786
Radius Health, Inc. (C)	4,391	78,423
RAPT Therapeutics, Inc. (C)	12,795	252,701
Regeneron Pharmaceuticals, Inc. (C)	9,456	4,568,288
REGENXBIO, Inc. (C)	4,700	213,192
Relay Therapeutics, Inc. (C)	5,385	223,801
Replimune Group, Inc. (C)	16,481	628,750
Rocket Pharmaceuticals, Inc. (C)	21,741	1,192,276
Sage Therapeutics, Inc. (C)	14,312	1,238,131
Sarepta Therapeutics, Inc. (C)	9,168	1,563,052
Scholar Rock Holding Corp. (C)	13,162	638,752
Seagen, Inc. (C)	22,743	3,983,209
Seres Therapeutics, Inc. (C)	9,002	220,549
SpringWorks Therapeutics, Inc. (C)	5,481	397,482
Stoke Therapeutics, Inc. (C)	7,927	490,919
Syndax Pharmaceuticals, Inc. (C)	2,500	55,600
TG Therapeutics, Inc. (C)	5,171	268,995
Translate Bio, Inc. (C)	16,693	307,652
Turning Point Therapeutics, Inc. (C)	8,840	1,077,154
Twist Bioscience Corp. (C)	8,438	1,192,205
Ultragenyx Pharmaceutical, Inc. (C)	25,313	3,504,079
UniQure NV (C)	10,600	382,978
United Therapeutics Corp. (C)	2,700	409,833
Vaxart, Inc. (C)	18,600	106,206
Vertex Pharmaceuticals, Inc. (C)	35,646	8,424,576
Xencor, Inc. (C)	19,055	831,370
Zai Lab, Ltd., ADR (C)	5,409	732,054
Zeneca, Inc. (B)(C)	13,151	8,088
Zentalis Pharmaceuticals, Inc. (C)	5,348	277,775
Zymeworks, Inc. (C)	6,823	322,455
		118,601,731
Health care equipment and supplies – 21.1%		
Alcon, Inc. (C)	12,946	859,564
Alphatec Holdings, Inc. (C)	18,288	265,542
AtriCure, Inc. (C)	8,662	482,214
Becton, Dickinson and Company	24,328	6,087,352
Danaher Corp.	38,972	8,657,240
DexCom, Inc. (C)	6,873	2,541,086
DiaSorin SpA	4,447	928,492
Envista Holdings Corp. (C)	53,904	1,818,182
GenMark Diagnostics, Inc. (C)	27,332	399,047
Hologic, Inc. (C)	54,712	3,984,675
ICU Medical, Inc. (C)	3,225	691,730
Inari Medical, Inc. (C)	3,430	299,405
Insulet Corp. (C)	6,700	1,712,721
Intuitive Surgical, Inc. (C)	14,682	12,011,344
iRhythm Technologies, Inc. (C)	6,982	1,656,200
Lantheus Holdings, Inc. (C)	29,133	393,004

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Nevro Corp. (C)	10,540	\$ 1,824,474
Novocure, Ltd. (C)	8,076	1,397,471
Outset Medical, Inc. (C)	18,326	1,041,650
Penumbra, Inc. (C)	10,676	1,868,300
Pulmonx Corp. (C)	3,467	239,292
Quidel Corp. (C)	9,984	1,793,626
Shockwave Medical, Inc. (C)	8,231	853,719
Stryker Corp.	32,419	7,943,952
Tandem Diabetes Care, Inc. (C)	8,900	851,552
Teleflex, Inc.	5,980	2,461,189
The Cooper Companies, Inc.	4,458	1,619,681
West Pharmaceutical Services, Inc.	10,461	2,963,706
Zimmer Biomet Holdings, Inc.	6,050	932,245
		68,578,655
Health care providers and services – 16.0%		
Amedisys, Inc. (C)	3,907	1,146,040
Anthem, Inc.	15,795	5,071,617
Centene Corp. (C)	87,315	5,241,519
Cigna Corp.	28,090	5,847,776
Guardant Health, Inc. (C)	10,294	1,326,691
HCA Healthcare, Inc.	25,371	4,172,515
Humana, Inc.	14,957	6,136,408
Molina Healthcare, Inc. (C)	12,338	2,624,046
Oak Street Health, Inc. (C)	4,998	305,678
Option Care Health, Inc. (C)	21,167	331,052
The Pennant Group, Inc. (C)	10,535	611,662
UnitedHealth Group, Inc.	54,936	19,264,949
		52,079,953
Health care technology – 1.5%		
Accolade, Inc. (C)	4,270	185,745
Certara, Inc. (C)	10,869	366,503
Multiplan Corp. (C)	32,800	262,072
Phreesia, Inc. (C)	12,066	654,701
Schrodinger, Inc. (C)	4,954	392,258
Teladoc Health, Inc. (C)	3,864	772,645
Veeva Systems, Inc., Class A (C)	7,778	2,117,561
		4,751,485
Life sciences tools and services – 9.9%		
10X Genomics, Inc., Class A (C)	7,961	1,127,278
Adaptive Biotechnologies Corp. (C)	12,472	737,469
Agilent Technologies, Inc.	42,444	5,029,190
Avantor, Inc. (C)	67,842	1,909,752
Berkeley Lights, Inc. (C)	5,231	467,704
Bio-Techne Corp.	2,500	793,875
Bruker Corp.	35,931	1,944,945
Codexis, Inc. (C)	10,735	234,345
Evotec SE (C)	21,866	807,990
Lonza Group AG	1,486	957,231
Mettler-Toledo International, Inc. (C)	999	1,138,540
Pacific Biosciences of California, Inc. (C)	51,594	1,338,348
PPD, Inc. (C)	13,858	474,221
PRA Health Sciences, Inc. (C)	7,908	991,980
Quanterix Corp. (C)	15,636	727,074
Repligen Corp. (C)	1,226	234,938
Seer, Inc. (C)	5,198	291,816
Thermo Fisher Scientific, Inc.	26,427	12,309,168
Wuxi Biologics Cayman, Inc. (C)(D)	64,500	855,356
		32,371,220
Pharmaceuticals – 13.0%		
Arvinas, Inc. (C)	11,423	970,155
Astellas Pharma, Inc.	53,700	831,478
AstraZeneca PLC, ADR	95,860	4,792,041
Atea Pharmaceuticals, Inc. (C)	3,959	165,407
Athira Pharma, Inc. (C)	11,226	384,491

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Health Sciences Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Axsome Therapeutics, Inc. (C)	7,621	\$ 620,883
BioAtla, Inc. (C)	6,118	208,073
Cara Therapeutics, Inc. (C)	14,333	216,858
Catalent, Inc. (C)	14,481	1,507,038
Chugai Pharmaceutical Company, Ltd.	17,500	933,715
Daiichi Sankyo Company, Ltd.	56,200	1,925,984
Eisai Company, Ltd.	9,300	665,072
Elanco Animal Health, Inc. (C)	24,808	760,861
Eli Lilly & Company	51,637	8,718,391
GW Pharmaceuticals PLC, ADR (C)	3,877	447,445
Ipsen SA	4,248	351,259
Kinnate Biopharma, Inc. (C)	9,888	393,345
Merck & Company, Inc.	112,876	9,233,257
Merck KGaA	10,442	1,790,952
Milestone Pharmaceuticals, Inc. (C)	6,904	46,257
Reata Pharmaceuticals, Inc., Class A (C)	3,824	472,723
Roche Holding AG	10,189	3,548,813
Royalty Pharma PLC, Class A	37,249	1,864,312
Sanofi	16,005	1,551,253
WaVe Life Sciences, Ltd. (C)	13,514	106,355
		42,506,418
		318,889,462
Information technology – 0.1%		
Electronic equipment, instruments and components – 0.1%		
908 Devices, Inc. (C)	3,759	214,075
TOTAL COMMON STOCKS (Cost \$206,072,180)		\$ 320,420,251
PREFERRED SECURITIES – 1.1%		
Consumer discretionary – 0.3%		
Specialty retail – 0.3%		
JAND, Inc., Series D (A)(B)(C)	33,198	859,164
Health care – 0.5%		
Health care equipment and supplies – 0.5%		
Sartorius AG	4,254	1,791,697
Information technology – 0.3%		
Software – 0.3%		
Doximity, Inc. (A)(B)(C)	31,611	862,348
TOTAL PREFERRED SECURITIES (Cost \$1,168,265)		\$ 3,513,209
RIGHTS – 0.0%		
Bristol-Myers Squibb Company (Expiration Date: 3-31-21) (C)(E)	98,196	67,765
TOTAL RIGHTS (Cost \$263,381)		\$ 67,765
WARRANTS – 0.0%		
Cerevel Therapeutics Holdings, Inc. (Expiration Date: 10-27-25; Strike Price: \$11.50) (C)	3,748	21,176
TOTAL WARRANTS (Cost \$7,214)		\$ 21,176
SHORT-TERM INVESTMENTS – 0.4%		
Short-term funds – 0.4%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (F)	615,266	615,266
T. Rowe Price Government Reserve Fund, 0.0753% (F)	793,778	793,778
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,409,044)		\$ 1,409,044
Total Investments (Health Sciences Trust) (Cost \$208,920,084) – 99.9%		\$ 325,431,445
Other assets and liabilities, net – 0.1%		165,249
TOTAL NET ASSETS – 100.0%		\$ 325,596,694

Health Sciences Trust (continued)

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 12-31-20.

International Equity Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 97.2%		
Argentina - 0.0%		
Globant SA (A)	1,200	\$ 261,132
YPF SA, ADR (A)	6,300	29,610
		290,742
Australia - 4.6%		
Afterpay, Ltd. (A)	7,435	675,884
AGL Energy, Ltd.	24,640	227,437
AMP, Ltd.	145,968	175,413
Ampol, Ltd.	9,411	206,370
APA Group	44,410	330,432
Aristocrat Leisure, Ltd.	21,036	505,095
ASX, Ltd.	6,626	367,724
Aurizon Holdings, Ltd.	76,706	230,458
AusNet Services	84,537	114,572
Australia & New Zealand Banking Group, Ltd.	97,066	1,703,328
BHP Group PLC	71,227	1,880,708
BHP Group, Ltd.	99,346	3,246,090
BlueScope Steel, Ltd.	20,070	271,041
Brambles, Ltd.	57,919	475,069
CIMIC Group, Ltd. (A)(B)	3,702	69,635
Coca-Cola Amatil, Ltd.	21,130	210,542
Cochlear, Ltd.	2,361	344,507
Coles Group, Ltd.	45,471	635,295
Commonwealth Bank of Australia	60,585	3,850,908
Computershare, Ltd.	16,916	190,358
Crown Resorts, Ltd.	14,067	104,693
CSL, Ltd.	15,539	3,395,158
Dexus	39,487	286,397
Evolution Mining, Ltd.	56,369	216,929
Fortescue Metals Group, Ltd.	54,593	986,081
Goodman Group	57,212	836,295
Insurance Australia Group, Ltd.	79,094	287,038
Lendlease Corp., Ltd.	20,344	205,695
Macquarie Group, Ltd.	11,522	1,229,852
Magellan Financial Group, Ltd.	4,432	183,566
Medibank Pvt., Ltd.	99,625	230,746
Mirvac Group	141,329	287,036
National Australia Bank, Ltd.	110,955	1,934,373
Newcrest Mining, Ltd.	28,639	571,571
Northern Star Resources, Ltd.	25,763	251,807
Oil Search, Ltd.	55,389	158,742
Orica, Ltd.	13,519	158,116
Origin Energy, Ltd.	71,385	262,081
Qantas Airways, Ltd. (A)	26,994	101,221
QBE Insurance Group, Ltd. (B)	49,235	320,935
Ramsay Health Care, Ltd.	6,659	319,970
REA Group, Ltd.	2,146	245,819

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Rio Tinto, Ltd.	12,705	\$ 1,117,298
Santos, Ltd.	64,049	310,171
Scentre Group	177,637	381,563
SEEK, Ltd.	11,910	261,125
Sonic Healthcare, Ltd.	16,282	403,417
South32, Ltd.	112,851	215,677
South32, Ltd. (London Stock Exchange)	74,597	141,046
Stockland	87,409	282,206
Suncorp Group, Ltd.	43,155	324,762
Sydney Airport (A)	47,614	235,681
Tabcorp Holdings, Ltd.	82,609	248,714
Telstra Corp., Ltd.	142,464	327,184
The GPT Group	79,169	275,376
TPG Telecom, Ltd. (A)(B)	13,013	72,274
Transurban Group	93,607	986,414
Treasury Wine Estates, Ltd.	26,341	190,547
Vicinity Centres	127,154	157,222
Washington H. Soul Pattinson & Company, Ltd. (B)	3,863	89,861
Wesfarmers, Ltd.	38,805	1,508,240
Westpac Banking Corp.	125,539	1,868,187
WiseTech Global, Ltd.	5,291	125,742
Woodside Petroleum, Ltd.	32,185	564,707
Woolworths Group, Ltd.	43,228	1,310,261
		39,682,662
Austria - 0.1%		
Erste Group Bank AG	11,010	335,393
OMV AG	5,543	221,403
Raiffeisen Bank International AG (A)	4,926	100,104
Verbund AG	2,442	207,464
voestalpine AG	4,357	155,503
		1,019,867
Belgium - 0.6%		
Ageas SA/NV	6,383	338,981
Anheuser-Busch InBev SA/NV	26,526	1,850,622
Elia Group SA/NV	1,076	128,431
Etablissements Franz Colruyt NV	2,769	163,565
Galapagos NV (A)	1,603	158,655
Groupe Bruxelles Lambert SA	3,809	383,922
KBC Group NV (A)	8,597	601,624
Proximus SADP	5,996	118,440
Sofina SA	537	181,653
Solvay SA	2,881	339,767
UCB SA	4,152	428,888
Umicore SA (B)	6,530	313,863
		5,008,411
Brazil - 1.1%		
Ambev SA	161,630	488,629
Atacadao SA	13,900	51,829
B2W Cia Digital (A)	8,038	117,054
B3 SA - Brasil Bolsa Balcao	73,407	878,886
Banco Bradesco SA	42,418	198,839
Banco BTG Pactual SA	8,837	159,718
Banco do Brasil SA	30,113	226,380
Banco Santander Brasil SA	14,000	121,572
BB Seguridade Participacoes SA	24,400	139,643
Bradespar SA	7,600	93,510
BRF SA (A)	19,720	83,916
CCR SA	40,100	104,320
Centrais Eletricas Brasileiras SA	9,400	66,919
Centrais Eletricas Brasileiras SA, ADR	1,429	9,489
Cia Brasileira de Distribuicao	4,938	71,397
Cia Brasileira de Distribuicao, ADR	628	8,993

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Brazil (continued)		
Cia de Saneamento Basico do Estado de Sao Paulo	11,270	\$ 97,154
Cia Siderurgica Nacional SA, ADR	11,800	70,210
Cosan SA	5,611	81,949
Energisa SA	6,100	61,836
Engie Brasil Energia SA	7,275	61,798
Equatorial Energia SA	30,700	137,550
Hypera SA	10,908	72,138
JBS SA	34,073	155,294
Klabin SA	24,000	121,991
Localiza Rent a Car SA	21,027	280,235
Lojas Renner SA	25,927	218,008
Magazine Luiza SA	92,108	441,673
Multiplan Empreendimentos Imobiliarios SA	9,975	45,350
Natura & Company Holding SA (A)	26,929	273,374
Notre Dame Intermedica Participacoes SA	17,255	261,562
Petrobras Distribuidora SA	25,000	106,688
Petroleo Brasileiro SA	133,029	734,888
Raia Drogasil SA	40,500	194,687
Rumo SA (A)	45,451	168,094
Sul America SA	10,493	89,857
Suzano SA (A)	22,263	250,015
Suzano SA, ADR (A)	3,164	35,374
Telefonica Brasil SA	9,652	86,780
Telefonica Brasil SA, ADR	6,017	53,250
Tim SA	28,020	79,405
TOTVS SA	16,600	91,968
Ultrapar Participacoes SA	25,400	116,277
Vale SA	128,797	2,167,815
Via Varejo SA (A)	44,400	138,323
WEG SA	30,058	438,992
		9,953,629
Canada - 6.3%		
Agnico Eagle Mines, Ltd.	8,384	590,088
Air Canada (A)	4,700	84,075
Algonquin Power & Utilities Corp. (B)	19,850	326,701
Alimentation Couche-Tard, Inc., Class B	29,500	1,005,350
AltaGas, Ltd.	11,500	169,126
Atco, Ltd., Class I	3,400	97,467
B2Gold Corp.	36,100	202,210
Bank of Montreal	21,998	1,672,532
Barrick Gold Corp.	40,477	922,172
Barrick Gold Corp. (London Stock Exchange)	20,657	482,502
BCE, Inc.	5,524	236,210
BlackBerry, Ltd. (A)	21,000	139,241
Brookfield Asset Management, Inc., Class A (B)	43,372	1,792,941
CAE, Inc.	10,400	288,167
Cameco Corp. (B)	16,300	218,332
Canadian Apartment Properties REIT	2,900	113,890
Canadian Imperial Bank of Commerce	15,700	1,340,957
Canadian National Railway Company	24,400	2,682,486
Canadian Natural Resources, Ltd.	41,660	1,001,162
Canadian Pacific Railway, Ltd.	4,700	1,630,286
Canadian Tire Corp., Ltd., Class A (B)	2,100	276,057
Canadian Utilities, Ltd., Class A	4,600	112,353
Canopy Growth Corp. (A)(B)	8,000	196,842
CCL Industries, Inc., Class B	6,000	272,402
Cenovus Energy, Inc. (B)	40,300	245,365
CGI, Inc. (A)	7,900	626,774
CI Financial Corp.	6,700	83,059
Constellation Software, Inc.	700	908,983
Dollarama, Inc.	10,100	411,649

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Emera, Inc.	8,200	\$ 348,511
Empire Company, Ltd., Class A	6,200	169,454
Enbridge, Inc.	69,600	2,225,953
Fairfax Financial Holdings, Ltd.	1,000	340,836
First Quantum Minerals, Ltd.	20,154	361,787
FirstService Corp.	1,300	177,929
Fortis, Inc.	15,335	626,459
Franco-Nevada Corp.	6,796	852,103
George Weston, Ltd.	2,799	209,073
Gfl Environmental, Inc. (B)	6,400	186,585
Gildan Activewear, Inc. (B)	8,400	234,862
Great-West Lifeco, Inc.	9,900	236,048
Hydro One, Ltd. (C)	10,900	245,333
iA Financial Corp., Inc.	3,400	147,389
IGM Financial, Inc. (B)	3,000	81,334
Imperial Oil, Ltd. (B)	8,630	163,800
Intact Financial Corp.	5,000	592,034
Inter Pipeline, Ltd. (B)	15,900	148,270
Keyera Corp. (B)	8,500	151,049
Kinross Gold Corp.	41,629	305,456
Kirkland Lake Gold, Ltd. (B)	8,100	334,716
Loblaw Companies, Ltd.	6,140	302,972
Lundin Mining Corp.	26,800	237,913
Magna International, Inc.	9,800	693,753
Manulife Financial Corp. (D)	68,800	1,224,228
Metro, Inc.	9,357	417,533
National Bank of Canada	11,500	647,231
Northland Power, Inc.	6,400	229,624
Nutrien, Ltd. (B)	20,490	985,786
Onex Corp.	3,500	200,888
Open Text Corp.	9,700	440,764
Pan American Silver Corp.	7,300	251,764
Parkland Corp.	5,400	171,346
Pembina Pipeline Corp. (B)	18,998	449,242
Power Corp. of Canada (B)	19,412	445,764
Quebecor, Inc., Class B	6,400	164,714
Restaurant Brands International, Inc.	9,046	553,107
RioCan Real Estate Investment Trust	6,300	82,901
Ritchie Bros Auctioneers, Inc.	3,800	264,140
Rogers Communications, Inc., Class B	12,200	567,972
Royal Bank of Canada	48,000	3,944,002
Saputo, Inc.	9,100	254,720
Shaw Communications, Inc., Class B	16,926	297,059
Shopify, Inc., Class A (A)	3,700	4,177,928
SSR Mining, Inc. (A)(B)	7,400	148,593
Sun Life Financial, Inc.	20,700	920,434
Suncor Energy, Inc.	54,435	913,023
TC Energy Corp.	32,297	1,313,041
Teck Resources, Ltd., Class B	16,161	293,282
TELUS Corp.	15,991	316,704
The Bank of Nova Scotia (B)	41,700	2,253,877
The Toronto-Dominion Bank	60,772	3,433,673
Thomson Reuters Corp.	5,954	487,303
TMX Group, Ltd.	2,000	199,764
Topicus.com, Inc. (A)(E)	1,302	4,922
Toromont Industries, Ltd. (B)	2,800	196,213
Wheaton Precious Metals Corp.	16,184	675,891
WSP Global, Inc.	3,800	359,998
Yamana Gold, Inc.	33,100	189,046
		54,979,475
Chile - 0.1%		
Antofagasta PLC	16,040	314,692
Banco Santander Chile, ADR	4,908	93,203
Cencosud SA	61,383	109,376
Cia Cervecerias Unidas SA, ADR	1,518	22,315

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chile (continued)		
Enel Americas SA, ADR	24,015	\$ 197,403
Enel Chile SA, ADR	14,822	57,658
Sociedad Quimica y Minera de Chile SA, ADR	3,144	154,339
		948,986
China - 10.4%		
3SBio, Inc. (A)(C)	40,500	36,973
51job, Inc., ADR (A)	900	63,000
AAC Technologies Holdings, Inc.	27,342	151,554
AEEC Aviation Power Company, Ltd., Class A	3,600	32,722
Agile Group Holdings, Ltd.	54,000	71,875
Agricultural Bank of China, Ltd., Class A	165,700	79,604
Agricultural Bank of China, Ltd., H Shares	934,000	342,070
Aier Eye Hospital Group Company, Ltd., Class A	8,944	102,485
Air China, Ltd., H Shares	84,534	66,643
Airtac International Group	4,000	128,563
Alibaba Group Holding, Ltd., ADR (A)	63,900	14,871,447
Aluminum Corp. of China, Ltd., A Shares (A)	29,100	16,170
Aluminum Corp. of China, Ltd., H Shares (A)	185,220	65,209
Anhui Conch Cement Company, Ltd., Class A	8,900	70,353
Anhui Conch Cement Company, Ltd., H Shares	44,290	277,568
Anhui Gujing Distillery Company, Ltd., Class A	900	37,466
ANTA Sports Products, Ltd.	37,000	587,083
Autohome, Inc., ADR	2,100	209,202
Avic Capital Company, Ltd., Class A	20,000	13,401
AVIC Jonhon Optron Technology Company, Ltd., Class A	2,300	27,581
AVIC Xi'an Aircraft Industry Group Company, Ltd., Class A	6,200	34,821
AviChina Industry & Technology Company, Ltd., H Shares	72,000	50,335
Baidu, Inc., ADR (A)	9,200	1,989,408
Bank of Beijing Company, Ltd., Class A	47,000	34,798
Bank of China, Ltd., Class A	78,100	37,988
Bank of China, Ltd., H Shares	2,682,563	907,924
Bank of Communications Company, Ltd., Class A	87,300	59,829
Bank of Communications Company, Ltd., H Shares	337,527	178,539
Bank of Hangzhou Company, Ltd., Class A	11,400	26,033
Bank of Jiangsu Company, Ltd., Class A	25,700	21,469
Bank of Nanjing Company, Ltd., Class A	13,600	16,808
Bank of Ningbo Company, Ltd., Class A	12,500	67,580
Bank of Shanghai Company, Ltd., Class A	31,610	37,924
Baoshan Iron & Steel Company, Ltd., Class A	41,300	37,606
Baozun, Inc., ADR (A)	1,300	44,655
BeiGene, Ltd., ADR (A)	1,500	387,585
Beijing Capital International Airport Company, Ltd., H Shares	52,789	44,061
Beijing Shunxin Agriculture Company, Ltd., Class A	1,700	18,884
Bilibili, Inc., ADR (A)	3,400	291,448
BOE Technology Group Company, Ltd., Class A	75,300	69,218
BYD Company, Ltd., Class A	4,000	119,148
BYD Company, Ltd., H Shares	21,605	568,822

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
BYD Electronic International Company, Ltd. (B)	13,500	\$ 70,825
CGN Power Company, Ltd., H Shares (C)	446,000	96,179
Changchun High & New Technology Industry Group, Inc., Class A	800	54,920
China Aoyuan Group, Ltd.	64,000	62,271
China Cinda Asset Management Company, Ltd., H Shares	304,800	57,834
China CITIC Bank Corp., Ltd., H Shares	310,800	132,023
China Communications Construction Company, Ltd., H Shares	122,335	52,908
China Communications Services Corp., Ltd., H Shares	129,600	57,252
China Conch Venture Holdings, Ltd.	57,900	281,745
China Construction Bank Corp., Class A	15,400	14,794
China Construction Bank Corp., H Shares	3,293,914	2,484,530
China Eastern Airlines Corp., Ltd., Class A	15,800	11,331
China Everbright Bank Company, Ltd., Class A	88,600	54,097
China Everbright Bank Company, Ltd., H Shares	120,000	45,766
China Evergrande Group (B)	65,959	126,778
China Feihe, Ltd. (C)	39,000	91,511
China Fortune Land Development Company, Ltd., Class A	8,710	17,229
China Galaxy Securities Company, Ltd., H Shares	129,500	81,247
China Greatwall Technology Group Company, Ltd., Class A	6,500	18,906
China Hongqiao Group, Ltd.	34,500	31,630
China Huarong Asset Management Company, Ltd., H Shares (C)	351,700	39,043
China Huishan Dairy Holdings Company, Ltd. (A)(E)	225,000	0
China International Capital Corp., Ltd., H Shares (A)(C)	36,800	99,774
China Life Insurance Company, Ltd., Class A	4,500	26,417
China Life Insurance Company, Ltd., H Shares	265,624	584,766
China Literature, Ltd. (A)(B)(C)	6,400	50,314
China Longyuan Power Group Corp., Ltd., H Shares	99,000	99,545
China Medical System Holdings, Ltd.	48,300	53,960
China Meidong Auto Holdings, Ltd.	18,000	73,271
China Merchants Bank Company, Ltd., Class A	45,900	308,757
China Merchants Bank Company, Ltd., H Shares	131,823	833,918
China Merchants Securities Company, Ltd., Class A	16,510	58,961
China Merchants Shekou Industrial Zone Holdings Company, Ltd., Class A	17,600	35,739
China Minsheng Banking Corp., Ltd., Class A	78,880	62,741
China Minsheng Banking Corp., Ltd., H Shares	242,496	138,234
China Molybdenum Company, Ltd., Class A	28,400	27,196
China Molybdenum Company, Ltd., H Shares	129,000	84,404
China National Building Material Company, Ltd., H Shares	138,000	166,109
China National Nuclear Power Company, Ltd., Class A	20,900	15,729

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
China Oilfield Services, Ltd., H Shares	56,000	\$ 47,468
China Pacific Insurance Group Company, Ltd., Class A	14,000	82,263
China Pacific Insurance Group Company, Ltd., H Shares	94,100	367,929
China Petroleum & Chemical Corp., Class A	56,700	34,967
China Petroleum & Chemical Corp., H Shares	819,361	364,894
China Railway Construction Corp., Ltd., Class A	20,500	24,788
China Railway Construction Corp., Ltd., H Shares	54,000	29,593
China Railway Group, Ltd., Class A	30,000	24,197
China Railway Group, Ltd., H Shares	179,000	78,994
China Resources Pharmaceutical Group, Ltd. (C)	66,000	33,938
China Shenhua Energy Company, Ltd., Class A	9,800	27,021
China Shenhua Energy Company, Ltd., H Shares	127,500	240,336
China Shipbuilding Industry Company, Ltd., Class A (A)	50,900	32,605
China Southern Airlines Company, Ltd., Class A (A)	13,800	12,606
China Southern Airlines Company, Ltd., H Shares (A)	64,000	38,254
China State Construction Engineering Corp., Ltd., Class A	93,340	70,979
China Telecom Corp., Ltd., H Shares	481,604	132,855
China Tourism Group Duty Free Corp., Ltd., Class A	4,300	186,115
China Tower Corp., Ltd., H Shares (C)	1,496,000	220,124
China United Network Communications, Ltd., Class A	69,100	47,173
China Vanke Company, Ltd., Class A	21,600	94,805
China Vanke Company, Ltd., H Shares	63,600	219,561
China Yangtze Power Company, Ltd., Class A	48,900	143,238
Chongqing Rural Commercial Bank Company, Ltd., H Shares	88,000	35,892
Chongqing Zhifei Biological Products Company, Ltd., Class A	2,100	47,466
CIFI Holdings Group Company, Ltd.	133,487	113,118
CITIC Securities Company, Ltd., Class A	21,900	98,425
CITIC Securities Company, Ltd., H Shares	75,500	170,365
CITIC, Ltd.	207,967	147,247
CNOOC, Ltd.	636,258	583,717
Contemporary Amperex Technology Company, Ltd., Class A	4,900	263,744
COSCO SHIPPING Holdings Company, Ltd., H Shares (A)	92,000	110,297
Country Garden Holdings Company, Ltd.	260,777	359,944
Country Garden Services Holdings Company, Ltd.	47,000	317,981
CRRC Corp., Ltd., Class A	43,300	35,186
CRRC Corp., Ltd., H Shares	131,150	45,194
CSC Financial Company, Ltd., Class A	6,200	39,824
CSPC Pharmaceutical Group, Ltd.	303,120	308,619
Dali Foods Group Company, Ltd. (C)	73,000	41,724
Daqin Railway Company, Ltd., Class A	33,100	32,706
Dongfeng Motor Group Company, Ltd., H Shares	123,220	143,986
East Money Information Company, Ltd., Class A	17,880	84,717

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
ENN Energy Holdings, Ltd.	26,600	\$ 390,480
Eve Energy Company, Ltd., Class A	4,181	52,179
Everbright Securities Company, Ltd., Class A	8,700	24,652
Focus Media Information Technology Company, Ltd., Class A	32,700	49,409
Foshan Haitian Flavouring & Food Company, Ltd., Class A	6,000	184,232
Fosun International, Ltd.	102,500	160,982
Founder Securities Company, Ltd., Class A (A)	13,200	20,943
Foxconn Industrial Internet Company, Ltd., Class A	6,400	13,416
Fuyao Glass Industry Group Company, Ltd., Class A	4,500	33,103
Fuyao Glass Industry Group Company, Ltd., H Shares (C)	16,800	92,472
GDS Holdings, Ltd., ADR (A)	2,100	196,644
Gemdale Corp., Class A	7,300	15,063
Genscript Biotech Corp. (A)	28,000	40,739
GF Securities Company, Ltd., Class A	13,200	32,878
GF Securities Company, Ltd., H Shares	47,800	67,584
Gigadevice Semiconductor Beijing, Inc., Class A	980	29,632
Glodon Company, Ltd., Class A	2,500	30,138
GoerTek, Inc., Class A	5,200	29,718
GOME Retail Holdings, Ltd. (A)	386,127	46,363
Great Wall Motor Company, Ltd., H Shares	104,500	359,542
Greenland Holdings Corp., Ltd., Class A	13,100	11,671
Greentown Service Group Company, Ltd.	22,000	27,197
GSX Techedu, Inc., ADR (A)(B)	2,700	139,617
Guangdong Haid Group Company, Ltd., Class A	3,500	35,060
Guangzhou Automobile Group Company, Ltd., H Shares	100,310	111,872
Guangzhou Baiyunshan Pharmaceutical Holdings Company, Ltd., Class A	2,300	10,302
Guangzhou R&F Properties Company, Ltd., H Shares	43,600	56,154
Guosen Securities Company, Ltd., Class A	6,600	13,764
Guotai Junan Securities Company, Ltd., Class A	16,700	44,763
Haidilao International Holding, Ltd. (C)	19,000	146,521
Haier Smart Home Company, Ltd., Class A	13,600	60,888
Haier Smart Home Company, Ltd., H Shares (A)	72,000	260,976
Haitian International Holdings, Ltd.	29,000	100,270
Haitong Securities Company, Ltd., Class A	18,000	35,418
Haitong Securities Company, Ltd., H Shares	113,200	101,163
Hangzhou Hikvision Digital Technology Company, Ltd., Class A	16,600	123,193
Hangzhou Tigermed Consulting Company, Ltd., A Shares	1,700	41,977
Hansoh Pharmaceutical Group Company, Ltd. (A)(C)	40,000	193,850
Henan Shuanghui Investment & Development Company, Ltd., Class A	4,400	31,622
Hengan International Group Company, Ltd.	25,000	177,015
Hengli Petrochemical Company, Ltd., Class A	9,500	40,651
Hithink RoyalFlush Information Network Company, Ltd., Class A	900	17,087
Hua Hong Semiconductor, Ltd. (A)(C)	9,000	51,239

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Huadong Medicine Company, Ltd., Class A	2,800	\$ 11,376
Hualan Biological Engineering, Inc., Class A	4,030	26,055
Huaneng Power International, Inc., H Shares	149,436	54,549
Huatai Securities Company, Ltd., Class A	16,400	45,180
Huatai Securities Company, Ltd., H Shares (C)	65,400	102,970
Huaxia Bank Company, Ltd., Class A	28,500	27,253
Huayu Automotive Systems Company, Ltd., Class A	5,100	22,521
Huazhu Group, Ltd., ADR	4,700	211,641
Hundsun Technologies, Inc., Class A	1,690	27,137
Iflytek Company, Ltd., Class A	3,500	21,897
Industrial & Commercial Bank of China, Ltd., Class A	120,000	91,599
Industrial & Commercial Bank of China, Ltd., H Shares	2,051,735	1,318,219
Industrial Bank Company, Ltd., Class A	46,200	147,553
Industrial Securities Company, Ltd., Class A	14,900	19,790
Inner Mongolia BaoTou Steel Union Company, Ltd., Class A (A)	48,800	8,737
Inner Mongolia Yili Industrial Group Company, Ltd., Class A	13,600	92,289
Innovent Biologics, Inc. (A)(C)	33,000	348,484
Inspur Electronic Information Industry Company, Ltd., Class A	3,248	13,382
iQIYI, Inc., ADR (A)	4,500	78,660
JD.com, Inc., ADR (A)	29,100	2,557,890
Jiangsu Expressway Company, Ltd., H Shares	41,145	46,021
Jiangsu Hengli Hydraulic Company, Ltd., Class A	2,960	51,213
Jiangsu Hengrui Medicine Company, Ltd., Class A	11,832	201,586
Jiangsu King's Luck Brewery JSC, Ltd., Class A	2,800	24,586
Jiangsu Yanghe Brewery Joint-Stock Company, Ltd., Class A	3,400	122,770
Jiangxi Copper Company, Ltd., H Shares	54,075	85,121
JOYY, Inc., ADR	2,000	159,960
Kaisa Group Holdings, Ltd. (A)	49,000	24,232
KE Holdings, Inc., ADR (A)	3,100	190,774
Kingdee International Software Group Company, Ltd. (A)	70,000	285,779
Kingsoft Corp., Ltd.	29,000	187,507
Kweichow Moutai Company, Ltd., Class A	2,500	763,997
KWG Group Holdings, Ltd.	45,000	61,482
Lenovo Group, Ltd.	257,436	243,378
Lens Technology Company, Ltd., Class A	7,300	34,145
Lepu Medical Technology Beijing Company, Ltd., Class A	4,000	16,626
Li Ning Company, Ltd.	70,500	485,121
Lingyi iTech Guangdong Company, Class A	12,700	23,326
Logan Group Company, Ltd.	48,000	78,633
Longfor Group Holdings, Ltd. (C)	64,100	374,951
LONGi Green Energy Technology Company, Ltd., Class A	8,100	114,364
Lufax Holding, Ltd., ADR (A)(B)	5,800	82,360
Luxshare Precision Industry Company, Ltd., Class A	15,495	133,169
Luye Pharma Group, Ltd. (C)	23,000	10,699

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Luzhou Laojiao Company, Ltd., Class A	3,300	\$ 114,171
Mango Excellent Media Company, Ltd., Class A	3,300	36,622
Meinian Onehealth Healthcare Holdings Company, Ltd., Class A (A)	8,300	14,398
Meituan, Class B (A)	121,400	4,569,916
Metallurgical Corp. of China, Ltd., A Shares	28,700	11,992
Microport Scientific Corp.	25,000	134,955
Minth Group, Ltd.	26,000	137,558
Momo, Inc., ADR	5,200	72,592
Muyuan Foods Company, Ltd., Class A	6,630	78,188
NARI Technology Company, Ltd., Class A	10,300	41,923
NetEase, Inc., ADR	14,000	1,340,780
New China Life Insurance Company, Ltd., Class A	4,600	40,792
New China Life Insurance Company, Ltd., H Shares	29,500	115,072
New Hope Liuhe Company, Ltd., Class A	6,800	23,324
New Oriental Education & Technology Group, Inc., ADR (A)	5,100	947,631
NIO, Inc., ADR (A)	36,000	1,754,640
Noah Holdings, Ltd., ADR (A)	1,000	47,810
Orient Securities Company, Ltd., Class A	9,600	17,075
Perfect World Company, Ltd., Class A	4,350	19,638
PetroChina Company, Ltd., Class A	36,000	22,853
PetroChina Company, Ltd., H Shares	712,261	220,547
PICC Property & Casualty Company, Ltd., H Shares	252,363	190,917
Pinduoduo, Inc., ADR (A)	12,800	2,274,176
Ping An Bank Company, Ltd., Class A	38,200	113,039
Ping An Healthcare and Technology Company, Ltd. (A)(C)	17,400	211,327
Ping An Insurance Group Company of China, Ltd., Class A	24,100	320,677
Ping An Insurance Group Company of China, Ltd., H Shares	198,790	2,419,198
Poly Developments and Holdings Group Company, Ltd., Class A	26,500	64,020
Postal Savings Bank of China Company, Ltd., H Shares (C)	285,000	161,042
Power Construction Corp. of China, Ltd., Class A	20,500	12,172
Rongsheng Petro Chemical Company, Ltd., Class A	9,300	39,332
SAIC Motor Corp., Ltd., Class A	17,300	64,735
Sanan Optoelectronics Company, Ltd., Class A	6,600	27,285
Sangfor Technologies, Inc., Class A	700	26,549
Sany Heavy Industry Company, Ltd., Class A	18,600	99,696
SDIC Capital Company, Ltd., Class A	7,800	16,508
SDIC Power Holdings Company, Ltd., Class A	10,900	14,401
Seazen Group, Ltd. (A)	64,000	53,461
Seazen Holdings Company, Ltd., Class A	5,000	26,614
Semiconductor Manufacturing International Corp. (A)	108,900	305,384
SF Holding Company, Ltd., Class A	3,600	48,575
Shaanxi Coal Industry Company, Ltd., Class A	13,400	19,160
Shandong Gold Mining Company, Ltd., Class A	5,880	21,271
Shandong Weigao Group Medical Polymer Company, Ltd., H Shares	80,000	180,993

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Shanghai Fosun Pharmaceutical Group Company, Ltd., Class A	3,200	\$ 26,470
Shanghai Fosun Pharmaceutical Group Company, Ltd., H Shares (B)	17,500	83,650
Shanghai International Airport Company, Ltd., Class A	1,600	18,526
Shanghai International Port Group Company, Ltd., Class A	13,700	9,576
Shanghai Lujiacui Finance & Trade Zone Development Company, Ltd., B Shares	39,240	30,701
Shanghai M&G Stationery, Inc., Class A	2,000	27,113
Shanghai Pharmaceuticals Holding Company, Ltd., H Shares	31,100	54,715
Shanghai Pudong Development Bank Company, Ltd., Class A	65,300	96,688
Shanxi Xinghuacun Fen Wine Factory Company, Ltd., Class A	1,400	80,426
Shengyi Technology Company, Ltd., Class A	5,100	22,007
Shennan Circuits Company, Ltd., Class A	1,120	18,539
Shenwan Hongyuan Group Company, Ltd., Class A	36,200	29,237
Shenzhen Goodix Technology Company, Ltd., Class A	800	19,057
Shenzhen Inovance Technology Company, Ltd., Class A	3,700	52,840
Shenzhen Kangtai Biological Products Company, Ltd., Class A	1,400	37,347
Shenzhen Mindray Bio-Medical Electronics Company, Ltd., Class A	700	45,536
Shenzhen Overseas Chinese Town Company, Ltd., Class A	13,200	14,321
Shenzhen Sunway Communication Company, Ltd., Class A	2,200	12,090
Shenzhen International Group Holdings, Ltd.	27,000	529,153
Sichuan Chuantou Energy Company, Ltd., Class A	9,800	15,068
Silergy Corp.	3,000	258,185
SINA Corp. (A)(B)	2,300	97,474
Sinopharm Group Company, Ltd., H Shares	42,800	103,825
Sinotruk Hong Kong, Ltd.	24,500	62,758
Smoores International Holdings, Ltd. (A)(C)	16,000	123,988
Songcheng Performance Development Company, Ltd., Class A	5,760	15,619
Spring Airlines Company, Ltd., Class A	2,000	17,000
Sunac China Holdings, Ltd.	87,000	321,593
Suning.com Company, Ltd., Class A	20,700	24,435
Sunny Optical Technology Group Company, Ltd.	25,400	554,952
TAL Education Group, ADR (A)	12,800	915,328
TCL Technology Group Corp., Class A	21,800	23,616
Tencent Holdings, Ltd.	193,900	13,951,841
Tencent Music Entertainment Group, ADR (A)	12,400	238,576
The People's Insurance Company Group of China, Ltd., H Shares	265,000	84,104
Tingyi Cayman Islands Holding Corp.	76,000	129,999
Tongwei Company, Ltd., Class A	6,200	36,463
TravelSky Technology, Ltd., H Shares	31,000	74,893
Trip.com Group, Ltd., ADR (A)	16,000	539,680
Tsingtao Brewery Company, Ltd., H Shares	12,000	125,723
Uni-President China Holdings, Ltd.	46,000	46,841

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Unisplendour Corp., Ltd., Class A	5,320	\$ 16,657
Vipshop Holdings, Ltd., ADR (A)	15,300	430,083
Walvax Biotechnology Company, Ltd., Class A	3,400	20,021
Wanhua Chemical Group Company, Ltd., Class A	7,000	97,537
Want Want China Holdings, Ltd.	218,000	157,610
Weibo Corp., ADR (A)(B)	1,890	77,471
Weichai Power Company, Ltd., Class A	9,600	23,201
Weichai Power Company, Ltd., H Shares	78,720	158,284
Wens Foodstuffs Group Company, Ltd., Class A	14,160	39,513
Will Semiconductor, Ltd., Class A	1,300	46,020
Wuhu Sanqi Interactive Entertainment Network Technology Group Company, Ltd., Class A	4,700	22,465
Wuliangye Yibin Company, Ltd., Class A	8,600	384,079
WUS Printed Circuit Kunshan Company, Ltd., Class A	3,800	10,938
WuXi AppTec Company, Ltd., Class A	4,620	95,132
WuXi AppTec Company, Ltd., H Shares (C)	11,172	219,164
Wuxi Biologics Cayman, Inc. (A)(C)	94,500	1,253,197
Xiaomi Corp., Class B (A)(C)	416,400	1,769,816
Xinjiang Goldwind Science & Technology Company Ltd.	7,700	16,811
Xinjiang Goldwind Science & Technology Company, Ltd., H Shares	22,200	44,735
Xinyi Solar Holdings, Ltd.	137,007	359,261
XPeng, Inc., ADR (A)(B)	3,500	149,905
Yanzhou Coal Mining Company, Ltd., H Shares	85,990	68,916
Yihai International Holding, Ltd. (A)	16,000	237,613
Yonghui Superstores Company, Ltd., Class A	10,200	11,207
Yonyou Network Technology Company, Ltd., Class A	5,200	34,918
Yum China Holdings, Inc.	12,700	725,043
Yunda Holding Company, Ltd., Class A	3,120	7,502
Yunnan Baiyao Group Company, Ltd., Class A	2,800	48,663
Zai Lab, Ltd., ADR (A)	2,300	311,282
Zhangzhou Pientzheuang Pharmaceutical Company, Ltd., Class A	1,000	40,938
Zhaojin Mining Industry Company, Ltd., H Shares	37,500	44,688
Zhejiang Chint Electrics Company, Ltd., Class A	4,800	28,770
Zhejiang Dahua Technology Company, Ltd., Class A	4,800	14,606
Zhejiang Expressway Company, Ltd., H Shares	49,718	42,039
Zhejiang Longsheng Group Company, Ltd., Class A	7,200	15,010
Zhejiang NHU Company, Ltd., Class A	4,800	24,759
Zhejiang Sanhua Intelligent Controls Company, Ltd., Class A	8,060	30,395
Zhejiang Supor Company, Ltd., Class A	1,200	14,328
ZhongAn Online P&C Insurance Company, Ltd., H Shares (A)(B)(C)	5,900	27,495
Zhongsheng Group Holdings, Ltd.	20,000	142,867
Zhuzhou CRRC Times Electric Company, Ltd., H Shares	18,000	78,653
Zijin Mining Group Company, Ltd., Class A	27,800	39,572

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
China (continued)		
Zijin Mining Group Company, Ltd., H Shares	193,469	\$ 219,195
Zoomlion Heavy Industry Science and Technology Company, Ltd., Class A	14,300	21,679
ZTE Corp., Class A	7,600	39,129
ZTE Corp., H Shares	25,887	65,200
ZTO Express Cayman, Inc., ADR	11,400	332,424
		90,666,535
Colombia - 0.0%		
Bancolombia SA, ADR	3,447	138,500
Ecopetrol SA, ADR (B)	8,500	109,735
		248,235
Czech Republic - 0.0%		
CEZ AS	6,817	163,500
Komerční banka AS (A)	3,440	105,179
Moneta Money Bank AS (A)(C)	22,079	69,952
		338,631
Denmark - 1.6%		
A.P. Moller - Maersk A/S, Series A	107	221,039
A.P. Moller - Maersk A/S, Series B (B)	207	460,627
Ambu A/S, Class B	5,684	244,181
Carlsberg A/S, Class B	3,581	574,079
Chr. Hansen Holding A/S (A)	3,557	367,515
Coloplast A/S, B Shares	4,136	632,514
Danske Bank A/S (A)	26,235	433,597
Demant A/S (A)	5,000	197,628
DSV Panalpina A/S	7,363	1,237,439
Genmab A/S (A)	2,265	918,444
GN Store Nord A/S	4,458	355,366
H Lundbeck A/S	2,300	78,738
Novo Nordisk A/S, B Shares	58,071	4,050,985
Novozymes A/S, B Shares	7,019	399,802
Orsted A/S (C)	6,586	1,347,531
Pandora A/S	3,372	377,387
Rockwool International A/S, B Shares	272	101,798
Tryg A/S	4,500	141,530
Vestas Wind Systems A/S	6,846	1,617,227
		13,757,427
Egypt - 0.0%		
Commercial International Bank Egypt SAE	51,581	194,853
Finland - 0.8%		
Elisa OYJ	5,862	321,349
Fortum OYJ	16,798	405,840
Kesko OYJ, B Shares	9,211	236,414
Kone OYJ, B Shares	11,833	964,149
Neste OYJ (B)	14,709	1,067,922
Nokia OYJ (A)	140,582	542,970
Nokia OYJ (Euronext Paris Exchange) (A)	56,247	216,602
Nordea Bank ABP	113,451	929,775
Nordea Bank ABP	1,569	12,815
Orion OYJ, Class B	3,379	155,213
Sampo OYJ, A Shares	15,885	679,136
Stora Enso OYJ, R Shares	20,482	392,181
UPM-Kymmene OYJ	19,972	744,784
Wartsila OYJ ABP	15,222	152,347
		6,821,497
France - 6.8%		
Accor SA (A)	7,381	267,787
Aéroports de Paris (A)	1,190	153,957
Air Liquide SA	16,360	2,682,155
Airbus SE (A)	19,831	2,176,324
Alstom SA (A)(B)	8,418	479,479
Amundi SA (A)(C)	2,415	196,826

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Arkema SA	2,540	\$ 290,630
Atos SE (A)	3,698	337,683
AXA SA	66,841	1,602,994
BioMerieux	1,432	201,545
BNP Paribas SA (A)	37,933	2,002,554
Bollere SA	32,561	134,807
Bouygues SA	8,158	335,520
Bureau Veritas SA (A)	10,297	274,874
Capgemini SE	5,840	908,420
Carrefour SA	23,837	408,192
Cie de Saint-Gobain	18,075	831,308
Cie Generale des Etablissements Michelin SCA	5,963	767,772
CNP Assurances (A)	6,491	105,459
Covivio	2,169	199,030
Credit Agricole SA (A)	43,230	546,507
Danone SA	21,340	1,404,295
Dassault Aviation SA (A)(B)	98	106,714
Dassault Systemes SE	4,566	926,069
Edenred (B)	8,562	486,244
Eiffage SA (A)	3,075	297,234
Electricite de France SA (A)	23,423	370,651
Engie SA (A)	63,119	967,609
EssilorLuxottica SA	9,828	1,531,531
Eurazeo SE (A)	1,144	77,734
Faurecia SE (A)	2,970	152,172
Gecina SA	1,814	282,075
Getlink SE (A)(B)	18,178	314,499
Hermes International	1,094	1,176,347
Iliad SA	724	148,611
Ipsen SA	1,496	123,701
Kering SA	2,634	1,911,572
Klepierre SA	8,046	181,468
La Francaise des Jeux SAEM (C)	2,992	137,141
Legrand SA	9,225	825,232
L'Oreal SA	8,487	3,238,214
LVMH Moet Hennessy Louis Vuitton SE (B)	9,362	5,860,590
Natixis SA (A)	35,715	122,377
Orange SA	68,945	820,787
Orpea SA (A)(B)	1,800	236,036
Pernod Ricard SA	7,338	1,409,229
Peugeot SA (A)	21,593	591,335
Publicis Groupe SA	7,306	363,116
Remy Cointreau SA	930	173,589
Renault SA (A)	7,048	308,503
Safran SA (A)	11,141	1,579,048
Sanofi	38,211	3,703,503
Sartorius Stedim Biotech	961	342,569
Schneider Electric SE	17,545	2,535,718
Schneider Electric SE (Euronext London Exchange)	623	91,930
SCOR SE (A)	6,432	208,631
SEB SA	927	168,559
Societe Generale SA (A)	30,012	623,904
Sodexo SA	3,211	271,565
Suez SA	11,179	221,558
Teleperformance	2,029	673,586
Thales SA	4,046	370,178
TOTAL SE	85,421	3,686,939
Ubisoft Entertainment SA (A)	3,042	293,151
Unibail-Rodamco-Westfield (Euronext Amsterdam Exchange)	3,595	279,994
Unibail-Rodamco-Westfield, CHESSE Depository Interest (B)	27,093	105,810

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Valeo SA	9,342	\$ 368,486
Veolia Environnement SA	20,459	504,461
Vinci SA	17,915	1,784,492
Vivendi SA (B)	28,678	924,988
Wendel SE (B)	1,176	140,343
Worldline SA (A)(C)	8,074	784,369
		59,112,280
Germany - 5.5%		
adidas AG (A)	6,334	2,304,327
Allianz SE	14,252	3,501,310
BASF SE	30,975	2,448,332
Bayer AG	34,135	2,010,922
Bayerische Motoren Werke AG	11,166	985,467
Bechtle AG	921	202,242
Beiersdorf AG	3,796	436,384
Brenntag AG	5,855	455,291
Carl Zeiss Meditec AG, Bearer Shares	1,435	190,306
Commerzbank AG (A)	37,723	243,782
Continental AG	3,710	552,176
Covestro AG (C)	7,081	436,282
Daimler AG	29,795	2,111,836
Delivery Hero SE (A)(B)(C)	3,834	599,592
Deutsche Bank AG (A)	66,215	728,293
Deutsche Boerse AG	6,408	1,091,098
Deutsche Lufthansa AG (A)	9,032	119,509
Deutsche Post AG	34,392	1,703,624
Deutsche Telekom AG	112,403	2,051,635
Deutsche Wohnen SE	12,352	659,034
E.ON SE	78,119	865,025
Evonik Industries AG	6,743	220,391
Fresenius Medical Care AG & Company KGaA	7,798	650,251
Fresenius SE & Company KGaA	15,294	707,218
GEA Group AG	7,004	250,512
Hannover Rueck SE	2,322	370,023
HeidelbergCement AG	5,549	413,151
HelloFresh SE (A)(B)	4,984	385,521
Henkel AG & Company KGaA	3,884	374,262
HOCHTIEF AG	894	86,996
Infineon Technologies AG	42,737	1,632,057
KION Group AG (B)	2,693	233,541
Knorr-Bremse AG	2,071	282,903
LANXESS AG	3,216	244,577
LEG Immobilien AG	2,475	383,981
Merck KGaA	4,441	761,691
MTU Aero Engines AG	1,791	466,856
Muenchener Rueckversicherungs-Gesellschaft AG	4,871	1,447,293
Nemetschek SE	2,010	149,379
Puma SE (A)(B)	3,000	337,579
Rational AG	173	160,778
RWE AG	21,604	914,001
SAP SE	35,216	4,561,106
Scout24 AG (B)(C)	3,746	306,098
Siemens AG	26,136	3,764,776
Siemens Energy AG (A)	13,485	497,895
Siemens Healthineers AG (C)	9,063	466,391
Symrise AG	4,417	587,208
TeamViewer AG (A)(B)(C)	4,526	243,124
Telefonica Deutschland Holding AG (B)	32,281	88,910
Uniper SE (B)	7,281	252,284
United Internet AG	4,503	189,553
Volkswagen AG	1,264	263,547
Vonovia SE	18,519	1,352,510

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
Zalando SE (A)(B)(C)	5,780	\$ 642,914
		47,385,744
Greece - 0.0%		
FF Group (A)(E)	1,869	3,425
Hellenic Telecommunications Organization SA	8,503	136,733
JUMBO SA	5,651	97,451
OPAP SA	9,294	124,260
		361,869
Hong Kong - 2.9%		
AIA Group, Ltd.	407,800	4,969,501
Alibaba Health Information Technology, Ltd. (A)	122,000	361,122
Alibaba Pictures Group, Ltd. (A)(B)	500,000	62,018
ASM Pacific Technology, Ltd.	10,700	141,311
Beijing Enterprises Holdings, Ltd.	19,786	64,616
Beijing Enterprises Water Group, Ltd. (A)	198,000	79,658
BOC Hong Kong Holdings, Ltd.	132,328	401,116
Bosideng International Holdings, Ltd.	168,000	85,664
Brilliance China Automotive Holdings, Ltd.	108,000	98,590
Budweiser Brewing Company APAC, Ltd. (C)	42,500	140,392
China Common Rich Renewable Energy Investments, Ltd. (A)(E)	428,695	11,889
China Education Group Holdings, Ltd.	12,000	23,146
China Everbright Environment Group, Ltd.	117,851	66,571
China Everbright, Ltd.	32,216	43,145
China Gas Holdings, Ltd.	74,000	293,240
China Jinmao Holdings Group, Ltd.	224,000	103,177
China Mengniu Dairy Company, Ltd. (A)	93,004	560,735
China Merchants Port Holdings Company, Ltd.	47,564	58,222
China Mobile, Ltd.	207,030	1,180,165
China Overseas Land & Investment, Ltd.	142,882	310,411
China Power International Development, Ltd.	88,000	18,854
China Resources Beer Holdings Company, Ltd.	49,979	459,598
China Resources Cement Holdings, Ltd.	88,000	98,290
China Resources Gas Group, Ltd.	36,000	191,356
China Resources Land, Ltd.	110,964	457,270
China Resources Power Holdings Company, Ltd.	68,244	73,462
China State Construction International Holdings, Ltd.	71,250	40,680
China Taiping Insurance Holdings Company, Ltd.	60,500	109,168
China Traditional Chinese Medicine Holdings Company, Ltd.	80,000	39,604
China Unicom Hong Kong, Ltd.	215,982	123,212
China Youzan Ltd. (A)(B)	464,000	138,575
CK Asset Holdings, Ltd.	92,165	471,599
CK Hutchison Holdings, Ltd.	96,663	674,885
CK Infrastructure Holdings, Ltd.	24,772	133,036
CLP Holdings, Ltd.	58,900	544,627
COSCO SHIPPING Ports, Ltd.	105,511	73,390
ESR Cayman, Ltd. (A)(C)	56,800	203,892
Far East Horizon, Ltd.	89,000	91,739
Galaxy Entertainment Group, Ltd.	77,000	599,410
Geely Automobile Holdings, Ltd.	179,000	612,915
Guangdong Investment, Ltd.	99,220	178,863
Hang Lung Properties, Ltd.	74,326	195,868
Hang Seng Bank, Ltd.	27,319	471,473

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Henderson Land Development Company, Ltd.	55,324	\$ 214,915
HK Electric Investments & HK Electric Investments, Ltd.	88,500	87,101
HKT Trust & HKT, Ltd.	145,233	188,357
Hong Kong & China Gas Company, Ltd.	381,278	570,433
Hong Kong Exchanges & Clearing, Ltd.	41,314	2,266,144
Hongkong Land Holdings, Ltd.	44,100	182,140
Hutchison China MediTech, Ltd., ADR (A)	1,900	60,838
Jardine Matheson Holdings, Ltd.	7,400	413,942
Jardine Strategic Holdings, Ltd.	8,100	201,341
Kingboard Holdings, Ltd.	22,500	94,932
Kingboard Laminates Holdings, Ltd.	21,500	35,129
Kunlun Energy Company, Ltd.	118,000	102,269
Lee & Man Paper Manufacturing, Ltd.	56,000	45,951
Link REIT (B)	76,537	695,092
Melco Resorts & Entertainment, Ltd., ADR	9,485	175,947
MTR Corp., Ltd.	62,605	350,127
New World Development Company, Ltd.	57,618	268,063
Nine Dragons Paper Holdings, Ltd.	81,000	115,145
PCCW, Ltd.	164,763	99,220
Power Assets Holdings, Ltd.	56,082	303,720
Shenzhen International Holdings, Ltd.	35,084	56,685
Shenzhen Investment, Ltd.	124,008	42,553
Shimao Group Holdings, Ltd.	51,000	162,451
Sino Biopharmaceutical, Ltd.	373,500	360,200
Sino Land Company, Ltd.	128,364	167,042
SJM Holdings, Ltd.	83,000	93,058
SSY Group, Ltd. (B)	54,000	30,641
Sun Art Retail Group, Ltd.	86,000	87,495
Sun Hung Kai Properties, Ltd.	45,630	583,561
Swire Pacific, Ltd., Class A (B)	18,163	100,049
Swire Properties, Ltd.	43,628	126,845
Techtronic Industries Company, Ltd.	47,500	678,938
The Bank of East Asia, Ltd.	59,561	127,417
The Wharf Holdings, Ltd.	51,876	139,343
WH Group, Ltd. (C)	387,803	325,193
Wharf Real Estate Investment Company, Ltd.	56,876	295,591
Xinyi Glass Holdings, Ltd.	62,000	173,417
Yuexiu Property Company, Ltd.	244,000	49,095
		25,126,835
Hungary - 0.1%		
MOL Hungarian Oil & Gas PLC (A)	12,392	91,361
OTP Bank NYRT (A)	7,225	325,592
Richter Gedeon NYRT	4,794	120,308
		537,261
India - 2.6%		
Adani Green Energy, Ltd. (A)	13,172	189,615
Adani Ports & Special Economic Zone, Ltd.	28,084	185,138
Ambuja Cements, Ltd.	22,913	78,062
Apollo Hospitals Enterprise, Ltd.	3,055	100,521
Asian Paints, Ltd.	12,960	490,202
Aurobindo Pharma, Ltd.	9,153	115,098
Avenue Supermarts, Ltd. (A)(C)	4,471	169,168
Axis Bank, Ltd. (A)	80,176	680,857
Bajaj Auto, Ltd.	2,923	137,597
Bajaj Finance, Ltd.	9,135	662,285
Bajaj Finserv, Ltd.	1,261	153,598
Bharat Forge, Ltd.	9,316	67,036
Bharat Petroleum Corp., Ltd.	27,177	142,113
Bharti Airtel, Ltd.	43,607	304,415
Britannia Industries, Ltd.	2,012	98,555
Cipla, Ltd.	12,134	136,110

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
India (continued)		
Coal India, Ltd.	24,417	\$ 45,355
Dabur India, Ltd.	17,709	129,354
Divi's Laboratories, Ltd.	2,856	150,051
Dr. Reddy's Laboratories, Ltd., ADR	3,359	239,463
Eicher Motors, Ltd.	4,250	147,148
GAIL India, Ltd., GDR	9,954	99,433
Godrej Consumer Products, Ltd.	11,997	121,962
Grasim Industries, Ltd.	10,574	133,745
Havells India, Ltd.	11,177	140,353
HCL Technologies, Ltd.	37,954	492,732
Hero MotoCorp, Ltd.	4,200	178,773
Hindalco Industries, Ltd.	41,886	137,601
Hindustan Petroleum Corp., Ltd.	20,412	61,418
Hindustan Unilever, Ltd.	25,024	821,034
Housing Development Finance Corp., Ltd.	57,256	1,999,198
ICICI Bank, Ltd. (A)	82,343	604,312
ICICI Bank, Ltd., ADR (A)	47,107	700,010
ICICI Lombard General Insurance Company, Ltd. (A)(C)	4,861	101,518
Indian Oil Corp., Ltd.	38,494	47,997
Indus Towers, Ltd.	15,904	50,191
Info Edge India, Ltd.	2,389	156,859
Infosys, Ltd., ADR	133,708	2,266,351
ITC, Ltd.	113,026	323,842
JSW Steel, Ltd.	33,031	175,014
Jubilant Foodworks, Ltd.	2,527	96,850
Kotak Mahindra Bank, Ltd. (A)	18,671	510,240
Larsen & Toubro, Ltd.	23,240	410,677
Lupin, Ltd.	7,740	103,684
Mahindra & Mahindra, Ltd., GDR	23,120	225,052
Marico, Ltd.	14,917	82,513
Maruti Suzuki India, Ltd.	4,592	482,063
Motherson Sumi Systems, Ltd.	37,306	84,546
Nestle India, Ltd.	1,140	287,103
NTPC, Ltd.	146,266	199,358
Oil & Natural Gas Corp., Ltd.	90,136	115,057
Page Industries, Ltd.	194	73,340
Petronet LNG, Ltd.	21,320	72,296
Pidilite Industries, Ltd.	4,359	105,357
Piramal Enterprises, Ltd.	3,012	58,696
Power Grid Corp. of India, Ltd.	55,842	144,142
REC, Ltd.	22,831	42,014
Reliance Capital, Ltd., GDR (A)(C)	4,327	710
Reliance Industries, Ltd.	7,646	207,673
Reliance Industries, Ltd., GDR (C)	44,280	2,414,164
Shree Cement, Ltd.	276	90,718
Shriram Transport Finance Company, Ltd.	5,520	79,185
State Bank of India, GDR (A)	5,224	196,183
Sun Pharmaceutical Industries, Ltd.	29,344	237,478
Tata Consultancy Services, Ltd.	31,310	1,230,336
Tata Consumer Products, Ltd.	15,079	122,153
Tata Motors, Ltd., ADR (A)	8,581	108,121
Tata Steel, Ltd., GDR	11,000	94,969
Tech Mahindra, Ltd.	18,378	245,833
Titan Company, Ltd.	10,263	219,504
Torrent Pharmaceuticals, Ltd.	1,767	67,738
UltraTech Cement, Ltd.	2,054	148,663
UltraTech Cement, Ltd., GDR	1,026	74,255
United Spirits, Ltd. (A)	10,125	80,172
UPL, Ltd.	15,099	96,614
Vedanta, Ltd., ADR (B)	13,934	122,341
Wipro, Ltd., ADR	30,298	171,184
Zee Entertainment Enterprises, Ltd.	20,071	61,661
		22,196,727

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Indonesia - 0.4%		
Adaro Energy Tbk PT	315,000	\$ 32,102
Astra International Tbk PT	679,000	291,849
Bank Central Asia Tbk PT	360,900	869,960
Bank Mandiri Persero Tbk PT	715,674	322,947
Bank Negara Indonesia Persero Tbk PT	276,500	121,753
Bank Rakyat Indonesia Persero Tbk PT	1,930,000	573,796
Charoen Pokphand Indonesia Tbk PT	276,000	128,358
Gudang Garam Tbk PT (A)	26,000	75,893
Indah Kiat Pulp & Paper Corp. Tbk PT	97,300	72,299
Indocement Tunggal Prakarsa Tbk PT	53,500	55,161
Indofood CBP Sukses Makmur Tbk PT	114,400	77,995
Indofood Sukses Makmur Tbk PT	147,500	71,942
Kalbe Farma Tbk PT	855,000	90,080
Perusahaan Gas Negara Tbk PT	480,500	56,678
Semen Indonesia Persero Tbk PT	111,000	98,253
Telekomunikasi Indonesia Persero Tbk PT, ADR	358	8,420
Telkom Indonesia Persero Tbk PT	1,600,100	377,248
Unilever Indonesia Tbk PT	332,500	174,032
United Tractors Tbk PT	55,279	104,770
		3,603,536
Ireland - 0.7%		
CRH PLC	27,337	1,162,542
DCC PLC	3,819	270,242
Experian PLC	31,530	1,197,784
Flutter Entertainment PLC (A)	5,220	1,061,403
James Hardie Industries PLC, CHESS Depository Interest (A)	15,679	464,679
Kerry Group PLC, Class A (London Stock Exchange)	5,738	827,907
Kingspan Group PLC (A)	5,492	384,857
Smurfit Kappa Group PLC	8,017	375,890
		5,745,304
Isle of Man - 0.0%		
Entain PLC (A)	22,751	352,887
Israel - 0.4%		
Azrieli Group, Ltd.	1,424	90,505
Bank Hapoalim BM (A)	35,772	245,691
Bank Leumi Le-Israel BM	54,437	321,329
Check Point Software Technologies, Ltd. (A)	4,016	533,767
CyberArk Software, Ltd. (A)	1,300	210,067
Elbit Systems, Ltd.	787	103,745
ICL Group, Ltd.	16,931	86,428
Israel Discount Bank, Ltd., Class A	41,515	160,292
Mizrachi Tefahot Bank, Ltd.	5,543	128,584
Nice, Ltd. (A)	1,954	552,821
Teva Pharmaceutical Industries, Ltd. (A)(B)	33,126	320,034
Wix.com, Ltd. (A)	1,600	399,936
		3,153,199
Italy - 1.3%		
Amplifon SpA (A)	4,199	174,535
Assicurazioni Generali SpA	37,206	651,413
Atlantia SpA (A)(B)	19,839	358,250
Davide Campari-Milano NV	19,587	224,511
DiaSorin SpA	876	182,900
Enel SpA	277,869	2,827,227
Eni SpA (B)	89,209	931,311
Ferrari NV	4,317	1,001,286
FinecoBank Banca Fineco SpA (A)(B)	20,557	339,024
Infrastrutture Wireless Italiane SpA (B)(C)	8,355	101,283
Intesa Sanpaolo SpA (A)	577,542	1,365,139

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
Mediobanca Banca di Credito Finanziario SpA (A)	22,013	\$ 203,769
Moncler SpA (A)	6,366	391,383
Nexi SpA (A)(C)	10,927	217,436
Poste Italiane SpA (C)	21,903	224,039
Prysmian SpA	8,366	297,766
Recordati Industria Chimica e Farmaceutica SpA	4,564	253,797
Snam SpA	68,005	384,062
Telecom Italia SpA	387,741	179,969
Telecom Italia SpA, Savings Shares	233,394	121,613
Terna Rete Elettrica Nazionale SpA	47,449	364,604
UniCredit SpA (A)	71,677	671,566
		11,466,883
Japan - 15.9%		
ABC-Mart, Inc.	1,400	77,843
Acom Company, Ltd.	18,200	77,710
Advantest Corp.	6,700	501,842
Aeon Company, Ltd.	22,700	744,704
Aeon Mall Company, Ltd.	3,300	54,502
AGC, Inc.	6,500	227,299
Air Water, Inc.	5,000	88,966
Aisin Seiki Company, Ltd.	6,200	185,933
Ajinomoto Company, Inc.	16,300	369,354
Alfresa Holdings Corp.	6,700	122,806
Amada Company, Ltd.	12,000	132,050
ANA Holdings, Inc. (A)	4,100	90,592
Asahi Group Holdings, Ltd.	13,400	551,842
Asahi Intecc Company, Ltd.	7,000	255,677
Asahi Kasei Corp.	43,300	443,831
Astellas Pharma, Inc.	64,600	1,000,251
Azbil Corp.	4,200	229,749
Bandai Namco Holdings, Inc.	6,899	597,459
Bridgestone Corp.	18,700	613,283
Brother Industries, Ltd.	8,700	179,598
Calbee, Inc.	2,900	87,419
Canon, Inc. (B)	33,800	654,792
Capcom Company, Ltd.	3,000	194,558
Casio Computer Company, Ltd.	6,700	122,613
Central Japan Railway Company	5,100	721,157
Chubu Electric Power Company, Inc.	22,000	265,496
Chugai Pharmaceutical Company, Ltd.	23,300	1,243,175
Coca-Cola Bottlers Japan Holdings, Inc.	4,700	73,415
Concordia Financial Group, Ltd.	39,100	137,928
Cosmos Pharmaceutical Corp.	300	48,443
CyberAgent, Inc.	3,600	248,345
Dai Nippon Printing Company, Ltd.	8,400	151,096
Daifuku Company, Ltd.	3,500	433,110
Dai-ichi Life Holdings, Inc.	37,400	563,446
Daiichi Sankyo Company, Ltd.	57,500	1,970,536
Daikin Industries, Ltd.	8,400	1,868,724
Daito Trust Construction Company, Ltd.	2,300	214,946
Daiwa House Industry Company, Ltd.	19,700	585,734
Daiwa House REIT Investment Corp.	78	192,962
Daiwa Securities Group, Inc.	54,400	247,783
Denso Corp.	15,000	892,812
Dentsu Group, Inc.	7,500	223,214
Disco Corp.	1,000	337,033
East Japan Railway Company	10,400	693,840
Eisai Company, Ltd.	8,800	629,316
ENEOS Holdings, Inc.	109,211	392,253
FANUC Corp.	6,500	1,604,519
Fast Retailing Company, Ltd.	2,000	1,793,360
Fuji Electric Company, Ltd.	4,600	166,042
FUJIFILM Holdings Corp.	12,500	659,400

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Fujitsu, Ltd.	6,800	\$ 982,841
Fukuoka Financial Group, Inc.	5,800	103,385
GLP J-REIT	127	200,408
GMO Payment Gateway, Inc.	1,500	201,575
Hakuhodo DY Holdings, Inc.	9,300	127,790
Hamamatsu Photonics KK	4,800	274,626
Hankyu Hanshin Holdings, Inc.	8,400	279,402
Harmonic Drive Systems, Inc.	1,300	116,333
Hikari Tsushin, Inc.	800	187,707
Hino Motors, Ltd.	10,000	85,368
Hirose Electric Company, Ltd.	1,223	185,616
Hisamitsu Pharmaceutical Company, Inc.	2,000	118,882
Hitachi Construction Machinery Company, Ltd.	4,100	116,577
Hitachi Metals, Ltd.	7,400	112,509
Hitachi, Ltd.	32,700	1,290,647
Honda Motor Company, Ltd.	55,100	1,554,718
Hoshizaki Corp.	1,900	174,466
Hoya Corp.	12,700	1,758,884
Hulic Company, Ltd. (B)	10,700	117,702
Ibiden Company, Ltd.	3,600	168,290
Idemitsu Kosan Company, Ltd.	7,206	158,654
Iida Group Holdings Company, Ltd.	5,000	101,091
Inpex Corp.	36,700	197,898
Isuzu Motors, Ltd.	19,000	180,873
Ito En, Ltd.	1,900	120,312
ITOCHU Corp.	46,500	1,337,345
Itochu Techno-Solutions Corp.	3,400	121,407
Japan Airlines Company, Ltd. (A)	4,000	77,137
Japan Airport Terminal Company, Ltd.	1,500	91,030
Japan Exchange Group, Inc.	18,100	462,488
Japan Post Bank Company, Ltd.	14,000	115,075
Japan Post Holdings Company, Ltd.	54,300	422,950
Japan Post Insurance Company, Ltd.	8,300	170,184
Japan Real Estate Investment Corp.	47	271,582
Japan Retail Fund Investment Corp.	93	169,255
Japan Tobacco, Inc.	40,500	825,680
JFE Holdings, Inc. (A)	18,300	175,704
JSR Corp.	6,500	181,237
Kajima Corp.	16,500	221,348
Kakaku.com, Inc.	5,000	136,867
Kansai Paint Company, Ltd.	7,000	215,778
Kao Corp.	16,300	1,259,276
KDDI Corp.	54,500	1,615,939
Keihan Holdings Company, Ltd.	3,400	163,007
Keikeyu Corp.	8,900	152,685
Keio Corp.	3,700	287,065
Keisei Electric Railway Company, Ltd.	4,800	162,480
Keyence Corp.	6,196	3,485,356
Kikkoman Corp.	5,200	361,904
Kintetsu Group Holdings Company, Ltd.	6,200	271,717
Kirin Holdings Company, Ltd. (B)	27,800	656,441
Kobayashi Pharmaceutical Company, Ltd.	1,800	220,007
Kobe Bussan Company, Ltd.	4,200	129,045
Koei Tecmo Holdings Company, Ltd.	1,500	91,573
Koito Manufacturing Company, Ltd.	4,000	272,224
Komatsu, Ltd.	30,600	844,508
Konami Holdings Corp.	3,700	208,185
Kose Corp.	1,200	205,056
Kubota Corp.	35,000	764,667
Kuraray Company, Ltd.	11,000	117,119
Kurita Water Industries, Ltd.	3,500	133,786
Kyocera Corp.	10,800	662,887
Kyowa Kirin Company, Ltd.	9,473	258,689
Kyushu Electric Power Company, Inc.	13,100	113,012

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Kyushu Railway Company	5,700	\$ 122,966
Lasertec Corp.	2,600	305,170
Lawson, Inc.	1,900	88,418
Lion Corp.	8,000	193,798
Lixil Corp.	9,000	195,180
M3, Inc.	14,900	1,407,563
Makita Corp.	7,800	391,226
Marubeni Corp.	57,400	382,422
Marui Group Company, Ltd.	7,600	133,836
Mazda Motor Corp.	20,300	135,886
McDonald's Holdings Company Japan, Ltd. (B)	2,600	125,999
Medipal Holdings Corp.	6,090	114,524
MEIJI Holdings Company, Ltd.	4,100	288,557
Mercari, Inc. (A)	3,000	132,986
MINEBEA MITSUMI, Inc.	12,500	248,685
MISUMI Group, Inc.	9,800	321,708
Mitsubishi Chemical Holdings Corp.	46,900	284,136
Mitsubishi Corp.	46,400	1,143,845
Mitsubishi Electric Corp.	63,000	952,160
Mitsubishi Estate Company, Ltd.	41,300	663,808
Mitsubishi Gas Chemical Company, Inc.	5,814	133,695
Mitsubishi Heavy Industries, Ltd.	11,700	358,325
Mitsubishi UFJ Financial Group, Inc.	412,200	1,825,065
Mitsubishi UFJ Lease & Finance Company, Ltd.	17,600	84,513
Mitsui & Company, Ltd.	56,600	1,037,721
Mitsui Chemicals, Inc.	6,800	199,752
Mitsui Fudosan Company, Ltd.	31,400	657,502
Miura Company, Ltd.	3,100	173,067
Mizuho Financial Group, Inc.	83,210	1,056,117
MonotaRO Company, Ltd.	4,500	228,550
MS&AD Insurance Group Holdings, Inc.	15,500	471,588
Murata Manufacturing Company, Ltd.	19,400	1,756,273
Nabtesco Corp.	3,900	171,182
Nagoya Railroad Company, Ltd.	6,700	176,785
NEC Corp.	8,800	472,645
Nexon Company, Ltd.	16,800	518,362
NGK Insulators, Ltd.	9,000	139,066
NGK Spark Plug Company, Ltd.	6,300	107,585
NH Foods, Ltd.	3,119	137,375
Nidec Corp.	15,100	1,910,270
Nihon M&A Center, Inc.	5,200	347,741
Nintendo Company, Ltd.	3,800	2,439,377
Nippon Building Fund, Inc.	48	278,386
Nippon Express Company, Ltd.	2,500	168,167
Nippon Paint Holdings Company, Ltd.	4,900	538,424
Nippon Prologis REIT, Inc.	66	206,188
Nippon Sanso Holdings Corp.	4,600	85,567
Nippon Shinyaku Company, Ltd.	1,700	111,588
Nippon Steel Corp. (A)	27,900	359,831
Nippon Telegraph & Telephone Corp.	44,400	1,139,260
Nippon Yusen KK	5,500	128,319
Nissan Chemical Corp.	4,600	288,441
Nissan Motor Company, Ltd. (A)	85,000	460,735
Nisshin Seifun Group, Inc.	7,400	117,880
Nissin Foods Holdings Company, Ltd.	2,200	188,574
Nitori Holdings Company, Ltd.	2,800	585,484
Nitto Denko Corp.	5,400	483,732
Nomura Holdings, Inc.	109,800	580,520
Nomura Real Estate Holdings, Inc.	4,500	99,781
Nomura Real Estate Master Fund, Inc.	151	216,088
Nomura Research Institute, Ltd.	11,146	398,732
NSK, Ltd.	13,215	115,005
NTT Data Corp.	22,500	307,987

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Obayashi Corp.	22,500	\$ 194,278
Obic Company, Ltd.	2,200	442,151
Odakyu Electric Railway Company, Ltd.	10,900	342,349
Oji Holdings Corp.	30,000	170,793
Olympus Corp.	40,700	891,082
Omron Corp.	6,600	589,191
Ono Pharmaceutical Company, Ltd.	12,500	376,685
Oracle Corp. Japan	1,500	195,532
Oriental Land Company, Ltd.	6,900	1,140,096
ORIX Corp.	45,600	701,516
Orix JREIT, Inc.	97	160,470
Osaka Gas Company, Ltd.	13,800	282,867
Otsuka Corp.	3,800	200,439
Otsuka Holdings Company, Ltd.	13,600	582,711
Pan Pacific International Holdings Corp.	15,000	346,556
Panasonic Corp.	77,100	898,773
PeptiDream, Inc. (A)	3,300	167,861
Persol Holdings Company, Ltd.	6,200	112,014
Pigeon Corp. (B)	4,100	169,218
Pola Orbis Holdings, Inc. (B)	3,200	64,981
Rakuten, Inc.	29,700	285,798
Recruit Holdings Company, Ltd.	43,000	1,806,127
Renesas Electronics Corp. (A)	26,200	274,235
Resona Holdings, Inc.	78,000	273,060
Ricoh Company, Ltd.	24,000	157,821
Rinnai Corp.	1,200	139,491
Rohm Company, Ltd.	3,000	290,822
Ryohin Keikaku Company, Ltd.	9,000	184,181
Santen Pharmaceutical Company, Ltd.	12,500	203,016
SBI Holdings, Inc.	8,213	195,380
SCSK Corp.	1,800	102,934
Secom Company, Ltd.	7,300	673,438
Sega Sammy Holdings, Inc.	6,900	108,923
Seibu Holdings, Inc.	7,100	69,647
Seiko Epson Corp.	9,600	142,657
Sekisui Chemical Company, Ltd.	13,400	254,082
Sekisui House, Ltd.	21,400	435,957
Seven & i Holdings Company, Ltd.	26,000	920,675
SG Holdings Company, Ltd.	10,200	278,116
Sharp Corp.	7,400	112,439
Shimadzu Corp.	8,000	310,960
Shimamura Company, Ltd.	700	73,552
Shimano, Inc.	2,600	608,605
Shimizu Corp.	21,600	157,233
Shin-Etsu Chemical Company, Ltd.	11,900	2,088,639
Shinsei Bank, Ltd.	6,900	85,242
Shionogi & Company, Ltd.	9,200	502,978
Shiseido Company, Ltd. (B)	13,500	934,527
SMC Corp.	1,900	1,160,401
Softbank Corp.	97,600	1,225,075
SoftBank Group Corp.	52,900	4,106,896
Sohgo Security Services Company, Ltd.	2,900	150,438
Sompo Holdings, Inc.	11,600	470,297
Sony Corp.	42,500	4,282,644
Square Enix Holdings Company, Ltd.	3,400	206,144
Stanley Electric Company, Ltd.	5,300	170,975
Subaru Corp.	21,200	424,189
SUMCO Corp.	8,200	180,058
Sumitomo Chemical Company, Ltd.	56,000	225,724
Sumitomo Corp.	41,300	547,347
Sumitomo Dainippon Pharma Company, Ltd.	5,300	78,331
Sumitomo Electric Industries, Ltd.	26,200	347,171
Sumitomo Metal Mining Company, Ltd.	8,500	378,089
Sumitomo Mitsui Financial Group, Inc.	44,100	1,367,019

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Sumitomo Mitsui Trust Holdings, Inc.	11,000	\$ 339,402
Sumitomo Realty & Development Company, Ltd.	10,700	330,339
Sundrug Company, Ltd.	2,400	95,921
Suntory Beverage & Food, Ltd. (B)	5,000	177,097
Suzuken Company, Ltd.	2,640	95,499
Suzuki Motor Corp.	12,800	593,351
System Corp.	5,800	697,894
T&D Holdings, Inc.	19,900	235,394
Taiheiyo Cement Corp.	4,200	105,206
Taisei Corp.	6,600	227,690
Taisho Pharmaceutical Holdings Company, Ltd.	1,200	80,918
Takeda Pharmaceutical Company, Ltd.	53,876	1,949,739
TDK Corp.	4,500	678,976
Teijin, Ltd.	6,400	120,436
Terumo Corp.	22,300	933,172
The Bank of Kyoto, Ltd.	1,900	99,063
The Chiba Bank, Ltd.	21,600	119,195
The Chugoku Electric Power Company, Inc.	10,000	117,355
The Kansai Electric Power Company, Inc.	24,300	229,831
The Shizuoka Bank, Ltd.	17,000	124,785
THK Company, Ltd.	4,200	135,832
TIS, Inc.	7,800	159,896
Tobu Railway Company, Ltd.	6,800	202,750
Toho Company, Ltd.	4,067	171,541
Toho Gas Company, Ltd.	2,800	185,501
Tohoku Electric Power Company, Inc.	16,600	137,003
Tokio Marine Holdings, Inc.	21,900	1,128,322
Tokyo Century Corp.	1,500	119,038
Tokyo Electric Power Company Holdings, Inc. (A)	50,400	133,126
Tokyo Electron, Ltd.	5,000	1,867,814
Tokyo Gas Company, Ltd.	13,900	321,718
Tokyu Corp.	17,900	222,406
Tokyu Fudosan Holdings Corp.	19,400	103,627
Toppa Printing Company, Ltd.	10,300	145,452
Toray Industries, Inc.	50,800	301,315
Toshiba Corp.	13,400	375,313
Tosoh Corp.	9,300	145,305
TOTO, Ltd.	4,800	288,905
Toyo Suisan Kaisha, Ltd.	3,100	150,868
Toyoda Gosei Company, Ltd.	2,466	71,549
Toyota Industries Corp.	5,200	413,146
Toyota Motor Corp.	71,480	5,516,120
Toyota Tsusho Corp.	7,900	319,686
Trend Micro, Inc. (B)	4,600	264,836
Tsuruha Holdings, Inc.	1,300	184,865
Unicharm Corp.	14,000	663,964
United Urban Investment Corp.	114	141,134
USS Company, Ltd.	7,770	157,117
Welcia Holdings Company, Ltd.	3,400	128,256
West Japan Railway Company	6,000	314,161
Yakult Honsha Company, Ltd.	4,243	213,983
Yamada Holdings Company, Ltd.	22,400	119,012
Yamaha Corp.	4,700	276,944
Yamaha Motor Company, Ltd.	10,100	206,151
Yamato Holdings Company, Ltd.	11,000	280,860
Yamazaki Baking Company, Ltd. (B)	4,000	66,806
Yaskawa Electric Corp.	8,300	413,800
Yokogawa Electric Corp.	7,886	157,288
Z Holdings Corp.	94,400	571,237
ZOZO, Inc.	2,800	68,976
		138,422,907

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Jordan - 0.0%		
Hikma Pharmaceuticals PLC	5,062	\$ 173,984
Luxembourg - 0.2%		
ArcelorMittal SA (A)	24,275	555,165
Aroundtown SA	37,519	279,738
Eurofins Scientific SE (A)	4,300	362,686
Reinet Investments SCA	5,229	98,051
SES SA	14,498	136,066
Tenaris SA (B)	16,418	133,046
		1,564,752
Macau - 0.1%		
Sands China, Ltd.	89,600	391,319
Wynn Macau, Ltd. (A)	61,415	103,328
		494,647
Malaysia - 0.5%		
AMMB Holdings BHD	59,087	53,698
Axiata Group BHD	101,690	94,635
CIMB Group Holdings BHD	188,437	201,752
Dialog Group BHD	166,000	142,538
DiGi.Com BHD	110,800	114,113
Gamuda BHD	73,538	71,279
Genting BHD	72,900	80,972
Genting Malaysia BHD	105,700	70,866
Genting Plantations BHD	15,000	36,767
HAP Seng Consolidated BHD	30,200	64,629
Hartalega Holdings BHD	60,200	182,210
Hong Leong Bank BHD	23,269	105,398
Hong Leong Financial Group BHD	6,104	27,465
IHH Healthcare BHD	108,100	148,008
IOI Corp. BHD	114,466	124,374
Kuala Lumpur Kepong BHD	17,415	102,581
Malayan Banking BHD	122,385	257,644
Malaysia Airports Holdings BHD	34,427	50,763
Maxis BHD	67,200	84,434
MISC BHD	26,280	44,955
Nestle Malaysia BHD	2,800	96,810
Petronas Chemicals Group BHD	99,800	184,837
Petronas Dagangan BHD	12,200	64,996
Petronas Gas BHD	21,200	90,614
PPB Group BHD	21,240	97,844
Press Metal Aluminium Holdings BHD	60,400	126,188
Public Bank BHD	97,378	499,315
RHB Bank BHD	29,167	39,580
Sime Darby BHD	108,224	62,292
Sime Darby Plantation BHD	108,224	134,521
Supermax Corp. BHD (A)	53,154	79,857
Telekom Malaysia BHD	42,705	57,509
Tenaga Nasional BHD	101,250	262,649
Top Glove Corp. BHD	164,400	251,189
		4,107,282
Mexico - 0.5%		
Alfa SAB de CV, Class A	108,680	78,208
America Movil SAB de CV, Series L (B)	1,171,132	852,770
Arca Continental SAB de CV	16,000	76,512
Cemex SAB de CV, Series CPO (A)	521,849	269,847
Coca-Cola Femsa SAB de CV	15,212	70,061
Controladora Nampak SAB de CV (A)	56,480	7,493
Fibra Uno Administracion SA de CV (B)	90,200	102,033
Fomento Economico Mexicano SAB de CV (B)	66,720	506,045
Fresnillo PLC	6,213	95,964
Gruma SAB de CV, Class B	7,685	91,593
Grupo Aeroportuario del Pacifico SAB de CV, B Shares (A)	9,700	108,214

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mexico (continued)		
Grupo Aeroportuario del Sureste SAB de CV, B Shares (A)(B)	5,780	\$ 95,791
Grupo Bimbo SAB de CV, Series A (B)	58,984	127,901
Grupo Carso SAB de CV, Series A1 (A)(B)	9,477	31,408
Grupo Financiero Banorte SAB de CV, Series O (A)	92,962	512,238
Grupo Financiero Inbursa SAB de CV, Series O (A)	86,738	87,263
Grupo Mexico SAB de CV, Series B	115,366	489,245
Grupo Televisa SAB, Series CPO (A)	87,126	142,820
Industrias Penoles SAB de CV (A)	4,883	83,013
Infraestructura Energetica Nova SAB de CV (A)	18,000	70,600
Kimberly-Clark de Mexico SAB de CV, Class A	43,778	74,732
Orbia Advance Corp. SAB de CV (B)	37,631	88,482
Promotora y Operadora de Infraestructura SAB de CV	5,800	51,426
Wal-Mart de Mexico SAB de CV	186,488	523,866
		4,637,525
Netherlands - 3.0%		
ABN AMRO Bank NV (C)	15,368	150,589
Adyen NV (A)(C)	629	1,461,499
Aegon NV	75,157	299,790
Akzo Nobel NV	6,507	698,422
Altice Europe NV (A)(B)	24,935	161,496
Argenx SE (A)	1,553	457,637
ASML Holding NV	14,355	6,950,322
EXOR NV	3,992	324,257
Heineken Holding NV	4,217	395,689
Heineken NV	9,090	1,011,798
ING Groep NV (A)	127,050	1,181,284
JDE Peet's NV (A)	2,528	114,670
Just Eat Takeaway.com NV (A)(B)(C)	4,000	451,009
Koninklijke Ahold Delhaize NV	37,121	1,047,227
Koninklijke DSM NV	6,138	1,055,553
Koninklijke KPN NV	120,476	366,160
Koninklijke Philips NV (A)	29,320	1,579,387
Koninklijke Vopak NV	2,830	148,459
NN Group NV	9,891	427,588
Prosus NV (A)	15,743	1,699,898
QIAGEN NV (A)(B)	8,350	432,959
Randstad NV (A)	4,395	284,499
Royal Dutch Shell PLC, A Shares	138,310	2,425,463
Royal Dutch Shell PLC, B Shares	128,654	2,180,524
Wolters Kluwer NV	9,207	775,920
		26,082,099
New Zealand - 0.2%		
a2 Milk Company, Ltd. (A)	26,028	226,379
Auckland International Airport, Ltd. (A)	36,599	200,146
Fisher & Paykel Healthcare Corp., Ltd.	19,921	473,100
Mercury NZ, Ltd.	22,971	108,106
Meridian Energy, Ltd.	43,320	232,006
Ryman Healthcare, Ltd.	12,940	141,966
Spark New Zealand, Ltd.	65,374	221,436
Xero, Ltd. (A)	4,095	464,780
		2,067,919
Norway - 0.4%		
Adevinta ASA (A)	8,335	140,112
DNB ASA	35,015	686,140
Equinor ASA	35,722	602,862
Gjensidige Forsikring ASA	6,934	154,762
Mowi ASA	14,928	333,300
Norsk Hydro ASA	48,185	224,257

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Norway (continued)		
Orkla ASA	29,206	\$ 296,512
Schibsted ASA, B Shares (A)	3,512	130,367
Schibsted ASA, Class A (A)	2,550	108,681
Telenor ASA	26,898	456,587
Yara International ASA	6,981	289,611
		3,423,191
Peru - 0.1%		
Cia de Minas Buenaventura SAA, ADR (A)	8,064	98,300
Credicorp, Ltd.	2,434	399,225
Southern Copper Corp.	2,874	187,155
		684,680
Philippines - 0.2%		
Aboitiz Equity Ventures, Inc.	85,070	83,633
Aboitiz Power Corp.	72,200	39,975
Ayala Corp.	8,920	153,479
Ayala Land, Inc.	253,800	216,264
Bank of the Philippine Islands	34,118	57,737
BDO Unibank, Inc.	77,140	171,749
Globe Telecom, Inc.	970	41,047
GT Capital Holdings, Inc.	3,464	42,212
International Container Terminal Services, Inc.	33,760	86,831
JG Summit Holdings, Inc.	89,355	133,417
Jollibee Foods Corp.	18,900	76,893
Manila Electric Company	8,090	49,244
Megaworld Corp.	564,000	47,902
Metro Pacific Investments Corp.	509,100	45,446
Metropolitan Bank & Trust Company	65,642	67,063
PLDT, Inc.	3,730	104,150
SM Investments Corp.	8,302	181,445
SM Prime Holdings, Inc.	311,044	249,406
Universal Robina Corp.	30,280	96,104
		1,943,997
Poland - 0.2%		
Allegro.eu SA (A)(C)	8,627	195,601
Bank Polska Kasa Opieki SA (A)	5,522	90,701
CD Projekt SA (A)(B)	2,349	173,216
Cyfrowy Polsat SA	6,360	51,855
Dino Polska SA (A)(C)	1,719	133,315
KGHM Polska Miedz SA (A)	5,681	279,849
LPP SA (A)	42	93,501
Orange Polska SA (A)	26,179	46,407
PGE Polska Grupa Energetyczna SA (A)	26,654	46,581
Polski Koncern Naftowy ORLEN SA	11,432	176,983
Polskie Gornictwo Naftowe i Gazownictwo SA	62,946	93,991
Powszechna Kasa Oszczednosci Bank Polski SA (A)	32,873	253,760
Powszechny Zaklad Ubezpieczen SA (A)	23,000	199,819
Santander Bank Polska SA (A)	1,219	60,632
		1,896,211
Portugal - 0.1%		
EDP - Energias de Portugal SA	91,820	576,305
Galp Energia SGPS SA	18,673	197,865
Jeronimo Martins SGPS SA	7,332	123,248
		897,418
Romania - 0.0%		
NEPI Rockcastle PLC	15,018	94,981
Russia - 0.8%		
Gazprom PJSC, ADR	251,662	1,409,307
Gazprom PJSC, ADR	3,680	20,546
LUKOIL PJSC, ADR	23,756	1,623,960

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Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Russia (continued)		
MMC Norilsk Nickel PJSC, ADR	39,185	\$ 1,233,544
Mobile TeleSystems PJSC, ADR	20,264	181,363
Novatek PJSC, GDR	3,057	497,825
Rosneft Oil Company PJSC, GDR	9,131	51,486
Rosneft Oil Company PJSC, GDR	30,000	169,159
Sberbank of Russia PJSC, ADR	40,000	580,000
Sberbank of Russia PJSC, ADR (London Stock Exchange)	34,900	520,493
Severstal PAO, GDR	4,250	74,697
Surgutneftegas PJSC, ADR	22,274	122,676
Surgutneftegas PJSC, ADR (London Stock Exchange)	23,070	106,572
Tatneft PJSC, ADR	7,986	323,433
VTB Bank PJSC, GDR	50,760	48,431
		6,963,492
Saudi Arabia - 0.7%		
Advanced Petrochemical Company	3,771	67,383
Al Rajhi Bank	43,550	854,815
Alinma Bank (A)	34,699	149,620
Almarai Company JSC	8,852	129,706
Arab National Bank	21,244	113,899
Bank AlBilad	13,065	98,766
Bank Al-Jazira	14,284	51,997
Banque Saudi Fransi	19,205	161,856
Bupa Arabia for Cooperative Insurance Company (A)	981	31,887
Dar Al Arkan Real Estate Development Company (A)	18,814	43,331
Emaar Economic City (A)	13,598	33,373
Etihad Etisalat Company (A)	13,413	102,415
Jarir Marketing Company	2,090	96,627
National Commercial Bank	42,661	492,902
National Industrialization Company (A)	11,652	42,519
Rabigh Refining & Petrochemical Company (A)	7,786	28,699
Riyad Bank	42,488	228,917
Sahara International Petrochemical Company	12,775	58,989
Samba Financial Group	34,840	283,813
Saudi Airlines Catering Company	1,428	29,352
Saudi Arabian Fertilizer Company	5,901	126,810
Saudi Arabian Mining Company (A)	15,250	164,778
Saudi Arabian Oil Company (C)	76,487	713,802
Saudi Basic Industries Corp.	26,663	721,018
Saudi Cement Company	2,665	43,633
Saudi Electricity Company	29,505	167,634
Saudi Industrial Investment Group	7,839	57,293
Saudi Kayan Petrochemical Company (A)	26,130	99,700
Saudi Telecom Company	20,888	590,508
The Company for Cooperative Insurance (A)	2,178	46,265
The Saudi British Bank	25,464	167,678
The Savola Group	9,302	105,435
Yanbu National Petrochemical Company	7,999	136,229
		6,241,649
Singapore - 0.7%		
Ascendas Real Estate Investment Trust	117,802	265,933
BOC Aviation, Ltd. (C)	7,400	64,051
CapitaLand Integrated Commercial Trust	150,007	245,326
CapitaLand, Ltd.	93,902	232,996
City Developments, Ltd.	16,600	100,067
DBS Group Holdings, Ltd.	61,000	1,155,995
Genting Singapore, Ltd.	226,200	145,682
Keppel Corp., Ltd.	55,069	224,262
Mapletree Commercial Trust	74,500	120,092

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Singapore (continued)		
Mapletree Logistics Trust	94,359	\$ 143,611
Oversea-Chinese Banking Corp., Ltd.	111,516	849,807
Singapore Airlines, Ltd. (A)	57,850	187,707
Singapore Exchange, Ltd.	28,000	196,672
Singapore Technologies Engineering, Ltd.	54,000	156,280
Singapore Telecommunications, Ltd.	294,940	515,007
Suntec Real Estate Investment Trust	103,300	116,503
United Overseas Bank, Ltd.	40,908	697,253
UOL Group, Ltd.	20,239	118,015
Venture Corp., Ltd.	9,700	142,627
Wilmar International, Ltd.	72,000	253,500
		5,931,386
South Africa - 1.1%		
Absa Group, Ltd.	25,092	205,131
Anglo American Platinum, Ltd.	1,548	152,326
AngloGold Ashanti, Ltd.	14,430	332,589
Aspen Pharmacare Holdings, Ltd. (A)	14,246	121,813
Bid Corp., Ltd.	11,078	199,077
Capitec Bank Holdings, Ltd. (A)	1,928	188,549
Clicks Group, Ltd.	9,143	157,028
Discovery, Ltd.	16,606	173,603
Exxaro Resources, Ltd.	8,997	85,367
FirstRand, Ltd.	178,134	620,692
Gold Fields, Ltd.	29,492	273,777
Growthpoint Properties, Ltd.	109,582	93,872
Harmony Gold Mining Company, Ltd. (A)	18,873	90,207
Impala Platinum Holdings, Ltd.	29,527	406,413
Kumba Iron Ore, Ltd.	2,928	124,556
Mr. Price Group, Ltd.	8,969	104,086
MTN Group, Ltd.	59,164	244,180
MultiChoice Group	15,717	143,470
Naspers, Ltd., N Shares	14,944	3,060,153
Nedbank Group, Ltd.	13,031	115,077
Northam Platinum, Ltd. (A)	12,034	172,149
Old Mutual, Ltd. (B)	182,601	147,940
Rand Merchant Investment Holdings, Ltd.	32,688	71,188
Remgro, Ltd.	20,519	134,790
Sanlam, Ltd.	63,976	255,352
Sasol, Ltd. (A)	19,396	176,409
Shoprite Holdings, Ltd.	16,492	156,845
Sibanye Stillwater, Ltd.	83,867	338,010
Standard Bank Group, Ltd.	46,838	405,662
The Bidvest Group, Ltd.	11,166	119,558
The SPAR Group, Ltd.	5,706	73,475
Tiger Brands, Ltd.	6,286	89,357
Vodacom Group, Ltd.	19,298	162,992
Woolworths Holdings, Ltd.	33,746	90,862
		9,286,555
South Korea - 3.8%		
Alteogen, Inc. (A)	633	104,893
Amorepacific Corp. (A)	1,100	208,869
AMOREPACIFIC Group (A)	770	38,960
BGF retail Company, Ltd. (A)	279	34,853
Celltrion Healthcare Company, Ltd. (A)	1,543	232,060
Celltrion Pharm, Inc. (A)	554	121,850
Celltrion, Inc. (A)	3,255	1,077,338
Cheil Worldwide, Inc. (A)	1,346	25,573
CJ CheilJedang Corp. (A)	285	100,098
CJ Corp. (A)	456	38,711
CJ ENM Company, Ltd. (A)	398	51,254
CJ Logistics Corp. (A)	312	47,591
Coway Company, Ltd. (A)	1,652	110,709
DB Insurance Company, Ltd. (A)	1,810	72,944
Doosan Bobcat, Inc. (A)	1,853	50,736

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International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Doosan Heavy Industries & Construction Company, Ltd. (A)	6,498	\$ 81,113
E-MART, Inc. (A)	672	93,839
Fila Holdings Corp. (A)	1,753	70,695
GS Engineering & Construction Corp. (A)	1,468	51,162
GS Holdings Corp. (A)	1,749	60,514
GS Retail Company, Ltd. (A)	966	30,673
Hana Financial Group, Inc.	10,276	327,304
Hankook Tire & Technology Company, Ltd. (A)	2,560	93,005
Hanmi Pharm Company, Ltd. (A)	232	78,242
Hanon Systems	4,656	69,707
Hanwha Corp. (A)	1,420	37,084
Hanwha Solutions Corp. (A)	3,579	158,220
HLB, Inc. (A)	1,351	115,213
Hotel Shilla Company, Ltd. (A)	1,060	80,417
Hyundai Engineering & Construction Company, Ltd. (A)	2,649	91,472
Hyundai Glovis Company, Ltd. (A)	539	91,459
Hyundai Heavy Industries Holdings Company, Ltd. (A)	311	81,315
Hyundai Marine & Fire Insurance Company, Ltd. (A)	2,142	44,911
Hyundai Mobis Company, Ltd. (A)	2,277	535,929
Hyundai Motor Company	5,051	895,305
Hyundai Steel Company (A)	2,875	105,076
Industrial Bank of Korea	9,029	73,628
Kakao Corp.	1,792	643,006
Kangwon Land, Inc. (A)	3,612	78,264
KB Financial Group, Inc.	13,089	519,856
KB Financial Group, Inc., ADR	430	17,028
Kia Motors Corp. (A)	8,934	514,748
Korea Aerospace Industries, Ltd. (A)	1,710	40,673
Korea Electric Power Corp.	6,370	160,780
Korea Electric Power Corp., ADR	4,277	52,479
Korea Gas Corp. (A)	1,166	33,217
Korea Investment Holdings Company, Ltd. (A)	1,170	85,256
Korea Shipbuilding & Offshore Engineering Company, Ltd. (A)	1,332	133,402
Korea Zinc Company, Ltd. (A)	293	108,504
Korean Air Lines Company, Ltd. (A)	2,241	56,248
KT&G Corp.	4,020	307,794
Kumho Petrochemical Company, Ltd. (A)	614	82,148
LG Chem, Ltd. (A)	1,550	1,178,646
LG Corp. (A)	3,205	258,621
LG Display Company, Ltd.	6,751	115,396
LG Display Company, Ltd., ADR	2,417	20,399
LG Electronics, Inc.	3,460	430,845
LG Household & Health Care, Ltd. (A)	316	471,638
LG Innotek Company, Ltd. (A)	505	85,062
LG Uplus Corp. (A)	3,050	33,026
Lotte Chemical Corp. (A)	562	143,098
Lotte Corp. (A)	819	26,643
Lotte Shopping Company, Ltd. (A)	366	34,615
Meritz Securities Company, Ltd. (A)	10,983	37,133
Mirae Asset Daewoo Company, Ltd. (A)	10,204	88,851
NAVER Corp. (A)	4,160	1,121,408
NCSOFT Corp. (A)	565	485,081
Netmarble Corp. (A)(C)	739	89,591
NH Investment & Securities Company, Ltd. (A)	3,944	41,101
Orion Corp. (A)	817	93,304
Otogi Corp. (A)	43	22,866
Pan Ocean Company, Ltd. (A)	9,148	42,337

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
South Korea (continued)		
Pearl Abyss Corp. (A)	204	\$ 48,916
POSCO	2,503	625,448
POSCO Chemical Company, Ltd.	847	81,329
S-1 Corp. (A)	608	47,607
Samsung Biologics Company, Ltd. (A)(C)	550	418,753
Samsung C&T Corp. (A)	2,732	347,768
Samsung Card Company, Ltd. (A)	998	29,867
Samsung Electro-Mechanics Company, Ltd. (A)	1,863	305,948
Samsung Electronics Company, Ltd.	161,060	12,027,239
Samsung Engineering Company, Ltd. (A)	5,618	68,689
Samsung Fire & Marine Insurance Company, Ltd. (A)	1,040	179,658
Samsung Heavy Industries Company, Ltd. (A)	15,521	100,816
Samsung Life Insurance Company, Ltd. (A)	2,349	171,410
Samsung SDI Company, Ltd.	1,858	1,076,800
Samsung SDS Company, Ltd. (A)	1,176	193,562
Samsung Securities Company, Ltd. (A)	2,224	82,976
Seegene, Inc.	638	113,543
Shin Poong Pharmaceutical Company, Ltd. (A)	983	112,226
Shinhan Financial Group Company, Ltd.	14,823	439,844
Shinhan Financial Group Company, Ltd., ADR	350	10,416
Shinsegae, Inc. (A)	197	43,512
Sk Biopharmaceuticals Company Ltd. (A)	528	82,309
SK Chemicals Company, Ltd. (A)	257	93,145
SK Holdings Company, Ltd.	1,160	257,357
SK Hynix, Inc.	18,439	2,014,064
SK Innovation Company, Ltd. (A)	1,818	318,878
SK Telecom Company, Ltd.	1,334	293,167
S-Oil Corp. (A)	1,541	98,248
Woori Financial Group, Inc.	16,990	152,437
Yuhan Corp. (A)	1,754	121,418
		33,193,136
Spain - 1.6%		
ACS Actividades de Construccion y Servicios SA	10,443	346,947
Aena SME SA (A)(C)	2,276	395,679
Amadeus IT Group SA	15,014	1,108,286
Banco Bilbao Vizcaya Argentaria SA	228,360	1,131,884
Banco Santander SA (A)	555,964	1,733,674
Banco Santander SA (Mexican Stock Exchange) (A)(B)	21,905	64,682
Banco Santander SA, Interim Shares (A)	25,124	78,346
CaixaBank SA	144,982	372,642
Cellnex Telecom SA (A)(C)	11,283	677,574
Enagas SA	7,812	171,861
Endesa SA	12,378	339,513
Ferrovial SA	16,646	460,267
Grifols SA (B)	10,824	316,021
Iberdrola SA	206,797	2,971,716
Industria de Diseno Textil SA	37,975	1,205,313
Naturgy Energy Group SA	12,174	283,094
Red Electrica Corp. SA	15,612	320,529
Repsol SA	52,171	525,574
Siemens Gamesa Renewable Energy SA	9,848	399,889
Telefonica SA	180,178	716,677
		13,620,168
Sweden - 2.1%		
Alfa Laval AB (A)	11,168	308,421
Assa Abloy AB, B Shares	35,582	879,303
Atlas Copco AB, A Shares	23,839	1,225,239

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Atlas Copco AB, B Shares	13,853	\$ 621,826
Boliden AB	10,826	384,078
Electrolux AB, Series B	9,396	218,616
Epiroc AB, A Shares	24,463	444,609
Epiroc AB, B Shares	13,732	231,820
EQT AB (B)	8,294	210,532
Essity AB, B Shares	21,531	693,711
Evolution Gaming Group AB (B)(C)	4,426	444,966
Fastighets AB Balder, B Shares (A)	3,415	178,312
Hennes & Mauritz AB, B Shares (A)(B)	28,520	598,694
Hexagon AB, B Shares	9,339	856,219
Husqvarna AB, B Shares (B)	18,793	243,894
ICA Gruppen AB	3,982	199,182
Industrivarden AB, A Shares (A)	3,603	120,042
Industrivarden AB, C Shares (A)	6,375	206,055
Investment AB Latour, B Shares	5,154	124,844
Investor AB, B Shares	16,170	1,176,907
Kinnevik AB, B Shares (A)	8,775	440,826
L E Lundbergforetagen AB, B Shares (A)(B)	2,546	136,590
Lundin Energy AB (B)	7,867	213,217
Nibe Industrier AB, B Shares	10,856	356,010
Sandvik AB (A)	40,078	988,466
Securitas AB, B Shares (B)	10,739	173,259
Skandinaviska Enskilda Banken AB, A Shares (A)	57,777	594,958
Skanska AB, B Shares	13,244	337,511
SKF AB, B Shares	14,059	365,805
Svenska Cellulosa AB SCA, B Shares (A)	21,092	368,775
Svenska Handelsbanken AB, A Shares (A)	55,216	556,579
Swedbank AB, A Shares (A)	33,187	582,113
Swedish Match AB	6,033	469,493
Tele2 AB, B Shares	17,728	234,506
Telefonaktiebolaget LM Ericsson, B Shares	101,477	1,207,115
Telia Company AB	82,751	341,750
Volvo AB, B Shares (A)	48,024	1,136,877
		17,871,120
Switzerland - 6.3%		
ABB, Ltd.	64,073	1,797,197
Adecco Group AG	6,058	403,483
Alcon, Inc. (A)	16,200	1,075,618
Baloise Holding AG	1,882	334,379
Banque Cantonale Vaudoise	1,016	110,590
Barry Callebaut AG	92	219,248
Chocoladefabriken Lindt & Spruengli AG Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	4	401,763
Cie Financiere Richemont SA, A Shares	42	409,384
Clariant AG	17,877	1,615,044
Coca-Cola HBC AG (A)	8,258	175,202
Coca-Cola HBC AG (A)	8,067	261,235
Credit Suisse Group AG	84,422	1,089,962
EMS-Chemie Holding AG	321	308,790
Geberit AG	1,249	781,838
Givaudan SA	311	1,315,786
Glencore PLC (A)	346,900	1,101,685
Julius Baer Group, Ltd.	8,601	495,517
Kuehne + Nagel International AG	2,065	468,587
LafargeHolcim, Ltd. (A)	10,906	598,606
LafargeHolcim, Ltd. (Euronext Paris Exchange) (A)	6,750	366,268
Logitech International SA	5,725	555,869
Lonza Group AG	2,550	1,642,625
Nestle SA	97,159	11,485,293
Novartis AG	74,879	7,050,453
Partners Group Holding AG	650	763,777

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Roche Holding AG	23,693	\$ 8,252,238
Schindler Holding AG	806	217,857
Schindler Holding AG, Participation Certificates	1,582	427,833
SGS SA	203	611,917
Sika AG	4,781	1,303,268
Sonova Holding AG (A)	1,846	480,133
STMicroelectronics NV	22,367	827,479
Straumann Holding AG (B)	401	469,740
Swiss Life Holding AG	1,026	478,599
Swiss Prime Site AG	3,037	297,722
Swiss Re AG	9,637	907,932
Swisscom AG	989	532,614
Temenos AG	2,330	324,638
The Swatch Group AG	2,395	126,389
The Swatch Group AG, Bearer Shares	1,191	323,765
UBS Group AG	127,628	1,796,982
Vifor Pharma AG	1,821	286,211
Zurich Insurance Group AG	5,231	2,204,455
		54,697,971
Taiwan - 3.8%		
Aceton Technology Corp.	17,000	191,670
Acer, Inc.	58,018	48,953
Advantech Company, Ltd.	13,296	165,979
ASE Technology Holding Company, Ltd.	111,338	322,972
Asia Cement Corp.	36,863	56,775
Asustek Computer, Inc.	24,952	222,839
AU Optronics Corp. (A)	163,827	81,970
Catcher Technology Company, Ltd.	22,184	163,119
Cathay Financial Holding Company, Ltd.	268,839	404,813
Chailease Holding Company, Ltd.	37,148	222,350
Chang Hwa Commercial Bank, Ltd.	113,718	72,682
Cheng Shin Rubber Industry Company, Ltd.	43,680	68,582
China Development Financial Holding Corp.	438,153	145,088
China Life Insurance Company, Ltd.	111,303	88,093
China Steel Corp.	363,388	320,355
Chunghwa Telecom Company, Ltd.	131,148	508,769
Compal Electronics, Inc.	79,764	58,863
CTBC Financial Holding Company, Ltd.	604,465	424,257
Delta Electronics, Inc.	66,866	627,066
E.Sun Financial Holding Company, Ltd.	322,114	293,182
Eclat Textile Company, Ltd.	6,259	94,274
Evergreen Marine Corp. Taiwan, Ltd. (A)	11,566	16,793
Far Eastern New Century Corp.	64,875	66,957
Far EasTone Telecommunications Company, Ltd.	45,159	98,452
Feng TAY Enterprise Company, Ltd.	14,520	103,290
First Financial Holding Company, Ltd.	378,552	288,066
Formosa Chemicals & Fibre Corp.	121,212	365,740
Formosa Petrochemical Corp.	39,720	141,268
Formosa Plastics Corp.	131,086	450,245
Foxconn Technology Company, Ltd.	15,513	29,552
Fubon Financial Holding Company, Ltd.	211,112	351,576
Giant Manufacturing Company, Ltd.	11,000	107,786
Globalwafers Company, Ltd.	8,000	202,095
Highwealth Construction Corp.	29,700	48,491
Hiwin Technologies Corp.	9,303	127,717
Hon Hai Precision Industry Company, Ltd.	429,368	1,407,874
Hotai Motor Company, Ltd.	9,000	206,535
Hua Nan Financial Holdings Company, Ltd.	302,117	196,396
Innolux Corp. (A)	297,841	149,896
Inventec Corp.	25,899	22,154

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Taiwan (continued)		
Largan Precision Company, Ltd.	3,143	\$ 358,183
Lite-On Technology Corp.	39,626	70,306
MediaTek, Inc.	52,340	1,395,765
Mega Financial Holding Company, Ltd.	375,134	398,162
Micro-Star International Company, Ltd.	23,000	108,716
Nan Ya Plastics Corp.	177,992	455,998
Nanya Technology Corp.	37,000	114,711
Novatek Microelectronics Corp.	20,361	267,916
Pegatron Corp.	66,989	160,826
Pou Chen Corp.	36,641	40,991
Powertech Technology, Inc.	13,149	44,542
President Chain Store Corp.	19,496	185,019
Quanta Computer, Inc.	92,771	267,683
Realtek Semiconductor Corp.	16,999	236,820
Shin Kong Financial Holding Company, Ltd.	389,836	122,597
SinoPac Financial Holdings Company, Ltd.	349,762	142,673
Synnex Technology International Corp.	24,928	41,767
Taishin Financial Holding Company, Ltd.	326,730	154,320
Taiwan Business Bank	193,450	67,082
Taiwan Cement Corp.	167,824	258,381
Taiwan Cooperative Financial Holding Company, Ltd.	290,321	210,506
Taiwan High Speed Rail Corp.	71,000	80,241
Taiwan Mobile Company, Ltd.	57,257	201,540
Taiwan Semiconductor Manufacturing Company, Ltd.	831,227	15,724,752
The Shanghai Commercial & Savings Bank, Ltd.	118,937	174,227
Unimicron Technology Corp.	41,000	128,091
Uni-President Enterprises Corp.	166,487	400,431
United Microelectronics Corp.	396,313	666,504
Vanguard International Semiconductor Corp.	31,000	128,264
Walsin Technology Corp.	11,000	90,511
Win Semiconductors Corp.	12,000	148,121
Winbond Electronics Corp.	102,000	105,802
Wistron Corp.	42,598	47,133
WPG Holdings, Ltd.	47,840	73,142
Ya Hsin Industrial Company, Ltd. (A)(E)	36,000	0
Yageo Corp.	9,584	177,398
Yuanta Financial Holding Company, Ltd.	352,837	258,485
Zhen Ding Technology Holding, Ltd.	19,000	77,318
		32,548,458
Thailand - 0.5%		
Advanced Info Service PCL	48,400	284,484
Airports of Thailand PCL	163,100	338,453
Bangkok Bank PCL	11,700	46,500
Bangkok Bank PCL, NVDR	2,700	10,676
Bangkok Dusit Medical Services PCL, NVDR	387,300	268,248
Bangkok Expressway & Metro PCL, NVDR	354,600	98,144
Berli Jucker PCL, NVDR	21,300	24,674
BTS Group Holdings PCL, NVDR	301,600	93,642
Bumrungrad Hospital PCL, NVDR	15,600	62,448
Central Pattana PCL, NVDR	64,400	102,537
Central Retail Corp. PCL (A)	45,441	46,694
Charoen Pokphand Foods PCL	136,200	121,602
CP ALL PCL (A)	184,600	358,765
CP ALL PCL, NVDR	12,300	23,905
Electricity Generating PCL	7,600	48,782
Electricity Generating PCL, NVDR	1,400	8,986
Energy Absolute PCL	56,900	93,093
Gulf Energy Development PCL, NVDR	79,150	90,347

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thailand (continued)		
Home Product Center PCL	204,400	\$ 93,112
Indorama Ventures PCL, NVDR	54,900	67,784
Intouch Holdings PCL, NVDR	96,400	180,889
Kasikornbank PCL	45,000	171,267
Kasikornbank PCL, NVDR	27,100	102,183
Krung Thai Bank PCL	164,375	60,852
Land & Houses PCL, NVDR	393,400	104,459
Minor International PCL, NVDR (A)	127,100	109,091
Muangthai Capital PCL, NVDR	11,300	22,193
PTT Exploration & Production PCL	60,147	197,249
PTT Global Chemical PCL	87,373	170,672
PTT PCL	391,000	555,109
PTT PCL, NVDR	10,500	14,907
Ratch Group PCL, NVDR	12,800	22,606
Thai Oil PCL	46,900	81,333
Thai Union Group PCL, Class F	95,900	43,566
The Siam Cement PCL	12,000	151,380
The Siam Cement PCL, NVDR	14,300	180,394
The Siam Commercial Bank PCL	23,348	68,136
Total Access Communication PCL, NVDR	12,500	13,862
True Corp. PCL	448,802	51,513
		4,584,537
Turkey - 0.1%		
Akbank T.A.S. (A)	100,286	93,016
Aselsan Elektronik Sanayi Ve Ticaret AS	14,026	34,389
BIM Birllesik Magazalar AS	16,428	166,161
Eregli Demir ve Celik Fabrikalari TAS	49,091	98,519
Ford Otomotiv Sanayi AS	4,572	77,576
Haci Omer Sabanci Holding AS	31,762	48,923
KOC Holding AS	25,423	72,149
Turk Hava Yollari AO (A)	25,366	44,072
Turkcell Iletisim Hizmetleri AS	38,572	83,326
Turkiye Garanti Bankasi AS (A)	86,216	120,229
Turkiye Is Bankasi AS, Class C (A)	60,572	56,976
Turkiye Petrol Rafinerileri AS (A)	4,998	72,544
		967,880
United Arab Emirates - 0.0%		
NMC Health PLC (A)	4,471	928
United Kingdom - 7.9%		
3i Group PLC	36,926	584,057
Admiral Group PLC	6,635	262,361
Anglo American PLC	41,371	1,366,165
Ashtead Group PLC	15,597	734,636
Associated British Foods PLC (A)	13,623	420,607
AstraZeneca PLC	44,832	4,470,354
Auto Trader Group PLC (C)	37,238	303,108
AVEVA Group PLC	4,243	185,244
Aviva PLC	143,921	640,167
BAE Systems PLC	111,616	744,343
Barclays PLC	601,849	1,207,368
Barratt Developments PLC (A)	39,643	362,421
BP PLC	683,369	2,358,135
British American Tobacco PLC	77,371	2,873,322
BT Group PLC (A)	308,640	556,312
Bunzl PLC	11,691	390,339
Burberry Group PLC (A)	15,796	385,741
CNH Industrial NV (A)	37,712	474,053
Coca-Cola European Partners PLC	6,887	333,039
Compass Group PLC	58,290	1,087,190
Croda International PLC	4,474	402,347
Diageo PLC	78,828	3,119,133
Direct Line Insurance Group PLC	53,358	233,373
Evraz PLC	18,017	115,145
Ferguson PLC	7,801	947,826

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Fiat Chrysler Automobiles NV (A)	37,161	\$ 671,349
GlaxoSmithKline PLC	169,205	3,096,113
Halma PLC	13,950	467,190
Hargreaves Lansdown PLC	11,129	231,729
HSBC Holdings PLC	686,857	3,547,789
Imperial Brands PLC	35,031	734,762
Informa PLC (A)	47,610	355,998
InterContinental Hotels Group PLC (A)	6,599	427,715
Intertek Group PLC	5,603	432,778
J Sainsbury PLC	71,585	220,032
JD Sports Fashion PLC (A)	16,184	190,134
Johnson Matthey PLC	7,531	249,507
Kingfisher PLC (A)	84,019	310,463
Land Securities Group PLC	25,882	239,047
Legal & General Group PLC	219,159	798,708
Lloyds Banking Group PLC (A)	2,483,735	1,238,289
London Stock Exchange Group PLC	10,980	1,355,336
M&G PLC	94,053	253,866
Melrose Industries PLC (A)	185,187	451,189
Mondi PLC	13,861	324,790
Mondi PLC (Johannesburg Stock Exchange)	4,137	97,057
National Grid PLC	123,534	1,459,857
Natwest Group PLC (A)	181,551	415,024
Next PLC (A)	4,895	472,007
Ocado Group PLC (A)	15,026	469,866
Pearson PLC	30,415	279,157
Persimmon PLC	12,211	460,878
Phoenix Group Holdings PLC	18,532	177,593
Prudential PLC	87,981	1,617,795
Reckitt Benckiser Group PLC	24,661	2,201,102
RELX PLC	40,612	993,673
RELX PLC (Euronext Amsterdam Exchange)	24,534	599,524
Rentokil Initial PLC (A)	67,951	473,767
Rio Tinto PLC	37,839	2,848,264
Rolls-Royce Holdings PLC (A)	275,192	416,484
RSA Insurance Group PLC	40,468	375,093
Schroders PLC	4,962	226,248
Segro PLC	40,814	529,593
Severn Trent PLC	7,990	249,433
Smith & Nephew PLC	32,136	667,545
Smiths Group PLC	15,498	318,779
Spirax-Sarco Engineering PLC	2,625	405,206
SSE PLC	38,128	780,984
St. James's Place PLC	20,193	312,469
Standard Chartered PLC (A)	93,128	591,359
Standard Life Aberdeen PLC	88,164	337,934
Taylor Wimpey PLC (A)	125,790	284,533
Tesco PLC	339,966	1,072,855
The Berkeley Group Holdings PLC	4,387	283,785
The British Land Company PLC	35,353	236,778
The Sage Group PLC	41,847	332,275
Unilever PLC	39,481	2,367,825
Unilever PLC	49,466	2,995,202
United Utilities Group PLC	26,873	328,684
Vodafone Group PLC	904,612	1,485,818
Whitbread PLC (A)	7,168	303,613
Wm Morrison Supermarkets PLC	89,522	216,617
WPP PLC	42,535	460,910
		68,299,156
United States - 0.1%		
Bausch Health Companies, Inc. (A)	12,400	257,274

International Equity Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United States (continued)		
Brookfield Renewable Corp., Class A	4,050	\$ 236,274
		493,548
TOTAL COMMON STOCKS (Cost \$596,150,916)		
		\$ 844,145,052
PREFERRED SECURITIES - 1.0%		
Brazil - 0.4%		
Banco Bradesco SA	153,125	805,379
Centrais Eletricas Brasileiras SA, B Shares	5,700	40,904
Cia Energetica de Minas Gerais	32,546	91,766
Gerdau SA	36,200	170,807
Itau Unibanco Holding SA	168,689	1,032,394
Itausa SA	147,723	335,232
Lojas Americanas SA	27,368	138,531
Petroleo Brasileiro SA	150,151	815,149
		3,430,162
Germany - 0.4%		
Bayerische Motoren Werke AG	2,090	140,792
FUCHS PETROLUB SE	2,735	154,315
Henkel AG & Company KGaA	6,138	692,083
Porsche Automobil Holding SE	5,695	393,390
Sartorius AG (B)	1,201	505,834
Volkswagen AG	6,259	1,169,699
		3,056,113
South Korea - 0.2%		
Hyundai Motor Company	705	57,590
Hyundai Motor Company, 2nd Preferred	1,197	99,021
LG Chem, Ltd.	162	57,030
LG Household & Health Care, Ltd.	48	31,753
Samsung Electronics Company, Ltd.	27,790	1,885,189
		2,130,583
TOTAL PREFERRED SECURITIES (Cost \$6,883,197)		
		\$ 8,616,858
RIGHTS - 0.0%		
POSCO Chemical Company, Ltd.		
(Expiration Date: 1-15-21; Strike Price: KRW 71,500.00) (A)		
	201	5,634
Repsol SA (Expiration Date: 1-13-21; Strike Price: EUR 0.29) (A)		
	52,171	17,890
TOTAL RIGHTS (Cost \$18,424)		
		\$ 23,524
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 2-16-21; Strike Price: THB 14.00) (A)		
	30,160	10
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (A)		
	35,754	9,289
TOTAL WARRANTS (Cost \$0)		
		\$ 9,299
SHORT-TERM INVESTMENTS - 3.1%		
Short-term funds - 3.1%		
Fidelity Institutional Money Market Government Portfolio, Institutional Class, 0.0100% (F)		
	5,708,689	5,708,689
John Hancock Collateral Trust, 0.1386% (F)(G)		
	2,093,873	20,951,501
TOTAL SHORT-TERM INVESTMENTS (Cost \$26,662,312)		
		\$ 26,660,190
Total Investments (International Equity Index Trust) (Cost \$629,714,849) - 101.3%		
		\$ 879,454,923
Other assets and liabilities, net - (1.3%)		
		(11,176,457)
TOTAL NET ASSETS - 100.0%		
		\$ 868,278,466

Currency Abbreviations

CHF Swiss Franc

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Equity Index Trust (continued)

EUR	Euro
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 12-31-20.
(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.

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)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI EAFE Index Futures	1	Long	Mar 2021	\$104,178	\$106,570	\$2,392
Mini MSCI Emerging Markets Index Futures	286	Long	Mar 2021	17,807,074	18,416,970	609,896
						\$612,288

[^] 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 - 98.2%		
Australia - 6.9%		
A2B Australia, Ltd.	9,047	\$ 8,359
Accent Group, Ltd.	24,907	44,411
Adbri, Ltd.	19,036	49,237
Ainsworth Game Technology, Ltd. (A)	10,192	3,772
Alkane Resources, Ltd. (A)	4,753	3,512
ALS, Ltd.	16,888	124,663
Altium, Ltd.	3,451	90,625
AMA Group, Ltd. (A)	24,887	15,434
Amaysim Australia, Ltd. (A)(B)	11,607	6,807
Ansell, Ltd.	4,178	111,687
Appen, Ltd.	2,202	42,043
ARB Corp., Ltd.	3,753	89,281
Ardent Leisure Group, Ltd. (A)(B)	39,016	20,652
Asaleo Care, Ltd.	30,182	31,470
AUB Group, Ltd.	4,946	61,881
Aurelia Metals, Ltd.	85,331	28,348
Austal, Ltd.	23,155	47,774
Australian Agricultural Company, Ltd. (A)	28,065	23,815
Australian Pharmaceutical Industries, Ltd.	26,584	25,206
Australian Strategic Materials, Ltd. (A)(B)	950	4,706
Auswide Bank, Ltd.	607	2,782
Bank of Queensland, Ltd.	21,179	126,524
Bapcor, Ltd.	15,610	93,873
Base Resources, Ltd.	32,069	7,041
Beach Energy, Ltd.	60,312	84,130
Bega Cheese, Ltd.	19,632	77,395
Bendigo & Adelaide Bank, Ltd.	12,518	90,182
Bingo Industries, Ltd.	8,137	15,241
Blackmores, Ltd. (A)	400	23,283
Blue Sky Alternative Investments, Ltd. (A)(C)	2,049	248
Bravura Solutions, Ltd.	17,286	43,048
Breville Group, Ltd.	5,143	101,228
Brickworks, Ltd.	3,876	57,566

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
BWX, Ltd.	7,767	\$ 24,668
Cardno, Ltd. (A)	15,086	3,907
carsales.com, Ltd.	7,654	118,224
Cash Converters International, Ltd. (A)	14,501	2,584
Cedar Woods Properties, Ltd.	2,584	12,480
Challenger, Ltd.	14,740	73,245
Champion Iron, Ltd. (A)	5,546	20,382
Cleanaway Waste Management, Ltd.	55,222	99,957
Clinuvel Pharmaceuticals, Ltd. (B)	2,335	40,165
Codan, Ltd.	5,320	45,934
Collins Foods, Ltd.	5,764	42,921
Cooper Energy, Ltd. (A)(B)	98,256	29,571
Corporate Travel Management, Ltd.	3,238	44,002
Costa Group Holdings, Ltd.	12,590	39,637
Credit Corp. Group, Ltd.	3,047	69,867
CSR, Ltd.	25,551	103,493
Data#3, Ltd.	9,073	39,354
Decmil Group, Ltd. (A)	1,519	744
Deterra Royalties, Ltd. (A)	16,722	61,881
Domain Holdings Australia, Ltd.	17,171	59,407
Downer EDI, Ltd.	20,016	82,248
Eagers Automotive, Ltd.	9,653	98,952
Eclix Group, Ltd. (A)	16,681	22,837
Elders, Ltd.	8,609	65,491
EQT Holdings, Ltd.	716	14,609
Estia Health, Ltd.	11,708	15,983
EVENT Hospitality and Entertainment, Ltd.	4,397	32,215
FAR, Ltd. (A)(B)(C)	313,905	2,662
Finbar Group, Ltd.	8,370	5,290
Fleetwood, Ltd.	8,058	12,087
Flight Centre Travel Group, Ltd. (A)(B)	2,908	35,684
Freedom Foods Group, Ltd. (C)	6,482	12,786
G8 Education, Ltd.	51,376	46,781

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Galaxy Resources, Ltd. (A)(B)	37,250	\$ 64,301
Genworth Mortgage Insurance Australia, Ltd.	18,245	33,519
Gold Road Resources, Ltd. (A)	43,849	44,798
GrainCorp., Ltd., Class A	13,614	43,992
GUD Holdings, Ltd.	3,640	32,899
GWA Group, Ltd. (B)	12,195	32,917
Hansen Technologies, Ltd.	11,735	33,645
Healius, Ltd.	36,714	105,334
HT&E, Ltd.	20,357	29,111
HUB24, Ltd. (B)	3,277	54,031
Humm Group, Ltd.	26,650	23,092
IGO, Ltd.	27,706	136,547
Iluka Resources, Ltd.	16,722	83,969
Index, Ltd.	20,483	27,279
Incitec Pivot, Ltd. (A)	53,588	94,260
Infomedia, Ltd.	17,584	26,166
Inghams Group, Ltd.	11,981	28,782
Intega Group, Ltd. (A)	15,086	3,188
Integral Diagnostics, Ltd.	6,781	22,649
Integrated Research, Ltd. (B)	3,367	6,914
InvoCare, Ltd.	8,212	72,523
IOOF Holdings, Ltd.	30,144	81,735
IPH, Ltd.	9,953	49,290
IRESS, Ltd.	8,152	66,963
IVE Group, Ltd. (A)	11,452	12,599
Japara Healthcare, Ltd.	17,906	8,575
Jumbo Interactive, Ltd.	2,253	24,454
Jupiter Mines, Ltd.	116,266	27,367
Karoon Energy, Ltd. (A)	14,552	11,933
Kogan.com, Ltd.	1,926	28,257
Lifestyle Communities, Ltd.	3,310	32,644
Link Administration Holdings, Ltd.	18,381	78,527
Lovisa Holdings, Ltd.	3,846	33,801
MACA, Ltd.	23,711	22,281
Macmahon Holdings, Ltd.	112,440	23,034
Mayne Pharma Group, Ltd. (A)	99,135	26,351
McMillan Shakespeare, Ltd.	3,346	31,902
McPherson's, Ltd.	9,168	9,615
Medusa Mining, Ltd. (A)	8,127	4,826
Mesoblast, Ltd. (A)(B)	11,677	20,158
Metals X, Ltd. (A)(B)	48,765	5,268
Metcash, Ltd.	51,856	135,267
Mineral Resources, Ltd.	6,073	175,589
Moelis Australia, Ltd.	3,830	14,079
Monadelphous Group, Ltd.	6,360	65,888
Monash IVF Group, Ltd.	21,798	13,224
Money3 Corp., Ltd.	8,682	19,469
Mortgage Choice, Ltd.	6,422	7,118
Mount Gibson Iron, Ltd.	49,184	34,907
Myer Holdings, Ltd. (A)(B)	63,302	14,175
MyState, Ltd.	4,337	16,533
Navigator Global Investments, Ltd.	10,160	13,621
Nearmap, Ltd. (A)(B)	5,127	8,768
Netwealth Group, Ltd.	3,669	45,264
New Energy Solar, Ltd.	16,176	10,786
New Hope Corp., Ltd.	24,235	26,504
nib holdings, Ltd.	21,443	98,391
Nick Scali, Ltd. (B)	5,272	39,275
Nine Entertainment Company Holdings, Ltd.	72,050	128,987
NRW Holdings, Ltd.	25,786	57,982
Nufarm, Ltd. (A)	12,991	41,081
OceanaGold Corp. (A)	31,900	61,650
OFX Group, Ltd.	14,134	13,341

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Australia (continued)		
Omni Bridgeway, Ltd.	15,737	\$ 51,905
oOh!media, Ltd.	31,712	40,618
Orora, Ltd.	40,091	83,394
OZ Minerals, Ltd.	17,975	262,587
Pacific Current Group, Ltd.	1,717	8,139
Pact Group Holdings, Ltd. (B)	11,275	23,033
Peet, Ltd.	13,800	12,715
Pendal Group, Ltd.	11,153	56,167
Perenti Global, Ltd.	35,432	37,591
Perpetual, Ltd.	2,914	78,149
Perseus Mining, Ltd. (A)	68,083	68,253
Platinum Asset Management, Ltd.	14,631	46,048
Praemium, Ltd. (A)	28,131	14,314
Premier Investments, Ltd.	4,691	85,103
Pro Medicus, Ltd.	1,815	47,842
Qube Holdings, Ltd.	4,839	10,956
Ramelius Resources, Ltd.	29,377	38,242
Regis Healthcare, Ltd.	9,267	13,463
Regis Resources, Ltd.	24,003	69,266
Resolute Mining, Ltd. (A)(B)	43,558	26,730
Ridley Corp., Ltd.	19,540	13,771
Sandfire Resources, Ltd.	8,336	34,455
SeaLink Travel Group, Ltd.	2,432	12,589
Select Harvests, Ltd.	6,901	27,751
Senex Energy, Ltd. (A)	87,382	21,320
Servcorp, Ltd.	3,171	7,360
Service Stream, Ltd.	18,170	25,250
Seven West Media, Ltd. (A)(B)	85,038	21,750
SG Fleet Group, Ltd.	7,879	15,014
Sigma Healthcare, Ltd. (A)	86,903	41,191
Silver Lake Resources, Ltd. (A)	29,625	40,884
SmartGroup Corp., Ltd.	4,591	24,213
Southern Cross Media Group, Ltd. (A)	17,291	29,804
Spark Infrastructure Group	73,030	118,736
SpeedCast International, Ltd. (A)(B)(C)	17,245	10,503
St. Barbara, Ltd.	32,139	58,463
Steadfast Group, Ltd.	37,803	116,322
Super Retail Group, Ltd.	7,649	62,162
Superloop, Ltd. (A)	17,732	14,495
Syrah Resources, Ltd. (A)	36,700	27,272
Tassal Group, Ltd.	15,770	40,787
Technology One, Ltd.	12,347	78,151
The Reject Shop, Ltd. (A)	2,561	13,639
The Star Entertainment Group, Ltd.	37,406	106,167
Tiger Resources, Ltd. (A)(C)	92,816	2,633
United Malt Grp, Ltd.	15,585	49,256
Virgin Australia Holdings, Ltd. (A)(C)	359,466	0
Virtus Health, Ltd.	8,064	33,142
Viva Energy Group, Ltd. (D)	8,148	12,058
Vocus Group, Ltd. (A)	35,249	109,552
Webjet, Ltd. (B)	21,997	86,153
Western Areas, Ltd.	18,885	38,389
Westgold Resources, Ltd. (A)	16,604	33,862
Whitehaven Coal, Ltd. (B)	27,507	34,958
WPP AUNZ, Ltd. (A)	25,254	13,526
		8,027,760
Austria - 1.8%		
Agrana Beteiligungs AG	724	14,281
ams AG (A)	11,999	261,451
ANDRITZ AG	3,423	156,913
AT&S Austria Technologie & Systemtechnik AG	2,410	76,620
BAWAG Group AG (D)	1,568	72,932
CA Immobilien Anlagen AG	3,287	125,265
DO & Company AG (A)(B)	278	22,731

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Austria (continued)		
EVN AG	2,457	\$ 53,245
FACC AG (A)	1,116	11,600
Flughafen Wien AG (A)	265	9,700
IMMOFINANZ AG (A)(B)	4,356	89,801
Kapsch TrafficCom AG (A)	191	3,055
Lenzing AG (A)(B)	693	69,814
Mayr Melnhof Karton AG	439	88,352
Oesterreichische Post AG (B)	1,786	62,477
Palfinger AG	1,137	35,769
POLYTEC Holding AG (A)(B)	995	9,083
Porr AG (A)(B)	648	10,218
Raiffeisen Bank International AG (A)	2,771	56,311
Rhi Magnesita NV	1,095	52,733
Rhi Magnesita NV (London Stock Exchange)	545	26,120
Rosenbauer International AG (B)	174	7,719
S IMMO AG	2,772	57,486
S&T AG (A)(B)	1,838	43,372
Schoeller-Bleckmann Oilfield Equipment AG	710	26,922
Semperit AG Holding (A)	822	24,223
Strabag SE, Bearer Shares	893	30,959
Telekom Austria AG	7,836	60,752
UBM Development AG	411	17,970
UNIQA Insurance Group AG	7,877	61,880
Vienna Insurance Group AG	2,545	64,621
voestalpine AG	4,895	174,705
Wienerberger AG	6,968	222,195
Zumtobel Group AG (A)	2,545	18,847
		2,120,122
Belgium - 1.4%		
Ackermans & van Haaren NV	1,132	170,024
AGFA-Gevaert NV (A)	6,780	32,368
Akka Technologies (A)	603	18,996
Atenor	211	14,718
Banque Nationale de Belgique	12	25,750
Barco NV	3,168	68,915
Bekaert SA	2,225	73,581
Biocartis Group NV (A)(B)(D)	2,587	14,734
bpost SA (A)	4,236	43,785
Celyad Oncology SA (A)	493	4,024
Cie d'Entreprises CFE (A)	416	42,706
D'iteteren SA/NV	1,085	89,642
Econocom Group SA/NV	6,435	19,387
Elia Group SA/NV (B)	1,281	152,900
Etablissements Franz Colruyt NV	1,159	68,462
Euronav NV	8,334	67,429
EVS Broadcast Equipment SA (A)	811	16,541
Exmar NV (A)(B)	1,567	5,290
Fagron	2,165	50,347
Gimv NV	1,197	73,126
Immobel SA	209	17,455
Ion Beam Applications	1,305	19,594
Kinopolis Group NV (A)(B)	585	24,809
Lotus Bakeries NV	13	58,477
Melexis NV	987	96,202
Ontex Group NV (A)	3,927	52,794
Orange Belgium SA	805	21,457
Oxurion NV (A)(B)	1,612	5,016
Picanol	88	6,495
Proximus SADP	1,937	38,262
Recticel SA	2,296	30,004
Sioen Industries NV (A)	374	10,043
Sipef NV (A)	420	22,174
Telenet Group Holding NV	1,717	73,438

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Belgium (continued)		
Tessenderlo Group SA (A)	1,141	\$ 45,497
Van de Velde NV	377	10,510
VGP NV	51	7,643
Viohalco SA	7,173	32,421
		1,625,016
Bermuda - 0.1%		
Hiscox, Ltd. (A)	8,333	113,477
Cambodia - 0.0%		
NagaCorp, Ltd.	8,000	10,508
Canada - 10.3%		
5N Plus, Inc. (A)	3,515	8,146
Absolute Software Corp. (B)	3,900	46,418
Advantage Oil & Gas, Ltd. (A)(B)	11,500	15,449
Aecon Group, Inc.	4,500	57,836
Africa Oil Corp. (A)(B)	34,602	30,717
Ag Growth International, Inc.	1,100	25,761
AGF Management, Ltd., Class B	4,298	20,529
Aimia, Inc. (A)	7,777	25,233
AirBoss of America Corp.	1,500	18,572
Alamos Gold, Inc., Class A	21,806	190,496
Alaris Equity Partners Income	2,229	26,459
Alcanna, Inc. (A)	1,500	6,976
Algoma Central Corp.	700	7,655
AltaGas, Ltd. (B)	7,106	104,505
Altius Minerals Corp. (B)	3,100	33,340
Altus Group, Ltd.	1,818	70,183
Andrew Peller, Ltd., Class A	2,300	18,936
ARC Resources, Ltd.	16,428	77,436
Aritzia, Inc. (A)(B)	3,100	62,809
Atco, Ltd., Class I	1,054	30,215
Athabasca Oil Corp. (A)(B)	42,135	5,627
ATS Automation Tooling Systems, Inc. (A)	3,547	62,279
AutoCanada, Inc.	1,985	36,818
Badger Daylighting, Ltd.	1,522	45,472
Baytex Energy Corp. (A)	35,400	19,189
Birch Mountain Resources, Ltd. (A)(C)	9,200	1
Birchcliff Energy, Ltd.	15,733	21,877
Bird Construction, Inc.	4,995	31,393
Black Diamond Group, Ltd. (A)	2,750	5,876
BlackBerry, Ltd. (A)	11,689	77,504
BlackBerry, Ltd. (New York Stock Exchange) (A)(B)	14,111	93,556
BMTC Group, Inc.	500	4,871
Boralex, Inc., Class A	4,277	158,728
BRP, Inc.	1,679	110,918
Cameco Corp.	8,472	113,479
Cameco Corp. (New York Stock Exchange)	6,280	84,152
Canaccord Genuity Group, Inc.	3,431	30,081
Canacol Energy, Ltd. (B)	7,565	22,287
Canada Goose Holdings, Inc. (A)	2,213	65,787
Canadian Western Bank (B)	4,515	101,516
Canfor Corp. (A)	4,300	77,629
Canfor Pulp Products, Inc.	2,715	17,447
CanWel Building Materials Group, Ltd.	3,600	21,692
Capital Power Corp.	5,927	162,877
Capstone Mining Corp. (A)	29,467	55,096
Cardinal Energy, Ltd. (B)	5,530	3,562
Cascades, Inc.	5,723	65,417
Celestica, Inc. (A)	5,019	40,494
Celestica, Inc. (New York Stock Exchange) (A)	3,200	25,824
Centerra Gold, Inc.	12,177	141,008
CES Energy Solutions Corp.	18,429	18,532

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
China Gold International Resources Corp., Ltd. (A)(B)	18,050	\$ 25,808
CI Financial Corp.	7,400	91,737
Cineplex, Inc. (B)	3,000	21,848
Clearwater Seafoods, Inc.	1,500	9,675
Cogeco Communications, Inc.	263	20,219
Cogeco, Inc.	445	28,660
Colliers International Group, Inc. (B)	1,400	124,591
Computer Modelling Group, Ltd.	4,420	16,945
Copper Mountain Mining Corp. (A)	8,800	12,513
Corby Spirit and Wine, Ltd.	700	9,294
Corus Entertainment, Inc., B Shares	11,806	39,697
Crescent Point Energy Corp. (B)	9,519	22,210
Crescent Point Energy Corp. (New York Stock Exchange)	16,800	39,312
Crew Energy, Inc. (A)	11,300	4,971
CRH Medical Corp. (A)	5,500	12,876
Cronos Group, Inc. (A)(B)	4,196	29,120
Denison Mines Corp. (A)	33,028	21,796
Dexterra Group, Inc.	1,621	8,265
DIRTT Environmental Solutions (A)(B)	3,000	7,330
Dorel Industries, Inc., Class B (A)	2,900	34,014
DREAM Unlimited Corp., Class A	2,250	37,562
Dundee Precious Metals, Inc.	11,187	80,416
ECN Capital Corp.	18,600	94,542
E-L Financial Corp., Ltd.	100	59,903
Eldorado Gold Corp. (A)	9,374	124,236
Element Fleet Management Corp.	16,142	169,676
Endeavour Silver Corp. (A)(B)	10,900	55,061
Enerflex, Ltd.	6,400	32,983
Enerplus Corp. (B)	11,735	36,692
Enghouse Systems, Ltd.	1,800	87,179
Ensign Energy Services, Inc.	9,800	7,006
Equitable Group, Inc.	996	79,029
ERO Copper Corp. (A)	2,900	46,522
Exchange Income Corp.	568	16,350
Exco Technologies, Ltd.	1,500	10,877
Extencare, Inc. (B)	6,230	32,498
Fiera Capital Corp.	3,035	25,465
Finning International, Inc.	7,181	152,488
Firm Capital Mortgage Investment Corp.	1,100	11,001
First Majestic Silver Corp. (A)(B)	6,681	89,647
First Mining Gold Corp. (A)(B)	39,000	12,255
First National Financial Corp.	700	22,811
Fission Uranium Corp. (A)	19,500	5,898
Fortuna Silver Mines, Inc. (A)(B)	14,267	117,238
Freehold Royalties, Ltd.	7,229	29,588
Frontera Energy Corp.	2,200	5,548
Galiano Gold, Inc. (A)	6,600	7,415
Gamehost, Inc.	100	456
Genworth MI Canada, Inc.	1,788	60,977
Gibson Energy, Inc.	7,398	119,493
Glacier Media, Inc. (A)	6,100	1,246
goeasy, Ltd. (B)	672	51,024
Golden Star Resources, Ltd. (A)	5,011	18,542
Gran Tierra Energy, Inc. (A)(B)	25,166	9,292
Great Canadian Gaming Corp. (A)	2,400	81,980
Guardian Capital Group, Ltd., Class A	600	12,703
Hanfeng Evergreen, Inc. (A)(C)	200	0
Headwater Exploration, Inc. (A)	4,930	9,257
Heroux-Devtek, Inc. (A)	2,700	29,908
High Liner Foods, Inc.	1,773	15,461
Home Capital Group, Inc. (A)	3,379	78,841
Hudbay Minerals, Inc.	18,257	127,795
iA Financial Corp., Inc.	3,174	137,592

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
IAMGOLD Corp. (A)	29,827	\$ 109,429
Imperial Metals Corp. (A)(B)	4,600	18,430
Information Services Corp.	800	12,513
Innergex Renewable Energy, Inc.	6,800	146,214
Inter Pipeline, Ltd. (B)	8,848	82,509
Interfor Corp. (A)	3,520	65,732
International Petroleum Corp. (A)(B)	5,324	11,753
International Tower Hill Mines, Ltd. (A)	2,300	3,216
Intertape Polymer Group, Inc.	2,700	51,204
Ivanhoe Mines, Ltd., Class A (A)	31,171	167,989
Jamieson Wellness, Inc. (B)	1,500	42,576
Just Energy Group, Inc. (A)	11	52
KAB Distribution, Inc. (A)(C)	7,076	0
K-Bro Linen, Inc.	600	18,369
Kelt Exploration, Ltd. (A)(B)	10,445	14,770
Keyera Corp. (B)	7,050	125,282
Kinaxis, Inc. (A)	1,068	151,310
Kingsway Financial Services, Inc. (A)	425	1,998
Knight Therapeutics, Inc. (A)	5,400	22,696
Labrador Iron Ore Royalty Corp.	3,218	82,441
Largo Resources, Ltd. (A)	7,800	8,456
Lassonde Industries, Inc., Class A	200	27,187
Laurentian Bank of Canada (B)	2,714	66,523
Leon's Furniture, Ltd.	1,883	30,518
Linamar Corp.	2,766	146,503
Lucara Diamond Corp. (A)(B)	25,184	10,288
Lundin Gold, Inc. (A)	2,800	24,043
Lundin Mining Corp.	9,633	85,516
Magellan Aerospace Corp.	900	6,201
Mainstreet Equity Corp. (A)	400	24,847
Major Drilling Group International, Inc. (A)	6,800	41,081
Maple Leaf Foods, Inc. (B)	3,940	87,349
Martinrea International, Inc.	5,613	65,527
Medical Facilities Corp.	2,104	11,637
MEG Energy Corp. (A)	13,888	48,552
Melcor Developments, Ltd.	1,000	7,400
Methanex Corp. (B)	500	22,975
Morguard Corp.	400	36,279
Morneau Shepell, Inc.	3,098	75,521
Mountain Province Diamonds, Inc. (A)	6,800	3,205
MTY Food Group, Inc.	742	33,780
Mullen Group, Ltd. (B)	7,082	60,644
New Gold, Inc. (A)	28,915	63,604
NFI Group, Inc. (B)	2,279	43,131
Norbord, Inc.	2,572	111,051
North American Construction Group, Ltd.	2,100	20,523
NuVista Energy, Ltd. (A)(B)	15,505	11,450
Onex Corp.	2,052	117,778
Osisko Gold Royalties, Ltd.	7,671	97,206
Pan American Silver Corp., CVR (A)	19,100	15,758
Paramount Resources, Ltd., Class A (A)(B)	5,173	20,320
Parex Resources, Inc. (A)	8,316	114,460
Park Lawn Corp. (B)	1,792	39,334
Parkland Corp. (B)	5,210	165,317
Pason Systems, Inc.	5,636	34,890
Peyto Exploration & Development Corp. (B)	10,197	23,392
Pinnacle Renewable Energy, Inc.	1,400	9,998
Pizza Pizza Royalty Corp.	1,729	12,497
Polaris Infrastructure, Inc.	1,500	20,870
PolyMet Mining Corp. (A)(B)	1,185	3,966
PrairieSky Royalty, Ltd. (B)	9,727	77,104
Precision Drilling Corp. (A)	1,082	17,791
Premier Gold Mines, Ltd. (A)	4,127	9,759

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Premium Brands Holdings Corp. (B)	1,400	\$ 110,788
Pretium Resources, Inc. (A)	8,300	95,135
Quarterhill, Inc.	9,800	19,709
Questerre Energy Corp., Class A (A)(B)	19,444	3,590
Real Matters, Inc. (A)	3,500	52,820
Recipe Unlimited Corp.	1,300	17,107
RF Capital Group, Inc.	1,848	2,526
Richelieu Hardware, Ltd.	3,100	80,465
Rogers Sugar, Inc. (B)	6,474	28,533
Roxgold, Inc. (A)	19,200	24,285
Russel Metals, Inc.	3,846	68,677
Sabina Gold & Silver Corp. (A)	20,475	52,921
Sandstorm Gold, Ltd. (A)	12,031	86,199
Savaria Corp. (B)	2,300	26,128
Seabridge Gold, Inc. (A)	1,222	25,709
Secure Energy Services, Inc.	5,954	11,507
Seven Generations Energy, Ltd., Class A (A)(B)	11,092	57,599
ShawCor, Ltd.	4,173	11,540
Sienna Senior Living, Inc. (B)	3,606	40,057
Sierra Wireless, Inc. (A)	2,600	37,829
Sleep Country Canada Holdings, Inc. (D)	2,813	58,496
SNC-Lavalin Group, Inc.	2,975	50,787
Spin Master Corp. (A)(D)	1,400	31,907
Sprott, Inc.	1,329	38,589
SSR Mining, Inc. (A)(B)	12,740	255,821
Stantec, Inc. (B)	5,278	171,165
Stella-Jones, Inc.	2,400	87,259
Storm Resources, Ltd. (A)	9,300	15,927
SunOpta, Inc. (A)	5,608	65,513
Superior Plus Corp. (B)	9,057	86,664
Surge Energy, Inc.	21,600	5,091
Tamarack Valley Energy, Ltd. (A)	11,685	11,658
Taseko Mines, Ltd. (A)	16,100	20,996
Teranga Gold Corp. (A)	6,581	70,623
Tervita Corp. (A)	616	1,403
TFI International, Inc. (B)	3,885	200,003
The North West Company, Inc.	1,606	40,929
Tidewater Midstream and Infrastructure, Ltd. (B)	6,650	4,284
Timbercreek Financial Corp. (B)	6,000	40,773
TLC Vision Corp. (A)	3,400	0
TORC Oil & Gas, Ltd.	13,180	28,267
Torex Gold Resources, Inc. (A)	5,460	81,885
Toromont Industries, Ltd.	382	26,769
Total Energy Services, Inc. (A)	3,132	8,071
Tourmaline Oil Corp.	11,571	155,989
TransAlta Corp.	16,382	124,451
TransAlta Renewables, Inc. (B)	6,998	119,630
Transcontinental, Inc., Class A (B)	3,683	59,343
Trevali Mining Corp. (A)(B)	37,134	5,689
Trican Well Service, Ltd. (A)	26,009	34,327
Tricon Residential, Inc.	5,668	50,896
Trisura Group, Ltd. (A)	300	20,992
Turquoise Hill Resources, Ltd. (A)	3,950	49,123
Uni-Select, Inc.	3,401	21,669
Vecima Networks, Inc.	479	5,381
Wajax Corp.	1,300	17,454
Wesdome Gold Mines, Ltd. (A)	8,000	66,745
West Fraser Timber Company, Ltd.	2,836	182,204
Western Forest Products, Inc.	25,850	25,994
Westshore Terminals Investment Corp. (B)	1,589	19,461
Whitecap Resources, Inc. (B)	27,868	106,402
WildBrain, Ltd. (A)(B)	10,382	14,600
Winpak, Ltd.	1,577	53,050

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Canada (continued)		
Yamana Gold, Inc.	34,116	\$ 194,849
Yellow Pages, Ltd.	200	1,969
Zenith Capital Corp. (A)	1,700	240
		12,053,170
China - 0.1%		
FIH Mobile, Ltd. (A)	195,000	23,931
Goodbaby International Holdings, Ltd. (A)	71,000	9,617
TK Group Holdings, Ltd.	26,000	8,380
Yangzijiang Shipbuilding Holdings, Ltd.	23,200	16,771
		58,699
Denmark - 2.5%		
ALK-Abello A/S (A)	301	123,984
Alm Brand A/S	2,824	34,013
Amagerbanken A/S (A)(C)	25,580	0
Ambu A/S, Class B	1,568	67,360
Bang & Olufsen A/S (A)	7,788	43,002
Bavarian Nordic A/S (A)	2,244	68,415
Chemometec A/S	178	16,906
D/S Norden A/S	2,246	40,623
Dfds A/S (A)	1,797	81,647
FLSmidth & Company A/S (A)	1,871	71,545
H+H International A/S, Class B (A)	1,146	24,800
INVISIO AB	481	14,522
ISS A/S (A)	4,208	72,384
Jeudan A/S (A)	380	15,475
Jyske Bank A/S (A)	2,627	100,310
Lan & Spar Bank A/S	225	18,093
Matas A/S (A)	2,910	41,056
Netcompany Group A/S (A)(D)	688	70,553
Nilfisk Holding A/S (A)	903	19,337
NKT A/S (A)	2,845	126,724
NNIT A/S (D)	479	9,558
Pandora A/S	4,061	454,500
Per Aarsleff Holding A/S	1,380	69,179
Ringkjoebing Landbobank A/S	1,445	131,512
Rockwool International A/S, A Shares	83	27,852
Rockwool International A/S, B Shares	377	141,095
Royal Unibrew A/S	2,332	270,043
Scandinavian Tobacco Group A/S (D)	2,633	44,903
Schouw & Company A/S	666	67,339
SimCorp A/S	2,011	298,988
Solar A/S, B Shares	410	24,132
Spar Nord Bank A/S (A)	4,967	48,664
Sydbank AS (A)	3,132	69,393
The Drilling Company of 1972 A/S (A)	190	5,950
Tivoli A/S (A)	102	12,230
Topdanmark AS	2,221	96,405
United International Enterprises, Ltd.	128	29,681
Vestjysk Bank A/S (A)	23,113	10,516
Zealand Pharma A/S (A)(B)	1,273	46,561
		2,909,250
Finland - 2.8%		
Adapteo OYJ (A)	1,982	22,954
Ahlstrom-Munksjo OYJ	4,382	96,913
Aktia Bank OYJ	2,328	27,851
Alma Media OYJ	1,962	21,466
BasWare OYJ (A)	538	27,612
Bittium OYJ	2,708	19,242
Cargotec OYJ, B Shares	2,007	83,392
Caverion OYJ	3,325	23,597
Citycon OYJ	5,523	53,827
Enento Group OYJ (A)(D)	860	35,481
Ferratum OYJ (A)	459	2,837
Finnair OYJ (A)(B)	44,891	41,317

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Finland (continued)		
Fiskars OYJ ABP	2,196	\$ 40,294
F-Secure OYJ (A)	7,159	33,601
HKScan OYJ, A Shares (A)	316	759
Huhtamaki OYJ	4,921	255,200
Kemira OYJ	5,531	87,667
Kesko OYJ, A Shares	1,837	44,912
Kesko OYJ, B Shares	3,515	90,218
Kojamo OYJ	3,423	75,974
Konecranes OYJ	3,667	129,635
Lassila & Tikanoja OYJ	1,929	35,595
Lehto Group OYJ (A)	1,738	2,885
Metsa Board OYJ	10,846	114,215
Metso Outotec OYJ	32,867	330,238
Neles OYJ	6,038	80,075
Nokian Renkaat OYJ	6,362	224,073
Olvi OYJ, A Shares	721	42,645
Oriola OYJ, B Shares	9,290	21,585
Orion OYJ, Class A	1,226	56,015
Orion OYJ, Class B	4,866	223,518
Outokumpu OYJ (A)(B)	11,683	46,055
Pihlajalinna OYJ (A)	1,193	13,695
Ponsse OYJ	543	19,334
QT Group OYJ (A)	770	53,956
Raisio OYJ, V Shares	8,267	32,267
Revenio Group OYJ	643	39,502
Sanoma OYJ	4,094	68,677
Terveystalo OYJ (D)	2,161	26,547
TietoEVRY OYJ	3,016	99,238
Tikkurila OYJ	2,016	61,595
Tokmanni Group Corp.	2,813	55,683
Uponor OYJ	2,026	45,099
Vaisala OYJ, A Shares	952	46,985
Valmet OYJ	6,664	191,592
Wartsila OYJ ABP	6,068	60,731
YIT OYJ (B)	8,449	50,993
		3,257,542
France - 3.8%		
ABC arbitrage	1,202	10,683
AKWEL	725	20,163
Albioma SA	1,751	100,176
ALD SA (D)	987	13,778
Altamir	752	18,303
Alten SA (A)	1,382	156,708
Assystem SA	1,078	32,247
Aubay	399	16,698
Axway Software SA (A)	531	17,514
Bastide le Confort Medical (A)	256	15,853
Beneteau SA	2,839	32,597
Boiron SA	274	13,813
Bonduelle SCA	1,027	26,029
Burelle SA	15	14,562
Casino Guichard Perrachon SA (A)(B)	2,173	66,800
Cegedim SA (A)	186	5,803
CGG SA (A)	29,813	29,210
Chargeurs SA (B)	1,414	30,544
Cie Plastic Omnium SA	3,159	108,694
Coface SA (A)	5,646	56,598
Derichebourg SA	6,625	47,404
Electricite de Strasbourg SA	31	4,465
Elior Group SA (D)	4,760	31,995
Elis SA (A)	6,449	106,834
Eramet SA (A)	445	23,304
Etablissements Maurel et Prom SA (A)	1,561	3,303
Europcar Mobility Group (A)(B)(D)	5,117	4,676
Eutelsat Communications SA	9,105	102,999

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
France (continued)		
Exel Industries SA, A Shares (A)	89	\$ 6,603
Faurecia SE (A)	2,702	138,441
Fnac Darty SA (A)	1,390	89,004
Gaztransport Et Technigaz SA	1,087	105,306
Groupe Crit (A)	163	12,459
Haulotte Group SA	962	7,085
ID Logistics Group (A)	176	48,712
Imerys SA	1,434	67,607
Ipsen SA	706	58,378
IPSOS	1,620	54,670
JCDecaux SA (A)	1,852	42,246
Kaufman & Broad SA	901	40,509
Korian SA (A)	3,175	121,537
Lagardere SCA (A)	3,040	76,051
Laurent-Perrier	110	10,089
Lectra	1,346	41,113
LISI (A)	1,205	29,575
Maisons du Monde SA (A)(D)	1,925	35,242
Manitou BF SA	880	25,667
Manutan International	105	9,312
Mersen SA (A)	1,171	35,493
Metropole Television SA (A)	1,324	21,462
Neoen SA (A)(B)(D)	922	70,794
Nexans SA (A)	2,031	146,962
Nexity SA	1,974	85,247
NRJ Group (A)	782	5,812
Onxeo SA (A)(B)	4,617	3,790
Orpea SA (A)	629	82,482
Pierre Et Vacances SA (A)	142	2,549
Plastivaloire (A)	383	3,408
Quadiant SA	2,721	52,267
Recylex SA (A)(C)	1,058	2,389
Rexel SA (A)	15,736	248,365
Robertet SA	28	30,902
Rothschild & Company (A)	1,372	42,962
Rubis SCA	3,635	168,039
Savencia SA (A)	372	27,436
SCOR SE (A)	4,394	142,525
Societe BIC SA (B)	1,252	70,824
Societe pour l'Informatique Industrielle	438	13,334
SOITEC (A)	1,176	228,053
Solocal Group (A)	6,121	19,891
Somfy SA	326	55,151
Sopra Steria Group (A)	705	113,640
SPIE SA (A)	6,716	146,426
Stef SA	202	17,990
Synergie SA (A)	557	21,724
Tarkett SA (A)	1,942	34,175
Technicolor SA (A)	685	1,514
Television Francaise 1 (A)	3,803	30,564
Thermador Groupe	453	35,438
Trigano SA	463	81,903
Valeo SA	1,391	54,867
Vallourec SA (A)(B)	493	16,095
Valneva SE (A)(B)	2,831	26,783
Vetoquinol SA	56	5,708
Vicat SA	789	33,063
VIEL & Cie SA	3,220	23,329
Vilmorin & Cie SA	614	36,826
Virbac SA (A)	180	52,221
		4,423,762
Gabon - 0.0%		
Total Gabon	20	3,222
Georgia - 0.0%		
Bank of Georgia Group PLC (A)	2,491	41,723

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Georgia (continued)		
Georgia Capital PLC (A)	1,145	\$ 8,412
TBC Bank Group PLC (A)	239	4,077
		54,212
Germany - 6.1%		
1&1 Drillisch AG	2,192	54,662
Aareal Bank AG (A)	2,902	69,818
ADLER Group SA (A)(D)	2,984	105,842
ADVA Optical Networking SE (A)	3,719	32,215
AIXTRON SE (A)	3,257	56,638
Allgeier SE (B)	498	11,290
Atoss Software AG	218	42,096
Aurubis AG	2,018	157,481
Basler AG	162	14,259
BayWa AG	1,025	41,655
Bechtle AG	424	93,106
Bertrandt AG	394	19,165
Bijou Brigitte AG (A)	340	9,427
Bilfinger SE	1,781	56,579
Borussia Dortmund GmbH & Company KGaA (A)	3,564	23,552
CANCOM SE	1,836	102,780
CECONOMY AG (A)	8,144	55,934
CENIT AG (A)	446	6,864
Cewe Stiftung & Company KGAA	406	45,950
Commerzbank AG (A)	34,135	220,595
CompuGroup Medical SE & Company KgaA	1,135	109,515
CropEnergies AG	1,544	22,500
CTS Eventim AG & Company KGaA (A)	2,927	195,643
Dermapharm Holding SE	130	9,051
Deutsche Beteiligungs AG	854	34,341
Deutsche EuroShop AG (A)	2,527	57,210
Deutsche Pfandbriefbank AG (A)(D)	7,700	83,761
Deutz AG (A)	7,260	45,368
DIC Asset AG	3,005	49,515
Dr. Hoenle AG	420	28,184
Draegerwerk AG & Company KGaA	82	6,082
Duerr AG (B)	2,558	104,596
Eckert & Ziegler Strahlen- und Medizintechnik AG	653	35,762
Elmos Semiconductor SE	392	13,157
ElringKlinger AG (A)(B)	2,576	50,088
Evotec SE (A)(B)	4,392	162,292
Fielmann AG (A)	1,241	101,022
First Sensor AG	676	33,406
Freenet AG	6,277	132,014
FUCHS PETROLUB SE	1,085	50,105
GEA Group AG	6,434	230,125
Gerresheimer AG	1,721	185,589
GFT Technologies SE	961	13,980
GRENKE AG	500	23,584
H&R GmbH & Company KGaA (A)	1,324	8,872
Hamburger Hafen und Logistik AG	1,330	30,094
Heidelberger Druckmaschinen AG (A)(B)	18,003	17,536
Hella GmbH & Company KGaA (A)	2,112	137,263
HOCHTIEF AG (B)	617	60,041
Hornbach Baumarkt AG	921	40,245
Hornbach Holding AG & Company KGaA	697	67,179
HUGO BOSS AG	3,312	110,053
Hypoport SE (A)	95	60,370
Indus Holding AG	975	38,187
Instone Real Estate Group AG (A)(D)	1,769	45,163
Jenoptik AG	2,990	91,329
JOST Werke AG (A)(D)	356	18,691
K+S AG	10,944	104,973

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Germany (continued)		
Kloeckner & Company SE (A)	5,538	\$ 54,161
Koenig & Bauer AG (A)	912	26,911
Krones AG	775	62,480
KWS Saat SE & Company KGaA	381	30,264
LANXESS AG	4,224	321,236
Leifheit AG	437	23,200
Leoni AG (A)(B)	2,398	19,413
LPKF Laser & Electronics AG	1,100	39,525
Manz AG (A)(B)	233	9,715
Medigene AG (A)	760	3,278
METRO AG	3,100	34,821
MLP SE	5,864	38,436
Nagarro SE (A)	498	55,362
New Work SE	128	44,047
Nexus AG	866	54,020
Nordex SE (A)(B)	4,553	124,483
Norma Group SE	1,379	71,142
OHB SE (A)	399	18,790
PATRIZIA AG	2,719	87,344
Pfeiffer Vacuum Technology AG	256	49,379
PNE AG	4,544	44,106
ProSiebenSat.1 Media SE (A)	10,428	175,564
PSI Software AG	815	24,139
q.beyond AG	6,549	13,469
Rheinmetall AG	2,219	234,941
SAF-Holland SE (A)	4,007	54,722
Salzgitter AG (A)	1,978	52,117
SGL Carbon SE (A)	1,013	4,471
Siltronic AG (B)	981	153,409
Sixt SE (A)	694	82,916
SMA Solar Technology AG (A)	916	62,944
Software AG	2,610	106,827
STRATEC SE	407	60,930
Stroer SE & Company KGaA (B)	1,454	143,689
Suedzucker AG	3,535	50,488
SUESS MicroTec SE (A)	1,803	41,535
TAG Immobilien AG (A)	6,907	220,415
Takkt AG	2,476	32,267
Technotrans SE (A)	530	16,183
Tele Columbus AG (A)(D)	1,029	4,066
thyssenkrupp AG (A)	7,095	70,305
Traffic Systems SE	106	4,313
Varta AG (A)(B)	239	34,459
VERBIO Vereinigte BioEnergie AG	1,482	55,609
Vossloh AG (A)	859	43,708
Wacker Chemie AG	759	108,738
Wacker Neuson SE (A)	2,553	55,317
Washtec AG (A)	611	32,903
Wuestenrot & Wuerttembergische AG	1,566	31,467
Zeal Network SE	349	19,627
zooplus AG (A)	147	30,782
		7,061,227
Gibraltar - 0.0%		
888 Holdings PLC	12,231	47,871
Greece - 0.0%		
Alapis Holding Industrial & Commercial SA of Pharmaceutical Chemical Products (A)(C)	3,303	74
TT Hellenic Postbank SA (A)(C)	12,594	0
		74
Guernsey, Channel Islands - 0.0%		
Burford Capital, Ltd. (A)	2,002	19,466
Raven Property Group, Ltd. (A)	5,155	1,981
		21,447

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong - 2.3%		
3D-Gold Jewellery Holdings, Ltd. (A)(C)	90,000	\$ 0
Allied Group, Ltd.	120,000	49,846
APAC Resources, Ltd.	15,396	1,689
Apollo Future Mobility Group, Ltd. (A)	56,000	5,568
Asia Financial Holdings, Ltd.	14,000	6,858
ASM Pacific Technology, Ltd.	7,600	100,371
Associated International Hotels, Ltd.	28,000	49,513
BOE Varitronix, Ltd.	18,000	6,625
Bright Smart Securities & Commodities Group, Ltd.	26,000	7,250
Brightoil Petroleum Holdings, Ltd. (A)(C)	117,000	13,017
Burwill Holdings, Ltd. (A)(C)	292,000	2,674
Cafe de Coral Holdings, Ltd.	18,000	38,826
Camsing International Holding, Ltd. (A)(C)	16,000	2,394
Chen Hsong Holdings	10,000	2,845
Cheuk Nang Holdings, Ltd.	3,708	1,419
China Energy Development Holdings, Ltd. (A)	634,000	10,467
China Solar Energy Holdings, Ltd. (A)(C)	42,500	0
China Strategic Holdings, Ltd. (A)	885,000	28,537
Chinese Estates Holdings, Ltd.	22,000	10,722
Chong Hing Bank, Ltd.	10,000	12,154
Chow Sang Sang Holdings International, Ltd.	22,000	24,979
Chuang's Consortium International, Ltd.	30,948	3,782
CITIC Telecom International Holdings, Ltd.	59,000	18,567
CMBC Capital Holdings, Ltd.	430,000	7,436
CSI Properties, Ltd.	245,066	7,388
Dah Sing Banking Group, Ltd.	18,000	18,500
Dah Sing Financial Holdings, Ltd.	6,520	18,392
Dynamic Holdings, Ltd.	8,000	14,984
EganaGoldpfeil Holdings, Ltd. (A)(C)	103,373	0
Emperor Capital Group, Ltd. (A)	192,000	3,198
Emperor Entertainment Hotel, Ltd.	40,000	5,475
Emperor International Holdings, Ltd.	97,333	13,809
Esprit Holdings, Ltd. (A)	117,900	17,223
Fairwood Holdings, Ltd.	3,500	7,995
Far East Consortium International, Ltd.	85,206	31,609
First Pacific Company, Ltd.	146,000	46,943
Giordano International, Ltd.	82,000	12,084
Gold-Finance Holdings, Ltd. (A)(C)	62,000	576
Great Eagle Holdings, Ltd.	10,000	27,480
G-Resources Group, Ltd. (A)	2,014,800	12,493
Guotai Junan International Holdings, Ltd.	207,000	27,779
Haitong International Securities Group, Ltd.	114,070	27,511
Hang Lung Group, Ltd.	31,000	77,061
Hanison Construction Holdings, Ltd.	27,441	3,431
Harbour Centre Development, Ltd.	38,000	35,392
HKBN, Ltd.	36,000	55,763
HKR International, Ltd.	51,920	21,431
Hong Kong Ferry Holdings Company, Ltd.	29,000	22,938
Hongkong Chinese, Ltd.	66,000	5,782
Hsin Chong Group Holdings, Ltd. (A)(C)	170,000	7,675
Hutchison Port Holdings Trust	161,400	31,981
Hutchison Telecommunications Hong Kong Holdings, Ltd.	80,000	11,972
Hysan Development Company, Ltd.	25,000	91,570
IT, Ltd. (A)	44,601	16,077
Johnson Electric Holdings, Ltd.	20,500	50,765
K Wah International Holdings, Ltd.	80,000	38,467
Kerry Logistics Network, Ltd.	24,000	52,675
Kerry Properties, Ltd.	28,500	72,084
Kingston Financial Group, Ltd.	38,000	3,335

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Kowloon Development Company, Ltd.	22,000	\$ 22,991
Lai Sun Development Company, Ltd. (A)	15,320	12,156
Landing International Development, Ltd. (A)	75,600	1,970
Langham Hospitality Investments and Langham Hospitality Investments, Ltd.	22,500	2,966
Lifestyle International Holdings, Ltd. (A)	25,000	19,856
Lippo China Resources, Ltd.	36,000	570
Liu Chong Hing Investment, Ltd.	16,000	14,520
Luk Fook Holdings International, Ltd.	15,000	36,214
Man Wah Holdings, Ltd.	21,600	46,854
Mandarin Oriental International, Ltd. (A)	8,000	13,614
Mason Group Holdings, Ltd. (A)	1,548,800	5,978
Melco International Development, Ltd.	33,000	64,269
Midland Holdings, Ltd. (A)	34,734	3,315
Midland IC&I, Ltd. (A)	29,523	385
Miramar Hotel & Investment	15,000	25,170
NewOcean Energy Holdings, Ltd. (A)(B)	66,000	5,961
NWS Holdings, Ltd.	52,000	48,317
Oshidori International Holdings, Ltd. (A)	204,000	16,087
Pacific Andes International Holdings, Ltd. (A)(C)	328,006	0
Pacific Basin Shipping, Ltd.	294,000	55,460
Pacific Century Premium Developments, Ltd. (A)	2,376	250
Pacific Textiles Holdings, Ltd.	42,000	27,589
Paliburg Holdings, Ltd.	46,000	12,039
PCCW, Ltd.	104,590	62,984
Peace Mark Holdings, Ltd. (A)(C)	164,000	0
Perfect Shape Medical, Ltd.	32,000	13,317
Pico Far East Holdings, Ltd.	60,000	10,765
Polytec Asset Holdings, Ltd.	210,940	23,954
Public Financial Holdings, Ltd.	24,000	6,500
PYI Corp., Ltd. (A)	74,400	2,681
Regal Hotels International Holdings, Ltd.	36,000	12,692
Regina Miracle International Holdings, Ltd. (D)	17,000	5,578
Sa Sa International Holdings, Ltd. (A)	64,847	10,143
SEA Holdings, Ltd.	19,268	18,488
Shangri-La Asia, Ltd. (A)	46,000	41,096
Shenwan Hongyuan HK, Ltd.	20,000	2,633
Shun Tak Holdings, Ltd.	80,250	24,556
Singamas Container Holdings, Ltd.	114,000	8,097
SITC International Holdings Company, Ltd.	51,000	110,143
SmarTone Telecommunications Holdings, Ltd.	31,500	16,818
South China Holdings Company, Ltd. (A)	640,000	12,368
Stella International Holdings, Ltd.	20,000	23,228
Summit Ascent Holdings, Ltd. (A)	90,000	8,726
Sun Hung Kai & Company, Ltd.	45,000	18,978
SUNeVision Holdings, Ltd.	18,000	16,384
TAI Cheung Holdings, Ltd.	33,000	20,132
Tao Heung Holdings, Ltd.	14,000	1,482
Television Broadcasts, Ltd.	19,100	19,686
Texwinca Holdings, Ltd.	60,000	11,537
The Hongkong & Shanghai Hotels, Ltd.	31,903	28,439
The United Laboratories International Holdings, Ltd.	42,000	29,768
Town Health International Medical Group, Ltd. (A)(B)(C)	261,361	12,213
Tradelink Electronic Commerce, Ltd.	50,000	6,130
Transport International Holdings, Ltd.	11,721	22,648
Upbest Group, Ltd.	164,000	19,076
Value Partners Group, Ltd.	27,000	14,235

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hong Kong (continued)		
Vitasoy International Holdings, Ltd.	18,000	\$ 70,113
VSTECs Holdings, Ltd.	45,200	37,100
VTech Holdings, Ltd.	6,900	53,556
Wai Kee Holdings, Ltd.	24,000	11,806
Wealthking Investments, Ltd. (A)	32,000	3,470
Wing On Company International, Ltd.	4,000	8,676
Wing Tai Properties, Ltd.	70,000	32,376
YT Realty Group, Ltd.	9,152	2,367
Yue Yuen Industrial Holdings, Ltd.	30,000	62,487
Zhaobangji Properties Holdings, Ltd. (A)	88,000	10,925
		2,662,259
Ireland - 0.5%		
Bank of Ireland Group PLC (A)	25,675	103,649
C&C Group PLC (A)	13,557	42,205
Cairn Homes PLC (A)	9,684	11,540
FBD Holdings PLC (A)	778	7,116
Glanbia PLC	5,573	70,779
Grafton Group PLC (A)	12,147	153,470
Greencore Group PLC	23,830	37,988
Hostelworld Group PLC (A)(D)	3,065	3,298
Irish Continental Group PLC	5,309	29,088
UDG Healthcare PLC	11,802	125,974
		585,107
Isle of Man - 0.1%		
Hansard Global PLC	6,816	4,198
Playtech PLC (A)	17,326	95,178
Strix Group PLC	6,042	18,228
		117,604
Israel - 1.3%		
AFI Properties, Ltd. (A)	603	24,678
Allot, Ltd. (A)	2,103	22,230
Alrov Properties and Lodgings, Ltd. (A)	399	15,026
Astrom Group, Ltd.	2,084	41,243
Azorim-Investment Development & Construction Company, Ltd. (A)	3,848	13,261
Bet Shemesh Engines Holdings 1997, Ltd. (A)	358	8,000
Big Shopping Centers, Ltd. (A)	381	42,434
Blue Square Real Estate, Ltd.	215	13,855
Camtek, Ltd. (A)	1,035	23,075
Cellcom Israel, Ltd. (A)	1,966	9,721
Cellcom Israel, Ltd. (New York Stock Exchange) (A)	825	4,001
Clal Insurance Enterprises Holdings, Ltd. (A)	1,967	30,872
Compugen, Ltd. (A)	1,251	15,309
Danel Adir Yeoshua, Ltd.	134	22,118
Delek Automotive Systems, Ltd.	1,858	17,463
Delek Group, Ltd. (A)	92	2,873
Delta Galil Industries, Ltd.	618	15,688
El Al Israel Airlines (A)	24,289	5,007
Electra Consumer Products 1970, Ltd.	445	15,429
Electra, Ltd.	91	49,838
Enlight Renewable Energy, Ltd. (A)	25,384	53,020
Equital, Ltd. (A)	992	25,907
Formula Systems 1985, Ltd.	549	47,464
Fox Wizel, Ltd.	488	49,077
Gev-Yam Land, Ltd.	5,000	40,797
Gilat Satellite Networks, Ltd.	1,452	9,405
Hadera Paper, Ltd. (A)	244	12,931
Harel Insurance Investments & Financial Services, Ltd. (A)	4,995	46,119
Hilan, Ltd.	803	38,133
IDI Insurance Company, Ltd.	440	13,345

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Israel (continued)		
Inrom Construction Industries, Ltd.	2,183	\$ 10,642
Isracard, Ltd.	3,674	12,430
Isras Investment Company, Ltd.	142	29,770
Kamada, Ltd. (A)	1,616	10,403
Magic Software Enterprises, Ltd.	1,349	21,360
Matrix IT, Ltd.	2,095	47,482
Maytronics, Ltd.	1,808	27,228
Mediterranean Towers, Ltd.	4,044	11,419
Mega Or Holdings, Ltd.	757	23,116
Mehadrin, Ltd. (A)	15	646
Menora Mivtachim Holdings, Ltd. (A)	1,766	33,161
Migdal Insurance & Financial Holdings, Ltd. (A)	27,734	32,120
Mivne Real Estate KD, Ltd.	10,717	27,623
Mivtach Shamir Holdings, Ltd. (A)	397	10,848
Naphtha Israel Petroleum Corp., Ltd. (A)	2,030	9,740
Nova Measuring Instruments, Ltd. (A)	1,522	107,450
Novolog, Ltd.	20,186	19,305
Oil Refineries, Ltd. (A)	102,102	23,145
One Software Technologies, Ltd.	170	22,501
Partner Communications Company, Ltd. (A)	6,688	36,903
Paz Oil Company, Ltd.	525	56,330
Plasson Industries, Ltd.	241	11,796
Plus500, Ltd.	4,106	81,346
Rami Levy Chain Stores Hashikma Marketing 2006, Ltd.	449	31,457
Sano-Brunos Enterprises, Ltd.	145	11,819
Scope Metals Group, Ltd.	377	7,635
Shikun & Binui, Ltd. (A)	108	631
Shufersal, Ltd.	1,535	11,858
Summit Real Estate Holdings, Ltd. (A)	2,363	35,294
The Phoenix Holdings, Ltd. (A)	5,097	38,886
YH Dimri Construction & Development, Ltd.	285	13,310
		1,545,973
Italy - 3.4%		
A2A SpA	74,015	118,636
ACEA SpA	2,494	52,401
Amplifon SpA (A)(B)	3,081	128,065
Anima Holding SpA (D)	14,880	70,740
Aquafil SpA (A)	969	5,834
Arnoldo Mondadori Editore SpA (A)	12,613	23,374
Ascopiave SpA	4,243	18,773
Autogrill SpA (A)(B)	6,245	41,971
Avio SpA (A)	877	12,147
Azimut Holding SpA	5,291	114,994
Banca Farmafactoring SpA (D)	4,563	27,528
Banca Generali SpA	2,509	83,915
Banca IFIS SpA	1,607	18,116
Banca Mediolanum SpA (A)	3,386	29,415
Banca Popolare di Sondrio SCPA (A)	20,545	55,431
Banca Profilo SpA (B)	24,032	6,249
Banco BPM SpA (A)	97,273	215,823
Biesse SpA (A)	835	19,477
BPER Banca (A)(B)	68,618	125,096
Brunello Cucinelli SpA (A)(B)	1,411	61,612
Buzzi Unicem SpA	4,611	110,076
Buzzi Unicem SpA, Savings Shares	2,302	37,007
Cairo Communication SpA (A)	4,712	7,265
Cementir Holding NV	4,165	33,969
Cerved Group SpA (A)	8,475	77,146
CIR SpA-Compagnie Industriali (A)	60,979	32,848
Credito Emiliano SpA (A)	6,238	33,667
Credito Valtellinese SpA (A)	5,043	71,840

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Italy (continued)		
Danieli & C Officine Meccaniche SpA	788	\$ 13,916
De' Longhi SpA	2,476	77,979
DeA Capital SpA (A)	4,665	6,483
Enav SpA (D)	3,786	16,655
ERG SpA	2,242	64,415
Esprinet SpA (A)	3,554	46,965
Eurotech SpA (A)(B)	1,562	9,909
Fincantieri SpA (A)(B)	18,635	12,623
Freni Brembo SpA (A)	4,197	55,645
Geox SpA (A)(B)	8,390	8,173
Gruppo MutuiOnline SpA	2,096	88,739
Hera SpA	41,143	149,716
IMA Industria Macchine Automatiche SpA (A)	173	14,364
IMMSI SpA (A)	6,756	3,436
Interpump Group SpA	3,381	167,369
Iren SpA	30,720	80,181
Italgas SpA	21,638	137,834
Italmobiliare SpA	1,039	37,192
Juventus Football Club SpA (A)	30,558	30,352
Leonardo SpA (B)	10,796	78,035
Maire Tecnimont SpA (A)(B)	10,323	23,164
Mediaset SpA (A)	18,917	48,281
Mediobanca Banca di Credito Finanziario SpA (A)	11,214	103,805
OVS SpA (A)(B)(D)	9,134	11,827
Piaggio & C SpA	11,658	38,524
Pirelli & C. SpA (A)(B)(D)	17,419	94,430
Prima Industrie SpA (A)	178	3,039
Prysmian SpA	4,127	146,890
RAI Way SpA (D)	5,678	38,032
Reno de Medici SpA	15,969	18,959
Reply SpA	832	97,407
Retelit SpA	7,126	19,287
Safilo Group SpA (A)	2,378	2,322
Saipem SpA	30,422	82,580
Saras SpA (A)(B)	28,012	20,429
Sesa SpA (A)	320	40,388
Societa Cattolica di Assicurazioni SC (A)(B)	7,555	42,265
Sogefi SpA (A)	3,551	5,148
SOL SpA	2,802	48,075
Tamburi Investment Partners SpA	5,435	45,568
Technogym SpA (A)(D)	3,895	44,091
Tinexta SpA (A)	1,069	27,396
Tod's SpA (A)	590	20,618
Unieuro SpA (A)(D)	707	11,913
Unipol Gruppo SpA (A)	18,665	89,692
UnipolSai Assicurazioni SpA	4,295	11,389
Webuild SpA (B)	14,544	21,111
Zignago Vetro SpA	1,669	27,822
		3,917,848
Japan - 21.7%		
Access Company, Ltd.	2,300	16,396
Achilles Corp.	1,000	13,728
Adastria Company, Ltd.	920	18,471
ADEKA Corp.	4,700	82,185
Advan Company, Ltd.	1,000	11,669
Aeon Delight Company, Ltd.	800	20,840
Aeon Fantasy Company, Ltd.	400	9,445
AEON Financial Service Company, Ltd.	900	10,794
Aeon Hokkaido Corp.	1,800	17,048
Aeria, Inc. (B)	700	2,950
Ai Holdings Corp.	1,900	38,295
Aica Kogyo Company, Ltd.	400	13,846

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Aichi Corp.	3,200	\$ 28,450
Aichi Steel Corp.	700	18,726
Aida Engineering, Ltd.	4,500	42,187
Aiful Corp. (A)	15,500	37,268
Ain Holdings, Inc.	200	12,356
Airport Facilities Company, Ltd.	1,200	5,538
Aisan Industry Company, Ltd.	2,500	11,631
Aizawa Securities Company, Ltd.	2,400	17,187
Akatsuki, Inc.	400	16,060
Akebono Brake Industry Company, Ltd. (A)	9,400	11,403
Albis Company, Ltd.	500	12,261
Alconix Corp.	1,600	22,675
Alpen Company, Ltd. (B)	1,100	25,247
Altech Corp.	1,100	22,405
Amano Corp.	1,800	43,116
Anest Iwata Corp.	1,800	18,475
AOI TYO Holdings, Inc.	1,200	4,961
AOKI Holdings, Inc.	3,100	15,568
Aoyama Trading Company, Ltd. (A)	2,500	13,065
Aozora Bank, Ltd. (B)	1,300	24,038
Arakawa Chemical Industries, Ltd.	1,400	16,060
Arata Corp.	700	33,265
Arcland Sakamoto Company, Ltd.	1,700	28,222
Arcland Service Holdings Company, Ltd. (B)	1,000	20,969
Arcs Company, Ltd.	2,625	59,152
Arealink Company, Ltd.	500	4,583
Argo Graphics, Inc.	1,000	31,375
Arisawa Manufacturing Company, Ltd.	2,900	27,010
Aruhi Corp.	900	15,812
Asahi Company, Ltd.	800	12,585
Asahi Diamond Industrial Company, Ltd.	3,900	16,982
Asahi Holdings, Inc.	1,800	64,009
ASAHI YUKIZAI Corp.	1,200	17,592
Asanuma Corp.	700	27,031
Asia Pile Holdings Corp.	3,300	15,175
ASKA Pharmaceutical Company, Ltd.	1,600	24,746
ASKUL Corp.	500	18,658
Ateam, Inc.	800	8,342
Atom Corp.	5,000	42,200
Atsugi Company, Ltd.	1,200	5,842
Autobacs Seven Company, Ltd.	3,000	41,574
Avex, Inc.	2,500	27,740
Axell Corp.	100	689
Axial Retailing, Inc.	800	38,962
Bando Chemical Industries, Ltd.	2,500	15,627
Bank of the Ryukyus, Ltd.	3,000	22,205
BayCurrent Consulting, Inc.	300	52,648
Belc Company, Ltd.	500	30,226
Bell System24 Holdings, Inc.	2,400	37,668
Belluna Company, Ltd.	3,300	36,347
Benesse Holdings, Inc.	400	7,815
BeNEXT Group, Inc.	800	9,925
BML, Inc.	1,000	31,081
Bourbon Corp.	500	9,688
Broadleaf Company, Ltd. (B)	4,600	30,417
Bunka Shutter Company, Ltd.	5,000	47,204
C Uyemura & Company, Ltd.	400	28,673
Can Do Company, Ltd.	900	16,541
Canon Electronics, Inc.	1,700	24,723
Carlit Holdings Company, Ltd.	2,100	13,879
Cawachi, Ltd.	900	25,634
Central Glass Company, Ltd.	1,900	41,426
Central Security Patrols Company, Ltd.	300	10,437

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Central Sports Company, Ltd.	600	\$ 12,655
Chilled & Frozen Logistics Holdings Company, Ltd.	1,600	31,500
Chino Corp.	400	5,461
Chiyoda Company, Ltd.	800	7,101
Chiyoda Integre Company, Ltd.	800	13,512
Chofu Seisakusho Company, Ltd.	1,700	34,318
Chori Company, Ltd.	1,200	18,232
Chubu Shiryō Company, Ltd.	2,000	27,119
Chudenko Corp.	1,900	40,634
Chuetsu Pulp & Paper Company, Ltd.	500	5,848
Chugai Ro Company, Ltd.	500	8,181
Chugoku Marine Paints, Ltd.	4,000	40,319
CI Takiron Corp.	3,000	20,071
Citizen Watch Company, Ltd.	16,000	45,685
Cleanup Corp.	2,100	9,757
CMIC Holdings Company, Ltd.	1,200	15,779
CMK Corp.	3,700	14,477
cocokara fine, Inc.	840	62,039
Colowide Company, Ltd.	1,000	15,843
Computer Engineering & Consulting, Ltd.	1,800	26,469
Comture Corp.	1,000	28,318
CONEXIO Corp.	1,300	18,026
Corona Corp.	300	2,705
Cosel Company, Ltd.	1,200	14,637
Cosmo Energy Holdings Company, Ltd.	2,900	51,673
Cota Company, Ltd.	440	6,015
Create Restaurants Holdings, Inc. (B)	5,000	30,098
Credit Saison Company, Ltd.	1,100	12,664
CTS Company, Ltd.	1,900	17,669
Curves Holdings Company, Ltd.	2,000	14,968
Cybozu, Inc.	900	22,496
Dai Nippon Toryo Company, Ltd.	1,200	11,189
Daibiru Corp.	3,400	43,083
Daicel Corp.	3,000	21,928
Dai-Dan Company, Ltd.	1,000	28,854
Daido Metal Company, Ltd.	1,900	9,414
Daido Steel Company, Ltd.	1,600	66,891
Daidoh, Ltd.	2,000	3,355
Daihen Corp.	1,100	53,580
Daiho Corp.	1,200	42,373
Daiichi Jitsugyo Company, Ltd.	400	15,933
Daiichi Kigenso Kagaku-Kogyo Company, Ltd.	1,800	14,762
Daiichikosho Company, Ltd.	1,000	34,600
Daiken Corp.	1,000	16,985
Daiken Medical Company, Ltd.	400	2,077
Daiki Aluminium Industry Company, Ltd.	3,000	22,775
Daikoku Denki Company, Ltd.	800	6,697
Daikokutenbussan Company, Ltd.	300	19,991
Daikyonishikawa Corp.	1,900	15,365
Dainichiseika Color & Chemicals Manufacturing Company, Ltd.	300	7,010
Daiseki Company, Ltd.	1,800	52,853
Daishi Hokuetsu Financial Group, Inc.	2,700	58,218
Daito Pharmaceutical Company, Ltd.	700	25,270
Daiwa Industries, Ltd.	2,000	20,411
Daiwabo Holdings Company, Ltd.	800	71,217
DCM Holdings Company, Ltd.	6,500	74,302
DeNA Company, Ltd.	2,200	39,162
Densan System Company, Ltd. (B)	700	21,716
Denyo Company, Ltd.	900	18,783
Dexerials Corp.	3,500	45,831
Digital Arts, Inc.	400	36,879
Digital Garage, Inc.	500	20,660

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Digital Hearts Holdings Company, Ltd.	900	\$ 10,906
Dip Corp.	1,900	50,770
DKK Company, Ltd.	1,000	25,985
DKS Company, Ltd.	400	16,793
DMG Mori Company, Ltd. (B)	4,600	70,164
Doshisha Company, Ltd.	1,700	32,106
Doutor Nichires Holdings Company, Ltd.	2,300	33,076
Dowa Holdings Company, Ltd.	1,000	36,251
DTS Corp.	1,800	37,124
Duskin Company, Ltd.	2,100	58,519
DyDo Group Holdings, Inc. (B)	700	36,364
Eagle Industry Company, Ltd.	2,200	21,165
Earth Corp. (B)	500	28,202
EDION Corp. (B)	5,000	50,844
eGuarantee, Inc.	1,300	28,337
E-Guardian, Inc.	900	26,363
Eiken Chemical Company, Ltd.	1,800	35,883
Eizo Corp.	800	28,233
Elan Corp.	2,800	40,723
Elecom Company, Ltd.	800	41,313
Elematec Corp.	1,400	13,757
Enigmo, Inc.	2,400	28,760
en-japan, Inc.	800	24,032
Enplas Corp.	1,100	41,623
EPS Holdings, Inc.	1,800	17,048
eRex Company, Ltd.	1,900	38,310
ESPEC Corp.	1,600	32,069
Exedy Corp.	1,900	23,337
FAN Communications, Inc.	2,000	8,131
FCC Company, Ltd.	2,200	38,089
Feed One Company, Ltd.	3,008	25,373
Ferrotec Holdings Corp.	2,600	44,376
FIDEA Holdings Company, Ltd.	21,400	22,000
Fields Corp.	1,500	6,891
Financial Products Group Company, Ltd.	1,600	7,809
Fixstars Corp.	2,000	18,264
Foster Electric Company, Ltd.	2,100	25,933
France Bed Holdings Company, Ltd.	2,200	19,221
Fudo Tetra Corp.	1,080	18,261
Fuji Company, Ltd.	1,400	26,551
Fuji Corp. (Aichi)	2,900	76,440
Fuji Corp., Ltd.	1,300	8,167
Fuji Oil Company, Ltd. (A)	4,400	7,297
Fuji Pharma Company, Ltd.	1,400	16,881
Fuji Seal International, Inc.	2,100	41,086
Fuji Soft, Inc.	800	40,023
Fujibo Holdings, Inc.	700	26,136
Fujicco Company, Ltd.	1,500	29,126
Fujikura Kasei Company, Ltd.	2,000	10,639
Fujikura, Ltd. (A)	15,600	71,955
Fujimori Kogyo Company, Ltd.	800	37,017
Fujisash Company, Ltd.	4,900	3,805
Fujitec Company, Ltd.	1,400	30,248
Fujiya Company, Ltd. (B)	500	11,393
Fukuda Corp.	200	10,915
Fukushima Galilei Company, Ltd.	500	21,730
Fukuyama Transporting Company, Ltd.	300	12,645
FULLCAST Holdings Company, Ltd.	1,000	15,578
Funai Electric Company, Ltd. (A)	700	2,779
Funai Soken Holdings, Inc.	1,800	44,048
Furukawa Company, Ltd.	1,900	22,591
Furukawa Electric Company, Ltd.	2,500	67,508
Furuno Electric Company, Ltd.	2,400	28,267
Fuso Chemical Company, Ltd.	1,000	36,059
Fuso Pharmaceutical Industries, Ltd.	500	13,588

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Futaba Corp.	1,600	\$ 13,843
Futaba Industrial Company, Ltd.	3,400	17,387
Future Corp.	1,200	20,512
Fuyo General Lease Company, Ltd.	900	59,621
Gakken Holdings Company, Ltd.	1,600	27,144
GCA Corp.	1,900	13,547
Gecoss Corp.	400	3,724
Genki Sushi Company, Ltd.	500	11,345
Genky DrugStores Company, Ltd.	700	27,504
Geo Holdings Corp.	2,700	31,690
Giken, Ltd.	700	28,966
GLOBERIDE, Inc.	600	24,439
Glory, Ltd.	1,600	32,313
Goldcrest Company, Ltd.	990	15,434
Gree, Inc.	6,100	35,782
GS Yuasa Corp.	3,000	86,334
G-Tekt Corp.	1,200	17,503
Gun-Ei Chemical Industry Company, Ltd.	400	9,136
GungHo Online Entertainment, Inc.	1,300	29,106
Gunze, Ltd.	800	26,075
H.U. Group Holdings, Inc.	2,200	59,286
H2O Retailing Corp.	4,900	33,210
Hagihara Industries, Inc.	800	11,505
Hagiwara Electric Holdings Company, Ltd.	500	11,838
Hakuto Company, Ltd.	1,300	13,547
Halows Company, Ltd.	600	20,085
Hamakyorex Company, Ltd.	1,000	28,440
Hanwa Company, Ltd.	2,400	64,450
Happinet Corp.	1,000	15,208
Hazama Ando Corp.	10,090	70,462
Heiwa Corp.	1,000	13,796
Heiwa Real Estate Company, Ltd.	1,500	54,279
Heiwado Company, Ltd.	2,000	42,977
Hibiya Engineering, Ltd.	1,500	27,587
Hiday Hidaka Corp.	132	2,220
HI-LEX Corp.	600	8,936
Hinokiya Group Company, Ltd.	300	6,299
Hioki EE Corp.	500	20,269
Hirano Tecseed Company, Ltd.	1,100	23,137
Hirogin Holdings, Inc.	7,000	39,416
Hiroshima Gas Company, Ltd.	4,900	17,808
HIS Company, Ltd. (A)(B)	1,400	21,740
Hisaka Works, Ltd.	2,000	16,496
Hitachi Zosen Corp.	11,700	64,716
Hochiki Corp.	600	7,424
Hodogaya Chemical Company, Ltd.	700	34,525
Hogy Medical Company, Ltd.	800	26,034
Hokkaido Electric Power Company, Inc.	11,100	40,466
Hokkaido Gas Company, Ltd.	600	9,002
Hokkan Holdings, Ltd.	1,000	13,589
Hokuetsu Corp.	7,900	31,402
Hokuetsu Industries Company, Ltd.	2,000	20,351
Hokuhoku Financial Group, Inc.	5,900	56,132
Hokuriku Electric Power Company	9,400	61,327
Hokuto Corp.	1,600	32,375
H-One Company, Ltd.	1,000	8,038
Honeys Holdings Company, Ltd.	1,350	13,726
Hoosiers Holdings	5,000	32,259
Hosiden Corp.	3,900	37,584
Hosokawa Micron Corp.	500	30,817
Ichibanya Company, Ltd.	300	14,988
Ichigo, Inc.	9,100	27,414
Ichikoh Industries, Ltd.	2,300	15,388
Ichinen Holdings Company, Ltd.	1,900	23,307
Ichiyoshi Securities Company, Ltd.	2,800	12,669

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Icom, Inc.	500	\$ 13,187
Idec Corp.	1,600	28,282
IDOM, Inc.	3,900	20,731
Iino Kaiun Kaisha, Ltd.	7,300	30,373
IJTT Company, Ltd.	1,200	5,614
Ikegami Tsushinki Company, Ltd.	400	3,355
Imasen Electric Industrial	500	3,623
Imuraya Group Company, Ltd.	300	7,372
Inaba Denki Sangyo Company, Ltd.	2,700	66,178
Inaba Seisakusho Company, Ltd.	200	2,695
Inabata & Company, Ltd.	3,000	41,986
Infocom Corp.	1,000	32,855
Infomart Corp.	3,800	36,291
Information Services International-Dentsu, Ltd.	800	24,236
Intage Holdings, Inc. (B)	3,100	34,022
Internet Initiative Japan, Inc.	1,400	27,585
Inui Global Logistics Company, Ltd.	875	8,065
I-PEX, Inc.	500	9,597
Iriso Electronics Company, Ltd.	1,000	43,284
Iseki & Company, Ltd.	1,200	16,100
Ishihara Sangyo Kaisha, Ltd.	2,100	12,723
Itfor, Inc.	1,000	9,084
Itochu Enex Company, Ltd.	3,800	37,447
Itochu-Shokuhin Company, Ltd.	600	32,024
Itoham Yonekyu Holdings, Inc.	3,800	24,802
Itochi Corp.	2,100	6,809
IwaiCosmo Holdings, Inc.	900	11,440
Iwatani Corp.	1,000	61,609
J Front Retailing Company, Ltd.	5,500	43,621
J Trust Company, Ltd. (B)	4,900	9,601
JAC Recruitment Company, Ltd.	1,200	22,061
Jaccs Company, Ltd.	1,600	28,368
JAFCO Group Company, Ltd.	1,400	69,960
Jalux, Inc.	500	6,514
Jamco Corp.	500	3,011
Janome Sewing Machine Company, Ltd.	1,200	10,344
Japan Asset Marketing Company, Ltd. (A)	14,200	14,728
Japan Aviation Electronics Industry, Ltd.	3,000	46,044
Japan Cash Machine Company, Ltd.	700	3,600
Japan Elevator Service Holdings Company, Ltd.	2,200	56,026
Japan Investment Adviser Company, Ltd. (B)	1,000	12,953
Japan Lifeline Company, Ltd.	2,600	41,032
Japan Material Company, Ltd.	2,200	30,232
Japan Medical Dynamic Marketing, Inc.	900	20,631
Japan Petroleum Exploration Company, Ltd.	2,000	36,396
Japan Property Management Center Company, Ltd.	800	9,184
Japan Pulp & Paper Company, Ltd.	600	21,120
Japan Securities Finance Company, Ltd.	8,000	41,813
Japan Transcity Corp.	3,100	16,623
Jastec Company, Ltd. (B)	400	5,193
JBCC Holdings, Inc.	1,200	16,914
JCU Corp.	1,300	50,150
Jeol, Ltd.	1,700	80,259
Jimoto Holdings, Inc.	980	7,837
JINS Holdings, Inc.	400	26,315
JM Holdings Company, Ltd.	600	13,381
JMS Company, Ltd.	500	4,346
J-Oil Mills, Inc.	600	20,574
Joshin Denki Company, Ltd.	1,100	29,066
Joyful Honda Company, Ltd.	1,000	14,335

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
JSP Corp.	800	\$ 13,438
Juki Corp.	1,400	7,179
JVCKenwood Corp.	9,070	13,995
K&O Energy Group, Inc.	800	11,557
Kadokawa Corp.	1,036	37,656
Kaga Electronics Company, Ltd.	1,100	25,484
Kameda Seika Company, Ltd.	700	32,868
Kamei Corp.	2,000	22,245
Kanaden Corp.	1,100	13,796
Kanagawa Chuo Kotsu Company, Ltd.	700	26,945
Kanamoto Company, Ltd.	1,900	40,852
Kanden Company, Ltd.	2,700	22,870
Kaneka Corp.	2,100	73,571
Kanematsu Corp.	3,500	43,709
Kanematsu Electronics, Ltd.	700	28,169
Kansai Mirai Financial Group, Inc.	6,700	32,470
Kanto Denka Kogyo Company, Ltd.	2,000	15,366
Kasai Kogyo Company, Ltd.	1,000	3,666
Katakura Industries Company, Ltd. (B)	1,700	21,940
Kato Sangyo Company, Ltd.	1,100	37,289
Kato Works Company, Ltd.	400	3,746
KAWADA TECHNOLOGIES, Inc.	200	8,302
Kawasaki Kisen Kaisha, Ltd. (A)(B)	1,100	22,584
Keihanshin Building Company, Ltd. (B)	2,000	36,111
Keiyo Company, Ltd.	3,400	24,145
Kenedix, Inc.	10,800	78,638
Kenko Mayonnaise Company, Ltd.	900	16,112
KFC Holdings Japan, Ltd.	600	17,134
KH Neochem Company, Ltd.	900	23,871
Kimoto Company, Ltd.	3,000	5,094
Kintetsu Department Store Company, Ltd.	400	12,197
Kintetsu World Express, Inc.	1,600	38,000
Kissei Pharmaceutical Company, Ltd.	1,100	23,885
Kitanotatsujin Corp.	3,300	14,834
Kito Corp.	1,800	26,963
Kitz Corp.	4,600	27,991
KLab, Inc. (A)	2,100	18,276
Koa Corp.	1,700	24,351
Koatsu Gas Kogyo Company, Ltd.	3,000	23,131
Kobe Electric Railway Company, Ltd. (A)	300	10,460
Kobe Steel, Ltd. (A)	18,100	96,907
Kohnan Shoji Company, Ltd.	1,200	37,386
Kojima Company, Ltd.	3,000	20,706
Kokuyo Company, Ltd.	2,100	28,450
Komatsu Matere Company, Ltd.	2,000	19,954
KOMEDA Holdings Company, Ltd.	2,600	47,035
Komeri Company, Ltd.	1,500	42,409
Komori Corp.	3,700	25,953
Kondotec, Inc.	1,300	14,262
Konica Minolta, Inc.	18,700	71,606
Konishi Company, Ltd.	2,200	35,710
Konoike Transport Company, Ltd.	2,600	25,789
Koshidaka Holdings Company, Ltd.	2,000	8,617
Kotobuki Spirits Company, Ltd.	500	26,027
Krosaki Harima Corp.	400	15,311
Kumagai Gumi Company, Ltd.	1,800	45,388
Kurabo Industries, Ltd.	1,600	28,173
Kureha Corp.	1,100	77,677
Kurimoto, Ltd.	1,000	15,582
KYB Corp. (A)	1,600	36,661
Kyodo Printing Company, Ltd.	500	14,027
Kyoei Steel, Ltd.	1,800	24,993
Kyokuto Kaihatsu Kogyo Company, Ltd.	2,300	31,295
Kyokuto Securities Company, Ltd.	2,300	15,393
Kyokuyo Company, Ltd.	700	20,025

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
KYORIN Holdings, Inc.	1,900	\$ 35,763
Kyosan Electric Manufacturing Company, Ltd.	2,000	8,187
Kyushu Financial Group, Inc.	13,800	56,675
LAC Company, Ltd. (B)	1,400	14,125
Lacto Japan Company, Ltd. (B)	800	22,128
LEC, Inc.	1,600	20,140
LIFULL Company, Ltd.	3,800	13,605
Link And Motivation, Inc.	2,300	13,071
Lintec Corp.	1,900	42,009
M&A Capital Partners Company, Ltd. (A)	600	34,404
Macnica Fuji Electronics Holdings, Inc.	3,250	63,923
Macromill, Inc.	2,300	14,964
Maeda Corp.	3,700	32,929
Maeda Kosen Company, Ltd.	1,100	28,927
Maeda Road Construction Company, Ltd.	600	10,065
Maezawa Kasei Industries Company, Ltd.	1,100	10,428
Maezawa Kyuso Industries Company, Ltd.	900	20,181
Makino Milling Machine Company, Ltd.	1,200	43,436
Mandom Corp.	700	11,531
MarkLines Company, Ltd.	400	10,194
Mars Group Holdings Corp.	700	10,546
Marubun Corp.	200	994
Marudai Food Company, Ltd.	1,600	26,247
Maruha Nichiro Corp.	1,500	32,298
Marusan Securities Company, Ltd.	4,700	21,090
Maruwa Company, Ltd.	300	33,739
Maruzen Company, Ltd.	800	14,266
Maruzen Showa Unyu Company, Ltd.	800	27,007
Marvelous, Inc.	1,400	12,016
Matsuda Sangyo Company, Ltd.	1,400	24,279
Max Company, Ltd.	2,000	27,920
Maxell Holdings, Ltd. (A)	2,200	27,452
Maxvalu Tokai Company, Ltd.	1,100	27,750
MCH Company, Ltd.	3,200	34,393
MEC Company, Ltd.	1,500	33,063
Medical Data Vision Company, Ltd. (B)	1,700	46,788
Megachips Corp.	1,100	30,036
Megmilk Snow Brand Company, Ltd.	1,800	38,505
Meidensha Corp.	1,800	40,588
Meiko Electronics Company, Ltd.	1,200	22,462
Meiko Network Japan Company, Ltd.	1,100	5,892
Meisei Industrial Company, Ltd.	3,000	22,794
Meitec Corp.	1,300	67,605
Meito Sangyo Company, Ltd.	900	12,976
Menicon Company, Ltd.	600	36,391
METAWATER Company, Ltd.	1,600	36,029
Mie Kotsu Group Holdings, Inc.	3,700	17,771
Milbon Company, Ltd.	812	51,738
Mimasu Semiconductor Industry Company, Ltd.	1,400	35,066
Ministop Company, Ltd. (B)	1,100	15,012
Mirait Holdings Corp.	4,240	72,762
Miroku Jyoho Service Company, Ltd.	700	14,214
Mitani Corp.	500	32,250
Mitani Sekisan Company, Ltd.	600	25,513
Mito Securities Company, Ltd.	6,300	13,913
Mitsuba Corp. (A)	2,300	10,152
Mitsubishi Logisnext Company, Ltd.	1,000	11,497
Mitsubishi Paper Mills, Ltd.	2,600	7,866
Mitsubishi Pencil Company, Ltd.	600	8,008
Mitsubishi Research Institute, Inc.	500	20,724
Mitsubishi Shokuhin Company, Ltd.	200	5,544
Mitsubishi Steel Manufacturing Company, Ltd. (A)	1,000	5,880

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Mitsuboshi Belting, Ltd.	1,000	\$ 16,484
Mitsui E&S Holdings Company, Ltd. (A)	4,600	15,652
Mitsui High-Tec, Inc.	900	33,855
Mitsui Matsushima Holdings Company, Ltd.	1,000	6,938
Mitsui Mining & Smelting Company, Ltd.	2,500	91,886
Mitsui Sugar Company, Ltd.	1,000	17,617
Mitsui-Soko Holdings Company, Ltd. (B)	2,200	49,142
Mitsuuroko Group Holdings Company, Ltd.	3,200	41,400
Mixi, Inc.	1,800	44,683
Mizuho Leasing Company, Ltd.	1,400	42,212
Mizuno Corp.	1,400	27,304
Modec, Inc.	1,700	30,913
Monex Group, Inc.	10,400	38,974
Morinaga & Company, Ltd.	100	3,762
Morinaga Milk Industry Company, Ltd.	900	44,346
Morita Holdings Corp. (B)	2,200	37,427
MrMax Holdings, Ltd.	1,700	12,744
Musashi Seimitsu Industry Company, Ltd.	2,600	41,356
N Field Company, Ltd.	1,300	10,525
Nachi-Fujikoshi Corp.	600	24,938
Nagase & Company, Ltd.	3,600	52,619
Nagatanien Holdings Company, Ltd.	1,000	21,970
Nagawa Company, Ltd.	300	27,932
Nakamura Company, Ltd.	300	11,635
Nakanishi, Inc.	1,300	28,539
Nakayama Steel Works, Ltd.	1,100	4,087
Namura Shipbuilding Company, Ltd.	3,252	5,147
NEC Capital Solutions, Ltd.	800	14,675
Neturen Company, Ltd.	2,300	10,530
Nextage Company, Ltd.	2,300	29,523
NHK Spring Company, Ltd.	7,200	49,376
Nice Corp. (A)	600	9,256
Nichias Corp.	2,400	57,159
Nichiban Company, Ltd.	700	11,204
Nichicon Corp.	3,400	43,079
Nichiden Corp.	600	13,018
Nichiha Corp.	1,200	37,839
Nichi-iko Pharmaceutical Company, Ltd.	3,100	29,326
Nichireki Company, Ltd.	2,000	31,833
Nichirin Company, Ltd. (B)	1,040	16,867
Nihon Chouzai Company, Ltd.	800	11,596
Nihon Flush Company, Ltd.	1,000	12,691
Nihon House Holdings Company, Ltd.	1,000	3,201
Nihon Kagaku Sangyo Company, Ltd. (B)	1,000	10,679
Nihon Nohyaku Company, Ltd.	4,000	19,560
Nihon Parkerizing Company, Ltd. (B)	3,900	40,453
Nihon Tokushu Toryo Company, Ltd.	1,000	11,706
Nikkiso Company, Ltd.	2,100	20,461
Nikkon Holdings Company, Ltd.	2,900	58,146
Nippon Air Conditioning Services Company, Ltd.	1,600	11,696
Nippon Beet Sugar Manufacturing Company, Ltd.	900	14,016
Nippon Carbon Company, Ltd.	500	19,145
Nippon Chemical Industrial Company, Ltd.	700	19,107
Nippon Chemi-Con Corp. (A)	1,100	19,557
Nippon Coke & Engineering Company, Ltd.	18,000	15,540
Nippon Concrete Industries Company, Ltd.	2,600	7,898
Nippon Denko Company, Ltd.	6,530	18,943
Nippon Densetsu Kogyo Company, Ltd.	2,100	43,438
Nippon Electric Glass Company, Ltd.	3,400	74,481
Nippon Fine Chemical Company, Ltd.	800	11,053

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Nippon Flour Mills Company, Ltd.	2,700	\$ 42,165
Nippon Gas Company, Ltd.	1,800	96,580
Nippon Hume Corp.	2,000	15,581
Nippon Kayaku Company, Ltd.	2,300	21,350
Nippon Kodoshi Corp.	800	19,887
Nippon Koei Company, Ltd.	1,000	27,516
Nippon Light Metal Holdings Company, Ltd.	2,820	52,345
Nippon Paper Industries Company, Ltd.	3,600	41,690
Nippon Parking Development Company, Ltd.	8,400	12,545
Nippon Pillar Packing Company, Ltd.	1,500	23,418
Nippon Seiki Company, Ltd.	3,000	33,993
Nippon Sharyo, Ltd. (A)	600	14,054
Nippon Signal Company, Ltd.	3,000	27,388
Nippon Soda Company, Ltd.	1,600	47,591
Nippon Steel Trading Corp.	972	35,224
Nippon Suisan Kaisha, Ltd.	10,700	44,229
Nippon Thompson Company, Ltd.	4,700	17,602
Nippon Yakin Kogyo Company, Ltd.	1,000	16,753
Nipro Corp.	4,100	48,281
Nishikawa Rubber Company, Ltd.	800	11,969
Nishimatsu Construction Company, Ltd.	3,200	65,624
Nishimatsuya Chain Company, Ltd.	2,900	41,654
Nishi-Nippon Financial Holdings, Inc.	7,000	44,837
Nishi-Nippon Railroad Company, Ltd.	600	17,712
Nishio Rent All Company, Ltd.	800	16,760
Nissan Shatai Company, Ltd.	3,400	28,247
Nissei ASB Machine Company, Ltd.	500	28,584
Nissei Plastic Industrial Company, Ltd.	1,600	13,744
Nissha Company, Ltd.	2,300	33,436
Nisshinbo Holdings, Inc.	6,168	45,074
Nissin Corp.	1,400	16,515
Nissin Electric Company, Ltd.	3,400	40,274
Nissin Sugar Company, Ltd.	1,100	19,680
Nitta Corp.	1,300	28,121
Nittan Valve Company, Ltd.	1,200	2,396
Nittetsu Mining Company, Ltd.	300	17,842
Nitto Kogyo Corp.	1,600	31,733
Nitto Kohki Company, Ltd.	1,000	16,960
Nitto Seiko Company, Ltd.	1,700	7,386
Noevir Holdings Company, Ltd.	500	22,161
Nohmi Bosai, Ltd. (B)	1,300	28,382
Nojima Corp.	1,600	43,889
NOK Corp.	1,500	16,132
Nomura Company, Ltd.	3,000	24,818
Noritake Company, Ltd.	700	20,330
Noritsu Koki Company, Ltd.	1,000	23,608
Noritz Corp.	2,100	32,818
North Pacific Bank, Ltd.	20,300	42,948
NS Tool Company, Ltd.	400	10,185
NS United Kaiun Kaisha, Ltd.	800	10,824
NSD Company, Ltd.	3,000	64,719
NTN Corp. (A)	18,400	47,399
Obara Group, Inc.	600	22,896
Ohsho Food Service Corp.	700	39,306
Oiles Corp.	1,380	21,708
Oisix ra daichi, Inc. (A)	1,200	36,339
Okabe Company, Ltd.	2,600	19,516
Okamoto Industries, Inc.	600	23,017
Okamura Corp.	3,700	33,134
Okasan Securities Group, Inc.	7,000	25,463
Oki Electric Industry Company, Ltd.	4,700	41,565
Okinawa Cellular Telephone Company	400	17,255
OKUMA Corp.	700	39,262

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Okumura Corp.	1,600	\$ 39,597
Okura Industrial Company, Ltd. (B)	800	14,821
Okuwa Company, Ltd.	1,000	12,602
Onoken Company, Ltd.	1,500	18,214
Onward Holdings Company, Ltd.	7,100	14,257
Optex Group Company, Ltd.	1,400	25,634
Organo Corp.	600	35,709
Orient Corp.	17,800	20,027
Origin Company, Ltd.	600	7,720
Osaka Organic Chemical Industry, Ltd.	1,400	43,471
Osaka Soda Company, Ltd.	800	21,130
Osaka Steel Company, Ltd.	700	8,336
OSAKA Titanium Technologies Company, Ltd.	800	6,652
Osaki Electric Company, Ltd.	3,000	16,851
OSG Corp. (B)	2,400	45,949
OSJB Holdings Corp.	7,600	20,567
Outsourcing, Inc.	4,500	60,496
Oyo Corp.	1,300	15,447
Pacific Industrial Company, Ltd.	3,000	31,263
Pacific Metals Company, Ltd. (B)	1,100	23,831
PAL GROUP Holdings Company, Ltd.	1,400	16,624
Paramount Bed Holdings Company, Ltd.	800	36,530
Paris Miki Holdings, Inc.	1,100	3,066
PC Depot Corp.	1,700	9,251
Penta-Ocean Construction Company, Ltd.	12,300	105,887
Pilot Corp. (B)	700	19,670
Piolax, Inc.	2,100	32,240
Poletowin Pitcrew Holdings, Inc.	2,000	22,651
Press Kogyo Company, Ltd.	7,000	20,755
Pressance Corp. (B)	1,800	31,018
Prestige International, Inc.	5,000	44,242
Prima Meat Packers, Ltd.	1,500	47,552
Pronexus, Inc.	600	6,105
Prospect Company, Ltd.	33,000	9,581
Proto Corp.	400	4,041
PS Mitsubishi Construction Company, Ltd.	2,600	15,388
Punch Industry Company, Ltd.	1,300	5,307
Qol Holdings Company, Ltd.	1,400	15,301
Raito Kogyo Company, Ltd.	2,400	42,228
Raiznext Corp.	3,300	39,233
Raysum Company, Ltd.	1,600	14,667
Relia, Inc.	2,100	26,068
Renaissance, Inc.	500	4,333
Resorttrust, Inc.	3,700	52,943
Restar Holdings Corp.	1,600	34,488
Retail Partners Company, Ltd.	300	4,242
Rheon Automatic Machinery Company, Ltd.	1,500	18,352
Ricoh Leasing Company, Ltd.	800	23,844
Riken Corp.	600	12,365
Riken Keiki Company, Ltd.	400	11,901
Riken Technos Corp.	3,000	13,126
Riken Vitamin Company, Ltd.	1,400	18,476
Riso Kagaku Corp.	500	6,761
Riso Kyoiku Company, Ltd.	9,300	27,585
Rock Field Company, Ltd.	1,000	15,208
Rokko Butter Company, Ltd.	600	10,531
Roland DG Corp. (B)	900	16,414
Rorze Corp.	400	25,929
Round One Corp.	4,100	36,895
RS Technologies Company, Ltd.	400	22,074
Ryobi, Ltd. (A)	1,400	16,992
Ryoden Corp.	1,500	22,547
Ryosan Company, Ltd.	1,500	27,159

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
S Foods, Inc.	500	\$ 16,323
S&B Foods, Inc.	600	26,564
Sac's Bar Holdings, Inc.	600	3,150
Saibu Gas Company, Ltd.	1,900	57,263
Saizeriya Company, Ltd.	1,100	20,356
Sakai Chemical Industry Company, Ltd.	1,400	26,743
Sakai Moving Service Company, Ltd.	500	25,297
Sakata INX Corp.	3,100	34,837
Sala Corp.	3,000	16,617
SAMTY Company, Ltd.	1,600	27,889
San ju San Financial Group, Inc.	1,700	20,773
San-A Company, Ltd.	600	25,376
San-Ai Oil Company, Ltd. (B)	3,500	37,979
Sanden Holdings Corp. (A)	1,400	4,740
Sangetsu Corp.	2,100	31,605
Sanken Electric Company, Ltd.	1,400	60,843
Sanki Engineering Company, Ltd.	2,000	23,535
Sankyo Company, Ltd.	1,400	37,881
Sankyo Seiko Company, Ltd.	3,200	14,889
Sankyo Tateyama, Inc.	2,500	19,711
Sanyo Chemical Industries, Ltd.	600	32,080
Sanyo Denki Company, Ltd.	400	21,549
Sanyo Electric Railway Company, Ltd.	1,600	30,703
Sanyo Shokai, Ltd.	700	4,021
Sanyo Special Steel Company, Ltd. (A)	1,400	17,418
Sapporo Holdings, Ltd. (B)	2,700	52,174
Sato Holdings Corp.	1,700	36,742
Sawada Holdings Company, Ltd.	1,000	9,103
Sawai Pharmaceutical Company, Ltd.	900	40,845
Seika Corp.	500	6,660
Seikagaku Corp.	1,700	16,767
Seikitokyo Kogyo Company, Ltd.	1,600	13,003
Seiko Holdings Corp.	1,400	17,928
Seiren Company, Ltd.	2,700	40,885
Sekisui Jushi Corp.	1,600	33,834
Sekisui Kasei Company, Ltd.	2,500	12,855
Senko Group Holdings Company, Ltd.	4,700	45,839
Senshu Electric Company, Ltd.	500	15,393
Senshu Ikeda Holdings, Inc.	17,200	24,688
Senshukai Company, Ltd. (A)(B)	3,300	10,409
Shibaura Electronics Company, Ltd.	500	15,128
Shibaura Machine Company, Ltd.	1,600	36,586
Shibuya Corp.	800	27,466
Shikibo, Ltd.	1,100	10,932
Shikoku Chemicals Corp.	3,000	34,921
Shikoku Electric Power Company, Inc.	5,600	36,559
Shima Seiki Manufacturing, Ltd.	1,200	20,359
Shimachu Company, Ltd.	2,300	122,093
Shinagawa Refractories Company, Ltd.	600	14,583
Shindengen Electric Manufacturing Company, Ltd.	500	12,445
Shin-Etsu Polymer Company, Ltd.	3,000	27,466
Shinko Shoji Company, Ltd. (B)	1,900	13,811
Shinmaywa Industries, Ltd.	2,400	20,579
Shinnihon Corp.	2,500	20,105
Shinoken Group Company, Ltd.	2,000	21,607
Shinwa Company, Ltd. (Nagoya)	700	14,549
Shizuoka Gas Company, Ltd.	4,500	45,123
Shoel Company, Ltd.	1,200	48,248
Shoei Foods Corp.	700	24,368
Showa Sangyo Company, Ltd.	1,000	29,501
SIGMAXYZ, Inc.	900	16,011
Siix Corp.	1,600	23,967
Sinanen Holdings Company, Ltd.	800	22,979
Sinfonia Technology Company, Ltd.	1,600	21,747

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Sinko Industries, Ltd.	1,500	\$ 25,821
Sintokogio, Ltd.	3,400	25,384
SKY Perfect JSAT Holdings, Inc.	7,800	38,430
SMK Corp.	300	8,787
Sodick Company, Ltd.	2,400	20,512
Software Service, Inc.	200	21,090
Soken Chemical & Engineering Company, Ltd.	800	15,175
Solasto Corp.	1,500	23,250
Space Value Holdings Company, Ltd.	2,000	13,526
Sparx Group Company, Ltd.	7,400	18,295
SRA Holdings	600	15,262
St. Marc Holdings Company, Ltd.	800	10,862
Star Mica Holdings Company, Ltd.	1,100	14,400
Star Micronics Company, Ltd.	2,300	36,938
Starts Corp., Inc.	1,900	52,855
Starzen Company, Ltd.	300	12,309
Stella Chemifa Corp.	800	25,754
Strike Company, Ltd.	700	34,815
Studio Alice Company, Ltd.	900	16,847
Sugimoto & Company, Ltd.	700	16,841
Sumida Corp. (A)	1,600	16,712
Suminoe Textile Company, Ltd.	500	10,423
Sumitomo Bakelite Company, Ltd.	1,200	41,384
Sumitomo Densetsu Company, Ltd.	1,300	33,107
Sumitomo Mitsui Construction Company, Ltd.	6,000	24,930
Sumitomo Osaka Cement Company, Ltd.	1,500	43,892
Sumitomo Riko Company, Ltd.	2,400	14,143
Sumitomo Seika Chemicals Company, Ltd.	500	19,913
Sun Frontier Fudousan Company, Ltd.	2,200	19,058
SWCC Showa Holdings Company, Ltd.	2,400	40,859
Systema Corp.	1,700	35,695
Syuppin Company, Ltd.	1,200	10,511
T Hasegawa Company, Ltd.	1,600	33,677
T RAD Company, Ltd.	500	6,493
T&K Toka Company, Ltd.	1,600	13,593
Tachibana Eletech Company, Ltd.	1,360	22,113
Tachi-S Company, Ltd.	2,400	27,336
Tadano, Ltd.	6,000	51,437
Taihei Dengyo Kaisha, Ltd.	1,500	34,181
Taiho Kogyo Company, Ltd.	1,200	8,349
Taikisha, Ltd.	900	23,639
Taiko Pharmaceutical Company, Ltd. (B)	1,200	18,759
Taisei Lamick Company, Ltd.	500	14,863
Taiyo Holdings Company, Ltd.	1,000	59,269
Takamatsu Construction Group Company, Ltd.	1,000	19,832
Takaoka Toko Company, Ltd.	700	11,202
Takara Leben Company, Ltd.	6,300	18,778
Takara Standard Company, Ltd.	2,200	32,367
Takasago International Corp.	1,200	27,622
Takasago Thermal Engineering Company, Ltd.	1,700	25,806
Takashimaya Company, Ltd.	5,600	48,194
Take And Give Needs Company, Ltd.	200	1,077
Takeei Corp.	700	8,631
Takeuchi Manufacturing Company, Ltd.	1,600	37,784
Takihyo Company, Ltd.	600	10,991
Takuma Company, Ltd.	2,300	41,109
Tamron Company, Ltd.	1,500	26,577
Tamura Corp.	6,000	33,326
Tanseisha Company, Ltd.	1,100	8,750
Tatsuta Electric Wire & Cable Company, Ltd.	4,200	30,611

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Tayca Corp.	1,500	\$ 21,994
TechMatrix Corp.	1,400	29,121
Teikoku Electric Manufacturing Company, Ltd.	1,700	19,888
Teikoku Sen-I Company, Ltd. (B)	500	11,590
Tekken Corp.	800	14,201
Tenma Corp.	1,000	19,809
T-Gaia Corp. (B)	900	16,897
The 77 Bank, Ltd.	2,800	38,210
The Aichi Bank, Ltd.	600	17,088
The Akita Bank, Ltd.	1,100	14,626
The Aomori Bank, Ltd.	1,700	39,638
The Awa Bank, Ltd.	2,200	49,920
The Bank of Iwate, Ltd.	1,100	21,385
The Bank of Nagoya, Ltd.	1,100	27,240
The Bank of Okinawa, Ltd.	1,640	43,572
The Bank of Saga, Ltd.	1,000	12,761
The Chiba Kogyo Bank, Ltd.	3,200	7,700
The Chugoku Bank, Ltd.	5,700	45,743
The Chukyo Bank, Ltd.	900	17,023
The Ehime Bank, Ltd.	2,100	20,243
The First Bank of Toyama, Ltd.	2,800	7,660
The Fukui Bank, Ltd.	1,800	33,115
The Fukushima Bank, Ltd. (B)	2,100	3,975
The Gunma Bank, Ltd.	14,200	43,855
The Hachijuni Bank, Ltd.	14,100	46,972
The Hokkoku Bank, Ltd.	1,500	38,097
The Hyakugo Bank, Ltd.	12,500	36,151
The Hyakujushi Bank, Ltd.	1,700	24,497
The Iyo Bank, Ltd.	9,200	57,797
The Japan Steel Works, Ltd.	2,600	77,665
The Japan Wool Textile Company, Ltd.	4,000	38,718
The Juroku Bank, Ltd.	1,700	30,960
The Keiyo Bank, Ltd.	4,400	17,807
The Kinki Sharyo Company, Ltd. (A)	300	3,814
The Kita-Nippon Bank, Ltd.	700	13,847
The Kiyoo Bank, Ltd.	3,800	54,419
The Michinoku Bank, Ltd.	1,400	13,610
The Miyazaki Bank, Ltd.	1,000	21,376
The Monogatari Corp. (B)	200	24,371
The Musashino Bank, Ltd.	1,700	24,675
The Nagano Bank, Ltd.	800	10,532
The Nanto Bank, Ltd.	2,000	33,815
The Nippon Road Company, Ltd.	500	37,336
The Nisshin Oillio Group, Ltd.	1,200	35,313
The Ogaki Kyoritsu Bank, Ltd.	1,600	32,536
The Oita Bank, Ltd.	900	17,770
The Okinawa Electric Power Company, Inc.	1,990	26,761
The Pack Corp.	800	21,930
The San-In Godo Bank, Ltd.	8,000	38,217
The Shibusawa Warehouse Company, Ltd.	1,000	22,369
The Shiga Bank, Ltd.	2,200	45,052
The Shikoku Bank, Ltd.	2,800	18,467
The Shimizu Bank, Ltd.	500	8,308
The Sumitomo Warehouse Company, Ltd.	3,324	42,585
The Tochigi Bank, Ltd.	8,000	13,360
The Toho Bank, Ltd.	12,000	24,224
The Tohoku Bank, Ltd.	400	4,287
The Tottori Bank, Ltd.	400	4,345
The Towa Bank, Ltd.	2,900	17,753
The Yamagata Bank, Ltd.	2,000	19,934
The Yamanashi Chuo Bank, Ltd.	2,000	14,941
Tigers Polymer Corp.	1,000	3,820
TKC Corp.	600	45,046

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Toa Corp. (Hyogo)	1,400	\$ 11,554
Toa Corp. (Tokyo)	1,200	23,211
Toagosei Company, Ltd.	6,900	81,110
Tobishima Corp.	720	7,549
TOC Company, Ltd. (B)	3,400	22,965
Tocalo Company, Ltd.	3,200	43,966
Toda Kogyo Corp. (A)	300	6,686
Toei Company, Ltd.	200	32,739
Toenec Corp.	600	23,497
Toho Company, Ltd.	600	10,952
Toho Holdings Company, Ltd.	2,400	42,191
Toho Titanium Company, Ltd.	3,000	25,822
Toho Zinc Company, Ltd. (A)	800	18,112
Tokai Corp.	1,200	23,679
TOKAI Holdings Corp.	4,000	39,799
Tokai Rika Company, Ltd.	3,300	55,852
Tokai Tokyo Financial Holdings, Inc.	11,500	34,030
Token Corp.	410	32,519
Tokushu Tokai Paper Company, Ltd.	600	29,027
Tokuyama Corp.	2,600	58,534
Tokyo Base Company, Ltd. (A)	900	4,638
Tokyo Dome Corp.	5,500	69,256
Tokyo Energy & Systems, Inc.	2,000	17,585
Tokyo Keiki, Inc.	1,000	9,100
Tokyo Kiraboshi Financial Group, Inc.	1,936	20,777
Tokyo Rakutenchi Company, Ltd.	200	8,387
Tokyo Rope Manufacturing Company, Ltd. (A)	700	5,153
Tokyo Seimitsu Company, Ltd.	1,800	84,691
Tokyo Steel Manufacturing Company, Ltd.	5,100	33,037
Tokyo Tekko Company, Ltd.	800	15,863
Tokyo Theatres Company, Inc.	900	10,953
Tokyotokeiba Company, Ltd.	600	27,234
Tokyu Construction Company, Ltd.	3,900	18,735
Tomato Bank, Ltd.	1,100	11,304
Tomen Devices Corp.	200	6,381
Tomoe Corp.	2,200	8,561
Tomoku Company, Ltd.	500	8,283
TOMONY Holdings, Inc.	10,600	32,102
Tomy Company, Ltd.	4,500	39,720
Tonami Holdings Company, Ltd.	500	28,935
Topcon Corp.	4,700	58,493
Toppan Forms Company, Ltd. (B)	3,400	34,882
Topre Corp.	2,300	35,293
Topy Industries, Ltd. (A)	1,300	14,853
Toridoll Holdings Corp.	2,800	37,578
Torii Pharmaceutical Company, Ltd.	1,100	34,359
Torikizoku Company, Ltd. (B)	500	7,049
Torishima Pump Manufacturing Company, Ltd.	900	7,543
Tosei Corp.	2,500	28,692
Toshiba TEC Corp.	500	18,062
Tosho Company, Ltd.	800	12,146
Totetsu Kogyo Company, Ltd.	1,000	26,464
Towa Corp.	1,300	26,531
Towa Pharmaceutical Company, Ltd.	1,500	27,840
Toyo Construction Company, Ltd.	3,100	13,202
Toyo Denki Seizo KK	600	6,786
Toyo Engineering Corp. (A)	2,200	8,671
Toyo Ink SC Holdings Company, Ltd.	2,200	42,134
Toyo Kanetsu KK	400	8,158
Toyo Securities Company, Ltd.	6,000	7,736
Toyo Tanso Company, Ltd.	1,000	19,586
Toyo Tire Corp.	2,300	35,001
Toyo Wharf & Warehouse Company, Ltd.	600	7,758

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Toyobo Company, Ltd.	4,093	\$ 54,787
TPR Company, Ltd.	1,400	19,231
Trancom Company, Ltd.	400	34,622
Tri Chemical Laboratories, Inc.	300	48,522
Trusco Nakayama Corp. (B)	1,600	44,974
TS Tech Company, Ltd.	800	24,708
TSI Holdings Company, Ltd.	5,270	10,527
Tsubaki Nakashima Company, Ltd.	2,300	25,072
Tsubakimoto Chain Company	1,600	42,073
Tsugami Corp.	3,000	45,442
Tsukishima Kikai Company, Ltd.	2,000	27,022
Tsukuba Bank, Ltd.	5,700	10,232
Tsukui Holdings Corp.	4,800	25,516
Tsurumi Manufacturing Company, Ltd.	1,000	17,111
TV Asahi Holdings Corp.	700	11,492
Tv Tokyo Holdings Corp.	1,100	24,558
UACJ Corp.	1,903	34,936
Ube Industries, Ltd.	4,400	79,964
Uchida Yoko Company, Ltd.	400	16,447
Ulvac, Inc.	1,900	81,457
Uniden Holdings Corp. (A)	400	8,761
Union Tool Company	700	21,017
Unipres Corp.	2,600	24,490
United Arrows, Ltd.	1,200	17,800
United Super Markets Holdings, Inc.	2,400	26,265
UNITED, Inc.	1,300	17,249
Unitika, Ltd. (A)	5,900	22,573
Universal Entertainment Corp. (A)	800	18,482
Ushio, Inc.	5,200	67,736
UT Group Company, Ltd. (A)	1,500	46,696
V Technology Company, Ltd.	400	22,836
Valor Holdings Company, Ltd.	1,700	43,588
Valqua, Ltd.	1,000	19,923
ValueCommerce Company, Ltd.	900	27,913
Vector, Inc. (A)(B)	3,100	30,037
Vision, Inc. (A)	1,500	15,109
Vital KSK Holdings, Inc.	3,500	27,559
VT Holdings Company, Ltd.	6,600	27,301
Wacoal Holdings Corp.	1,900	38,265
Wacom Company, Ltd.	4,600	38,588
Wakachiku Construction Company, Ltd.	900	10,241
Wakita & Company, Ltd.	4,000	40,922
Warabeya Nichiyo Holdings Company, Ltd.	900	12,368
Watahan & Company, Ltd.	600	7,892
WDB Holdings Company, Ltd.	700	17,943
Weathernews, Inc.	500	26,972
West Holdings Corp.	1,090	50,197
WIN-Partners Company, Ltd.	1,000	11,976
World Holdings Company, Ltd. (B)	600	11,427
Xebio Holdings Company, Ltd.	2,800	22,386
Yahagi Construction Company, Ltd.	2,000	17,181
Yaizu Suisankagaku Industry Company, Ltd.	1,100	10,647
YAKUODO Holdings Company, Ltd.	700	16,779
YAMABIKO Corp.	2,400	30,180
YAMADA Consulting Group Company, Ltd.	1,100	10,520
Yamaguchi Financial Group, Inc.	7,000	39,516
Yamaichi Electronics Company, Ltd.	1,700	25,586
YA-MAN, Ltd.	1,700	30,842
Yamato Kogyo Company, Ltd.	2,100	56,165
Yamazen Corp.	3,900	39,081
Yasuda Logistics Corp.	1,400	13,126
Yellow Hat, Ltd.	2,000	32,569

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Japan (continued)		
Yodogawa Steel Works, Ltd.	1,200	\$ 24,532
Yokogawa Bridge Holdings Corp.	2,100	44,440
Yokohama Reito Company, Ltd.	2,900	24,246
Yokowo Company, Ltd.	1,200	36,121
Yomeishu Seizo Company, Ltd.	500	9,166
Yondenko Corp.	600	16,146
Yondoshi Holdings, Inc.	1,300	25,158
Yorozu Corp.	1,800	18,079
Yuasa Trading Company, Ltd.	1,100	35,378
Yumeshin Holdings Company, Ltd. (B)	2,200	14,883
Yurtec Corp.	2,000	16,169
Yushiro Chemical Industry Company, Ltd.	1,100	11,815
Zenrin Company, Ltd.	1,950	23,888
ZIGEXN Company, Ltd.	3,400	13,070
		25,236,578
Jersey, Channel Islands - 0.1%		
Atrium European Real Estate, Ltd. (A)	9,889	30,356
Centamin PLC	71,818	121,568
Sanne Group PLC	1,649	13,893
		165,817
Liechtenstein - 0.1%		
Liechtensteinische Landesbank AG	726	42,939
VP Bank AG	188	23,814
		66,753
Luxembourg - 0.4%		
APERAM SA	2,031	84,521
Befesa SA (D)	760	47,936
Corestate Capital Holding SA (A)	623	11,146
Grand City Properties SA	5,163	133,398
IVS Group SA (A)	880	5,889
L'Occitane International SA	17,000	42,450
SES SA	6,252	58,676
Shurgard Self Storage SA	573	24,819
Stabilus SA	1,018	71,965
		480,800
Malaysia - 0.1%		
Lynas Rare Earths, Ltd. (A)(B)	41,228	127,030
Malta - 0.1%		
Kindred Group PLC (A)	8,254	80,760
Monaco - 0.1%		
Endeavour Mining Corp. (A)	5,953	138,525
Netherlands - 3.0%		
Aalberts NV	5,101	226,967
Accell Group NV (A)	1,374	43,387
Aegon NV	21,151	84,368
Aegon NV, NYRS	14,547	57,461
Altice Europe NV (A)(B)	22,298	144,417
AMG Advanced Metallurgical Group NV	1,350	40,310
Amsterdam Commodities NV	1,174	29,932
Arcadis NV (A)	4,428	146,266
ASM International NV	789	172,175
ASR Nederland NV	6,590	263,671
Basic-Fit NV (A)(D)	1,607	58,832
BE Semiconductor Industries NV	3,676	220,747
Beter Bed Holding NV (A)(B)	1,056	5,536
Boskalis Westminster (A)	3,991	110,139
Brack Capital Properties NV (A)	230	21,371
Brunel International NV (A)	1,126	9,984
Corbion NV	2,691	150,673
Euronext NV (D)	1,976	217,655
Flow Traders (D)	1,631	53,996
ForFarmers NV	2,398	15,610
Fugro NV (A)(B)	4,034	37,128

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Netherlands (continued)		
GrandVision NV (D)	2,427	\$ 75,722
Heijmans NV (A)	2,023	23,042
Hunter Douglas NV (A)	312	24,430
IMCD NV	2,703	344,036
Innoconcepts NV (A)(C)	10,527	0
Intertrust NV (A)(D)	3,549	60,196
Kendrion NV (A)	1,093	22,077
Koninklijke BAM Groep NV (A)	15,496	32,064
Koninklijke Vopak NV	767	40,236
Nedap N.V.	225	14,014
OCI NV (A)	1,346	25,896
Ordina NV	5,537	19,419
PostNL NV (A)	35,264	120,205
SBM Offshore NV	8,175	154,440
SIF Holding NV (A)	504	10,156
Signify NV (A)(D)	6,210	260,733
Sligro Food Group NV (A)	1,151	23,782
TKH Group NV	1,730	83,596
TomTom NV (A)	3,258	33,617
Van Lanschot Kempen NV	1,125	28,775
		3,507,061
New Zealand - 0.7%		
Air New Zealand, Ltd. (A)	12,658	16,452
Arvida Group, Ltd.	10,871	14,033
Chorus, Ltd.	22,368	127,244
Fletcher Building, Ltd. (A)	2,060	8,764
Freightways, Ltd.	5,543	40,190
Genesis Energy, Ltd.	18,394	48,084
Gentrack Group, Ltd. (A)(B)	3,060	3,397
Hallenstein Glasson Holdings, Ltd.	3,354	16,078
Heartland Group Holdings, Ltd.	17,403	20,849
Infratil, Ltd.	14,095	74,114
Investore Property, Ltd.	13,816	21,967
Kathmandu Holdings, Ltd. (A)	13,663	12,620
NZME, Ltd. (A)(B)	13,259	6,411
NZX, Ltd.	13,699	19,335
Oceania Healthcare, Ltd.	34,442	36,052
PGG Wrightson, Ltd.	819	1,953
Restaurant Brands New Zealand, Ltd. (A)	886	7,362
Sanford, Ltd. (B)	2,767	10,420
Scales Corp., Ltd.	5,176	18,571
Skellerup Holdings, Ltd.	7,637	20,078
SKY Network Television, Ltd. (A)	75,182	8,721
SKYCITY Entertainment Group, Ltd.	31,778	73,642
Summerset Group Holdings, Ltd.	7,472	67,572
Synlait Milk, Ltd. (A)	5,495	20,664
The New Zealand Refining Company, Ltd. (A)	11,354	4,497
The Warehouse Group, Ltd. (A)	9,894	19,610
Tourism Holdings, Ltd. (A)	6,508	12,200
TOWER, Ltd. (A)	12,717	6,515
Vista Group International, Ltd. (A)	7,682	9,306
Z Energy, Ltd. (A)	13,725	31,658
		778,359
Norway - 1.0%		
ABG Sundal Collier Holding ASA	13,972	10,380
AF Gruppen ASA	989	20,214
Akastor ASA (A)	6,104	5,039
Aker Solutions ASA (A)	18,496	35,444
American Shipping Company ASA (A)	1,661	5,466
Atea ASA (A)	4,256	60,295
Austevoll Seafood ASA	2,238	22,856
Axactor SE (A)	11,423	14,253
B2Holding ASA (A)	4,699	4,071
Bonheur ASA	1,672	47,234

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Norway (continued)		
Borregaard ASA	5,508	\$ 91,186
BW Offshore, Ltd.	4,568	20,117
DNO ASA (A)(B)	36,835	29,414
Europris ASA (D)	8,327	49,630
Fjordkraft Holding ASA (D)	3,193	31,167
FLEX LNG, Ltd. (B)	1,570	13,720
Frontline, Ltd.	5,015	31,785
Grieg Seafood ASA (A)(B)	2,264	22,441
Hexagon Composites ASA (A)	9,323	59,444
Hexagon Purus Holding ASA (A)	1,059	6,161
Hoegh LNG Holdings, Ltd.	2,568	4,598
IDEX Biometrics ASA (A)	19,564	6,813
Nordic Nanovector ASA (A)	2,098	3,842
Nordic Semiconductor ASA (A)	7,334	117,824
Norway Royal Salmon ASA	1,027	25,651
Norwegian Finans Holding ASA (A)	5,444	46,557
Norwegian Property ASA	9,694	14,879
Ocean Yield ASA	4,830	14,961
Odffjell Drilling, Ltd. (A)	4,970	9,945
Olav Thon Eiendomsselskap ASA (A)	577	12,347
Otello Corp. ASA (A)(B)	6,623	20,856
PGS ASA (A)	19,660	11,976
Protector Forsikring ASA (A)	4,177	29,010
Sbanken ASA (D)	5,201	41,799
Selvaag Bolig ASA	1,842	12,462
SpareBank 1 SR-Bank ASA	2,944	31,259
TGS NOPEC Geophysical Company ASA	3,905	60,542
Treasure ASA	3,110	6,692
Veidekke ASA	4,419	57,188
Wilh Wilhelmsen Holding ASA, Class A	862	17,000
XXL ASA (A)(B)(D)	4,462	10,009
		1,136,527
Peru - 0.0%		
Hochschild Mining PLC	16,530	47,110
Portugal - 0.3%		
Altri SGPS SA (B)	3,125	19,658
Banco Comercial Portugues SA (A)	530,269	79,661
CTT-Correios de Portugal SA (A)	8,914	25,442
Mota-Engil SGPS SA (A)(B)	5,636	9,369
NOS SGPS SA	13,982	48,605
REN - Redes Energeticas Nacionais SGPS SA	21,605	62,249
Semapa-Sociedade de Investimento e Gestao	1,885	20,650
Sonae SGPS SA	44,348	35,542
The Navigator Company SA (A)	12,847	39,002
		340,178
Russia - 0.1%		
Petropavlovsk PLC (A)	189,556	84,084
Singapore - 1.2%		
Accordia Golf Trust (C)	40,300	22,108
Ascendas India Trust	45,100	47,084
Banyan Tree Holdings, Ltd. (A)	19,800	3,977
Best World International, Ltd. (C)	16,300	9,645
BOC Aviation, Ltd. (D)	3,500	30,294
Boustead Projects, Ltd.	3,000	1,827
Boustead Singapore, Ltd.	10,000	6,136
Bukit Sembawang Estates, Ltd.	11,000	33,169
BW Energy, Ltd. (A)(B)	932	2,985
BW LPG, Ltd. (D)	4,059	27,993
China Aviation Oil Singapore Corp., Ltd.	14,400	11,549
Chip Eng Seng Corp., Ltd.	33,000	10,980
ComfortDelGro Corp., Ltd.	86,000	108,970

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Singapore (continued)		
COSCO Shipping International Singapore Company, Ltd. (A)	58,900	\$ 12,486
CSE Global, Ltd.	34,000	12,119
Delfi, Ltd.	21,900	11,609
Ezion Holdings, Ltd. (A)(C)	131,300	4,272
Far East Orchard, Ltd.	5,000	4,091
First Resources, Ltd.	19,300	18,721
Fraser and Neave, Ltd.	8,600	9,574
Frasers Property, Ltd.	13,400	12,568
Gallant Venture, Ltd. (A)	71,000	7,140
GL, Ltd. (A)	51,700	20,158
Golden Agri-Resources, Ltd.	323,200	38,879
GuocoLand, Ltd.	10,400	12,042
Halcyon Agri Corp., Ltd. (A)	4,293	989
Haw Par Corp., Ltd.	5,800	46,983
Ho Bee Land, Ltd.	11,400	20,637
Hong Fok Corp., Ltd.	20,100	11,254
Hong Leong Finance, Ltd.	12,900	23,337
Hyflux, Ltd. (A)	24,000	996
IGG, Inc.	51,000	53,474
Indofood Agri Resources, Ltd. (A)	25,000	5,575
Japfa, Ltd.	38,500	26,984
Kenon Holdings, Ltd.	787	23,186
Keppel Infrastructure Trust	157,190	64,874
Metro Holdings, Ltd.	31,600	17,101
Midas Holdings, Ltd. (A)(C)	86,000	10,620
NetLink NBN Trust	61,400	44,877
OM Holdings, Ltd.	10,791	4,897
OUE, Ltd.	11,100	10,089
Oxley Holdings, Ltd.	25,106	4,081
Raffles Medical Group, Ltd.	35,758	26,926
Riverstone Holdings, Ltd.	31,400	26,472
SATS, Ltd. (A)	20,400	61,552
SBS Transit, Ltd.	5,000	11,544
Sembcorp Industries, Ltd.	51,300	66,353
Sembcorp Marine, Ltd. (A)	325,134	35,241
Sheng Siong Group, Ltd.	29,900	35,081
SIA Engineering Company, Ltd.	12,800	19,099
SIIC Environment Holdings, Ltd.	35,800	4,688
Sinarmas Land, Ltd.	94,200	14,587
Singapore Post, Ltd.	66,100	35,323
Singapore Press Holdings, Ltd.	66,000	56,460
Stamford Land Corp., Ltd.	59,000	14,754
StarHub, Ltd.	25,600	25,360
Swiber Holdings, Ltd. (A)(C)	15,000	742
UMS Holdings, Ltd.	14,000	11,449
United Industrial Corp., Ltd.	7,100	12,447
UOB-Kay Hian Holdings, Ltd.	23,285	25,009
Wing Tai Holdings, Ltd.	21,205	31,264
XP Power, Ltd.	824	52,891
Yeo Hiap Seng, Ltd.	1,104	638
		1,418,210
South Africa - 0.1%		
Investec PLC	4,349	11,177
Mediclinic International PLC (A)	18,139	70,081
		81,258
Spain - 2.1%		
Acciona SA	1,362	194,890
Acerinox SA	7,380	81,733
Alantra Partners SA	1,181	19,092
Almirall SA	2,424	32,266
Amper SA (A)	82,546	19,346
Applus Services SA (A)	6,225	69,078
Atresmedia Corp. de Medios de Comunicacion SA	6,046	21,263

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Spain (continued)		
Banco de Sabadell SA	122,358	\$ 52,952
Bankia SA	55,976	99,645
Bankinter SA	27,501	149,171
Caja de Ahorros del Mediterraneo (A)(C)	5,428	0
Cia de Distribucion Integral Logista Holdings SA	1,412	27,440
CIE Automotive SA	2,718	73,228
Construcciones y Auxiliar de Ferrocarriles SA (A)	1,139	54,393
Ebro Foods SA	3,323	76,819
eDreams ODIGEO SA (A)	4,905	24,954
Elecnor SA	2,026	27,331
Enagas SA	8,670	190,737
Ence Energia y Celulosa SA (A)	6,294	26,089
Ercros SA	5,006	13,108
Euskaltel SA (D)	3,494	37,102
Faes Farma SA	12,329	52,567
Faes Farma SA, Interim Shares (A)	587	2,503
Fluidra SA	1,739	44,643
Fomento de Construcciones y Contratas SA	2,275	24,497
Global Dominion Access SA (A)(D)	5,439	24,965
Grupo Catalana Occidente SA	2,346	83,828
Grupo Empresarial San Jose SA	2,194	12,081
Iberpapel Gestion SA	65	1,362
Indra Sistemas SA (A)	4,996	42,725
Laboratorios Farmaceuticos Rovi SA	987	45,908
Liberbank SA (A)	130,927	40,288
Mapfre SA	10,819	21,143
Mediaset Espana Comunicacion SA (A)	7,779	40,429
Melia Hotels International SA (A)	6,008	41,843
Miquel y Costas & Miquel SA	1,474	26,536
Neinor Homes SA (A)(D)	1,978	26,250
Obrascon Huarte Lain SA (A)(B)	14,644	10,963
Pharma Mar SA	856	74,830
Promotora de Informaciones SA, Class A (A)	11,711	12,781
Prosegur Cia de Seguridad SA	10,114	30,342
Realia Business SA (A)	17,710	14,819
Sacyr SA	21,238	52,481
Solaria Energia y Medio Ambiente SA (A)	3,480	101,056
Talgo SA (A)(D)	4,711	23,703
Tecnicas Reunidas SA (A)	830	11,005
Tubacex SA (A)	6,252	10,458
Unicaja Banco SA (A)(D)	3,130	2,750
Vidrala SA	896	104,080
Viscofan SA	1,837	130,042
Zardoya Otis SA	7,487	52,594
		2,454,109
Sweden - 3.8%		
AcadeMedia AB (D)	3,665	37,941
AddLife AB, B Shares	928	16,263
AddNode Group AB (A)	1,465	50,864
AddTech AB, B Shares	12,072	160,431
AF Poyry AB (A)	4,396	134,334
Alimak Group AB (D)	2,777	44,406
Annehem Fastigheter AB, B Shares (A)	1,155	4,443
Arjo AB, B Shares	8,195	62,939
Atrium Ljungberg AB, B Shares	2,105	44,639
Attendo AB (A)(D)	5,286	28,541
Avanza Bank Holding AB	4,853	137,718
Beijer Alma AB	2,393	38,575
Bergman & Beving AB	2,270	27,211
Betsson AB (A)	5,105	45,562
BHG Group AB (A)	2,406	52,525

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Bilia AB, A Shares	5,024	\$ 61,501
BioGaia AB, B Shares	901	58,591
Biotage AB (A)	3,574	60,163
Bonava AB, B Shares (A)	3,323	31,751
Bravida Holding AB (D)	8,528	113,390
Bufab AB (A)	1,896	44,806
Bulten AB (A)	717	7,819
Bure Equity AB	2,728	97,024
Byggmax Group AB (A)	5,363	33,365
Catena AB	1,429	67,161
CDON AB (A)	203	6,341
Clas Ohlson AB, B Shares	3,185	30,288
Cloetta AB, B Shares	10,640	31,611
Collector AB (A)	1,870	5,482
Coor Service Management Holding AB (A)(D)	1,376	12,166
Corem Property Group AB, B Shares	3,585	8,181
Dios Fastigheter AB	3,582	33,464
Dometic Group AB (A)(D)	1,832	24,295
Duni AB (A)	2,559	33,499
Dustin Group AB (D)	4,269	33,360
Eastnine AB	1,669	25,427
Enea AB (A)	1,522	35,126
Fagerhult AB (A)	4,609	25,529
FastPartner AB, A Shares (B)	2,697	31,650
Fingerprint Cards AB, B Shares (A)(B)	12,246	26,079
GARO AB (A)	75	5,816
Granges AB (A)	7,040	86,042
Haldex AB (A)	3,364	17,938
Heba Fastighets AB, Class B	684	9,537
HMS Networks AB (A)	1,433	45,192
Hoist Finance AB (A)(B)(D)	2,083	9,302
Humana AB (A)	2,641	18,966
Intrum AB	444	11,578
Inwido AB (A)	3,126	45,837
JM AB	3,363	118,585
Klovern AB, B Shares (B)	36,144	68,858
KNOW IT AB (A)	1,471	55,529
Kungsleden AB	8,561	93,845
Lagercrantz Group AB, B Shares	12,207	112,681
LeoVegas AB (D)	2,160	9,192
Lime Technologies AB	347	17,233
Lindab International AB	5,086	105,500
Loomis AB	2,298	63,371
Medicover AB, B Shares (A)	729	14,613
Mekonomen AB (A)	2,150	23,800
MIPS AB	888	55,679
Modern Times Group MTG AB, B Shares (A)(B)	4,110	73,071
Momentum Group AB, Class B (A)	2,270	39,257
Mycronic AB	2,326	69,087
NCC AB, B Shares	835	15,157
Nederman Holding AB (A)	887	15,215
Nelly Group AB (A)	611	2,599
New Wave Group AB, B Shares (A)	4,353	28,874
Nobia AB (A)	6,676	53,500
Nobina AB (A)(D)	4,239	35,622
Nolato AB, B Shares (A)	919	92,917
Nordic Entertainment Group AB, B Shares (A)	1,395	78,057
Nordic Waterproofing Holding AB (A)	2,615	52,265
NP3 Fastigheter AB	1,683	25,045
Nyfos AB (A)	9,287	92,780
OEM International AB, B Shares (A)	1,040	39,002
Pandex AB (A)	710	12,459

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Sweden (continued)		
Peab AB, Class B (A)	5,776	\$ 62,919
Platzler Fastigheter Holding AB, Series B	5,149	67,712
Pricer AB, B Shares (B)	7,930	37,427
Proact IT Group AB	476	15,737
Qliro AB (A)	611	2,774
Ratos AB, B Shares	14,845	69,197
RaySearch Laboratories AB (A)	2,452	24,761
Recipharm AB, B Shares (A)	2,514	67,101
Resurs Holding AB (D)	6,236	33,992
SAS AB (A)	203,931	45,202
Scandi Standard AB (A)	4,648	39,005
Scandic Hotels Group AB (A)(D)	5,932	25,066
Sectra AB, B Shares (A)	1,006	89,068
Sensys Gatso Group AB (A)	23,414	4,737
SkiStar AB (A)	2,041	26,587
SSAB AB, A Shares (A)	6,444	22,843
SSAB AB, B Shares (A)(B)	10,886	34,505
Systemair AB (A)	901	28,315
The Thule Group AB (A)(D)	390	14,592
Trox Group AB	1,308	30,478
VBG Group AB, B Shares (A)	630	11,762
Wihlborgs Fastigheter AB	6,019	136,048
		4,428,290
Switzerland - 6.4%		
Allreal Holding AG	795	182,551
ALSO Holding AG (A)	433	123,204
APG SGA SA (A)	84	18,681
Arbonia AG (A)	2,962	47,753
Aryzta AG (A)	42,352	33,132
Ascom Holding AG (A)	1,310	19,520
Autoneum Holding AG (A)	221	40,407
Bachem Holding AG, Class B	168	75,132
Baloise Holding AG	446	79,242
Banque Cantonale de Geneve, Bearer Shares	142	25,579
Banque Cantonale Vaudoise	945	102,862
Basilea Pharmaceutica AG (A)	263	15,785
Belimo Holding AG	25	217,188
Bell Food Group AG	138	37,183
Bellevue Group AG	467	16,264
Berner Kantonalbank AG	242	62,366
BKW AG	1,116	125,751
Bobst Group SA	632	38,137
Bossard Holding AG, Class A	310	62,583
Bucher Industries AG	428	196,308
Burckhardt Compression Holding AG	143	49,623
Burkhalter Holding AG	218	16,277
Calida Holding AG (A)	285	10,274
Carlo Gavazzi Holding AG, Bearer Shares (A)	38	7,799
Cembra Money Bank AG	1,587	192,219
Cie Financiere Tradition SA, Bearer Shares	103	12,836
Clariant AG	7,517	159,481
Coltene Holding AG (A)	198	19,242
Comet Holding AG	73	16,404
Conzzeta AG	74	91,011
DKSH Holding AG	1,744	130,664
dormakaba Holding AG	140	79,494
Dufry AG (A)(B)	2,523	158,936
EFG International AG (A)	4,687	30,888
Emmi AG	107	110,268
Energiedienst Holding AG	979	31,143
Evolva Holding SA (A)(B)	72,989	16,515
Feintool International Holding AG (A)	142	9,003
Fenix Outdoor International AG (A)	225	28,039

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Ferrexpo PLC	22,757	\$ 87,710
Flughafen Zurich AG (A)	933	164,620
Forbo Holding AG	47	80,910
Galenica AG (D)	2,038	135,344
GAM Holding AG (A)	11,204	27,603
Georg Fischer AG	248	320,074
Gurit Holding AG, Bearer Shares	22	61,976
Helvetia Holding AG	1,730	182,730
Hiag Immobilien Holding AG (A)	420	52,018
HOCHDORF Holding AG (A)	16	1,136
Huber & Suhner AG	586	46,026
Hypothekbank Lenzburg AG	3	14,342
Implenia AG	994	26,946
Ina Invest Holding AG (A)	199	4,394
Inficon Holding AG	106	97,100
Interroll Holding AG	38	115,971
Intershop Holding AG	76	52,910
IWG PLC (A)	38,584	181,326
Jungfrau Holding AG (A)	199	30,774
Kardex Holding AG	299	65,891
Komax Holding AG (A)	221	43,888
Kongsberg Automotive ASA (A)(B)	236,111	9,650
Kudelski SA, Bearer Shares (B)	2,497	9,665
Landis+Gyr Group AG (A)	160	12,570
LEM Holding SA	19	37,238
Luzerner Kantonalbank AG (A)	173	78,478
Medartis Holding AG (A)(D)	335	17,485
Metall Zug AG, B Shares	12	20,274
Mobilezone Holding AG	3,642	41,426
Mobimo Holding AG (A)	347	112,037
OC Oerlikon Corp. AG	9,769	101,361
Orascom Development Holding AG (A)(B)	533	5,537
Orior AG	425	36,147
Phoenix Mecano AG, Bearer Shares	38	19,996
Piazza AG, Class A	68	23,315
PSP Swiss Property AG	2,174	289,617
Rieter Holding AG	251	27,484
Romande Energie Holding SA	34	43,071
Schaffner Holding AG	40	9,230
Schweiter Technologies AG, Bearer Shares	48	79,980
Sensirion Holding AG (A)(D)	266	17,348
SFS Group AG	900	107,234
Siegfried Holding AG (A)	220	161,916
SIG Combibloc Group AG (A)	8,692	202,379
St. Galler Kantonalbank AG, Class A	152	71,779
Sulzer AG	877	92,748
Swiss Prime Site AG	1,290	126,461
Swiss Steel Holding AG (A)(B)	39,436	10,453
Swissquote Group Holding SA	588	57,132
Tecan Group AG	80	39,239
TX Group AG	201	16,062
u-blox Holding AG (A)(B)	431	28,669
Valiant Holding AG	867	84,476
Valora Holding AG (A)	193	37,820
Varia US Properties AG	539	23,918
VAT Group AG (D)	1,510	377,963
Vaudoise Assurances Holding SA	64	34,400
Vetropack Holding AG (A)	500	33,753
Von Roll Holding AG, Bearer Shares (A)(B)	7,878	7,081
Vontobel Holding AG	1,798	142,938
VZ Holding AG	805	73,794
V-ZUG Holding AG (A)	120	11,941
Walliser Kantonalbank	203	24,093
Wartek Invest AG	8	21,510

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Switzerland (continued)		
Ypsomed Holding AG	103	\$ 17,284
Zehnder Group AG	615	40,810
Zug Estates Holding AG, B Shares	16	36,681
Zuger Kantonalbank AG, Bearer Shares	9	65,240
		7,423,116
Taiwan - 0.0%		
Ya Hsin Industrial Company, Ltd. (A)(C)	138,000	0
United Kingdom - 13.0%		
4imprint Group PLC (A)	1,523	53,315
A.G. Barr PLC (A)	4,718	33,445
AA PLC (A)	34,743	15,931
Afren PLC (A)(C)	55,554	0
Aggreko PLC	12,621	108,189
AJ Bell PLC	5,169	30,684
Alliance Pharma PLC	8,718	10,430
Anglo Pacific Group PLC	12,147	21,262
Anglo-Eastern Plantations PLC	1,225	9,787
Arrow Global Group PLC (A)	6,931	19,378
Ascential PLC (A)	15,022	78,645
Ashmore Group PLC	15,764	93,086
ASOS PLC (A)	623	40,600
Avon Rubber PLC	2,060	89,012
Babcock International Group PLC (A)	22,879	87,427
Balfour Beatty PLC	34,581	127,996
Beazley PLC	24,625	122,780
Bellway PLC	5,716	230,771
Biffa PLC (A)(D)	7,100	22,334
Bodycote PLC	9,417	96,020
boohoo Group PLC (A)	8,413	39,493
Braemar Shipping Services PLC (A)	1,328	2,815
Brewin Dolphin Holdings PLC	15,066	62,711
Britvic PLC	13,590	150,959
Cairn Energy PLC (A)	28,458	81,599
Capita PLC (A)	17,050	9,135
Card Factory PLC (A)	14,688	8,590
CareTech Holdings PLC	4,102	29,292
Carillion PLC (A)(C)	35,521	4,658
Central Asia Metals PLC	8,189	26,885
Centrica PLC (A)	114,465	72,630
Chemring Group PLC	13,921	54,200
Chesnara PLC	7,709	31,581
Cineworld Group PLC (A)	27,060	23,811
Circassia Group PLC (A)	9,034	3,459
Clarkson PLC	1,348	49,746
Clinigen Group PLC	2,667	24,645
Close Brothers Group PLC	9,047	170,618
CLS Holdings PLC	10,759	32,990
CMC Markets PLC (D)	7,009	37,683
Coats Group PLC (A)	23,020	21,211
Computacenter PLC	3,268	109,436
Concentric AB	2,526	56,438
ConvaTec Group PLC (D)	20,021	54,353
Costain Group PLC (A)	4,797	3,883
Countryside Properties PLC (A)(D)	20,199	128,806
Cranswick PLC	2,698	129,654
Crest Nicholson Holdings PLC (A)	13,693	61,058
CVS Group PLC (A)	1,878	38,674
Daily Mail & General Trust PLC, Class A	8,797	89,262
De La Rue PLC (A)	10,028	23,014
Debenhams PLC (A)(C)	76,182	0
Devro PLC	12,253	25,692
DFS Furniture PLC (A)	12,509	37,754
Dialight PLC (A)	105	372
Dialog Semiconductor PLC (A)	4,280	233,229
Dignity PLC (A)	3,439	29,760

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Diploma PLC	6,822	\$ 203,983
DiscoverIE Group PLC	5,627	52,139
Dixons Carphone PLC (A)	44,671	70,831
Domino's Pizza Group PLC	21,324	91,887
Drax Group PLC	21,413	109,927
Dunelm Group PLC (A)	5,863	97,072
easyJet PLC	2,410	27,352
Electrocomponents PLC	21,951	261,006
Elementis PLC (A)	35,393	55,559
EMIS Group PLC	1,913	28,256
Energiean PLC (A)	381	3,746
EnQuest PLC (A)	109,392	16,822
Equiniti Group PLC (A)(D)	10,616	16,037
Essentra PLC (A)	14,966	62,817
Euromoney Institutional Investor PLC	4,334	63,326
FDM Group Holdings PLC	3,208	49,589
Fevertree Drinks PLC	4,451	153,981
Firstgroup PLC (A)	78,582	79,903
Forterra PLC (A)(D)	6,408	21,345
Foxtons Group PLC (A)	23,551	17,677
Frasers Group PLC (A)	10,048	61,874
Fuller Smith & Turner PLC, Class A (A)	1,525	14,594
G4S PLC (A)	73,635	255,773
Galliford Try Holdings PLC (A)	5,675	9,551
Games Workshop Group PLC	2,802	429,047
Gamesys Group PLC	3,107	48,366
Gamma Communications PLC	597	13,439
Gem Diamonds, Ltd. (A)	12,666	7,095
Genus PLC	313	17,910
GoCo Group PLC	23,140	40,961
Grainger PLC	32,768	127,458
Greggs PLC (A)	5,441	133,139
Gulf Keystone Petroleum, Ltd. (A)	7,420	12,449
Halfords Group PLC (A)	15,547	56,895
Hays PLC	77,290	151,621
Headlam Group PLC (A)	6,602	32,484
Helical PLC	8,263	42,279
Henry Boot PLC	5,301	18,498
Hill & Smith Holdings PLC	4,214	81,263
Hilton Food Group PLC	2,375	36,263
Hollywood Bowl Group PLC	8,153	22,789
Howden Joinery Group PLC (A)	15,320	144,321
Hunting PLC	8,331	25,316
Hurricane Energy PLC (A)(B)	21,839	749
Hyve Group PLC	12,149	18,852
Ibstock PLC (A)(D)	19,043	53,725
IG Group Holdings PLC	18,323	215,243
IMI PLC	13,430	214,013
Inchcape PLC (A)	19,909	175,265
Indivior PLC (A)	37,592	55,910
IntegraFin Holdings PLC	3,987	30,242
Intermediate Capital Group PLC	794	18,683
International Personal Finance PLC (A)	12,526	13,879
iomart Group PLC	2,265	9,920
IP Group PLC (A)	38,897	52,823
ITV PLC (A)	38,891	56,672
J.D. Wetherspoon PLC (A)	3,666	56,082
James Fisher & Sons PLC	3,550	46,052
James Halstead PLC	2,706	18,082
JET2 PLC (A)	4,917	95,908
John Laing Group PLC (D)	17,773	80,849
John Menzies PLC (A)	7,323	26,153
John Wood Group PLC (A)	29,391	123,981
Johnson Service Group PLC (A)	7,514	14,352
Jupiter Fund Management PLC	22,824	88,235

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Just Group PLC (A)	37,116	\$ 35,746
Kainos Group PLC	4,099	68,404
KAZ Minerals PLC	11,463	102,886
Keller Group PLC	4,206	40,076
Kier Group PLC (A)	12,017	12,795
Kin & Carta PLC (A)	3,492	6,772
Lancashire Holdings, Ltd.	11,586	114,921
Liontrust Asset Management PLC	318	5,660
Lookers PLC (A)(C)	22,449	6,447
LSL Property Services PLC (A)	6,404	25,496
M&C Saatchi PLC (A)	253	288
Man Group PLC	73,477	138,740
Marks & Spencer Group PLC (A)	20,559	38,135
Marshalls PLC (A)	11,457	117,213
Marston's PLC (A)	37,566	38,784
McBride PLC (A)	14,770	16,599
McCarthy & Stone PLC (A)(D)	19,899	32,683
Mears Group PLC (A)	8,289	17,590
Meggitt PLC (A)	18,019	114,585
Metro Bank PLC (A)	674	1,288
Mitchells & Butlers PLC (A)	12,079	39,823
Mitie Group PLC (A)	68,528	38,546
MJ Gleeson PLC (A)	2,770	29,623
Moneysupermarket.com Group PLC	27,587	98,527
Morgan Advanced Materials PLC	14,263	60,739
Morgan Sindall Group PLC	2,826	59,102
N. Brown Group PLC	9,633	7,948
Naked Wines PLC (A)	3,126	28,496
National Express Group PLC (A)	23,513	76,357
NCC Group PLC	13,335	46,211
Next Fifteen Communications Group PLC (A)	2,559	18,435
Norcros PLC (A)	6,666	18,310
Numis Corp. PLC	2,926	13,532
On the Beach Group PLC (D)	5,451	27,721
OSB Group PLC (A)	13,146	76,151
Oxford Instruments PLC (A)	3,699	100,959
Pagegroup PLC (A)	14,252	87,104
Pan African Resources PLC	85,815	27,564
Paragon Banking Group PLC	13,704	91,848
PayPoint PLC	2,581	23,134
Pendragon PLC (A)	102,667	18,340
Petrofac, Ltd. (A)	12,318	23,209
Pets at Home Group PLC	24,400	138,813
Pharos Energy PLC (A)	16,636	4,201
Photo-Me International PLC (A)	18,684	12,434
Polar Capital Holdings PLC	1,442	13,775
Polypipe Group PLC (A)	12,035	98,268
Porvair PLC	2,468	17,927
Premier Foods PLC (A)	41,106	56,130
Premier Oil PLC (A)(B)	52,556	13,991
Provident Financial PLC (A)	7,268	30,452
PZ Cussons PLC	16,024	50,382
QinetiQ Group PLC	27,714	121,159
Quilter PLC (D)	84,985	177,985
Rank Group PLC	7,303	13,925
Rathbone Brothers PLC	2,988	62,889
Reach PLC (A)	28,863	57,034
Redde Northgate PLC	8,929	32,560
Redrow PLC (A)	17,561	136,987
Renew Holdings PLC	4,150	31,906
Renewi PLC (A)	52,764	29,572
Renishaw PLC (A)	1,380	108,822
Ricardo PLC	2,982	13,994
RM PLC (A)	8,752	26,172

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Robert Walters PLC	4,693	\$ 30,455
Rotork PLC	41,331	179,784
Royal Mail PLC (A)	44,161	203,538
RPS Group PLC (A)	15,418	14,800
RWS Holdings PLC	10,029	73,473
Sabre Insurance Group PLC (D)	839	3,189
Saga PLC (A)	2,378	8,256
Savills PLC (A)	8,205	107,064
Scapa Group PLC (A)	9,781	24,774
Senior PLC (A)	21,835	26,661
Severfield PLC	11,941	11,381
SIG PLC (A)	64,105	27,618
Signature Aviation PLC (A)	44,224	233,076
Smart Metering Systems PLC	3,350	32,539
Softcat PLC	5,177	97,379
Spectris PLC	6,138	236,414
Speedy Hire PLC (A)	24,369	23,922
Spire Healthcare Group PLC (A)(D)	8,597	18,390
Spirent Communications PLC	33,589	121,436
Sportech PLC (A)	11,390	4,262
SSP Group PLC	24,866	112,891
St. Modwen Properties PLC	11,275	61,951
Stagecoach Group PLC	27,597	27,821
SThree PLC (A)	8,144	33,101
Stobart Group, Ltd. (A)	22,446	7,945
Stock Spirits Group PLC	6,082	22,306
Stolt-Nielsen, Ltd.	2,414	30,911
Studio Retail Group PLC (A)	8,139	32,449
STV Group PLC (A)	2,712	11,213
Superdry PLC (A)	3,110	10,500
Synthomer PLC	15,208	93,308
TalkTalk Telecom Group PLC	31,116	41,532
Tate & Lyle PLC	23,148	213,291
Ted Baker PLC (A)	2,896	4,590
Telecom Plus PLC	3,652	71,512
Telit Communications PLC (A)	5,999	16,081
The Go-Ahead Group PLC	3,096	41,861
The Gym Group PLC (A)(D)	3,234	9,600
The Restaurant Group PLC (A)	8,885	7,830
The Vitec Group PLC (A)	2,842	35,623
The Weir Group PLC (A)	7,114	193,427
Thomas Cook Group PLC (A)(C)	58,171	0
Topps Tiles PLC (A)	15,591	12,257
TP ICAP PLC	32,445	105,500
Travis Perkins PLC (A)	13,094	241,070
Trifast PLC	7,237	15,103
TT Electronics PLC (A)	14,769	41,449
Tullow Oil PLC (A)(B)	72,437	29,229
U & I Group PLC (A)	12,008	10,214
Ultra Electronics Holdings PLC	3,309	93,132
Vectura Group PLC (A)	30,807	52,401
Vesuvius PLC	12,719	93,036
Victrex PLC	4,663	149,175
Virgin Money UK PLC (A)	28,550	52,575
Vistry Group PLC (A)	11,609	149,201
Volex PLC	3,136	13,181
Vp PLC	637	6,919
Watkin Jones PLC	6,905	17,326
WH Smith PLC	5,673	116,986
William Hill PLC (A)	45,198	166,416
Wilmington PLC	8,076	17,609
Wincanton PLC	10,534	36,892
Xaar PLC (A)	5,629	13,726

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

International Small Company Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
United Kingdom (continued)		
Young & Company's Brewery PLC, Class A (A)	213	\$ 3,807
		15,175,021
United States - 0.5%		
Argonaut Gold, Inc. (A)	12,559	27,034
Energy Fuels, Inc. (A)(B)	730	3,097
Invesque, Inc. (B)	2,000	3,660
Ovintiv, Inc.	4,346	62,447
Primo Water Corp.	1,600	25,088
Primo Water Corp. (Toronto Stock Exchange)	6,607	103,603
PureTech Health PLC (A)	8,592	47,184
REC Silicon ASA (A)	13,597	25,399
Reliance Worldwide Corp., Ltd.	32,462	101,644
Samsonite International SA (A)(D)	44,700	79,392
Sims, Ltd.	9,104	94,138
Viemed Healthcare, Inc. (A)	2,600	20,176
		592,862
TOTAL COMMON STOCKS (Cost \$109,777,705)		\$ 114,378,598
PREFERRED SECURITIES - 0.3%		
Germany - 0.3%		
Biotest AG	486	16,730
Draegerwerk AG & Company KGaA	565	43,733
FUCHS PETROLUB SE	2,535	143,030
Jungheinrich AG	2,134	95,375
Sixt SE	838	58,737
STO SE & Company KGaA	124	19,535
Villeroy & Boch AG	625	10,944
		388,084
TOTAL PREFERRED SECURITIES (Cost \$280,157)		\$ 388,084

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Mini MSCI EAFE Index Futures	9	Long	Mar 2021	\$949,615	\$959,130	\$9,515
						\$9,515

[^] 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) - 82.5%		
Equity - 82.5%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	1,495,048	\$ 31,366,104
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$27,974,956)		\$ 31,366,104
UNAFFILIATED INVESTMENT COMPANIES - 17.6%		
Exchange-traded funds - 17.6%		
Financial Select Sector SPDR Fund	23,155	682,609
Vanguard Energy ETF	9,054	469,540
Vanguard FTSE Emerging Markets ETF	40,214	2,015,124
Vanguard Health Care ETF	1,185	265,120
Vanguard Information Technology ETF	2,667	943,558

International Small Company Trust (continued)

	Shares or Principal Amount	Value
WARRANTS - 0.0%		
Technicolor SA (Expiration Date: 9-22-24; Strike Price: EUR 3.58) (A)(B)	685	\$ 217
TOTAL WARRANTS (Cost \$0)		\$ 217
SHORT-TERM INVESTMENTS - 6.7%		
Short-term funds - 6.7%		
John Hancock Collateral Trust, 0.1386% (E)(F)	779,844	7,803,195
TOTAL SHORT-TERM INVESTMENTS (Cost \$7,804,623)		\$ 7,803,195
Total Investments (International Small Company Trust) (Cost \$117,862,485) - 105.2%		
		\$ 122,570,094
Other assets and liabilities, net - (5.2%)		
		\$ (6,044,981)
TOTAL NET ASSETS - 100.0%		
		\$ 116,525,113

Currency Abbreviations

EUR Euro

Security Abbreviations and Legend

CVR Contingent Value Right

NYRS New York Registry Shares

(A) Non-income producing security.

(B) All or a portion of this security is on loan as of 12-31-20.

(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) The rate shown is the annualized seven-day yield as of 12-31-20.

(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.

Lifestyle Aggressive Portfolio (continued)

	Shares or Principal Amount	Value
UNAFFILIATED INVESTMENT COMPANIES (continued)		
Exchange-traded funds (continued)		
Vanguard Materials ETF	1,014	\$ 159,168
Vanguard Mid-Cap ETF	5,521	1,141,577
Vanguard Real Estate ETF	4,448	377,769
Vanguard Small-Cap ETF	3,146	612,463
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$5,281,378)		\$ 6,666,928

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Lifestyle Aggressive Portfolio (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (C)	11,327	\$ 11,327
TOTAL SHORT-TERM INVESTMENTS (Cost \$11,327)		\$ 11,327
Total Investments (Lifestyle Aggressive Portfolio) (Cost \$33,267,661) - 100.1%		\$ 38,044,359
Other assets and liabilities, net - (0.1%)		(26,783)
TOTAL NET ASSETS - 100.0%		\$ 38,017,576

Security Abbreviations and Legend

JHVIT	John Hancock Variable Insurance Trust
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying portfolios' subadvisor is shown parenthetically.
(B)	The subadvisor is an affiliate of the advisor.
(C)	The rate shown is the annualized seven-day yield as of 12-31-20.

Lifestyle Balanced Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 50.5%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	27,392,919	\$ 574,703,440
Fixed income - 49.5%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	38,570,432	562,356,901
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$1,006,605,288)		\$ 1,137,060,341
Total Investments (Lifestyle Balanced Portfolio) (Cost \$1,006,605,288) - 100.0%		\$ 1,137,060,341
Other assets and liabilities, net - (0.0%)		(34,946)
TOTAL NET ASSETS - 100.0%		\$ 1,137,025,395

Security Abbreviations and Legend

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Lifestyle Conservative Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 20.1%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	2,233,545	\$ 46,859,783
Fixed income - 79.9%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	12,813,018	186,813,798
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$217,417,363)		\$ 233,673,581
Total Investments (Lifestyle Conservative Portfolio) (Cost \$217,417,363) - 100.0%		\$ 233,673,581
Other assets and liabilities, net - (0.0%)		(16,177)
TOTAL NET ASSETS - 100.0%		\$ 233,657,404

Security Abbreviations and Legend

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Lifestyle Growth Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 71.3%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	214,294,601	\$ 4,495,884,799
Fixed income - 28.7%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	123,852,426	1,805,768,365
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$5,398,265,197)		\$ 6,301,653,164
SHORT-TERM INVESTMENTS - 0.0%		
Short-term funds - 0.0%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (C)	11	11
TOTAL SHORT-TERM INVESTMENTS (Cost \$11)		\$ 11
Total Investments (Lifestyle Growth Portfolio) (Cost \$5,398,265,208) - 100.0%		\$ 6,301,653,175
Other assets and liabilities, net - (0.0%)		(127,241)
TOTAL NET ASSETS - 100.0%		\$ 6,301,525,934

Security Abbreviations and Legend

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Lifestyle Moderate Portfolio

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 100.0%		
Equity - 40.4%		
Strategic Equity Allocation, Series NAV, JHVIT (MIM US) (B)	6,852,437	\$ 143,764,119
Fixed income - 59.6%		
Select Bond, Series NAV, JHVIT (MIM US) (B)	14,570,645	212,440,006
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$321,722,784)		\$ 356,204,125
Total Investments (Lifestyle Moderate Portfolio) (Cost \$321,722,784) - 100.0%		\$ 356,204,125
Other assets and liabilities, net - (0.0%)		(18,762)
TOTAL NET ASSETS - 100.0%		\$ 356,185,363

Security Abbreviations and Legend

JHVIT	John Hancock Variable Insurance Trust
MIM US	Manulife Investment Management (US) LLC
(A)	The underlying portfolios' subadvisor is shown parenthetically.
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Mid Cap Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS - 98.7%		
Communication services - 1.7%		
Entertainment - 0.2%		
Cinemark Holdings, Inc.	67,262	\$ 1,171,031
World Wrestling Entertainment, Inc., Class A	29,326	1,409,114
		2,580,145
Interactive media and services - 0.2%		
TripAdvisor, Inc. (A)	60,361	1,737,190
Yelp, Inc. (A)	43,180	1,410,691
		3,147,881

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media – 1.2%		
Cable One, Inc.	3,391	\$ 7,554,199
John Wiley & Sons, Inc., Class A	27,409	1,251,495
TEGNA, Inc.	137,531	1,918,557
The New York Times Company, Class A	90,688	4,694,918
		15,419,169
Wireless telecommunication services – 0.1%		
Telephone & Data Systems, Inc.	62,525	1,161,089
		22,308,284
Consumer discretionary – 14.0%		
Auto components – 1.6%		
Adient PLC (A)	58,971	2,050,422
Dana, Inc.	90,754	1,771,518
Fox Factory Holding Corp. (A)	26,028	2,751,420
Gentex Corp.	153,210	5,198,415
Lear Corp.	34,107	5,424,036
The Goodyear Tire & Rubber Company	146,360	1,596,788
Visteon Corp. (A)	17,282	2,169,237
		20,961,836
Automobiles – 0.5%		
Harley-Davidson, Inc.	95,563	3,507,162
Thor Industries, Inc. (B)	34,672	3,224,149
		6,731,311
Diversified consumer services – 1.1%		
Adtalem Global Education, Inc. (A)	32,585	1,106,261
Graham Holdings Company, Class B	2,516	1,341,984
Grand Canyon Education, Inc. (A)	29,290	2,727,192
H&R Block, Inc.	114,552	1,816,795
Service Corp. International	108,006	5,303,095
Strategic Education, Inc.	15,331	1,461,504
WW International, Inc. (A)	29,477	719,239
		14,476,070
Hotels, restaurants and leisure – 4.0%		
Boyd Gaming Corp. (A)	50,375	2,162,095
Caesars Entertainment, Inc. (A)	130,226	9,671,885
Choice Hotels International, Inc.	18,084	1,930,105
Churchill Downs, Inc.	22,168	4,318,105
Cracker Barrel Old Country Store, Inc.	14,883	1,963,365
Jack in the Box, Inc.	14,245	1,321,936
Marriott Vacations Worldwide Corp.	25,598	3,512,558
Papa John's International, Inc.	20,611	1,748,843
Penn National Gaming, Inc. (A)	92,264	7,968,842
Scientific Games Corp. (A)	35,097	1,456,175
Six Flags Entertainment Corp.	47,385	1,615,829
Texas Roadhouse, Inc.	40,661	3,178,064
The Wendy's Company	112,469	2,465,320
Wingstop, Inc.	18,592	2,464,370
Wyndham Destinations, Inc.	53,549	2,402,208
Wyndham Hotels & Resorts, Inc.	58,068	3,451,562
		51,631,262
Household durables – 1.5%		
Helen of Troy, Ltd. (A)	15,906	3,534,154
KB Home	55,313	1,854,092
Taylor Morrison Home Corp. (A)	81,465	2,089,577
Tempur Sealy International, Inc. (A)	119,556	3,228,012
Toll Brothers, Inc.	71,567	3,111,017
TopBuild Corp. (A)	20,637	3,798,859
TRI Pointe Group, Inc. (A)	79,169	1,365,665
		18,981,376
Internet and direct marketing retail – 0.3%		
GrubHub, Inc. (A)	57,962	4,304,838
Leisure products – 0.8%		
Brunswick Corp.	48,959	3,732,634

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Leisure products (continued)		
Mattel, Inc. (A)	217,895	\$ 3,802,268
Polaris, Inc.	36,217	3,450,756
		10,985,658
Multiline retail – 0.7%		
Kohl's Corp.	98,453	4,006,053
Nordstrom, Inc. (B)	68,110	2,125,713
Ollie's Bargain Outlet Holdings, Inc. (A)	35,412	2,895,639
		9,027,405
Specialty retail – 2.5%		
American Eagle Outfitters, Inc.	93,559	1,877,729
AutoNation, Inc. (A)	36,704	2,561,572
Dick's Sporting Goods, Inc.	40,921	2,300,169
Five Below, Inc. (A)	34,920	6,110,302
Foot Locker, Inc.	65,472	2,647,688
Lithia Motors, Inc., Class A	16,335	4,780,764
Murphy USA, Inc.	16,617	2,174,667
RH (A)	9,761	4,368,243
Urban Outfitters, Inc. (A)	42,993	1,100,621
Williams-Sonoma, Inc.	47,874	4,875,488
		32,797,243
Textiles, apparel and luxury goods – 1.0%		
Carter's, Inc.	27,131	2,552,213
Columbia Sportswear Company	19,113	1,670,094
Deckers Outdoor Corp. (A)	17,601	5,047,615
Skechers USA, Inc., Class A (A)	84,675	3,043,220
		12,313,142
		182,210,141
Consumer staples – 3.6%		
Beverages – 0.4%		
The Boston Beer Company, Inc., Class A (A)	5,722	5,689,327
Food and staples retailing – 0.9%		
BJ's Wholesale Club Holdings, Inc. (A)	85,831	3,199,780
Casey's General Stores, Inc.	23,039	4,115,226
Grocery Outlet Holding Corp. (A)	53,581	2,103,054
Sprouts Farmers Market, Inc. (A)	74,084	1,489,088
		10,907,148
Food products – 1.9%		
Darling Ingredients, Inc. (A)	101,269	5,841,196
Flowers Foods, Inc.	122,499	2,772,152
Ingredion, Inc.	41,759	3,285,181
Lancaster Colony Corp.	12,275	2,255,286
Pilgrim's Pride Corp. (A)	30,657	601,184
Post Holdings, Inc. (A)	38,284	3,867,067
Sanderson Farms, Inc.	12,433	1,643,643
The Hain Celestial Group, Inc. (A)(B)	51,588	2,071,258
Tootsie Roll Industries, Inc. (B)	10,962	325,571
TreeHouse Foods, Inc. (A)	35,490	1,507,970
		24,170,508
Household products – 0.1%		
Energizer Holdings, Inc.	36,582	1,543,029
Personal products – 0.3%		
Coty, Inc., Class A	177,810	1,248,226
Edgewell Personal Care Company	34,142	1,180,630
Nu Skin Enterprises, Inc., Class A	31,788	1,736,578
		4,165,434
		46,475,446
Energy – 1.2%		
Energy equipment and services – 0.1%		
ChampionX Corp. (A)	116,720	1,785,816

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels – 1.1%		
Antero Midstream Corp.	179,618	\$ 1,384,855
Cimarex Energy Company	63,469	2,380,722
CNX Resources Corp. (A)	141,060	1,523,448
EQT Corp.	171,250	2,176,588
Equitrans Midstream Corp.	255,348	2,052,998
Murphy Oil Corp.	90,690	1,097,349
World Fuel Services Corp.	39,880	1,242,661
WPX Energy, Inc. (A)	250,612	2,042,488
		13,901,109
		15,686,925
Financials – 14.8%		
Banks – 6.2%		
Associated Banc-Corp.	96,533	1,645,888
BancorpSouth Bank	60,561	1,661,794
Bank of Hawaii Corp.	25,156	1,927,453
Bank OZK	75,119	2,348,971
Cathay General Bancorp	47,011	1,513,284
CIT Group, Inc.	61,837	2,219,948
Commerce Bancshares, Inc.	65,775	4,321,418
Cullen/Frost Bankers, Inc.	35,052	3,057,586
East West Bancorp, Inc. (B)	88,230	4,474,143
First Financial Bankshares, Inc. (B)	89,216	3,227,389
First Horizon Corp.	347,526	4,434,432
FNB Corp.	199,854	1,898,613
Fulton Financial Corp.	101,802	1,294,921
Glacier Bancorp, Inc.	59,929	2,757,333
Hancock Whitney Corp.	54,240	1,845,245
Home BancShares, Inc.	95,469	1,859,736
International Bancshares Corp.	34,971	1,309,314
PacWest Bancorp	73,333	1,862,658
Pinnacle Financial Partners, Inc.	47,238	3,042,127
Prosperity Bancshares, Inc.	57,667	3,999,783
Signature Bank	33,443	4,524,503
Sterling Bancorp	120,727	2,170,671
Synovus Financial Corp.	92,531	2,995,228
TCF Financial Corp.	95,622	3,539,926
Texas Capital Bancshares, Inc. (A)	31,688	1,885,436
Trustmark Corp.	39,837	1,087,948
UMB Financial Corp.	27,149	1,873,010
Umpqua Holdings Corp.	138,327	2,094,271
United Bankshares, Inc.	80,689	2,614,324
Valley National Bancorp	251,098	2,448,206
Webster Financial Corp.	56,063	2,363,055
Wintrust Financial Corp.	36,181	2,210,297
		80,508,911
Capital markets – 2.6%		
Affiliated Managers Group, Inc.	28,343	2,882,483
Eaton Vance Corp.	71,328	4,845,311
Evercore, Inc., Class A	25,496	2,795,381
FactSet Research Systems, Inc.	23,764	7,901,530
Federated Hermes, Inc.	58,914	1,702,025
Interactive Brokers Group, Inc., Class A	50,493	3,076,034
Janus Henderson Group PLC	92,928	3,021,089
SEI Investments Company	75,006	4,310,595
Stifel Financial Corp.	64,594	3,259,413
		33,793,861
Consumer finance – 0.8%		
FirstCash, Inc.	26,030	1,823,141
LendingTree, Inc. (A)(B)	6,789	1,858,760
Navient Corp.	116,031	1,139,424
PROG Holdings, Inc. (A)	42,173	2,271,860
SLM Corp.	233,618	2,894,527
		9,987,712

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified financial services – 0.2%		
Jefferies Financial Group, Inc.	129,257	\$ 3,179,722
Insurance – 4.3%		
Alleghany Corp.	8,948	5,401,818
American Financial Group, Inc.	43,967	3,852,389
Brighthouse Financial, Inc. (A)	55,881	2,023,172
Brown & Brown, Inc.	147,444	6,990,320
CNO Financial Group, Inc.	86,787	1,929,275
First American Financial Corp.	69,571	3,591,951
Genworth Financial, Inc., Class A (A)	317,838	1,201,428
Kemper Corp.	38,574	2,963,640
Kinsale Capital Group, Inc.	13,347	2,671,135
Mercury General Corp.	16,690	871,385
Old Republic International Corp.	176,271	3,474,301
Primerica, Inc.	24,572	3,290,928
Reinsurance Group of America, Inc.	42,463	4,921,462
RenaissanceRe Holdings, Ltd.	31,785	5,270,589
RLI Corp.	24,848	2,587,919
Selective Insurance Group, Inc.	37,569	2,516,372
The Hanover Insurance Group, Inc.	23,289	2,722,950
		56,281,034
Thrifts and mortgage finance – 0.7%		
Essent Group, Ltd.	70,064	3,026,765
MGIC Investment Corp.	211,501	2,654,338
New York Community Bancorp, Inc.	288,920	3,048,106
Washington Federal, Inc.	47,553	1,224,014
		9,953,223
		193,704,463
Health care – 10.9%		
Biotechnology – 1.5%		
Arrowhead Pharmaceuticals, Inc. (A)	64,252	4,930,056
Emergent BioSolutions, Inc. (A)	28,257	2,531,827
Exelixis, Inc. (A)(B)	194,089	3,895,366
Halozyne Therapeutics, Inc. (A)	79,399	3,391,131
Ligand Pharmaceuticals, Inc. (A)(B)	10,099	1,004,346
United Therapeutics Corp. (A)	27,723	4,208,074
		19,960,800
Health care equipment and supplies – 3.3%		
Avanos Medical, Inc. (A)	30,044	1,378,419
Cantel Medical Corp.	23,565	1,858,336
Globus Medical, Inc., Class A (A)	47,711	3,111,711
Haemonetics Corp. (A)	31,631	3,756,181
Hill-Rom Holdings, Inc.	41,837	4,098,771
ICU Medical, Inc. (A)	12,231	2,623,427
Integra LifeSciences Holdings Corp. (A)	44,047	2,859,531
LivaNova PLC (A)	30,188	1,998,747
Masimo Corp. (A)	31,657	8,496,106
Neogen Corp. (A)	32,996	2,616,583
NuVasive, Inc. (A)	32,193	1,813,432
Penumbra, Inc. (A)(B)	21,092	3,691,100
Quidel Corp. (A)	23,978	4,307,648
		42,609,992
Health care providers and services – 3.0%		
Acadia Healthcare Company, Inc. (A)	55,356	2,782,193
Amedisys, Inc. (A)	20,519	6,018,838
Chemed Corp.	9,999	5,325,567
Encompass Health Corp.	62,158	5,139,845
HealthEquity, Inc. (A)	48,170	3,357,931
LHC Group, Inc. (A)	19,719	4,206,457
Molina Healthcare, Inc. (A)	37,084	7,887,025
Patterson Companies, Inc.	54,470	1,613,946
Tenet Healthcare Corp. (A)	66,198	2,643,286
		38,975,088

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services – 2.4%		
Bio-Techne Corp.	24,130	\$ 7,662,482
Charles River Laboratories International, Inc. (A)	31,094	7,769,147
Medpace Holdings, Inc. (A)	17,299	2,408,021
PRA Health Sciences, Inc. (A)	40,176	5,039,677
Repligen Corp. (A)	31,463	6,029,255
Syneos Health, Inc. (A)	47,446	3,232,496
		32,141,078
Pharmaceuticals – 0.7%		
Jazz Pharmaceuticals PLC (A)	34,835	5,749,517
Nektar Therapeutics (A)	112,372	1,910,324
Prestige Consumer Healthcare, Inc. (A)	31,525	1,099,277
		8,759,118
		142,446,076
Industrials – 17.5%		
Aerospace and defense – 1.0%		
Axon Enterprise, Inc. (A)	39,660	4,859,540
Curtiss-Wright Corp.	25,894	3,012,767
Hexcel Corp.	51,935	2,518,328
Mercury Systems, Inc. (A)	34,867	3,070,388
		13,461,023
Air freight and logistics – 0.5%		
XPO Logistics, Inc. (A)	57,152	6,812,518
Airlines – 0.2%		
JetBlue Airways Corp. (A)	196,348	2,854,900
Building products – 1.9%		
Builders FirstSource, Inc. (A)	129,091	5,268,204
Lennox International, Inc.	21,774	5,965,423
Owens Corning	67,506	5,114,255
Simpson Manufacturing Company, Inc.	27,031	2,526,047
Trex Company, Inc. (A)	72,398	6,061,161
		24,935,090
Commercial services and supplies – 2.0%		
Clean Harbors, Inc. (A)	31,754	2,416,479
Healthcare Services Group, Inc.	46,747	1,313,591
Herman Miller, Inc.	36,978	1,249,856
HNI Corp.	26,805	923,700
IAA, Inc. (A)	84,137	5,467,222
KAR Auction Services, Inc.	81,172	1,510,611
MSA Safety, Inc.	22,714	3,393,244
Stericycle, Inc. (A)	57,100	3,958,743
Tetra Tech, Inc.	33,629	3,893,566
The Brink's Company	30,864	2,222,208
		26,349,220
Construction and engineering – 1.2%		
AECOM (A)	94,251	4,691,815
Dycom Industries, Inc. (A)	19,999	1,510,324
EMCOR Group, Inc.	34,207	3,128,572
Fluor Corp.	78,362	1,251,441
MasTec, Inc. (A)	35,239	2,402,595
Valmont Industries, Inc.	13,272	2,321,671
		15,306,418
Electrical equipment – 2.4%		
Acuity Brands, Inc.	23,017	2,787,129
EnerSys	26,681	2,216,124
Generac Holdings, Inc. (A)	39,307	8,938,805
Hubbell, Inc.	33,900	5,315,181
nVent Electric PLC	106,737	2,485,905
Regal Beloit Corp.	25,489	3,130,304
Sunrun, Inc. (A)	97,631	6,773,639
		31,647,087

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Industrial conglomerates – 0.4%		
Carlisle Companies, Inc.	33,372	\$ 5,212,039
Machinery – 4.8%		
AGCO Corp.	38,317	3,950,100
Colfax Corp. (A)	63,209	2,417,112
Crane Company	30,981	2,405,984
Donaldson Company, Inc.	78,778	4,402,115
Graco, Inc.	104,716	7,576,203
ITT, Inc.	53,945	4,154,844
Kennametal, Inc.	52,089	1,887,705
Lincoln Electric Holdings, Inc.	37,290	4,334,963
Nordson Corp.	33,761	6,784,273
Oshkosh Corp.	42,486	3,656,770
Terex Corp.	43,529	1,518,727
The Middleby Corp. (A)	34,743	4,479,068
The Timken Company	42,454	3,284,241
The Toro Company	67,116	6,365,281
Trinity Industries, Inc.	52,651	1,389,460
Woodward, Inc.	36,442	4,428,796
		63,035,642
Marine – 0.2%		
Kirby Corp. (A)	37,711	1,954,561
Professional services – 1.1%		
ASGN, Inc. (A)	32,977	2,754,569
CoreLogic, Inc.	48,639	3,760,767
FTI Consulting, Inc. (A)	22,301	2,491,468
Insperty, Inc.	22,280	1,814,038
ManpowerGroup, Inc.	35,935	3,240,618
		14,061,460
Road and rail – 0.9%		
Avis Budget Group, Inc. (A)	32,383	1,207,886
Knight-Swift Transportation Holdings, Inc.	78,495	3,282,661
Landstar System, Inc.	23,918	3,220,798
Ryder System, Inc.	33,805	2,087,797
Werner Enterprises, Inc.	36,457	1,429,844
		11,228,986
Trading companies and distributors – 0.9%		
GATX Corp.	21,984	1,828,629
MSC Industrial Direct Company, Inc., Class A	28,595	2,413,132
Univar Solutions, Inc. (A)	106,192	2,018,710
Watsco, Inc.	20,505	4,645,408
		10,905,879
		227,764,823
Information technology – 17.1%		
Communications equipment – 1.0%		
Ciena Corp. (A)	96,508	5,100,448
InterDigital, Inc.	19,350	1,174,158
Lumentum Holdings, Inc. (A)	47,235	4,477,878
NetScout Systems, Inc. (A)	45,511	1,247,912
ViaSat, Inc. (A)	40,280	1,315,142
		13,315,538
Electronic equipment, instruments and components – 3.8%		
Arrow Electronics, Inc. (A)	47,235	4,595,966
Avnet, Inc.	62,045	2,178,400
Belden, Inc.	27,962	1,171,608
Cognex Corp.	109,199	8,767,042
Coherent, Inc. (A)	15,236	2,285,705
II-VI, Inc. (A)	64,765	4,919,549
Jabil, Inc.	84,110	3,577,198
Littelfuse, Inc.	15,290	3,893,751
National Instruments Corp.	81,941	3,600,488
SYNNEX Corp.	25,876	2,107,341

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Trimble, Inc. (A)	156,431	\$ 10,444,889
Vishay Intertechnology, Inc.	83,265	1,724,418
		49,266,355
IT services – 2.4%		
Alliance Data Systems Corp.	29,971	2,220,851
CACI International, Inc., Class A (A)	15,764	3,930,438
Concentrix Corp. (A)	25,621	2,528,793
KBR, Inc.	89,418	2,765,699
LiveRamp Holdings, Inc. (A)	41,380	3,028,602
MAXIMUS, Inc.	38,512	2,818,693
Perspecta, Inc.	85,830	2,066,786
Sabre Corp.	198,073	2,380,837
Science Applications International Corp.	36,278	3,433,350
WEX, Inc. (A)	27,572	5,611,729
		30,785,778
Semiconductors and semiconductor equipment – 5.5%		
Cirrus Logic, Inc. (A)	36,248	2,979,586
CMC Materials, Inc.	18,250	2,761,225
Cree, Inc. (A)	68,894	7,295,875
Enphase Energy, Inc. (A)	78,993	13,860,903
First Solar, Inc. (A)	52,972	5,239,990
MKS Instruments, Inc.	34,456	5,183,905
Monolithic Power Systems, Inc.	26,518	9,711,687
Semtech Corp. (A)	40,574	2,924,980
Silicon Laboratories, Inc. (A)	27,509	3,502,996
SolarEdge Technologies, Inc. (A)	32,026	10,220,137
Synaptics, Inc. (A)	21,501	2,072,696
Universal Display Corp.	26,801	6,158,870
		71,912,850
Software – 4.2%		
ACI Worldwide, Inc. (A)	73,107	2,809,502
Blackbaud, Inc.	31,139	1,792,361
CDK Global, Inc.	75,847	3,931,150
Ceridian HCM Holding, Inc. (A)	81,281	8,661,303
CommVault Systems, Inc. (A)	29,627	1,640,447
Fair Isaac Corp. (A)	18,215	9,308,594
j2 Global, Inc. (A)	26,778	2,615,943
Manhattan Associates, Inc. (A)	39,649	4,170,282
Paylocity Holding Corp. (A)	23,454	4,829,413
PTC, Inc. (A)	65,643	7,851,559
Qualys, Inc. (A)	20,952	2,553,420
Sailpoint Technologies Holdings, Inc. (A)	56,959	3,032,497
Teradata Corp. (A)	68,466	1,538,431
		54,734,902
Technology hardware, storage and peripherals – 0.2%		
NCR Corp. (A)	80,651	3,030,058
		223,045,481
Materials – 5.6%		
Chemicals – 2.6%		
Ashland Global Holdings, Inc.	34,184	2,707,373
Avient Corp.	57,434	2,313,442
Cabot Corp.	35,465	1,591,669
Ingevity Corp. (A)	25,927	1,963,452
Minerals Technologies, Inc.	21,024	1,306,011
NewMarket Corp.	4,597	1,830,939
Olin Corp.	89,242	2,191,784
RPM International, Inc.	81,217	7,372,879
Sensient Technologies Corp.	26,256	1,936,905
The Chemours Company	103,164	2,557,436
The Scotts Miracle-Gro Company	25,438	5,065,723
Valvoline, Inc.	116,226	2,689,470
		33,527,083

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction materials – 0.2%		
Eagle Materials, Inc.	26,229	\$ 2,658,309
Containers and packaging – 1.0%		
AptarGroup, Inc.	40,498	5,543,771
Greif, Inc., Class A	16,609	778,630
O-I Glass, Inc.	98,588	1,173,197
Silgan Holdings, Inc.	48,754	1,807,798
Sonoco Products Company	62,626	3,710,591
		13,013,987
Metals and mining – 1.5%		
Commercial Metals Company	74,790	1,536,187
Compass Minerals International, Inc.	21,321	1,315,932
Reliance Steel & Aluminum Company	39,837	4,770,481
Royal Gold, Inc.	40,969	4,357,463
Steel Dynamics, Inc.	124,867	4,603,846
United States Steel Corp.	138,424	2,321,370
Worthington Industries, Inc.	22,652	1,162,954
		20,068,233
Paper and forest products – 0.3%		
Domtar Corp.	34,668	1,097,242
Louisiana-Pacific Corp.	68,304	2,538,860
		3,636,102
		72,903,714
Real estate – 8.9%		
Equity real estate investment trusts – 8.5%		
American Campus Communities, Inc.	85,863	3,672,361
Apartment Income REIT Corp. (A)	92,988	3,571,669
Brixmor Property Group, Inc.	184,680	3,056,454
Camden Property Trust	60,920	6,087,126
CoreSite Realty Corp.	26,716	3,346,980
Corporate Office Properties Trust	70,465	1,837,727
Cousins Properties, Inc.	92,613	3,102,536
CyrusOne, Inc.	75,330	5,510,390
Douglas Emmett, Inc.	102,730	2,997,661
EastGroup Properties, Inc.	24,706	3,410,910
EPR Properties	46,866	1,523,145
First Industrial Realty Trust, Inc.	80,747	3,401,871
Healthcare Realty Trust, Inc.	85,455	2,529,468
Highwoods Properties, Inc.	64,630	2,561,287
Hudson Pacific Properties, Inc.	94,973	2,281,251
JBG SMITH Properties	69,473	2,172,421
Kilroy Realty Corp.	65,418	3,754,993
Lamar Advertising Company, Class A	53,958	4,490,385
Life Storage, Inc.	30,409	3,630,531
Medical Properties Trust, Inc.	335,184	7,303,659
National Retail Properties, Inc.	108,376	4,434,746
Omega Healthcare Investors, Inc.	141,887	5,153,336
Park Hotels & Resorts, Inc.	146,533	2,513,041
Pebblebrook Hotel Trust	82,200	1,545,360
Physicians Realty Trust	130,741	2,327,190
PotlatchDeltic Corp.	42,003	2,100,990
PS Business Parks, Inc.	12,601	1,674,295
Rayonier, Inc.	85,747	2,519,247
Rexford Industrial Realty, Inc.	81,669	4,010,765
Sabra Health Care REIT, Inc.	129,118	2,242,780
Service Properties Trust	103,388	1,187,928
Spirit Realty Capital, Inc.	71,350	2,866,130
STORE Capital Corp.	147,724	5,019,662
The Macerich Company	70,412	751,296
Urban Edge Properties	68,905	891,631
Weingarten Realty Investors	75,637	1,639,054
		111,120,276

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development – 0.4%		
Jones Lang LaSalle, Inc. (A)	32,071	\$ 4,758,374
		115,878,650
Utilities – 3.4%		
Electric utilities – 1.1%		
ALLETE, Inc.	32,588	2,018,501
Hawaiian Electric Industries, Inc.	68,579	2,427,011
IDACORP, Inc.	31,431	3,018,319
OGE Energy Corp.	124,922	3,980,015
PNM Resources, Inc.	50,033	2,428,101
		13,871,947
Gas utilities – 1.2%		
National Fuel Gas Company	56,546	2,325,737
New Jersey Resources Corp.	60,256	2,142,101
ONE Gas, Inc.	33,241	2,551,912
Southwest Gas Holdings, Inc.	35,521	2,157,901
Spire, Inc.	32,337	2,070,861
UGI Corp.	130,142	4,549,764
		15,798,276
Multi-utilities – 0.6%		
Black Hills Corp.	39,412	2,421,867
MDU Resources Group, Inc.	124,975	3,291,842
NorthWestern Corp.	31,768	1,852,392
		7,566,101
Water utilities – 0.5%		
Essential Utilities, Inc.	139,595	6,601,448
		43,837,772
TOTAL COMMON STOCKS (Cost \$1,008,798,874)		\$ 1,286,261,775

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	90	Long	Mar 2021	\$20,311,746	\$20,731,500	\$419,754
						\$419,754

[^] 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 – 95.1%		
Communication services – 9.4%		
Entertainment – 2.5%		
Spotify Technology SA (A)	79,229	\$ 24,930,197
Interactive media and services – 6.9%		
Match Group, Inc. (A)	223,818	33,839,043
Snap, Inc., Class A (A)	369,842	18,517,989
Twitter, Inc. (A)	287,215	15,552,692
		67,909,724
		92,839,921
Consumer discretionary – 24.5%		
Automobiles – 1.9%		
Thor Industries, Inc.	201,763	18,761,941
Diversified consumer services – 2.5%		
Chegg, Inc. (A)	271,590	24,532,725

Mid Cap Index Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 2.5%		
U.S. Government Agency – 0.8%		
Federal Home Loan Bank Discount Note 0.040%, 02/19/2021 *	\$ 10,000,000	\$ 9,998,978
Short-term funds – 0.5%		
John Hancock Collateral Trust, 0.1386% (C)(D)	717,391	7,178,283
Repurchase agreement – 1.2%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$15,868,000 on 1-4-21, collateralized by \$16,204,300 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$16,185,454)	\$ 15,868,000	15,868,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$33,046,205)		\$ 33,045,261
Total Investments (Mid Cap Index Trust) (Cost \$1,041,845,079) – 101.2%		\$ 1,319,307,036
Other assets and liabilities, net – (1.2%)		(15,341,714)
TOTAL NET ASSETS – 100.0%		\$ 1,303,965,322

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 12-31-20.
 (C) The rate shown is the annualized seven-day yield as of 12-31-20.
 (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.

Mid Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure – 5.1%		
DraftKings, Inc., Class A (A)	575,211	\$ 26,781,824
Penn National Gaming, Inc. (A)	128,534	11,101,482
Planet Fitness, Inc., Class A (A)	155,957	12,106,942
		49,990,248
Household durables – 1.8%		
Lennar Corp., A Shares	232,965	17,758,922
Leisure products – 1.5%		
Peloton Interactive, Inc., Class A (A)	30,049	4,559,034
Polaris, Inc.	109,674	10,449,739
		15,008,773
Multiline retail – 0.8%		
Ollie's Bargain Outlet Holdings, Inc. (A)	100,194	8,192,863

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail – 8.9%		
Burlington Stores, Inc. (A)	114,701	\$ 30,000,047
Five Below, Inc. (A)	117,869	20,624,718
Floor & Decor Holdings, Inc., Class A (A)	230,494	21,401,368
JAND, Inc., Class A (A)(B)(C)	28,798	745,292
Ross Stores, Inc.	123,694	15,190,860
		87,962,285
Textiles, apparel and luxury goods – 2.0%		
Lululemon Athletica, Inc. (A)	57,515	20,016,945
		242,224,702
Consumer staples – 3.6%		
Beverages – 3.6%		
Monster Beverage Corp. (A)	250,651	23,180,204
The Boston Beer Company, Inc., Class A (A)	12,919	12,845,233
		36,025,437
Financials – 2.7%		
Capital markets – 2.7%		
Ares Management Corp., Class A	206,065	9,695,358
BowX Acquisition Corp. (A)	832,870	8,911,709
Churchill Capital Corp. IV (A)	815,670	8,401,401
		27,008,468
Health care – 21.5%		
Biotechnology – 6.6%		
Apellis Pharmaceuticals, Inc. (A)	88,981	5,089,713
Ascendis Pharma A/S, ADR (A)	40,046	6,678,872
Exact Sciences Corp. (A)	207,810	27,532,747
Galapagos NV (A)	73,598	7,284,309
Galapagos NV, ADR (A)	4,557	451,052
Kodiak Sciences, Inc. (A)	71,856	10,556,365
Seagen, Inc. (A)	43,299	7,583,387
		65,176,445
Health care equipment and supplies – 11.7%		
ABIOMED, Inc. (A)	66,357	21,512,939
Align Technology, Inc. (A)	76,667	40,969,314
DexCom, Inc. (A)	70,000	25,880,400
Insulet Corp. (A)	56,061	14,330,873
Tandem Diabetes Care, Inc. (A)	135,746	12,988,177
		115,681,703
Health care technology – 1.1%		
Multiplan Corp. (A)(D)	1,331,324	10,637,279
Life sciences tools and services – 1.0%		
Agilent Technologies, Inc.	84,855	10,054,469
Pharmaceuticals – 1.1%		
Elanco Animal Health, Inc. (A)	296,442	9,091,876
Reata Pharmaceuticals, Inc., Class A (A)	17,931	2,216,630
		11,308,506
		212,858,402
Industrials – 5.9%		
Commercial services and supplies – 1.6%		
Copart, Inc. (A)	122,068	15,533,153
Machinery – 1.4%		
Fortive Corp.	190,293	13,476,550
Professional services – 2.9%		
CoStar Group, Inc. (A)	31,428	29,048,272
		58,057,975
Information technology – 27.5%		
Electronic equipment, instruments and components – 0.2%		
Vontier Corp. (A)	41,773	1,395,218

Mid Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services – 6.8%		
GoDaddy, Inc., Class A (A)	250,433	\$ 20,773,417
Leidos Holdings, Inc.	188,176	19,781,061
Square, Inc., Class A (A)	123,153	26,803,019
		67,357,497
Semiconductors and semiconductor equipment – 2.2%		
Marvell Technology Group, Ltd.	359,097	17,071,471
MKS Instruments, Inc.	31,102	4,679,296
		21,750,767
Software – 18.3%		
2U, Inc. (A)	291,369	11,657,674
Fair Isaac Corp. (A)	56,592	28,920,776
Guidewire Software, Inc. (A)	188,050	24,207,677
MarkLogic Corp. (A)(C)	253,035	70,850
Paycom Software, Inc. (A)	44,375	20,068,594
Proofpoint, Inc. (A)	77,137	10,522,258
RingCentral, Inc., Class A (A)	61,465	23,293,391
Skillz, Inc. (A)	441,168	8,823,360
Splunk, Inc. (A)	156,260	26,547,011
Workday, Inc., Class A (A)	112,874	27,045,739
		181,157,330
		271,660,812
TOTAL COMMON STOCKS (Cost \$633,170,230)		\$ 940,675,717
PREFERRED SECURITIES – 2.0%		
Consumer discretionary – 1.2%		
Diversified consumer services – 0.3%		
The Honest Company, Inc., Series C (A)(B)(C)	75,561	2,702,061
Internet and direct marketing retail – 0.8%		
Coupage LLC (A)(B)(C)	707,162	7,616,135
One Kings Lane, Inc. (A)(C)	302,694	48,431
		7,664,566
Specialty retail – 0.1%		
JAND, Inc., Series D (A)(B)(C)	64,307	1,664,265
		12,030,892
Information technology – 0.7%		
Software – 0.7%		
Essence Group Holdings Corp. (A)(B)(C)	1,663,188	4,806,613
Lookout, Inc., Series F (A)(B)(C)	211,003	1,903,247
		6,709,860
Real estate – 0.1%		
Real estate management and development – 0.1%		
The We Company, Inc., Series D1 (A)(B)(C)	92,333	728,507
The We Company, Inc., Series D2 (A)(B)(C)	81,039	639,398
		1,367,905
TOTAL PREFERRED SECURITIES (Cost \$14,044,089)		\$ 20,108,657
EXCHANGE-TRADED FUNDS – 0.9%		
iShares Russell Mid-Cap Growth ETF (D)	81,344	8,349,962
TOTAL EXCHANGE-TRADED FUNDS (Cost \$8,134,750)		\$ 8,349,962
SHORT-TERM INVESTMENTS – 2.1%		
Short-term funds – 0.8%		
John Hancock Collateral Trust, 0.1386% (E)(F)	777,858	7,783,323

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Cap Stock Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 1.3%		
Deutsche Bank Tri-Party Repurchase Agreement dated 12-31-20 at 0.070% to be repurchased at \$12,700,099 on 1-4-21, collateralized by \$12,955,000 Federal Home Loan Bank, 0.110% due 5-4-21 (valued at \$12,956,069)	\$ 12,700,000	\$ 12,700,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$20,483,610)		\$ 20,483,323
Total Investments (Mid Cap Stock Trust) (Cost \$675,832,679) – 100.1%		\$ 989,617,659
Other assets and liabilities, net – (0.1%)		(729,236)
TOTAL NET ASSETS – 100.0%		\$ 988,888,423

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(C)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(D)	All or a portion of this security is on loan as of 12-31-20.
(E)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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.

Mid Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.8%		
Communication services – 5.9%		
Entertainment – 0.2%		
Madison Square Garden Sports Corp. (A)	6,400	\$ 1,178,240
Media – 5.4%		
AMC Networks, Inc., Class A (A)(B)	49,643	1,775,730
DISH Network Corp., Class A (A)	97,667	3,158,551
Fox Corp., Class A	87,853	2,558,279
News Corp., Class A	713,874	12,828,316
Scholastic Corp.	104,440	2,611,000
ViacomCBS, Inc., Class B	259,390	9,664,871
		32,596,747
Wireless telecommunication services – 0.3%		
Telephone & Data Systems, Inc.	94,769	1,759,860
		35,534,847
Consumer discretionary – 3.3%		
Diversified consumer services – 0.8%		
Strategic Education, Inc.	49,423	4,711,495
Hotels, restaurants and leisure – 0.5%		
Compass Group PLC	155,782	2,905,545
Household durables – 0.3%		
Mohawk Industries, Inc. (A)	12,036	1,696,474
Multiline retail – 0.4%		
Nordstrom, Inc. (B)	92,612	2,890,421
Specialty retail – 0.2%		
Tiffany & Company	8,271	1,087,223
Textiles, apparel and luxury goods – 1.1%		
Ralph Lauren Corp.	64,424	6,683,346
		19,974,504
Consumer staples – 8.6%		

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Beverages – 0.7%		
Carlsberg A/S, Class B	24,881	\$ 3,988,732
Food and staples retailing – 1.7%		
Sysco Corp.	127,470	9,465,922
The Kroger Company	24,516	778,628
		10,244,550
Food products – 6.2%		
Bunge, Ltd.	276,393	18,125,853
Campbell Soup Company	9,598	464,063
Flowers Foods, Inc.	562,765	12,735,372
The Kraft Heinz Company	158,191	5,482,900
Tootsie Roll Industries, Inc. (B)	25,982	771,665
		37,579,853
		51,813,135
Energy – 11.1%		
Energy equipment and services – 1.7%		
Frank's International NV (A)	860,637	2,358,145
National Oilwell Varco, Inc.	202,286	2,777,387
Schlumberger NV	138,150	3,015,815
SEACOR Marine Holdings, Inc. (A)(B)	98,958	268,176
Tidewater, Inc. (A)	218,777	1,890,233
		10,309,756
Oil, gas and consumable fuels – 9.4%		
Apache Corp.	63,629	902,896
Cameco Corp. (New York Stock Exchange)	593,355	7,950,957
Canadian Natural Resources, Ltd.	340,713	8,194,148
EQT Corp.	929,729	11,816,856
Equinor ASA	31,941	539,052
Equinor ASA (Frankfurt Stock Exchange)	124,931	2,122,998
Equitrans Midstream Corp.	428,365	3,444,055
Hess Corp.	100,708	5,316,375
Imperial Oil, Ltd. (B)	714,022	13,587,839
NAC Kazatomprom JSC, GDR	156,999	2,828,133
		56,703,309
		67,013,065
Financials – 16.7%		
Banks – 3.2%		
Fifth Third Bancorp	362,407	9,991,561
Popular, Inc.	63,189	3,558,804
Westamerica Bancorporation	100,477	5,555,373
		19,105,738
Capital markets – 5.1%		
Lazard, Ltd., Class A	212,276	8,979,275
Northern Trust Corp.	92,064	8,574,841
State Street Corp.	166,775	12,137,885
The Charles Schwab Corp.	21,572	1,144,179
		30,836,180
Consumer finance – 0.3%		
Ally Financial, Inc.	43,666	1,557,130
Diversified financial services – 1.1%		
Groupe Bruxelles Lambert SA	66,012	6,653,616
Insurance – 6.4%		
Brighthouse Financial, Inc. (A)	135,338	4,899,912
Brown & Brown, Inc.	152,746	7,241,688
CNA Financial Corp.	162,259	6,321,611
Kemper Corp.	63,534	4,881,317
Loews Corp.	248,407	11,183,283
Marsh & McLennan Companies, Inc.	35,042	4,099,914
		38,627,725

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thriffs and mortgage finance – 0.6%		
Capitol Federal Financial, Inc.	315,227	\$ 3,940,338
		100,720,727
Health care – 15.9%		
Biotechnology – 1.6%		
Alkermes PLC (A)	207,907	4,147,745
BioMarin Pharmaceutical, Inc. (A)	28,615	2,509,249
Incyte Corp. (A)	27,038	2,351,765
Ionis Pharmaceuticals, Inc. (A)	15,331	866,815
		9,875,574
Health care equipment and supplies – 5.3%		
Alcon, Inc. (A)	7,960	528,513
Baxter International, Inc.	76,147	6,110,035
Dentsply Sirona, Inc.	177,034	9,269,500
Hologic, Inc. (A)	97,253	7,082,936
Zimmer Biomet Holdings, Inc.	59,776	9,210,884
		32,201,868
Health care providers and services – 7.6%		
AmerisourceBergen Corp.	600	58,656
Cardinal Health, Inc.	252,659	13,532,416
Covetrus, Inc. (A)	206,377	5,931,275
Patterson Companies, Inc.	393,335	11,654,516
Select Medical Holdings Corp. (A)	518,659	14,346,108
		45,522,971
Pharmaceuticals – 1.4%		
Jazz Pharmaceuticals PLC (A)	11,590	1,912,930
Perrigo Company PLC	127,950	5,721,924
Royalty Pharma PLC, Class A	17,761	888,938
		8,523,792
		96,124,205
Industrials – 9.1%		
Aerospace and defense – 2.0%		
Textron, Inc.	247,377	11,955,730
Air freight and logistics – 1.3%		
CH Robinson Worldwide, Inc.	82,786	7,771,122
Airlines – 0.8%		
Southwest Airlines Company	111,131	5,179,816
Commercial services and supplies – 0.5%		
Cintas Corp.	8,372	2,959,167
Machinery – 2.9%		
AGCO Corp.	60,022	6,187,668
CNH Industrial NV (A)	229,870	2,951,531
PACCAR, Inc.	75,940	6,552,103
Xylem, Inc.	19,218	1,956,200
		17,647,502
Marine – 0.5%		
SEACOR Holdings, Inc. (A)	73,888	3,062,658
Road and rail – 1.1%		
JB Hunt Transport Services, Inc.	34,172	4,669,604
Ryder System, Inc.	29,621	1,829,393
		6,498,997
		55,074,992
Information technology – 2.9%		
Electronic equipment, instruments and components – 1.0%		
National Instruments Corp.	142,378	6,256,089
IT services – 0.6%		
Cognizant Technology Solutions Corp., Class A	42,897	3,515,409

Mid Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment – 1.3%		
Applied Materials, Inc.	91,696	\$ 7,913,365
		17,684,863
Materials – 11.6%		
Chemicals – 2.7%		
Corteva, Inc.	202,405	7,837,122
PPG Industries, Inc.	17,377	2,506,111
Westlake Chemical Corp.	71,712	5,851,699
		16,194,932
Construction materials – 1.5%		
Summit Materials, Inc., Class A (A)	234,386	4,706,471
Vulcan Materials Company	27,224	4,037,591
		8,744,062
Metals and mining – 7.4%		
Barrick Gold Corp.	214,386	4,883,713
Cia de Minas Buenaventura SAA, ADR (A)	524,653	6,395,520
Endeavour Mining Corp. (A)(B)	61,300	1,426,433
Franco-Nevada Corp.	71,873	9,011,651
Freeport-McMoRan, Inc.	442,870	11,523,477
Fresnillo PLC	593,799	9,171,579
Gold Fields, Ltd., ADR	251,458	2,331,016
		44,743,389
		69,682,383
Real estate – 7.2%		
Equity real estate investment trusts – 6.8%		
Apartment Income REIT Corp. (A)	78,676	3,021,952
Apartment Investment and Management Company, Class A	417,176	2,202,689
Equity Commonwealth	170,604	4,654,077
Equity Residential	68,140	4,039,339
Rayonier, Inc.	335,060	9,844,063
Regency Centers Corp.	99,028	4,514,687
Weyerhaeuser Company	384,469	12,891,246
		41,168,053
Real estate management and development – 0.4%		
The St. Joe Company	48,561	2,061,414
		43,229,467
Utilities – 5.5%		
Electric utilities – 3.7%		
FirstEnergy Corp.	336,396	10,297,082
PG&E Corp. (A)	956,053	11,912,420
		22,209,502
Gas utilities – 0.6%		
National Fuel Gas Company	91,562	3,765,945
Independent power and renewable electricity producers – 0.3%		
Vistra Corp.	85,240	1,675,818
Multi-utilities – 0.9%		
CenterPoint Energy, Inc.	240,803	5,210,977
		32,862,242
TOTAL COMMON STOCKS (Cost \$489,940,355)		\$ 589,714,430
PREFERRED SECURITIES – 0.3%		
Consumer staples – 0.3%		
Food products – 0.3%		
Bunge, Ltd., 4.875%	13,902	1,515,318
TOTAL PREFERRED SECURITIES (Cost \$1,574,182)		\$ 1,515,318

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

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)	\$ 1,427,000	\$ 1,113,060
TOTAL CORPORATE BONDS (Cost \$1,045,310)		\$ 1,113,060
SHORT-TERM INVESTMENTS - 2.2%		
Short-term funds - 2.2%		
John Hancock Collateral Trust, 0.1386% (D)(E)	300,087	3,002,702
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (D)	2,000,044	2,000,044
T. Rowe Price Government Reserve Fund, 0.0753% (D)	8,485,831	8,485,831
TOTAL SHORT-TERM INVESTMENTS (Cost \$13,488,745)		\$ 13,488,577
Total Investments (Mid Value Trust) (Cost \$506,048,592) - 100.5%		\$ 605,831,385
Other assets and liabilities, net - (0.5%)		(3,064,514)
TOTAL NET ASSETS - 100.0%		\$ 602,766,871

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 12-31-20.
(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 12-31-20.
(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 - 98.1%		
Consumer discretionary - 4.6%		
Hotels, restaurants and leisure - 4.6%		
Casinos and gaming - 1.8%		
Caesars Entertainment, Inc. (A)	76,151	\$ 5,655,735
Hotels, resorts and cruise lines - 1.0%		
Hyatt Hotels Corp., Class A	42,971	3,190,597
Leisure facilities - 1.8%		
Vail Resorts, Inc.	20,240	5,646,150
		14,492,482
Health care - 2.2%		
Health care providers and services - 2.2%		
Health care facilities - 2.2%		
Brookdale Senior Living, Inc. (A)	488,177	2,162,624
HCA Healthcare, Inc.	28,544	4,694,346
		6,856,970
Real estate - 91.3%		
Equity real estate investment trusts - 90.1%		
Health care REITs - 6.5%		
Healthpeak Properties, Inc.	461,429	13,948,999
Medical Properties Trust, Inc.	300,586	6,549,769
		20,498,768

Real Estate Securities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotel and resort REITs - 3.9%		
MGM Growth Properties LLC, Class A	149,016	\$ 4,664,201
Pebblebrook Hotel Trust	229,031	4,305,783
Ryman Hospitality Properties, Inc.	49,878	3,379,733
		12,349,717
Industrial REITs - 15.0%		
Americold Realty Trust	105,284	3,930,252
Innovative Industrial Properties, Inc.	28,899	5,292,274
Prologis, Inc.	286,407	28,543,322
Rexford Industrial Realty, Inc.	187,551	9,210,630
		46,976,478
Office REITs - 11.3%		
Alexandria Real Estate Equities, Inc.	72,400	12,903,128
Boston Properties, Inc.	57,330	5,419,405
Douglas Emmett, Inc.	221,400	6,460,452
JBG SMITH Properties	123,637	3,866,129
SL Green Realty Corp.	114,474	6,820,361
		35,469,475
Residential REITs - 17.5%		
American Homes 4 Rent, Class A	375,898	11,276,940
Camden Property Trust	99,948	9,986,804
Independence Realty Trust, Inc.	518,203	6,959,466
NexPoint Residential Trust, Inc.	76,100	3,219,791
Sun Communities, Inc.	75,543	11,478,759
UDR, Inc.	313,451	12,045,922
		54,967,682
Retail REITs - 9.8%		
Agree Realty Corp.	55,744	3,711,436
Brixmor Property Group, Inc.	854,480	14,141,644
Retail Opportunity Investments Corp.	503,156	6,737,259
Simon Property Group, Inc.	73,819	6,295,284
		30,885,623
Specialized REITs - 26.1%		
American Tower Corp.	38,375	8,613,653
Crown Castle International Corp.	64,749	10,307,393
Equinix, Inc.	30,835	22,021,740
Extra Space Storage, Inc.	61,586	7,135,354
Four Corners Property Trust, Inc.	108,334	3,225,103
Gaming and Leisure Properties, Inc.	3,348	141,955
Life Storage, Inc.	76,741	9,162,108
PotlatchDeltic Corp.	125,718	6,288,414
QTS Realty Trust, Inc., Class A	64,524	3,992,745
VICI Properties, Inc.	437,131	11,146,839
		82,035,304
		283,183,047
Real estate management and development - 1.2%		
Real estate services - 1.2%		
Jones Lang LaSalle, Inc. (A)	25,651	3,805,839
		286,988,886
TOTAL COMMON STOCKS (Cost \$291,287,128)		\$ 308,338,338

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Real Estate Securities Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS – 1.4%		
Short-term funds – 1.4%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (B)	4,410,438	\$ 4,410,438
TOTAL SHORT-TERM INVESTMENTS (Cost \$4,410,438)		\$ 4,410,438
Total Investments (Real Estate Securities Trust) (Cost \$295,697,566) – 99.5%		\$ 312,748,776
Other assets and liabilities, net – 0.5%		1,470,815
TOTAL NET ASSETS – 100.0%		\$ 314,219,591

Security Abbreviations and Legend

- (A) Non-income producing security.
(B) The rate shown is the annualized seven-day yield as of 12-31-20.

Science & Technology Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 95.8%		
Communication services – 15.7%		
Entertainment – 0.4%		
NetEase, Inc., ADR	16,725	\$ 1,601,753
Netflix, Inc. (A)	3,090	1,670,856
Spotify Technology SA (A)	1,715	539,642
Take-Two Interactive Software, Inc. (A)	2,960	615,058
Zynga, Inc., Class A (A)	50,590	499,323
		4,926,632
Interactive media and services – 14.9%		
Alphabet, Inc., Class A (A)	3,760	6,589,926
Alphabet, Inc., Class C (A)	40,868	71,595,828
Baidu, Inc., ADR (A)	52,370	11,324,489
Facebook, Inc., Class A (A)	159,029	43,440,362
Mail.Ru Group, Ltd., GDR (A)	584,000	15,305,212
NAVER Corp. (A)	13,737	3,703,070
Pinterest, Inc., Class A (A)	174,344	11,489,270
Snap, Inc., Class A (A)	140,345	7,027,074
Tencent Holdings, Ltd.	8,000	575,630
Yandex NV, Class A (A)	4,635	322,503
Zillow Group, Inc., Class A (A)	13,570	1,844,706
ZoomInfo Technologies, Inc., Class A (A)(B)	19,390	935,180
		174,153,250
Media – 0.3%		
News Corp., Class A	173,497	3,117,741
Wireless telecommunication services – 0.1%		
SoftBank Group Corp.	8,100	628,844
		182,826,467
Consumer discretionary – 19.5%		
Automobiles – 0.4%		
Tesla, Inc. (A)	7,035	4,964,388
Hotels, restaurants and leisure – 0.3%		
Airbnb, Inc., Class A (A)	3,986	585,145
Airbnb, Inc., Class B (A)(C)	17,248	2,364,261
		2,949,406
Internet and direct marketing retail – 18.8%		
Alibaba Group Holding, Ltd., ADR (A)	91,063	21,193,092
Amazon.com, Inc. (A)	15,116	49,231,754
boohoo Group PLC (A)	1,052,131	4,939,006
Booking Holdings, Inc. (A)	16,261	36,217,637
Delivery Hero SE (A)(D)	87,087	13,619,440
DoorDash, Inc., Class A (A)	6,722	959,566

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Internet and direct marketing retail (continued)		
Etsy, Inc. (A)	53,237	\$ 9,471,395
Expedia Group, Inc.	13,520	1,790,048
JD.com, Inc., ADR (A)	15,355	1,349,705
Naspers, Ltd., N Shares	48,102	9,850,068
Ozon Holdings PLC, ADR (A)	12,980	537,502
Tongcheng-Elong Holdings, Ltd. (A)	3,094,000	5,996,594
Trip.com Group, Ltd., ADR (A)	890,971	30,052,452
Zalando SE (A)(D)	310,841	34,575,293
		219,783,552
		227,697,346
Health care – 0.9%		
Health care equipment and supplies – 0.7%		
Intuitive Surgical, Inc. (A)	9,815	8,029,652
Health care technology – 0.2%		
Veeva Systems, Inc., Class A (A)	10,130	2,757,893
		10,787,545
Industrials – 0.7%		
Electrical equipment – 0.5%		
Array Technologies, Inc. (A)	105,825	4,565,291
Bloom Energy Corp., Class A (A)	30,625	877,713
		5,443,004
Road and rail – 0.2%		
Lyft, Inc., Class A (A)	55,170	2,710,502
		8,153,506
Information technology – 58.9%		
Communications equipment – 1.1%		
Arista Networks, Inc. (A)	2,180	633,443
Cisco Systems, Inc.	251,391	11,249,747
F5 Networks, Inc. (A)	5,080	893,775
		12,776,965
Electronic equipment, instruments and components – 1.8%		
Amphenol Corp., Class A	9,630	1,259,315
Cognex Corp.	14,235	1,142,857
Flex, Ltd. (A)	306,780	5,515,904
IPG Photonics Corp. (A)	8,950	2,002,921
Samsung SDI Company, Ltd.	19,848	11,502,859
		21,423,856
IT services – 10.2%		
Adyen NV (A)(D)	850	1,975,010
Fidelity National Information Services, Inc.	20,583	2,911,671
Fiserv, Inc. (A)	35,362	4,026,317
Global Payments, Inc.	24,416	5,259,695
Mastercard, Inc., Class A	3,910	1,395,635
MongoDB, Inc. (A)	38,600	13,858,944
Okta, Inc. (A)	72,535	18,442,749
PayPal Holdings, Inc. (A)	63,305	14,826,031
Shopify, Inc., Class A (A)	3,330	3,769,394
Snowflake, Inc., Class A (A)(B)	9,016	2,537,102
Square, Inc., Class A (A)	65,540	14,264,126
Twilio, Inc., Class A (A)	85,570	28,965,445
Visa, Inc., Class A	11,040	2,414,779
Wix.com, Ltd. (A)	15,644	3,910,374
		118,557,272
Semiconductors and semiconductor equipment – 16.6%		
Advanced Micro Devices, Inc. (A)	75,765	6,948,408
Applied Materials, Inc.	214,408	18,503,410
Cree, Inc. (A)	24,300	2,573,370
Infineon Technologies AG	147,735	5,641,794
Lam Research Corp.	27,707	13,085,185
Marvell Technology Group, Ltd.	53,520	2,544,341
Maxim Integrated Products, Inc.	155,580	13,792,167

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Micron Technology, Inc. (A)	602,372	\$ 45,286,327
NVIDIA Corp.	18,551	9,687,332
NXP Semiconductors NV	36,925	5,871,444
ON Semiconductor Corp. (A)	20,445	669,165
Qorvo, Inc. (A)	27,335	4,544,990
QUALCOMM, Inc.	201,146	30,642,582
SK Hynix, Inc.	15,290	1,670,103
Skyworks Solutions, Inc.	24,960	3,815,885
STMicroelectronics NV	85,970	3,180,524
STMicroelectronics NV, NYRS (B)	163,922	6,084,785
Taiwan Semiconductor Manufacturing Company, Ltd., ADR	100,670	10,977,057
Teradyne, Inc.	43,140	5,172,055
Tokyo Electron, Ltd.	9,600	3,586,203
		194,277,127
Software – 20.4%		
Alteryx, Inc., Class A (A)	26,220	3,193,334
Autodesk, Inc. (A)	4,825	1,473,266
Avalara, Inc. (A)	5,300	873,917
Citrix Systems, Inc.	146,100	19,007,610
Cloudflare, Inc., Class A (A)	12,255	931,257
Coupa Software, Inc. (A)	2,870	972,672
CrowdStrike Holdings, Inc., Class A (A)	73,435	15,555,002
CyberArk Software, Ltd. (A)	17,160	2,772,884
Datadog, Inc., Class A (A)	48,160	4,740,870
DocuSign, Inc. (A)	26,460	5,882,058
FireEye, Inc. (A)	157,570	3,633,564
HubSpot, Inc. (A)	33,925	13,449,227
Intuit, Inc.	14,358	5,453,886
McAfee Corp., Class A	281,291	4,694,747
Microsoft Corp.	120,361	26,770,694
NortonLifeLock, Inc.	553,800	11,507,964
Palo Alto Networks, Inc. (A)	15,860	5,636,485
Paycom Software, Inc. (A)	55,795	25,233,289
RingCentral, Inc., Class A (A)	40,625	15,395,656
salesforce.com, Inc. (A)	131,574	29,279,162
ServiceNow, Inc. (A)	1,100	605,473
Slack Technologies, Inc., Class A (A)	87,261	3,685,905
Splunk, Inc. (A)	26,610	4,520,773
TeamViewer AG (A)(D)	109,729	5,894,356
The Trade Desk, Inc., Class A (A)	2,470	1,978,470
Varonis Systems, Inc. (A)	20,375	3,333,554
Workday, Inc., Class A (A)	26,679	6,392,555
Zendesk, Inc. (A)	10,545	1,509,200
Zoom Video Communications, Inc., Class A (A)	5,380	1,814,782
Zscaler, Inc. (A)	61,237	12,229,641
		238,422,253
Technology hardware, storage and peripherals – 8.8%		
Apple, Inc.	308,275	40,905,010
HP, Inc.	13,500	331,965
Pure Storage, Inc., Class A (A)	1,176,322	26,596,640
Samsung Electronics Company, Ltd.	446,762	33,362,161
Seagate Technology PLC	15,245	947,629
		102,143,405
		687,600,878
Real estate – 0.1%		
Equity real estate investment trusts – 0.1%		
Equinix, Inc.	635	453,504
TOTAL COMMON STOCKS (Cost \$771,214,637)		\$ 1,117,519,246
PREFERRED SECURITIES – 0.0%		
Industrials – 0.0%		

Science & Technology Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Road and rail – 0.0%		
DiDi Chuxing, Inc. (A)(C)(E)	9,513	\$ 399,546
TOTAL PREFERRED SECURITIES (Cost \$260,905)		\$ 399,546
EXCHANGE-TRADED FUNDS – 0.1%		
iShares Expanded Tech Sector ETF (B)	3,560	1,245,395
TOTAL EXCHANGE-TRADED FUNDS (Cost \$886,198)		\$ 1,245,395
TERM LOANS (F) – 0.1%		
Consumer discretionary – 0.1%		
Airbnb, Inc., Term Loan (1 month LIBOR + 7.500%)		
8.500%, 04/17/2025	\$ 910,425	984,397
TOTAL TERM LOANS (Cost \$889,959)		\$ 984,397
SHORT-TERM INVESTMENTS – 5.6%		
Short-term funds – 4.5%		
John Hancock Collateral Trust, 0.1386% (G)(H)	988,996	9,895,989
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (G)	500,017	500,017
T. Rowe Price Government Reserve Fund, 0.0753% (G)	41,933,089	41,933,089
		52,329,095
Repurchase agreement – 1.1%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$13,296,000 on 1-4-21, collateralized by \$13,577,800 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$13,562,009)	\$ 13,296,000	13,296,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$65,625,339)		\$ 65,625,095
Total Investments (Science & Technology Trust) (Cost \$838,877,038) – 101.6%		\$ 1,185,773,679
Other assets and liabilities, net – (1.6%)		(19,050,031)
TOTAL NET ASSETS – 100.0%		\$ 1,166,723,648

Security Abbreviations and Legend

ADR	American Depositary Receipt
GDR	Global Depositary Receipt
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 12-31-20.
(C)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to 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)	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 12-31-20.
(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.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 97.1%		
Communication services – 2.3%		
Diversified telecommunication services – 0.7%		
Alaska Communications Systems Group, Inc.	14,066	\$ 51,904
Anterix, Inc. (A)	2,864	107,686
ATN International, Inc.	2,756	115,091
Bandwidth, Inc., Class A (A)	4,571	702,426
Cincinnati Bell, Inc. (A)	12,317	188,204
Cogent Communications Holdings, Inc. Consolidated Communications Holdings, Inc. (A)	9,916	593,671
IDT Corp., Class B (A)	18,231	89,150
Iridium Communications, Inc. (A)	4,728	58,438
Liberty Latin America, Ltd., Class A (A)	27,971	1,099,960
Liberty Latin America, Ltd., Class C (A)	14,104	156,978
Ooma, Inc. (A)	33,996	377,016
ORBCOMM, Inc. (A)	5,373	77,371
Vonage Holdings Corp. (A)	18,956	140,654
	55,760	717,910
		4,476,459
Entertainment – 0.3%		
AMC Entertainment Holdings, Inc., Class A (B)	18,826	39,911
Cinemark Holdings, Inc.	25,373	441,744
Eros STX Global Corp. (A)(B)	38,877	70,756
Glu Mobile, Inc. (A)	35,078	316,053
IMAX Corp. (A)	11,900	214,438
Liberty Media Corp.-Liberty Braves, Class A (A)	3,540	88,040
Liberty Media Corp.-Liberty Braves, Class C (A)	7,609	189,312
LiveXLive Media, Inc. (A)(B)	12,595	41,312
The Marcus Corp.	5,764	77,699
		1,479,265
Interactive media and services – 0.4%		
CarGurus, Inc. (A)	20,892	662,903
Cars.com, Inc. (A)	16,146	182,450
Eventbrite, Inc., Class A (A)	15,204	275,192
EverQuote, Inc., Class A (A)	3,440	128,484
Liberty TripAdvisor Holdings, Inc., Class A (A)	18,968	82,321
MediaAlpha, Inc., Class A (A)	2,396	93,612
QuinStreet, Inc. (A)	11,681	250,441
TrueCar, Inc. (A)	25,752	108,158
Yelp, Inc. (A)	17,157	560,519
		2,344,080
Media – 0.8%		
AMC Networks, Inc., Class A (A)(B)	6,772	242,234
Boston Omaha Corp., Class A (A)	3,406	94,176
Cardlytics, Inc. (A)	6,231	889,600
comScore, Inc. (A)	17,115	42,616
Daily Journal Corp. (A)	314	126,856
Entercom Communications Corp., Class A	30,094	74,332
Entravision Communications Corp., Class A	15,065	41,429
Fluent, Inc. (A)	10,970	58,251
Gannett Company, Inc. (A)	32,677	109,795
Gray Television, Inc. (A)	20,646	369,357
Hemisphere Media Group, Inc. (A)	5,128	53,126
iHeartMedia, Inc., Class A (A)(B)	14,366	186,471
Loral Space & Communications, Inc.	3,032	63,642
Meredith Corp.	9,504	182,477
MSG Networks, Inc., Class A (A)	7,247	106,821
National CineMedia, Inc.	16,183	60,201
Scholastic Corp.	7,242	181,050
Sinclair Broadcast Group, Inc., Class A	10,628	338,502

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
TechTarget, Inc. (A)	5,564	\$ 328,888
TEGNA, Inc.	51,287	715,454
The EW Scripps Company, Class A	13,508	206,537
Tribune Publishing Company	4,356	59,677
WideOpenWest, Inc. (A)	12,694	135,445
		4,666,937
Wireless telecommunication services – 0.1%		
Boingo Wireless, Inc. (A)	10,475	133,242
Gogo, Inc. (A)(B)	13,190	127,020
Shenandoah Telecommunications Company	11,438	494,694
Spok Holdings, Inc.	5,780	64,331
		819,287
		13,786,028
Consumer discretionary – 12.7%		
Auto components – 1.4%		
Adient PLC (A)	20,906	726,902
American Axle & Manufacturing Holdings, Inc. (A)	26,555	221,469
Cooper Tire & Rubber Company	11,915	482,558
Cooper-Standard Holdings, Inc. (A)	3,973	137,744
Dana, Inc.	34,274	669,028
Dorman Products, Inc. (A)	6,281	545,316
Fox Factory Holding Corp. (A)	9,821	1,038,178
Gentherm, Inc. (A)	7,738	504,672
LCI Industries	5,827	755,645
Modine Manufacturing Company (A)	12,199	153,219
Motorcar Parts of America, Inc. (A)	4,564	89,546
Patrick Industries, Inc.	5,305	362,597
Standard Motor Products, Inc.	4,860	196,636
Stoneridge, Inc. (A)	6,391	193,200
Tenneco, Inc., Class A (A)	12,275	130,115
The Goodyear Tire & Rubber Company	55,157	601,763
Visteon Corp. (A)	6,561	823,537
Workhorse Group, Inc. (A)(B)	22,408	443,230
XPEL, Inc. (A)	4,012	206,859
		8,282,214
Automobiles – 0.1%		
Winnebago Industries, Inc.	7,392	443,076
Distributors – 0.1%		
Core-Mark Holding Company, Inc.	10,748	315,669
Funko, Inc., Class A (A)	6,609	68,601
		384,270
Diversified consumer services – 0.5%		
Adtalem Global Education, Inc. (A)	12,346	419,147
American Public Education, Inc. (A)	3,672	111,923
Aspen Group, Inc. (A)	5,706	63,508
Carrigae Services, Inc.	4,147	129,884
Collectors Universe, Inc.	2,208	166,483
Franchise Group, Inc.	5,392	164,186
Houghton Mifflin Harcourt Company (A)	26,308	87,606
Laureate Education, Inc., Class A (A)	25,653	373,508
OneSpaWorld Holdings, Ltd.	11,654	118,172
Perdoceo Education Corp. (A)	16,674	210,593
Regis Corp. (A)	6,055	55,645
Strategic Education, Inc.	5,750	548,148
Stride, Inc. (A)	9,614	204,105
Universal Technical Institute, Inc. (A)	8,187	52,888
Vivint Smart Home, Inc. (A)	18,244	378,563
WW International, Inc. (A)	11,280	275,232
		3,359,591
Hotels, restaurants and leisure – 3.6%		
Accel Entertainment, Inc. (A)	11,667	117,837
Bally's Corp.	4,221	212,021

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Biglari Holdings, Inc., Class B (A)	327	\$ 36,362
BJ's Restaurants, Inc. (A)	5,225	201,110
Bloomin' Brands, Inc.	20,811	404,150
Bluegreen Vacations Holding Corp.	3,355	45,393
Boyd Gaming Corp. (A)	19,147	821,789
Brinker International, Inc.	10,632	601,452
Caesars Entertainment, Inc. (A)	42,657	3,168,135
Carrols Restaurant Group, Inc. (A)	9,060	56,897
Century Casinos, Inc. (A)	7,170	45,816
Churchill Downs, Inc.	8,960	1,745,318
Chuy's Holdings, Inc. (A)	4,905	129,933
Cracker Barrel Old Country Store, Inc.	5,597	738,356
Dave & Buster's Entertainment, Inc. (B)	10,585	317,762
Del Taco Restaurants, Inc. (A)	7,973	72,235
Denny's Corp. (A)	15,185	222,916
Dine Brands Global, Inc.	3,701	214,658
El Pollo Loco Holdings, Inc. (A)	4,766	86,265
Everi Holdings, Inc. (A)	19,502	269,323
Fiesta Restaurant Group, Inc. (A)	4,606	52,508
GAN, Ltd. (A)	5,746	116,529
Golden Entertainment, Inc. (A)	4,410	87,715
Hilton Grand Vacations, Inc. (A)	20,232	634,273
International Game Technology PLC	23,630	400,292
Jack in the Box, Inc.	5,369	498,243
Lindblad Expeditions Holdings, Inc. (A)	6,665	114,105
Marriott Vacations Worldwide Corp.	9,550	1,310,451
Monarch Casino & Resort, Inc. (A)	3,064	187,578
Nathan's Famous, Inc.	883	48,759
Noodles & Company (A)	8,520	67,308
Papa John's International, Inc.	7,771	659,369
Penn National Gaming, Inc. (A)	36,894	3,186,505
PlayAGS, Inc. (A)	7,029	50,609
RCI Hospitality Holdings, Inc.	2,277	89,805
Red Robin Gourmet Burgers, Inc. (A)	3,977	76,478
Red Rock Resorts, Inc., Class A	15,665	392,252
Ruth's Hospitality Group, Inc.	7,580	134,393
Scientific Games Corp. (A)	13,631	565,550
SeaWorld Entertainment, Inc. (A)	12,081	381,639
Shake Shack, Inc., Class A (A)	8,329	706,133
Texas Roadhouse, Inc.	15,510	1,212,262
The Cheesecake Factory, Inc. (B)	10,069	373,157
Wingstop, Inc.	7,032	932,092
		21,785,733
Household durables – 1.9%		
Beazer Homes USA, Inc. (A)	7,033	106,550
Casper Sleep, Inc. (A)(B)	6,823	41,961
Cavco Industries, Inc. (A)	2,199	385,815
Century Communities, Inc. (A)	6,942	303,921
Ethan Allen Interiors, Inc.	5,750	116,208
GoPro, Inc., Class A (A)	29,283	242,463
Green Brick Partners, Inc. (A)	5,851	134,339
Hamilton Beach Brands Holding Company, Class B	1,197	20,959
Helen of Troy, Ltd. (A)	5,979	1,328,474
Hooker Furniture Corp.	2,736	88,236
Installed Building Products, Inc. (A)	5,455	556,028
iRobot Corp. (A)(B)	6,514	523,009
KB Home	20,816	697,752
La-Z-Boy, Inc.	10,479	417,483
LGI Homes, Inc. (A)	5,295	560,476
Lifetime Brands, Inc.	3,090	46,968
M/I Homes, Inc. (A)	6,627	293,510
MDC Holdings, Inc.	12,123	589,178
Meritage Homes Corp. (A)	8,782	727,325
Purple Innovation, Inc. (A)	3,991	131,464

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Skyline Champion Corp. (A)	12,573	\$ 389,009
Sonos, Inc. (A)	19,126	447,357
Taylor Morrison Home Corp. (A)	29,776	763,754
The Lovesac Company (A)	2,487	107,165
TopBuild Corp. (A)	7,840	1,443,187
TRI Pointe Group, Inc. (A)	29,750	513,188
Tupperware Brands Corp. (A)	11,636	376,890
Turtle Beach Corp. (A)	3,495	75,317
Universal Electronics, Inc. (A)	3,252	170,600
VOXX International Corp. (A)	5,322	67,909
		11,666,495
Internet and direct marketing retail – 0.8%		
1-800-Flowers.com, Inc., Class A (A)	6,032	156,832
CarParts.com, Inc. (A)(B)	8,117	100,570
Groupon, Inc. (A)	5,599	212,734
Lands' End, Inc. (A)	2,928	63,157
Liquidity Services, Inc. (A)	6,755	107,472
Magnite, Inc. (A)	25,537	784,241
Overstock.com, Inc. (A)	10,163	487,519
PetMed Express, Inc.	4,807	154,112
Quotient Technology, Inc. (A)	20,498	193,091
Shutterstock, Inc.	5,176	371,119
Stamps.com, Inc. (A)	4,034	791,430
Stitch Fix, Inc., Class A (A)	14,272	838,052
The RealReal, Inc. (A)	15,143	295,894
Waitr Holdings, Inc. (A)(B)	21,461	59,662
		4,615,885
Leisure products – 0.6%		
Acushnet Holdings Corp.	7,916	320,915
American Outdoor Brands, Inc. (A)	3,708	63,147
Callaway Golf Company	22,250	534,223
Clarus Corp.	6,130	94,402
Escalade, Inc.	2,902	61,435
Johnson Outdoors, Inc., Class A	1,315	148,108
Malibu Boats, Inc., Class A (A)	4,939	308,391
MasterCraft Boat Holdings, Inc. (A)	4,702	116,798
Nautilus, Inc. (A)	7,281	132,077
Smith & Wesson Brands, Inc.	13,098	232,490
Sturm Ruger & Company, Inc.	3,931	255,790
Vista Outdoor, Inc. (A)	13,887	329,955
YETI Holdings, Inc. (A)	18,976	1,299,287
		3,897,018
Multiline retail – 0.2%		
Big Lots, Inc.	9,242	396,759
Dillard's, Inc., Class A (B)	1,787	112,670
Macy's, Inc. (B)	74,374	836,708
		1,346,137
Specialty retail – 2.6%		
Abercrombie & Fitch Company, Class A	14,913	303,629
Academy Sports & Outdoors, Inc. (A)	3,567	73,944
American Eagle Outfitters, Inc.	35,671	715,917
America's Car-Mart, Inc. (A)	1,559	171,241
Asbury Automotive Group, Inc. (A)	4,571	666,178
At Home Group, Inc. (A)	12,846	198,599
Bed Bath & Beyond, Inc. (B)	30,154	535,535
Boot Barn Holdings, Inc. (A)	6,828	296,062
Caleres, Inc.	8,641	135,232
Camping World Holdings, Inc., Class A	7,867	204,935
Chico's FAS, Inc.	32,294	51,347
Citi Trends, Inc.	2,480	123,206
Conn's, Inc. (A)	4,621	54,019
Designer Brands, Inc., Class A	15,543	118,904
GameStop Corp., Class A (A)(B)	13,729	258,654
Genesco, Inc. (A)	3,403	102,396

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Group 1 Automotive, Inc.	4,133	\$ 542,002
GrowGeneration Corp. (A)	8,571	344,726
Guess?, Inc.	9,655	218,396
Haverty Furniture Companies, Inc.	3,991	110,431
Hibbett Sports, Inc. (A)	3,926	181,303
Lithia Motors, Inc., Class A	6,135	1,795,530
Lumber Liquidators Holdings, Inc. (A)	6,885	211,645
MarineMax, Inc. (A)	4,929	172,663
Monro, Inc.	7,887	420,377
Murphy USA, Inc.	6,387	835,867
National Vision Holdings, Inc. (A)	19,156	867,575
OneWater Marine, Inc., Class A	2,081	60,536
Rent-A-Center, Inc.	11,535	441,675
RH (A)	3,741	1,674,172
Sally Beauty Holdings, Inc. (A)	26,613	347,034
Shoe Carnival, Inc.	2,393	93,758
Signet Jewelers, Ltd.	12,357	336,975
Sleep Number Corp. (A)	6,442	527,342
Sonic Automotive, Inc., Class A	5,487	211,634
Sportsman's Warehouse Holdings, Inc. (A)	10,539	184,959
The Aaron's Company, Inc. (A)	8,016	151,983
The Buckle, Inc.	6,798	198,502
The Cato Corp., Class A	5,653	54,212
The Children's Place, Inc. (A)	3,342	167,434
The Container Store Group, Inc. (A)	4,888	46,632
The Michaels Companies, Inc. (A)	17,742	230,823
The ODP Corp.	12,411	363,642
Tilly's, Inc., Class A	5,523	45,068
Urban Outfitters, Inc. (A)	16,353	418,637
Winmark Corp.	749	139,164
Zumiez, Inc. (A)	5,032	185,077
		15,589,572
Textiles, apparel and luxury goods – 0.9%		
Crocs, Inc. (A)	15,825	991,595
Deckers Outdoor Corp. (A)	6,597	1,891,888
Fossil Group, Inc. (A)	11,237	97,425
G-III Apparel Group, Ltd. (A)	10,535	250,101
Kontoor Brands, Inc.	12,212	495,319
Lakeland Industries, Inc. (A)	2,040	55,590
Movado Group, Inc. (A)	3,885	64,569
Oxford Industries, Inc.	3,943	258,306
Rocky Brands, Inc.	1,997	56,056
Steven Madden, Ltd.	19,492	688,457
Superior Group of Companies, Inc.	2,851	66,257
Unifi, Inc. (A)	3,726	66,099
Vera Bradley, Inc. (A)	5,289	42,100
Wolverine World Wide, Inc.	18,962	592,563
		5,616,325
		76,986,316
Consumer staples – 3.1%		
Beverages – 0.3%		
Celsius Holdings, Inc. (A)	8,419	423,560
Coca-Cola Consolidated, Inc.	1,127	300,086
MGP Ingredients, Inc.	3,157	148,568
National Beverage Corp. (B)	2,802	237,890
NewAge, Inc. (A)	24,397	64,164
Primo Water Corp.	37,182	583,014
		1,757,282
Food and staples retailing – 0.7%		
BJ's Wholesale Club Holdings, Inc. (A)	32,485	1,211,041
HF Foods Group, Inc. (A)(B)	9,316	70,056
Ingles Markets, Inc., Class A	3,706	158,098
Performance Food Group Company (A)	31,140	1,482,575
PriceSmart, Inc.	5,454	496,805

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food and staples retailing (continued)		
Rite Aid Corp. (A)	12,925	\$ 204,603
SpartanNash Company	8,767	152,633
The Andersons, Inc.	7,698	188,678
The Chefs' Warehouse, Inc. (A)	7,153	183,761
United Natural Foods, Inc. (A)	13,071	208,744
Village Super Market, Inc., Class A	2,543	56,099
Weis Markets, Inc.	2,254	107,764
		4,520,857
Food products – 1.4%		
Alico, Inc.	1,662	51,555
B&G Foods, Inc. (B)	15,169	420,636
Calavo Growers, Inc.	3,961	275,012
Cal-Maine Foods, Inc. (A)	8,257	309,968
Darling Ingredients, Inc. (A)	38,180	2,202,222
Fresh Del Monte Produce, Inc.	7,391	177,901
Freshpet, Inc. (A)	9,220	1,309,148
Hostess Brands, Inc. (A)	29,567	432,861
J&J Snack Foods Corp.	3,583	556,691
John B. Sanfilippo & Son, Inc.	2,164	170,653
Lancaster Colony Corp.	4,488	824,580
Landec Corp. (A)	6,734	73,064
Limoneira Company	4,775	79,504
Sanderson Farms, Inc.	4,799	634,428
Seneca Foods Corp., Class A (A)	1,784	71,182
The Simply Good Foods Company (A)	20,422	640,434
Tootsie Roll Industries, Inc. (B)	4,010	119,097
Vital Farms, Inc. (A)	2,344	59,327
		8,408,263
Household products – 0.2%		
Central Garden & Pet Company (A)	3,434	132,587
Central Garden & Pet Company, Class A (A)	8,190	297,543
Oil-Dri Corp. of America	1,654	56,368
WD-40 Company	3,230	858,146
		1,344,644
Personal products – 0.4%		
BellRing Brands, Inc., Class A (A)	9,790	237,995
Edgewell Personal Care Company	12,955	447,984
elf Beauty, Inc. (A)	10,789	271,775
Inter Parfums, Inc.	4,317	261,135
Lifevantage Corp. (A)	3,964	36,944
Medifast, Inc.	2,684	526,977
USANA Health Sciences, Inc. (A)	2,721	209,789
Veru, Inc. (A)(B)	14,376	124,352
		2,116,951
Tobacco – 0.1%		
Turning Point Brands, Inc.	2,913	129,803
Universal Corp.	5,821	282,959
Vector Group, Ltd.	33,251	387,374
		800,136
		18,948,133
Energy – 2.0%		
Energy equipment and services – 0.6%		
Archrock, Inc.	31,334	271,352
Aspen Aerogels, Inc. (A)	5,261	87,806
Bristow Group, Inc. (A)	1,595	41,980
Cactus, Inc., Class A	11,576	301,786
ChampionX Corp. (A)	44,422	679,657
DMC Global, Inc.	3,704	160,198
Dril-Quip, Inc. (A)	8,417	249,312
Frank's International NV (A)	39,516	108,274
Helix Energy Solutions Group, Inc. (A)	33,940	142,548
Liberty Oilfield Services, Inc., Class A	17,682	182,301

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
Matrix Service Company (A)	7,349	\$ 80,986
Nabors Industries, Ltd.	1,771	103,125
Newpark Resources, Inc. (A)	23,894	45,876
NexTier Oilfield Solutions, Inc. (A)	40,338	138,763
Oceaneering International, Inc. (A)	24,654	195,999
Oil States International, Inc. (A)	15,321	76,911
Patterson-UTI Energy, Inc.	43,807	230,425
ProPetro Holding Corp. (A)	20,009	147,867
RPC, Inc. (A)	14,451	45,521
Select Energy Services, Inc., Class A (A)	15,372	63,025
Solaris Oilfield Infrastructure, Inc., Class A	7,957	64,770
Tidewater, Inc. (A)	10,362	89,528
Transocean, Ltd. (A)(B)	140,215	323,897
U.S. Silica Holdings, Inc.	18,529	130,074
		3,961,981
Oil, gas and consumable fuels – 1.4%		
Antero Resources Corp. (A)	57,868	315,381
Arch Resources, Inc.	3,686	161,336
Berry Corp.	18,826	69,280
Bonanza Creek Energy, Inc. (A)	4,822	93,209
Brigham Minerals, Inc., Class A	10,757	118,219
Clean Energy Fuels Corp. (A)	31,547	247,959
CNX Resources Corp. (A)	53,322	575,878
CONSOL Energy, Inc. (A)	6,864	49,489
Contango Oil & Gas Company (A)	26,294	60,213
CVR Energy, Inc.	7,321	109,083
Delek US Holdings, Inc.	14,884	239,186
DHT Holdings, Inc.	26,367	137,899
Diamond S Shipping, Inc. (A)	7,222	48,099
Dorian LPG, Ltd. (A)	9,486	115,634
Energy Fuels, Inc. (A)(B)	32,242	137,351
Frontline, Ltd. (B)	27,733	172,499
Golar LNG, Ltd. (A)	22,454	216,457
Green Plains, Inc. (A)	8,443	111,194
International Seaways, Inc.	6,034	98,535
Kosmos Energy, Ltd.	98,330	231,076
Magnolia Oil & Gas Corp., Class A (A)	30,397	214,603
Matador Resources Company (A)	26,999	325,608
Nordic American Tankers, Ltd.	34,604	102,082
Overseas Shipholding Group, Inc., Class A (A)	18,483	39,554
Ovintiv, Inc.	62,694	900,286
Par Pacific Holdings, Inc. (A)	9,958	139,213
PBF Energy, Inc., Class A	23,087	163,918
PDC Energy, Inc. (A)	24,242	497,688
Penn Virginia Corp. (A)(B)	3,883	39,412
Range Resources Corp. (A)	51,922	347,877
Renewable Energy Group, Inc. (A)	9,089	643,683
REX American Resources Corp. (A)	1,383	101,609
Scorpio Tankers, Inc.	11,988	134,146
SFL Corp., Ltd.	23,408	147,002
SM Energy Company	28,156	172,315
Southwestern Energy Company (A)	153,727	458,106
Tellurian, Inc. (A)	44,440	56,883
Uranium Energy Corp. (A)(B)	49,859	87,752
W&T Offshore, Inc. (A)(B)	25,697	55,762
World Fuel Services Corp.	14,951	465,873
		8,401,349
		12,363,330
Financials – 14.9%		
Banks – 7.5%		
1st Source Corp.	3,908	157,492
ACNB Corp.	2,748	68,700
Allegiance Bancshares, Inc.	4,845	165,360

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Altabancorp	4,143	\$ 115,673
Amalgamated Bank, Class A	3,986	54,768
Amerant Bancorp, Inc. (A)	5,421	82,399
American National Bankshares, Inc.	2,537	66,495
Ameris Bancorp	15,787	601,011
Ames National Corp.	3,065	73,621
Arrow Financial Corp.	3,715	111,116
Atlantic Capital Bancshares, Inc. (A)	5,740	91,381
Atlantic Union Bankshares Corp.	18,443	607,512
Bank of California, Inc.	11,231	165,208
BancFirst Corp.	4,506	264,502
BancorpSouth Bank	23,276	638,693
Bank First Corp. (B)	1,686	109,287
Bank of Commerce Holdings	6,115	60,539
Bank of Marin Bancorp	3,422	117,511
BankUnited, Inc.	21,512	748,187
Banner Corp.	8,244	384,088
Bar Harbor Bankshares	4,045	91,377
BayCom Corp. (A)	3,822	57,980
BCB Bancorp, Inc.	5,245	58,062
Berkshire Hills Bancorp, Inc.	10,778	184,519
Boston Private Financial Holdings, Inc.	20,723	175,109
Bridge Bancorp, Inc.	4,093	98,969
Brookline Bancorp, Inc.	19,143	230,482
Bryn Mawr Bank Corp.	4,862	148,753
Business First Bancshares, Inc.	4,470	91,009
Byline Bancorp, Inc.	5,924	91,526
C&F Financial Corp.	1,220	45,274
Cadence Bancorp	29,482	484,094
Cambridge Bancorp	1,709	119,203
Camden National Corp.	3,628	129,810
Capital City Bank Group, Inc.	3,603	88,562
Capstar Financial Holdings, Inc.	4,580	67,555
Carter Bankshares, Inc.	7,002	75,061
Cathay General Bancorp	17,674	568,926
CBTX, Inc.	4,211	107,423
Central Pacific Financial Corp.	6,764	128,584
Central Valley Community Bancorp	3,529	52,547
Century Bancorp, Inc., Class A	879	67,999
ChoiceOne Financial Services, Inc.	2,430	74,868
CIT Group, Inc.	23,346	838,121
Citizens & Northern Corp.	3,629	71,999
City Holding Company	3,636	252,884
Civista Bancshares, Inc.	5,006	87,755
CNB Financial Corp.	3,896	82,946
Codorus Valley Bancorp, Inc.	2,978	50,507
Columbia Banking System, Inc.	16,955	608,685
Community Bank System, Inc.	12,250	763,298
Community Bankers Trust Corp.	6,932	46,791
Community Trust Bancorp, Inc.	3,699	137,048
ConnectOne Bancorp, Inc.	9,005	178,209
CrossFirst Bankshares, Inc. (A)	11,785	126,689
Customers Bancorp, Inc. (A)	7,169	130,332
CVB Financial Corp.	29,960	584,220
Dime Community Bankshares, Inc.	7,729	121,886
Eagle Bancorp Montana, Inc.	2,553	54,175
Eagle Bancorp, Inc.	7,723	318,960
Eastern Bankshares, Inc. (A)	36,029	587,633
Enterprise Financial Services Corp.	5,737	200,508
Equity Bancshares, Inc., Class A (A)	3,692	79,710
Farmers & Merchants Bancorp, Inc.	2,419	55,637
Farmers National Banc Corp.	6,937	92,054
FB Financial Corp.	7,542	261,934
Fidelity D&D Bancorp, Inc. (B)	1,063	68,415
Financial Institutions, Inc.	4,398	98,955

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
First Bancorp (North Carolina)	6,782	\$ 229,435
First Bancorp (Puerto Rico)	51,119	471,317
First Bank	5,475	51,356
First Busey Corp.	11,973	258,018
First Business Financial Services, Inc.	2,976	54,788
First Capital, Inc. (B)	999	60,499
First Choice Bancorp	3,421	63,254
First Commonwealth Financial Corp.	23,024	251,883
First Community Bankshares, Inc.	4,430	95,599
First Community Corp.	2,688	45,669
First Financial Bancorp	23,075	404,505
First Financial Bankshares, Inc.	30,070	1,087,782
First Financial Corp.	3,275	127,234
First Foundation, Inc.	9,578	191,560
First Internet Bancorp	2,690	77,311
First Interstate BancSystem, Inc., Class A	9,572	390,250
First Merchants Corp.	12,820	479,596
First Mid Bancshares, Inc.	3,680	123,869
First Midwest Bancorp, Inc.	27,157	432,339
Flushing Financial Corp.	6,746	112,253
FNCB Bancorp, Inc.	6,281	40,198
Fulton Financial Corp.	37,236	473,642
FVCBankcorp, Inc. (A)	4,176	61,387
German American Bancorp, Inc.	6,020	199,202
Glacier Bancorp, Inc.	22,336	1,027,679
Great Southern Bancorp, Inc.	2,645	129,341
Great Western Bancorp, Inc.	13,338	278,764
Guaranty Bancshares, Inc.	2,321	69,514
Hancock Whitney Corp.	20,340	691,967
Hanmi Financial Corp.	8,740	99,112
HarborOne Bancorp, Inc.	13,583	147,511
HBT Financial, Inc.	2,995	45,374
Heartland Financial USA, Inc.	8,242	332,730
Heritage Commerce Corp.	15,156	134,434
Heritage Financial Corp.	8,888	207,890
Hilltop Holdings, Inc.	16,826	462,883
Home BancShares, Inc.	35,825	697,871
HomeTrust Bancshares, Inc.	4,243	81,932
Hope Bancorp, Inc.	28,116	306,746
Horizon Bancorp, Inc.	10,921	173,207
Howard Bancorp, Inc. (A)	4,785	56,511
Independent Bank Corp. (Massachusetts)	7,733	564,818
Independent Bank Corp. (Michigan)	5,869	108,400
Independent Bank Group, Inc.	8,805	550,489
International Bancshares Corp.	12,459	466,465
Investar Holding Corp.	3,430	56,732
Investors Bancorp, Inc.	53,171	561,486
Lakeland Bancorp, Inc.	11,812	150,012
Lakeland Financial Corp.	5,755	308,353
LCNB Corp.	4,108	60,347
Live Oak Bancshares, Inc.	6,702	318,077
Macatawa Bank Corp.	9,219	77,163
Mercantile Bank Corp.	4,341	117,945
Metrocity Bankshares, Inc.	4,882	70,398
Metropolitan Bank Holding Corp. (A)	2,124	77,037
Mid Penn Bancorp, Inc.	2,496	54,662
Middlefield Banc Corp.	1,990	44,775
Midland States Bancorp, Inc.	5,351	95,622
MidWestOne Financial Group, Inc.	3,822	93,639
MVB Financial Corp.	2,831	64,207
National Bank Holdings Corp., Class A	6,825	223,587
National Bankshares, Inc.	2,153	67,410
NBT Bancorp, Inc.	10,145	325,655
Nicolet Bankshares, Inc. (A)	2,273	150,814
Northeast Bank	2,579	58,079

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Northrim BanCorp, Inc.	2,084	\$ 70,752
Norwood Financial Corp.	1,939	50,744
OceanFirst Financial Corp.	14,345	267,247
OFG Bancorp	12,244	227,004
Old National Bancorp	37,889	627,442
Old Second Bancorp, Inc.	7,808	78,861
Origin Bancorp, Inc.	5,431	150,819
Orrstown Financial Services, Inc.	3,945	65,290
Pacific Premier Bancorp, Inc.	19,130	599,343
Park National Corp.	3,376	354,514
Parke Bancorp, Inc.	3,084	48,110
PCB Bancorp	4,805	48,579
Peapack-Gladstone Financial Corp.	4,705	107,086
Penns Woods Bancorp, Inc.	2,268	58,991
Peoples Bancorp, Inc.	4,872	131,982
Peoples Financial Services Corp.	2,003	73,630
Preferred Bank	3,475	175,383
Premier Financial Bancorp, Inc.	4,267	56,708
Professional Holding Corp., Class A (A)	2,839	43,806
QCR Holdings, Inc.	3,699	146,443
RBB Bancorp	5,142	79,084
Red River Bancshares, Inc.	1,500	74,325
Reliant Bancorp, Inc.	3,926	73,102
Renasant Corp.	12,890	434,135
Republic Bancorp, Inc., Class A	2,531	91,293
Richmond Mutual Bancorporation, Inc.	4,349	59,407
S&T Bancorp, Inc.	9,263	230,093
Sandy Spring Bancorp, Inc.	10,824	348,425
Seacoast Banking Corp. of Florida (A)	12,310	362,530
Select Bancorp, Inc. (A)	6,122	57,975
ServisFirst Bancshares, Inc.	11,471	462,167
Shore Bancshares, Inc.	4,242	61,933
Sierra Bancorp	4,140	99,029
Silvergate Capital Corp., Class A (A)	3,772	280,297
Simmons First National Corp., Class A	25,422	548,861
SmartFinancial, Inc.	3,860	70,020
South State Corp.	16,490	1,192,227
Southern First Bancshares, Inc. (A)	2,436	86,113
Southern National Bancorp of Virginia, Inc.	5,947	72,018
Southside Bancshares, Inc.	7,285	226,054
Spirit of Texas Bancshares, Inc.	3,696	62,093
Stock Yards Bancorp, Inc.	4,762	192,766
Summit Financial Group, Inc.	3,318	73,261
Texas Capital Bancshares, Inc. (A)	12,006	714,357
The Bancorp, Inc. (A)	12,891	175,962
The Bank of NT Butterfield & Son, Ltd.	11,714	365,008
The First Bancorp, Inc.	3,046	77,368
The First Bancshares, Inc.	5,241	161,842
The First of Long Island Corp.	5,738	102,423
Tompkins Financial Corp.	3,448	243,429
Towne Bank	15,585	365,936
TriCo Bancshares	6,418	226,427
TriState Capital Holdings, Inc. (A)	6,740	117,276
Triumph Bancorp, Inc. (A)	5,421	263,190
Trustmark Corp.	14,816	404,625
UMB Financial Corp.	10,113	697,696
United Bankshares, Inc.	29,001	939,632
United Community Banks, Inc.	18,425	524,007
Univest Financial Corp.	7,491	154,165
Valley National Bancorp	93,863	915,164
Veritex Holdings, Inc.	11,285	289,573
Washington Trust Bancorp, Inc.	4,149	185,875
WesBanco, Inc.	15,432	462,343
West Bancorporation, Inc.	4,939	95,323

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Westamerica Bancorporation	6,201	\$ 342,853
		45,657,586
Capital markets – 1.6%		
Artisan Partners Asset Management, Inc., Class A	13,094	659,152
Assetmark Financial Holdings, Inc. (A)	4,189	101,374
B Riley Financial, Inc.	4,615	204,075
BGC Partners, Inc., Class A	73,298	293,192
Blucora, Inc. (A)	12,034	191,461
BrightSphere Investment Group, Inc.	14,592	281,334
Cohen & Steers, Inc.	5,819	432,352
Cowen, Inc., Class A	6,304	163,841
Diamond Hill Investment Group, Inc.	838	125,088
Donnelley Financial Solutions, Inc. (A)	7,034	119,367
Ellington Financial, Inc.	9,788	145,254
Federated Hermes, Inc.	22,586	652,510
Focus Financial Partners, Inc., Class A (A)	7,597	330,470
Greenhill & Company, Inc.	3,986	48,390
Hamilton Lane, Inc., Class A	7,389	576,711
Houlihan Lokey, Inc.	12,213	821,080
Moelis & Company, Class A	12,633	590,719
Oppenheimer Holdings, Inc., Class A	2,585	81,247
Piper Sandler Companies	4,136	417,322
PJT Partners, Inc., Class A	5,561	418,465
Safeguard Scientifics, Inc. (A)	6,736	42,976
Sculptor Capital Management, Inc.	4,486	68,187
Silvercrest Asset Management Group, Inc., Class A	3,378	46,920
StepStone Group, Inc., Class A (A)	4,402	175,200
Stifel Financial Corp.	23,673	1,194,540
StoneX Group, Inc. (A)	3,872	224,189
Virtus Investment Partners, Inc.	1,746	378,882
Waddell & Reed Financial, Inc., Class A	14,618	372,320
WisdomTree Investments, Inc.	33,757	180,600
		9,337,218
Consumer finance – 0.7%		
Curo Group Holdings Corp.	4,621	66,219
Encore Capital Group, Inc. (A)	7,388	287,763
Enova International, Inc. (A)	8,347	206,755
EZCORP, Inc., Class A (A)	12,909	61,834
FirstCash, Inc.	9,701	679,458
Green Dot Corp., Class A (A)	12,233	682,601
LendingClub Corp. (A)	16,947	178,960
Navient Corp.	43,156	423,792
Nelnet, Inc., Class A	4,058	289,092
Oportun Financial Corp. (A)	5,057	97,954
PRA Group, Inc. (A)	10,765	426,940
PROG Holdings, Inc. (A)	16,018	862,890
Regional Management Corp.	2,309	68,947
World Acceptance Corp. (A)(B)	1,088	111,215
		4,444,420
Diversified financial services – 0.2%		
Alerus Financial Corp.	4,212	115,282
Banco Latinoamericano de Comercio Exterior SA, Class E	7,340	116,192
Cannae Holdings, Inc. (A)	20,397	902,975
NewStar Financial, Inc. (A)(C)	8,978	912
		1,135,361
Insurance – 2.1%		
Ambac Financial Group, Inc. (A)	10,855	166,950
American Equity Investment Life Holding Company	21,356	590,707
AMERISAFE, Inc.	4,569	262,398
Argo Group International Holdings, Ltd.	7,853	343,176

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
BRP Group, Inc., Class A (A)	10,035	\$ 300,749
Citizens, Inc. (A)(B)	13,882	79,544
CNO Financial Group, Inc.	32,697	726,854
Crawford & Company, Class A	5,167	38,184
Donegal Group, Inc., Class A	3,248	45,699
eHealth, Inc. (A)	6,153	434,463
Employers Holdings, Inc.	7,148	230,094
Enstar Group, Ltd. (A)	2,808	575,331
FBL Financial Group, Inc., Class A	2,332	122,453
Genworth Financial, Inc., Class A (A)	119,709	452,500
Goosehead Insurance, Inc., Class A	3,107	387,629
Greenlight Capital Re, Ltd., Class A (A)	8,437	61,674
HCI Group, Inc.	1,624	84,935
Heritage Insurance Holdings, Inc.	6,819	69,076
Horace Mann Educators Corp.	9,893	415,902
Independence Holding Company	1,293	53,013
Investors Title Company	361	55,233
James River Group Holdings, Ltd.	7,116	349,751
Kinsale Capital Group, Inc.	5,023	1,005,253
MBIA, Inc. (A)	14,168	93,225
National General Holdings Corp.	16,059	548,897
National Western Life Group, Inc., Class A	620	127,993
NI Holdings, Inc. (A)	2,793	45,861
Palomar Holdings, Inc. (A)	4,845	430,430
ProAssurance Corp.	12,891	229,331
RLI Corp.	9,347	973,490
Safety Insurance Group, Inc.	3,454	269,067
Selective Insurance Group, Inc.	13,958	934,907
Selectquote, Inc. (A)	7,471	155,023
State Auto Financial Corp.	4,831	85,702
Stewart Information Services Corp.	6,286	303,991
Third Point Reinsurance, Ltd. (A)	19,933	189,762
Tiptree, Inc.	7,793	39,121
Trupanion, Inc. (A)	7,159	857,004
United Fire Group, Inc.	4,999	125,475
Universal Insurance Holdings, Inc.	6,452	97,490
Watford Holdings, Ltd. (A)	4,206	145,528
		12,503,865
Mortgage real estate investment trusts – 1.2%		
Anworth Mortgage Asset Corp.	26,624	72,151
Apollo Commercial Real Estate Finance, Inc.	33,567	374,943
Arbor Realty Trust, Inc.	26,129	370,509
Ares Commercial Real Estate Corp.	7,972	94,947
ARMOUR Residential REIT, Inc.	14,671	158,300
Blackstone Mortgage Trust, Inc., Class A	32,290	888,944
Broadmark Realty Capital, Inc.	30,476	310,855
Capstead Mortgage Corp.	22,669	131,707
Cherry Hill Mortgage Investment Corp.	4,758	43,488
Chimera Investment Corp.	44,952	460,758
Colony Credit Real Estate, Inc.	19,969	149,768
Dynex Capital, Inc.	5,548	98,754
Granite Point Mortgage Trust, Inc.	12,774	127,612
Great Ajax Corp.	6,176	64,601
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	17,415	1,104,633
Invesco Mortgage Capital, Inc. (B)	44,924	151,843
KKR Real Estate Finance Trust, Inc.	6,587	118,039
Ladder Capital Corp.	25,462	249,018
MFA Financial, Inc.	108,062	420,361
New York Mortgage Trust, Inc.	91,078	336,078
Orchid Island Capital, Inc. (B)	16,768	87,529
PennyMac Mortgage Investment Trust	23,238	408,756
Ready Capital Corp.	10,231	127,376
Redwood Trust, Inc.	27,375	240,353

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
TPG RE Finance Trust, Inc.	14,275	\$ 151,601
Two Harbors Investment Corp.	65,378	416,458
Western Asset Mortgage Capital Corp. (B)	14,326	46,703
		7,206,085
Thriffs and mortgage finance – 1.6%		
Axos Financial, Inc. (A)	13,434	504,178
Bridgewater Bancshares, Inc. (A)	6,504	81,235
Capitol Federal Financial, Inc.	30,228	377,850
Columbia Financial, Inc. (A)	11,367	176,871
ESSA Bancorp, Inc.	3,316	49,740
Essent Group, Ltd.	26,070	1,126,224
Federal Agricultural Mortgage Corp., Class C	2,226	165,281
Flagstar Bancorp, Inc.	10,032	408,904
FS Bancorp, Inc.	1,130	61,924
Home Bancorp, Inc.	2,415	67,596
HomeStreet, Inc.	5,438	183,533
Kearny Financial Corp.	19,706	208,095
Luther Burbank Corp.	4,928	48,294
Merchants Bancorp	2,195	60,648
Meridian Bancorp, Inc.	12,020	179,218
Meta Financial Group, Inc.	8,025	293,394
Mr. Cooper Group, Inc. (A)	17,985	558,075
NMI Holdings, Inc., Class A (A)	19,638	444,801
Northfield Bancorp, Inc.	12,821	158,083
Northwest Bancshares, Inc.	27,504	350,401
PCSB Financial Corp.	4,954	78,967
PennyMac Financial Services, Inc.	10,009	656,791
Premier Financial Corp.	9,134	210,082
Provident Financial Services, Inc.	16,927	304,009
Radian Group, Inc.	45,192	915,138
Riverview Bancorp, Inc.	7,716	40,586
Southern Missouri Bancorp, Inc.	2,506	76,283
Territorial Bancorp, Inc.	2,612	62,766
The Hingham Institution for Savings	367	79,272
Timberland Bancorp, Inc.	2,281	55,337
TrustCo Bank Corp.	25,217	168,197
Walker & Dunlop, Inc.	6,718	618,190
Washington Federal, Inc.	17,729	456,344
Waterstone Financial, Inc.	6,151	115,762
Western New England Bancorp, Inc.	7,934	54,665
WSFS Financial Corp.	11,806	529,853
		9,926,587
		90,211,122
Health care – 20.5%		
Biotechnology – 10.9%		
89bio, Inc. (A)	2,053	50,032
Achillion Pharmaceuticals, Inc. (A)(C)	38,157	57,052
ADMA Biologics, Inc. (A)(B)	18,057	35,211
Aduro Biotech, Inc. (A)(C)	4,010	12,030
Adverum Biotechnologies, Inc. (A)	21,306	230,957
Aeglea BioTherapeutics, Inc. (A)	11,398	89,702
Affimed NV (A)	20,553	119,618
Agenus, Inc. (A)	38,408	122,137
Akebia Therapeutics, Inc. (A)	35,980	100,744
Akero Therapeutics, Inc. (A)	3,446	88,907
Akouos, Inc. (A)	3,687	73,113
Albireo Pharma, Inc. (A)	4,144	155,441
Alder Biopharmaceuticals, Inc. (A)(B)(C)	20,275	30,587
Alector, Inc. (A)	11,377	172,134
Aligos Therapeutics, Inc. (A)	2,481	68,600
Allakos, Inc. (A)(B)	6,205	868,700
Allogene Therapeutics, Inc. (A)	12,766	322,214
Allovir, Inc. (A)	4,258	163,678

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
ALX Oncology Holdings, Inc. (A)	2,287	\$ 197,139
Amicus Therapeutics, Inc. (A)	61,076	1,410,245
AnaptysBio, Inc. (A)	5,353	115,090
Anavex Life Sciences Corp. (A)(B)	13,898	75,049
Anika Therapeutics, Inc. (A)	3,299	149,313
Annexon, Inc. (A)	3,761	94,138
Apellis Pharmaceuticals, Inc. (A)	14,373	822,136
Applied Genetic Technologies Corp. (A)	8,307	33,976
Applied Molecular Transport, Inc. (A)	3,150	96,926
Applied Therapeutics, Inc. (A)	3,508	77,211
Aprea Therapeutics, Inc. (A)	1,910	9,397
Arcturus Therapeutics Holdings, Inc. (A)	5,227	226,747
Arcus Biosciences, Inc. (A)	10,063	261,235
Arcutis Biotherapeutics, Inc. (A)	4,915	138,259
Ardelyx, Inc. (A)	18,071	116,919
Arena Pharmaceuticals, Inc. (A)	13,867	1,065,402
Arrowhead Pharmaceuticals, Inc. (A)	23,851	1,830,087
Assembly Biosciences, Inc. (A)	8,210	49,671
Atara Biotherapeutics, Inc. (A)	17,974	352,830
Athenex, Inc. (A)	16,874	186,626
Athersys, Inc. (A)(B)	45,421	79,487
Atreca, Inc., Class A (A)	7,104	114,730
AVEO Pharmaceuticals, Inc. (A)	5,967	34,430
Avid Bioservices, Inc. (A)	13,483	155,594
Avidity Biosciences, Inc. (A)	3,919	100,013
Avrobio, Inc. (A)	7,979	111,227
Beam Therapeutics, Inc. (A)(B)	9,446	771,171
Beyondspring, Inc. (A)	3,953	48,227
BioCryst Pharmaceuticals, Inc. (A)	42,417	316,007
Biohaven Pharmaceutical Holding Company, Ltd. (A)	11,471	983,179
Bioexcel Therapeutics, Inc. (A)	3,063	141,511
Black Diamond Therapeutics, Inc. (A)	4,462	143,007
Blueprint Medicines Corp. (A)	13,156	1,475,445
BrainStorm Cell Therapeutics, Inc. (A)(B)	7,315	33,100
Bridgebio Pharma, Inc. (A)	17,345	1,233,403
C4 Therapeutics, Inc. (A)	2,501	82,858
Cabaletta Bio, Inc. (A)	3,621	45,190
Calithera Biosciences, Inc. (A)	17,448	85,670
CareDx, Inc. (A)	11,413	826,872
CASI Pharmaceuticals, Inc. (A)	17,217	50,790
Catalyst Biosciences, Inc. (A)	6,176	38,971
Catalyst Pharmaceuticals, Inc. (A)	23,994	80,140
Cellular Biomedicine Group, Inc. (A)	3,392	62,345
CEL-SCI Corp. (A)(B)	8,433	98,329
Checkpoint Therapeutics, Inc. (A)(B)	14,571	38,613
ChemoCentryx, Inc. (A)	11,813	731,461
Chimerix, Inc. (A)	12,839	62,012
Chinook Therapeutics, Inc. (A)	3,360	53,290
Clovis Oncology, Inc. (A)(B)	20,691	99,317
Coherus Biosciences, Inc. (A)	13,720	238,454
Concert Pharmaceuticals, Inc. (A)	7,755	98,023
Constellation Pharmaceuticals, Inc. (A)	7,427	213,898
ContraFect Corp. (A)(B)	7,837	39,577
Corbus Pharmaceuticals Holdings, Inc. (A)	21,270	26,588
Cortexyme, Inc. (A)(B)	3,897	108,259
Crinetics Pharmaceuticals, Inc. (A)	6,761	95,398
Cue Biopharma, Inc. (A)	7,455	93,262
Cytokinetics, Inc. (A)	15,905	330,506
CytomX Therapeutics, Inc. (A)	11,895	77,912
Deciphera Pharmaceuticals, Inc. (A)	9,050	516,484
Denali Therapeutics, Inc. (A)	14,960	1,253,050
DermTech, Inc. (A)	2,475	80,289
Dicerna Pharmaceuticals, Inc. (A)	15,754	347,061
Dyadic International, Inc. (A)	5,816	31,290

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Dynavax Technologies Corp. (A)(B)	25,850	\$ 115,033
Dyne Therapeutics, Inc. (A)	3,394	71,274
Eagle Pharmaceuticals, Inc. (A)	2,586	120,430
Editas Medicine, Inc. (A)	14,980	1,050,248
Eidos Therapeutics, Inc. (A)	2,608	343,161
Eiger BioPharmaceuticals, Inc. (A)	7,865	96,661
Emergent BioSolutions, Inc. (A)	10,677	956,659
Enanta Pharmaceuticals, Inc. (A)	4,552	191,639
Epizyme, Inc. (A)	21,334	231,687
Esperion Therapeutics, Inc. (A)(B)	6,368	165,568
Evelo Biosciences, Inc. (A)(B)	5,451	65,903
Excicure, Inc. (A)	17,707	31,341
Fate Therapeutics, Inc. (A)	17,042	1,549,629
Fennec Pharmaceuticals, Inc. (A)	6,295	46,898
FibroGen, Inc. (A)	20,086	744,990
Five Prime Therapeutics, Inc. (A)	7,468	127,031
Flexion Therapeutics, Inc. (A)	11,127	128,406
Forma Therapeutics Holdings, Inc. (A)	4,130	144,137
Fortress Biotech, Inc. (A)	17,848	56,578
Frequency Therapeutics, Inc. (A)(B)	6,062	213,746
G1 Therapeutics, Inc. (A)	8,210	147,698
Generation Bio Company (A)	2,890	81,932
Geron Corp. (A)(B)	72,873	115,868
GlycoMimetics, Inc. (A)	10,232	38,472
Gossamer Bio, Inc. (A)	13,831	133,746
Halozyyme Therapeutics, Inc. (A)	31,605	1,349,850
Harpoon Therapeutics, Inc. (A)	2,795	46,425
Heron Therapeutics, Inc. (A)	21,187	448,423
Homology Medicines, Inc. (A)	8,943	100,966
Hookipa Pharma, Inc. (A)	3,739	41,466
iBio, Inc. (A)	48,447	50,869
Ideaya Biosciences, Inc. (A)	4,183	58,562
IGM Biosciences, Inc. (A)(B)	1,684	148,680
ImmunoGen, Inc. (A)	43,764	282,278
Immunovant, Inc. (A)	8,810	406,934
Inhibrx, Inc. (A)	1,931	63,665
Inovio Pharmaceuticals, Inc. (A)(B)	37,877	335,211
Inozyme Pharma, Inc. (A)	2,072	42,766
Insmed, Inc. (A)	24,155	804,120
Intellia Therapeutics, Inc. (A)	11,975	651,440
Intercept Pharmaceuticals, Inc. (A)	6,173	152,473
Invitae Corp. (A)(B)	27,428	1,146,765
Ironwood Pharmaceuticals, Inc. (A)	38,298	436,214
iTeos Therapeutics, Inc. (A)	2,733	92,430
IVERIC bio, Inc. (A)	19,835	137,060
Kadmon Holdings, Inc. (A)	42,380	175,877
KalVista Pharmaceuticals, Inc. (A)	3,791	71,991
Karuna Therapeutics, Inc. (A)	3,798	385,839
Karyopharm Therapeutics, Inc. (A)	16,768	259,569
Keros Therapeutics, Inc. (A)	3,070	216,558
Kezar Life Sciences, Inc. (A)	9,131	47,664
Kindred Biosciences, Inc. (A)	10,477	45,156
Kiniksa Pharmaceuticals, Ltd., Class A (A)	6,479	114,484
Kodiak Sciences, Inc. (A)	7,663	1,125,771
Kronos Bio, Inc. (A)	3,395	101,409
Krystal Biotech, Inc. (A)	3,335	200,100
Kura Oncology, Inc. (A)	14,570	475,856
Kymera Therapeutics, Inc. (A)	2,363	146,506
Lexicon Pharmaceuticals, Inc. (A)(B)	11,930	40,801
Ligand Pharmaceuticals, Inc. (A)	3,448	342,904
LogicBio Therapeutics, Inc. (A)	4,467	34,083
MacroGenics, Inc. (A)	13,000	297,180
Madrigal Pharmaceuticals, Inc. (A)	2,083	231,567
Magenta Therapeutics, Inc. (A)	5,692	44,625
MannKind Corp. (A)	54,148	169,483

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
MediciNova, Inc. (A)(B)	11,462	\$ 60,290
MEI Pharma, Inc. (A)	28,303	74,720
MeiraGTx Holdings PLC (A)	5,457	82,619
Mersana Therapeutics, Inc. (A)	12,805	340,741
Mirati Therapeutics, Inc. (A)	10,132	2,225,393
Molecular Templates, Inc. (A)	6,792	63,777
Morphic Holding, Inc. (A)	3,483	116,855
Mustang Bio, Inc. (A)	14,758	55,859
Myriad Genetics, Inc. (A)	17,215	340,427
NantKwest, Inc. (A)	7,669	102,228
Natera, Inc. (A)	17,898	1,781,209
Neoleukin Therapeutics, Inc. (A)	8,230	116,043
Neubase Therapeutics, Inc. (A)	4,939	34,524
NextCure, Inc. (A)	4,378	47,720
Nkarta, Inc. (A)	3,931	241,639
Novavax, Inc. (A)(B)	14,636	1,632,060
Nurix Therapeutics, Inc. (A)	2,743	90,190
Oncocyte Corp. (A)	17,460	41,729
Oncorus, Inc. (A)	1,603	51,825
OPKO Health, Inc. (A)(B)	94,697	374,053
ORIC Pharmaceuticals, Inc. (A)(B)	5,249	177,679
Passage Bio, Inc. (A)	5,931	151,656
PDL BioPharma, Inc. (A)	28,581	70,595
Pfenex, Inc. (A)(C)	9,241	6,931
Pieris Pharmaceuticals, Inc. (A)	14,962	37,405
PMV Pharmaceuticals, Inc. (A)	3,189	196,155
Praxis Precision Medicines, Inc. (A)	2,565	141,126
Precigen, Inc. (A)(B)	15,743	160,579
Precision BioSciences, Inc. (A)	11,260	93,908
Prelude Therapeutics, Inc. (A)	2,163	154,763
Prevail Therapeutics, Inc. (A)	3,825	88,243
Progenics Pharmaceuticals, Inc. (A)(C)	24,422	1,099
Protagonist Therapeutics, Inc. (A)	7,532	151,845
Prothena Corp. PLC (A)	8,019	96,308
PTC Therapeutics, Inc. (A)	14,735	899,277
Puma Biotechnology, Inc. (A)	7,585	77,822
Radius Health, Inc. (A)	11,071	197,728
RAPT Therapeutics, Inc. (A)(B)	2,775	54,806
REGENXBIO, Inc. (A)	8,218	372,768
Relay Therapeutics, Inc. (A)	7,658	318,266
Replimune Group, Inc. (A)	5,637	215,052
REVOLUTION Medicines, Inc. (A)	9,201	364,268
Rhythm Pharmaceuticals, Inc. (A)	7,982	237,305
Rigel Pharmaceuticals, Inc. (A)	41,939	146,787
Rocket Pharmaceuticals, Inc. (A)	8,130	445,849
Rubius Therapeutics, Inc. (A)	9,421	71,505
Sangamo Therapeutics, Inc. (A)	27,585	430,464
Scholar Rock Holding Corp. (A)	6,046	293,412
Selecta Biosciences, Inc. (A)	18,150	54,995
Seres Therapeutics, Inc. (A)	13,060	319,970
Shattuck Labs, Inc. (A)	3,077	161,266
Soleno Therapeutics, Inc. (A)	17,484	33,744
Solid Biosciences, Inc. (A)(B)	7,342	55,652
Sorrento Therapeutics, Inc. (A)(B)	59,287	404,634
Spectrum Pharmaceuticals, Inc. (A)	36,046	122,917
Spero Therapeutics, Inc. (A)	5,199	100,809
SpringWorks Therapeutics, Inc. (A)	5,662	410,608
Spruce Biosciences, Inc. (A)	1,736	42,202
Stemline Therapeutics, Inc. (A)(C)	12,819	4,230
Stoke Therapeutics, Inc. (A)	3,004	186,038
Sutro Biopharma, Inc. (A)	6,769	146,955
Syndax Pharmaceuticals, Inc. (A)	6,686	148,697
Synergy Pharmaceuticals, Inc. (A)(C)	80,513	233
Syros Pharmaceuticals, Inc. (A)	10,284	111,581
Taysha Gene Therapies, Inc. (A)	2,084	55,309

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
TCR2 Therapeutics, Inc. (A)	6,205	\$ 191,921
TG Therapeutics, Inc. (A)	27,330	1,421,707
Translate Bio, Inc. (A)	16,226	299,045
Traverse Therapeutics, Inc. (A)	11,792	321,391
Turning Point Therapeutics, Inc. (A)	8,820	1,074,717
Twist Bioscience Corp. (A)	7,783	1,099,660
Ultragenyx Pharmaceutical, Inc. (A)	14,871	2,058,593
UNITY Biotechnology, Inc. (A)(B)	9,603	50,320
UroGen Pharma, Ltd. (A)(B)	4,901	88,316
Vanda Pharmaceuticals, Inc. (A)	13,368	175,656
Vaxart, Inc. (A)(B)	12,546	71,638
Vaxcyte, Inc. (A)	4,469	118,741
VBI Vaccines, Inc. (A)(B)	43,449	119,485
Veracyte, Inc. (A)	13,662	668,618
Verastem, Inc. (A)	43,277	92,180
Vericel Corp. (A)	10,767	332,485
Viela Bio, Inc. (A)(B)	5,126	184,382
Viking Therapeutics, Inc. (A)(B)	16,857	94,905
Vir Biotechnology, Inc. (A)	12,722	340,695
Voyager Therapeutics, Inc. (A)	6,930	49,550
XBioTech, Inc. (A)(B)	3,689	57,733
Xencor, Inc. (A)	13,296	580,104
XOMA Corp. (A)	1,566	69,108
Y-mAbs Therapeutics, Inc. (A)	7,257	359,294
Zentalis Pharmaceuticals, Inc. (A)	6,772	351,738
ZIOPHARM Oncology, Inc. (A)(B)	53,397	134,560
		66,302,332
Health care equipment and supplies – 3.3%		
Accelerate Diagnostics, Inc. (A)(B)	8,074	61,201
Accuray, Inc. (A)	23,207	96,773
Acutus Medical, Inc. (A)	2,396	69,029
Alphatec Holdings, Inc. (A)	13,182	191,403
AngioDynamics, Inc. (A)	8,767	134,398
Antares Pharma, Inc. (A)	39,081	155,933
Apyx Medical Corp. (A)	8,997	64,778
Aspira Women's Health, Inc. (A)(B)	19,611	131,590
AtriCure, Inc. (A)	10,473	583,032
Atrion Corp.	338	217,077
Avanos Medical, Inc. (A)	11,395	522,803
Axogen, Inc. (A)	9,109	163,051
Axonics Modulation Technologies, Inc. (A)(B)	7,278	363,318
BioLife Solutions, Inc. (A)	3,461	138,059
Cantel Medical Corp.	9,048	713,525
Cardiovascular Systems, Inc. (A)	9,332	408,368
Cerus Corp. (A)	39,309	272,018
Co-Diagnostics, Inc. (A)(B)	6,487	60,329
CONMED Corp.	6,468	724,416
CryoLife, Inc. (A)	8,885	209,775
CryoPort, Inc. (A)(B)	8,272	362,975
Cutera, Inc. (A)	4,316	104,059
CytoSorbents Corp. (A)	10,799	86,068
Eargo, Inc. (A)	1,812	81,214
GenMark Diagnostics, Inc. (A)	16,807	245,382
Glaukos Corp. (A)	10,186	766,598
Heska Corp. (A)	1,643	239,303
Inari Medical, Inc. (A)	1,826	159,392
Inogen, Inc. (A)	4,400	196,592
Integer Holdings Corp. (A)	7,783	631,902
IntriCon Corp. (A)	2,548	46,119
Invacare Corp.	8,881	79,485
iRadimed Corp. (A)	1,761	40,151
iRhythm Technologies, Inc. (A)	6,829	1,619,907
Lantheus Holdings, Inc. (A)	15,998	215,813
LeMaitre Vascular, Inc.	4,121	166,901

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
LivaNova PLC (A)	11,650	\$ 771,347
Meridian Bioscience, Inc. (A)	10,145	189,610
Merit Medical Systems, Inc. (A)	12,918	717,078
Mesa Laboratories, Inc.	1,134	325,050
Misonix, Inc. (A)	3,608	45,100
Natus Medical, Inc. (A)	8,343	167,194
Neogen Corp. (A)	12,535	994,026
Nevro Corp. (A)	8,075	1,397,783
NuVasive, Inc. (A)	12,215	688,071
OraSure Technologies, Inc. (A)	16,729	177,076
Orthofix Medical, Inc. (A)	4,353	187,092
OrthoPediatrics Corp. (A)	3,050	125,813
Outset Medical, Inc. (A)	2,232	126,867
Pulmonx Corp. (A)	2,647	182,696
Pulse Biosciences, Inc. (A)(B)	3,683	87,876
Quotient, Ltd. (A)	17,581	91,597
Repro-Med Systems, Inc. (A)	7,137	42,965
Retractable Technologies, Inc. (A)(B)	3,308	35,528
SeaSpine Holdings Corp. (A)	6,544	114,193
Shockwave Medical, Inc. (A)	6,783	703,533
SI-BONE, Inc. (A)	6,863	205,204
Sientra, Inc. (A)	12,546	48,804
Silk Road Medical, Inc. (A)	6,502	409,496
STAAR Surgical Company (A)	10,905	863,894
Stereotaxis, Inc. (A)	12,474	63,493
Surgalign Holdings, Inc. (A)	17,127	37,508
Surmodics, Inc. (A)	3,132	136,305
Tactile Systems Technology, Inc. (A)	4,525	203,354
TransMedics Group, Inc. (A)	6,367	126,703
Utah Medical Products, Inc.	828	69,800
Vapotherm, Inc. (A)	4,765	127,988
Varex Imaging Corp. (A)	9,420	157,126
ViewRay, Inc. (A)	28,267	107,980
Zynex, Inc. (A)	4,568	61,485
		20,112,372
Health care providers and services – 2.7%		
1Life Healthcare, Inc. (A)	18,726	817,390
AdaptHealth Corp. (A)	5,918	222,280
Addus HomeCare Corp. (A)	3,411	399,394
American Renal Associates Holdings, Inc. (A)	3,581	41,002
AMN Healthcare Services, Inc. (A)	11,069	755,459
Apollo Medical Holdings, Inc. (A)	4,999	91,332
BioTelemetry, Inc. (A)	8,028	578,658
Brookdale Senior Living, Inc. (A)	43,703	193,604
Castle Biosciences, Inc. (A)	2,896	194,466
Community Health Systems, Inc. (A)	20,560	152,761
CorVel Corp. (A)	2,105	223,130
Covetrus, Inc. (A)	27,451	788,942
Cross Country Healthcare, Inc. (A)	9,312	82,597
Five Star Senior Living, Inc. (A)	5,361	36,991
Fulgent Genetics, Inc. (A)(B)	3,172	165,261
Hanger, Inc. (A)	8,943	196,657
HealthEquity, Inc. (A)	17,898	1,247,670
InfuSystem Holdings, Inc. (A)	4,062	76,284
LHC Group, Inc. (A)	7,201	1,536,117
Magellan Health, Inc. (A)	5,738	475,336
MEDNAX, Inc. (A)	17,791	436,591
National HealthCare Corp.	2,925	194,249
National Research Corp.	3,270	139,793
Ontrak, Inc. (A)(B)	1,914	118,266
Option Care Health, Inc. (A)	10,753	168,177
Owens & Minor, Inc.	17,084	462,122
Patterson Companies, Inc.	20,218	599,059
PetIQ, Inc. (A)(B)	5,072	195,018

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
Progyny, Inc. (A)	6,359	\$ 269,558
R1 RCM, Inc. (A)	25,840	620,677
RadNet, Inc. (A)	10,556	206,581
Select Medical Holdings Corp. (A)	25,793	713,434
Sharps Compliance Corp. (A)	4,759	44,973
Surgery Partners, Inc. (A)	5,532	160,483
Tenet Healthcare Corp. (A)	24,829	991,422
The Ensign Group, Inc.	12,223	891,301
The Joint Corp. (A)	3,472	91,175
The Pennant Group, Inc. (A)	6,061	351,902
The Providence Service Corp. (A)	2,875	398,561
Tivity Health, Inc. (A)	10,271	201,209
Triple-S Management Corp., Class B (A)	5,298	113,112
US Physical Therapy, Inc.	3,030	364,358
Viemed Healthcare, Inc. (A)	9,259	71,850
		16,079,202
Health care technology – 1.2%		
Accolade, Inc. (A)	2,974	129,369
Allscripts Healthcare Solutions, Inc. (A)	37,630	543,377
Computer Programs & Systems, Inc.	3,402	91,310
Evolent Health, Inc., Class A (A)	17,936	287,514
Health Catalyst, Inc. (A)	8,045	350,199
HealthStream, Inc. (A)	6,060	132,350
HMS Holdings Corp. (A)	20,991	771,419
Icad, Inc. (A)	5,542	73,154
Inovalon Holdings, Inc., Class A (A)	17,723	322,027
Inspire Medical Systems, Inc. (A)	6,232	1,172,177
NextGen Healthcare, Inc. (A)	13,175	240,312
Omniceil, Inc. (A)	10,083	1,210,162
OptimizeRx Corp. (A)	3,684	114,793
Phreesia, Inc. (A)	7,717	418,724
Schrodinger, Inc. (A)	7,116	563,445
Simulations Plus, Inc.	3,379	243,018
Tabula Rasa HealthCare, Inc. (A)(B)	5,076	217,456
Vocera Communications, Inc. (A)	7,632	316,957
		7,197,763
Life sciences tools and services – 0.9%		
ChromaDex Corp. (A)	11,464	55,027
Codexis, Inc. (A)	12,810	279,642
Fluidigm Corp. (A)(B)	17,934	107,604
Harvard Bioscience, Inc. (A)	11,456	49,146
Luminex Corp.	10,163	234,969
Medpace Holdings, Inc. (A)	6,519	907,445
NanoString Technologies, Inc. (A)	10,432	697,692
NeoGenomics, Inc. (A)	24,922	1,341,800
Pacific Biosciences of California, Inc. (A)	41,886	1,086,523
Personalis, Inc. (A)	5,854	214,315
Quantarix Corp. (A)	5,018	233,337
		5,207,500
Pharmaceuticals – 1.5%		
Aerie Pharmaceuticals, Inc. (A)	9,222	124,589
Agile Therapeutics, Inc. (A)(B)	18,455	52,966
Amneal Pharmaceuticals, Inc. (A)	24,203	110,608
Amphastar Pharmaceuticals, Inc. (A)	8,469	170,312
ANI Pharmaceuticals, Inc. (A)	2,413	70,074
Aquestive Therapeutics, Inc. (A)(B)	5,642	30,185
Arvinas, Inc. (A)	8,241	699,908
Atea Pharmaceuticals, Inc. (A)	3,339	139,503
Athira Pharma, Inc. (A)	3,065	104,976
Axsome Therapeutics, Inc. (A)	6,620	539,331
BioDelivery Sciences International, Inc. (A)	23,155	97,251
Cara Therapeutics, Inc. (A)	10,281	155,552
Cassava Sciences, Inc. (A)	8,161	55,658

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Chiasma, Inc. (A)	13,404	\$ 58,307
Collegium Pharmaceutical, Inc. (A)	8,484	169,935
Corcept Therapeutics, Inc. (A)	23,174	606,232
CorMedix, Inc. (A)	8,011	59,522
Cymabay Therapeutics, Inc. (A)	17,104	98,177
Direct Corp. (A)	50,676	104,899
Elanco Animal Health, Inc. (A)(C)	15,082	0
Endo International PLC (A)	54,101	388,445
Eton Pharmaceuticals, Inc. (A)(B)	5,080	41,300
Evoform Biosciences, Inc. (A)(B)	20,392	49,145
Fulcrum Therapeutics, Inc. (A)	3,835	44,908
Graybug Vision, Inc. (A)	1,628	47,245
Harmony Biosciences Holdings, Inc. (A)	1,392	50,321
IMARA, Inc. (A)(B)	1,951	43,020
Innoviva, Inc. (A)	15,402	190,831
Intersect ENT, Inc. (A)	7,759	177,681
Intra-Cellular Therapies, Inc. (A)	15,820	503,076
Kala Pharmaceuticals, Inc. (A)(B)	10,418	70,634
Lannett Company, Inc. (A)	8,524	55,576
Marinus Pharmaceuticals, Inc. (A)(B)	6,441	78,580
NGM Biopharmaceuticals, Inc. (A)	5,876	178,013
Ocular Therapeutix, Inc. (A)	16,274	336,872
Odonate Therapeutics, Inc. (A)	3,979	76,397
Omeros Corp. (A)(B)	14,557	207,947
Optinose, Inc. (A)(B)	9,805	40,593
Pacira BioSciences, Inc. (A)	10,137	606,598
Paratek Pharmaceuticals, Inc. (A)	11,495	71,959
Phathom Pharmaceuticals, Inc. (A)	2,585	85,874
Phibro Animal Health Corp., Class A	4,911	95,372
Pliant Therapeutics, Inc. (A)(B)	2,516	57,164
Prestige Consumer Healthcare, Inc. (A)	12,033	419,591
Provention Bio, Inc. (A)(B)	11,558	195,793
Relmada Therapeutics, Inc. (A)(B)	3,684	118,146
Revance Therapeutics, Inc. (A)	15,235	431,760
SIGA Technologies, Inc. (A)	13,464	97,883
Supernus Pharmaceuticals, Inc. (A)	11,777	296,309
Tarsus Pharmaceuticals, Inc. (A)	1,557	64,351
TherapeuticsMD, Inc. (A)(B)	66,492	80,455
Theravance Biopharma, Inc. (A)	11,223	199,433
Tricida, Inc. (A)	7,689	54,207
Verrica Pharmaceuticals, Inc. (A)(B)	3,802	43,761
VYNE Therapeutics, Inc. (A)	38,535	60,885
WaVe Life Sciences, Ltd. (A)	8,403	66,132
Xeris Pharmaceuticals, Inc. (A)	11,996	59,020
Zogenix, Inc. (A)	13,338	266,627
		9,399,889
		124,299,058
Industrials – 14.8%		
Aerospace and defense – 0.9%		
AAR Corp.	8,008	290,050
Aerojet Rocketdyne Holdings, Inc. (A)	17,046	900,881
AeroVironment, Inc. (A)	5,123	445,189
Astronics Corp. (A)	5,833	77,171
Cubic Corp.	7,429	460,895
Ducommun, Inc. (A)	2,669	143,325
Kaman Corp.	6,529	373,002
Kratos Defense & Security Solutions, Inc. (A)	28,772	789,216
Maxar Technologies, Inc.	14,543	561,214
Moog, Inc., Class A	7,006	555,576
National Presto Industries, Inc.	1,211	107,089
PAE, Inc. (A)	14,005	128,566
Park Aerospace Corp.	4,820	64,636
Parsons Corp. (A)	5,298	192,900
Triumph Group, Inc.	12,152	152,629

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Aerospace and defense (continued)		
Vectrus, Inc. (A)	2,841	\$ 141,255
		5,383,594
Air freight and logistics – 0.3%		
Air Transport Services Group, Inc. (A)	14,171	444,119
Atlas Air Worldwide Holdings, Inc. (A)	6,149	335,366
Echo Global Logistics, Inc. (A)	6,462	173,311
Forward Air Corp.	6,601	507,221
Hub Group, Inc., Class A (A)	7,878	449,046
Radiant Logistics, Inc. (A)	10,955	63,539
		1,972,602
Airlines – 0.3%		
Allegiant Travel Company	3,066	580,210
Hawaiian Holdings, Inc.	10,897	192,877
Mesa Air Group, Inc. (A)	7,251	48,509
SkyWest, Inc.	11,646	469,450
Spirit Airlines, Inc. (A)	22,829	558,169
		1,849,215
Building products – 1.5%		
AAON, Inc.	9,657	643,446
Advanced Drainage Systems, Inc.	13,324	1,113,620
Alpha Pro Tech, Ltd. (A)(B)	3,215	35,847
American Woodmark Corp. (A)	4,015	376,808
Apogee Enterprises, Inc.	6,246	197,873
Builders FirstSource, Inc. (A)	27,433	1,119,541
Caesarstone, Ltd.	6,360	81,980
Cornerstone Building Brands, Inc. (A)	11,225	104,168
CSW Industrials, Inc.	3,229	361,357
Gibraltar Industries, Inc. (A)	7,737	556,600
Griffon Corp.	10,291	209,731
Insteel Industries, Inc.	4,707	104,825
JELD-WEN Holding, Inc. (A)	16,220	411,339
Masonite International Corp. (A)	5,803	570,667
PGT Innovations, Inc. (A)	13,632	277,275
Quanex Building Products Corp.	8,279	183,545
Resideo Technologies, Inc. (A)	33,535	712,954
Simpson Manufacturing Company, Inc.	10,223	955,339
UFP Industries, Inc.	14,104	783,477
		8,800,392
Commercial services and supplies – 1.9%		
ABM Industries, Inc.	15,912	602,110
ACCO Brands Corp.	22,107	186,804
Brady Corp., Class A	11,101	586,355
BrightView Holdings, Inc. (A)	9,851	148,947
Casella Waste Systems, Inc., Class A (A)	11,099	687,583
CECO Environmental Corp. (A)	8,811	61,325
Cimpress PLC (A)	4,238	371,842
Covanta Holding Corp.	28,195	370,200
Deluxe Corp.	9,967	291,036
Ennis, Inc.	6,780	121,023
Harsco Corp. (A)	18,538	333,313
Healthcare Services Group, Inc.	17,770	499,337
Heritage-Crystal Clean, Inc. (A)	4,097	86,324
Herman Miller, Inc.	13,969	472,152
HNI Corp.	10,057	346,564
Interface, Inc.	13,778	144,669
KAR Auction Services, Inc.	30,628	569,987
Kimball International, Inc., Class B	8,651	103,379
Knoll, Inc.	12,049	176,879
Mathews International Corp., Class A	7,349	216,061
McGrath RentCorp	5,774	387,435
Montrose Environmental Group, Inc. (A)	2,645	81,889
PICO Holdings, Inc. (A)	6,116	57,185
Pitney Bowes, Inc.	41,635	256,472
SP Plus Corp. (A)	5,477	157,902

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
Steelcase, Inc., Class A	20,459	\$ 277,219
Team, Inc. (A)	8,034	87,571
Tetra Tech, Inc.	12,695	1,469,827
The Brink's Company	11,700	842,400
UniFirst Corp.	3,552	751,923
US Ecology, Inc.	7,590	275,745
Viad Corp.	5,049	182,622
VSE Corp.	2,397	92,261
		11,296,341
Construction and engineering – 1.4%		
Aegion Corp. (A)	7,434	141,172
Ameresco, Inc., Class A (A)	5,824	304,246
API Group Corp. (A)(D)	33,432	606,791
Arcosa, Inc.	11,511	632,299
Argan, Inc.	3,663	162,967
Comfort Systems USA, Inc.	8,589	452,297
Construction Partners, Inc., Class A (A)	6,165	179,463
Dycom Industries, Inc. (A)	7,307	551,825
EMCOR Group, Inc.	12,786	1,169,408
Fluor Corp.	33,687	537,981
Granite Construction, Inc.	11,237	300,140
Great Lakes Dredge & Dock Corp. (A)	15,506	204,214
HC2 Holdings, Inc. (A)	14,755	48,101
IES Holdings, Inc. (A)	2,060	94,842
MasTec, Inc. (A)	13,414	914,567
MYR Group, Inc. (A)	3,897	234,210
Northwest Pipe Company (A)	2,760	78,108
NV5 Global, Inc. (A)	2,578	203,095
Primoris Services Corp.	11,531	318,371
Sterling Construction Company, Inc. (A)	7,026	130,754
Tutor Perini Corp. (A)	10,018	129,733
WillScot Mobile Mini Holdings Corp. (A)	38,165	884,283
		8,278,867
Electrical equipment – 1.7%		
Allied Motion Technologies, Inc.	1,992	101,791
American Superconductor Corp. (A)	6,462	151,340
Atkore International Group, Inc. (A)	11,235	461,871
AZZ, Inc.	6,222	295,172
Bloom Energy Corp., Class A (A)	21,140	605,872
Encore Wire Corp.	4,904	297,035
EnerSys	9,967	827,859
FuelCell Energy, Inc. (A)(B)	68,248	762,330
LSI Industries, Inc.	7,465	63,900
Orion Energy Systems, Inc. (A)	6,927	68,369
Plug Power, Inc. (A)	88,947	3,016,193
Powell Industries, Inc.	2,544	75,023
Preformed Line Products Company	748	51,193
Sunrun, Inc. (A)	35,625	2,471,663
Thermon Group Holdings, Inc. (A)	7,977	124,681
TPI Composites, Inc. (A)	7,313	385,980
Vicor Corp. (A)	4,596	423,843
		10,184,115
Industrial conglomerates – 0.0%		
Raven Industries, Inc.	8,454	279,743
Machinery – 3.6%		
Alamo Group, Inc.	2,344	323,355
Albany International Corp., Class A	7,241	531,634
Altra Industrial Motion Corp.	15,329	849,686
Astec Industries, Inc.	5,400	312,552
Barnes Group, Inc.	11,090	562,152
Blue Bird Corp. (A)	3,922	71,616
Chart Industries, Inc. (A)	8,587	1,011,463
CIRCOR International, Inc. (A)	4,937	189,778
Columbus McKinnon Corp.	5,634	216,571

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Douglas Dynamics, Inc.	5,354	\$ 228,991
Energy Recovery, Inc. (A)	9,514	129,771
Enerpac Tool Group Corp.	12,821	289,883
EnPro Industries, Inc.	4,964	374,881
ESCO Technologies, Inc.	6,033	622,726
Evoqua Water Technologies Corp. (A)	21,820	588,704
Federal Signal Corp.	14,187	470,583
Franklin Electric Company, Inc.	10,804	747,745
Graham Corp.	3,277	49,745
Helios Technologies, Inc.	7,431	395,998
Hillenbrand, Inc.	17,452	694,590
Hurco Companies, Inc.	2,011	60,330
Hyster-Yale Materials Handling, Inc.	2,397	142,741
John Bean Technologies Corp.	7,413	844,118
Kadant, Inc.	2,711	382,197
Kennametal, Inc.	19,697	713,819
LB Foster Company, Class A (A)	3,145	47,332
Lindsay Corp.	2,552	327,830
Luxfer Holdings PLC	7,307	119,981
Lydall, Inc. (A)	4,088	122,763
Meritor, Inc. (A)	16,397	457,640
Miller Industries, Inc.	2,948	112,083
Mueller Industries, Inc.	13,239	464,821
Mueller Water Products, Inc., Class A	37,175	460,227
Navistar International Corp. (A)	11,865	521,585
NN, Inc. (A)	11,188	73,505
Omega Flex, Inc.	684	99,864
Park-Ohio Holdings Corp.	2,330	71,997
Proto Labs, Inc. (A)	6,330	971,022
RBC Bearings, Inc. (A)	5,826	1,043,087
REV Group, Inc.	7,253	63,899
Rexnord Corp.	28,326	1,118,594
SPX Corp. (A)	10,240	558,490
SPX FLOW, Inc. (A)	10,122	586,671
Standex International Corp.	2,936	227,599
Tennant Company	4,318	302,994
Terex Corp.	15,948	556,426
The ExOne Company (A)	3,486	33,082
The Gorman-Rupp Company	4,100	133,045
The Greenbrier Companies, Inc.	7,742	281,654
The Manitowoc Company, Inc. (A)	8,644	115,052
The Shyft Group, Inc.	8,362	237,314
TriMas Corp. (A)	9,894	313,343
Wabash National Corp.	12,697	218,769
Watts Water Technologies, Inc., Class A	6,422	781,557
Welbilt, Inc. (A)	31,138	411,022
		21,638,877
Marine – 0.1%		
Costamare, Inc.	12,465	103,210
Matson, Inc.	10,152	578,359
Scorpio Bulkiers, Inc. (B)	2,655	44,949
SEACOR Holdings, Inc. (A)	4,622	191,582
		918,100
Professional services – 1.2%		
Acacia Research Corp. (A)	13,981	55,085
ASGN, Inc. (A)	12,061	1,007,455
Barrett Business Services, Inc.	1,954	133,282
CBIZ, Inc. (A)	12,068	321,129
CRA International, Inc.	1,973	100,485
Exponent, Inc.	12,138	1,092,784
Forrester Research, Inc. (A)	2,773	116,189
Franklin Covey Company (A)	3,371	75,072
GP Strategies Corp. (A)	3,763	44,629
Heidrick & Struggles International, Inc.	4,889	143,639
Huron Consulting Group, Inc. (A)	5,376	316,915

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
ICF International, Inc.	4,383	\$ 325,788
Insperty, Inc.	8,529	694,431
Kelly Services, Inc., Class A	8,351	171,780
Kforce, Inc.	4,684	197,150
Korn Ferry	13,003	565,631
Red Violet, Inc. (A)(B)	1,800	46,998
Resources Connection, Inc.	7,481	94,036
TriNet Group, Inc. (A)	9,741	785,125
TrueBlue, Inc. (A)	8,882	166,005
Upwork, Inc. (A)	22,077	762,098
Willdan Group, Inc. (A)	2,690	112,173
		7,327,879
Road and rail – 0.5%		
ArcBest Corp.	5,981	255,209
Avis Budget Group, Inc. (A)	12,551	468,152
Covenant Logistics Group, Inc. (A)	3,300	48,873
Daseke, Inc. (A)	11,496	66,792
Heartland Express, Inc.	11,357	205,562
Marten Transport, Ltd.	14,122	243,322
Saia, Inc. (A)	6,241	1,128,373
U.S. Xpress Enterprises, Inc., Class A (A)	6,160	42,134
Universal Logistics Holdings, Inc.	2,118	43,610
Werner Enterprises, Inc.	14,351	562,846
		3,064,873
Trading companies and distributors – 1.4%		
Alta Equipment Group, Inc. (A)(B)	5,183	51,208
Applied Industrial Technologies, Inc.	9,188	716,572
Beacon Roofing Supply, Inc. (A)	13,072	525,364
BMC Stock Holdings, Inc. (A)	15,983	857,967
CAI International, Inc.	4,063	126,928
DXP Enterprises, Inc. (A)	4,217	93,744
Foundation Building Materials, Inc. (A)	4,830	92,784
GATX Corp.	8,205	682,492
GMS, Inc. (A)	9,957	303,489
H&E Equipment Services, Inc.	7,633	227,540
Herc Holdings, Inc. (A)	5,799	385,112
Lawson Products, Inc. (A)	1,258	64,045
MRC Global, Inc. (A)	18,822	124,790
NOW, Inc. (A)	27,272	195,813
Rush Enterprises, Inc., Class A	8,958	371,040
Rush Enterprises, Inc., Class B	2,432	92,148
SiteOne Landscape Supply, Inc. (A)	10,393	1,648,642
Systemax, Inc.	3,070	110,182
Textainer Group Holdings, Ltd. (A)	11,836	227,014
Titan Machinery, Inc. (A)	4,844	94,700
Transcat, Inc. (A)	2,073	71,892
Triton International, Ltd.	14,289	693,159
Veritiv Corp. (A)	3,273	68,046
WESCO International, Inc. (A)	11,596	910,286
		8,734,957
		89,729,555
Information technology – 13.7%		
Communications equipment – 0.9%		
Acacia Communications, Inc. (A)	9,186	670,211
ADTRAN, Inc.	11,877	175,423
Applied Optoelectronics, Inc. (A)(B)	5,688	48,405
CalAmp Corp. (A)	8,736	86,661
Calix, Inc. (A)	12,539	373,161
Casa Systems, Inc. (A)	8,526	52,605
Clearfield, Inc. (A)	2,890	71,441
Comtech Telecommunications Corp.	5,769	119,361
Digi International, Inc. (A)	7,191	135,910
DZS, Inc. (A)	3,134	48,483
Extreme Networks, Inc. (A)	29,487	203,165

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Communications equipment (continued)		
Genasys, Inc. (A)	9,505	\$ 61,973
Harmonic, Inc. (A)	22,609	167,081
Infinera Corp. (A)	38,614	404,675
Inseego Corp. (A)(B)	16,673	257,931
InterDigital, Inc.	7,364	446,848
KVH Industries, Inc. (A)	5,172	58,702
NETGEAR, Inc. (A)	7,128	289,611
NetScout Systems, Inc. (A)	16,845	461,890
Plantronics, Inc.	8,257	223,187
Resonant, Inc. (A)(B)	14,393	38,141
Ribbon Communications, Inc. (A)	16,868	110,654
Viavi Solutions, Inc. (A)	54,249	812,379
		5,317,898
Electronic equipment, instruments and components – 2.2%		
Akoustis Technologies, Inc. (A)(B)	8,248	100,873
Arlo Technologies, Inc. (A)	19,533	152,162
Badger Meter, Inc.	6,897	648,732
Bel Fuse, Inc., Class B	2,581	38,792
Belden, Inc.	10,440	437,436
Benchmark Electronics, Inc.	8,682	234,501
CTS Corp.	7,511	257,853
Daktronics, Inc.	11,818	55,308
ePlus, Inc. (A)	3,179	279,593
Fabrinet (A)	8,665	672,317
FARO Technologies, Inc. (A)	4,229	298,694
Fitbit, Inc., Class A (A)	58,632	398,698
II-VI, Inc. (A)	24,226	1,840,207
Insight Enterprises, Inc. (A)	8,242	627,134
Intelligence, Inc. (A)	5,064	57,755
Iteris, Inc. (A)	11,098	62,704
Itron, Inc. (A)	9,546	915,461
Kimball Electronics, Inc. (A)	5,796	92,678
Knowles Corp. (A)	20,997	386,975
Luna Innovations, Inc. (A)	7,319	72,312
Methode Electronics, Inc.	8,666	331,734
MTS Systems Corp.	4,667	271,433
Napco Security Technologies, Inc. (A)	3,097	81,203
nLight, Inc. (A)	8,351	272,660
Novanta, Inc. (A)	8,094	956,873
OSI Systems, Inc. (A)	4,004	373,253
PAR Technology Corp. (A)(B)	4,453	279,604
PC Connection, Inc. (A)	2,459	116,286
Plexus Corp. (A)	6,764	529,012
Powerfleet, Inc. (A)	8,140	60,480
Rogers Corp. (A)	4,413	685,295
Sanmina Corp. (A)	15,117	482,081
ScanSource, Inc. (A)	6,355	167,645
TTM Technologies, Inc. (A)	23,324	321,755
Vishay Intertechnology, Inc.	31,263	647,457
Vishay Precision Group, Inc. (A)	2,994	94,251
		13,301,207
IT services – 1.9%		
Brightcove, Inc. (A)	9,885	181,884
Cardtronics PLC, Class A (A)	8,693	306,863
Cass Information Systems, Inc.	3,573	139,025
Conduent, Inc. (A)	39,700	190,560
CSG Systems International, Inc.	7,779	350,600
Endurance International Group Holdings, Inc. (A)	15,751	148,847
EVERTEC, Inc.	14,255	560,507
EVO Payments, Inc., Class A (A)	9,738	263,023
ExlService Holdings, Inc. (A)	7,857	668,866
GreenSky, Inc., Class A (A)	16,430	76,071
Grid Dynamics Holdings, Inc. (A)	6,248	78,725
i3 Verticals, Inc., Class A (A)	4,355	144,586

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
International Money Express, Inc. (A)	6,758	\$ 104,884
KBR, Inc.	33,644	1,040,609
Limelight Networks, Inc. (A)	29,625	118,204
LiveRamp Holdings, Inc. (A)	15,231	1,114,757
ManTech International Corp., Class A	6,470	575,442
MAXIMUS, Inc.	14,357	1,050,789
MoneyGram International, Inc. (A)	15,473	84,560
NIC, Inc.	15,633	403,800
Paysign, Inc. (A)	8,456	39,236
Perficient, Inc. (A)	7,711	367,429
Perspecta, Inc.	33,244	800,516
Rackspace Technology, Inc. (A)	7,938	151,298
Repay Holdings Corp. (A)	14,247	388,231
ServiceSource International, Inc. (A)	26,702	46,996
Sykes Enterprises, Inc. (A)	9,055	341,102
The Hackett Group, Inc.	6,484	93,305
TTEC Holdings, Inc.	4,317	314,839
Tucows, Inc., Class A (A)	2,315	171,055
Unisys Corp. (A)	14,629	287,899
Verra Mobility Corp. (A)	32,102	430,809
Virtusa Corp. (A)	6,894	352,490
		11,387,807
Semiconductors and semiconductor equipment – 2.8%		
Advanced Energy Industries, Inc. (A)	9,010	873,700
Alpha & Omega Semiconductor, Ltd. (A)	4,907	116,001
Ambarella, Inc. (A)	7,850	720,787
Amkor Technology, Inc.	23,482	354,109
Atomer, Inc. (A)(B)	4,520	72,727
Axcelis Technologies, Inc. (A)	8,007	233,164
AXT, Inc. (A)	9,405	90,006
Brooks Automation, Inc.	17,245	1,170,073
CEVA, Inc. (A)	5,139	233,825
CMC Materials, Inc.	6,861	1,038,069
Cohu, Inc.	9,886	377,447
CyberOptics Corp. (A)	1,949	44,223
Diodes, Inc. (A)	10,067	709,724
DSP Group, Inc. (A)	5,330	88,425
FormFactor, Inc. (A)	18,311	787,739
GSI Technology, Inc. (A)	5,236	38,746
Ichor Holdings, Ltd. (A)	5,449	164,260
Impinj, Inc. (A)	4,150	173,761
Lattice Semiconductor Corp. (A)	32,175	1,474,259
MACOM Technology Solutions Holdings, Inc. (A)	11,173	614,962
Maxeon Solar Technologies, Ltd. (A)	2,359	66,925
MaxLinear, Inc. (A)	16,323	623,375
NeoPhotonics Corp. (A)	12,489	113,525
NVE Corp.	1,351	75,899
Onto Innovation, Inc. (A)	11,306	537,600
PDF Solutions, Inc. (A)	7,165	154,764
Photronics, Inc. (A)	14,979	167,166
Power Integrations, Inc.	13,896	1,137,527
Rambus, Inc. (A)	27,041	472,136
Semtech Corp. (A)	15,250	1,099,373
Silicon Laboratories, Inc. (A)	10,224	1,301,924
SiTime Corp. (A)	2,211	247,477
SMART Global Holdings, Inc. (A)	3,523	132,570
SunPower Corp. (A)(B)	18,184	466,238
Synaptics, Inc. (A)	8,155	786,142
Ultra Clean Holdings, Inc. (A)	9,581	298,448
Veeco Instruments, Inc. (A)	11,977	207,921
		17,265,017
Software – 5.7%		
8x8, Inc. (A)	25,107	865,438
A10 Networks, Inc. (A)	15,099	148,876

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
ACI Worldwide, Inc. (A)	27,202	\$ 1,045,373
Agilysys, Inc. (A)	4,432	170,100
Alarm.com Holdings, Inc. (A)	11,288	1,167,744
Altair Engineering, Inc., Class A (A)	10,282	598,207
American Software, Inc., Class A	7,534	129,359
Appfolio, Inc., Class A (A)	3,895	701,256
Appian Corp. (A)(B)	8,461	1,371,443
Avaya Holdings Corp. (A)	19,856	380,242
Benefitfocus, Inc. (A)	7,221	104,560
Blackbaud, Inc.	11,773	677,654
Blackline, Inc. (A)	12,064	1,609,096
Bottomline Technologies DE, Inc. (A)	10,512	554,403
Box, Inc., Class A (A)	33,512	604,892
Cerence, Inc. (A)	8,743	878,497
ChannelAdvisor Corp. (A)	7,011	112,036
Cloudera, Inc. (A)	48,818	679,058
CommVault Systems, Inc. (A)	10,123	560,511
Cornerstone OnDemand, Inc. (A)	14,621	643,909
Digimarc Corp. (A)(B)	2,975	140,539
Digital Turbine, Inc. (A)	19,949	1,128,315
Domo, Inc., Class B (A)	6,172	393,588
Ebix, Inc.	6,348	241,034
eGain Corp. (A)	5,496	64,908
Envestnet, Inc. (A)	12,596	1,036,525
GTY Technology Holdings, Inc. (A)	12,934	66,998
Intelligent Systems Corp. (A)(B)	1,982	79,498
j2 Global, Inc. (A)	10,256	1,001,909
LivePerson, Inc. (A)	14,838	923,369
MicroStrategy, Inc., Class A (A)	1,745	678,020
Mimecast, Ltd. (A)	13,620	774,161
Mitek Systems, Inc. (A)	10,017	178,102
Model N, Inc. (A)	8,103	289,115
OneSpan, Inc. (A)	7,860	162,545
Ping Identity Holding Corp. (A)	8,637	247,364
Progress Software Corp.	10,691	483,126
PROS Holdings, Inc. (A)	9,427	478,609
Q2 Holdings, Inc. (A)	11,945	1,511,401
QAD, Inc., Class A	2,792	176,399
Qualys, Inc. (A)	8,084	985,197
Rapid7, Inc. (A)	12,152	1,095,624
Sailpoint Technologies Holdings, Inc. (A)	20,952	1,115,484
Sapiens International Corp. NV	6,270	191,925
ShotSpotter, Inc. (A)	2,138	80,603
Smith Micro Software, Inc. (A)	9,595	52,005
Sprout Social, Inc., Class A (A)	6,550	297,436
SPS Commerce, Inc. (A)	8,434	915,848
Sumo Logic, Inc. (A)	3,225	92,171
SVMK, Inc. (A)	29,277	748,027
Synchronoss Technologies, Inc. (A)	11,642	54,717
Telenav, Inc. (A)	9,900	46,530
Tenable Holdings, Inc. (A)	16,853	880,738
Upland Software, Inc. (A)	6,244	286,537
Varonis Systems, Inc. (A)	7,425	1,214,804
Verint Systems, Inc. (A)	15,406	1,034,975
Veritone, Inc. (A)	5,585	158,893
VirnetX Holding Corp. (B)	16,268	81,991
Workiva, Inc. (A)	9,441	864,984
Xperi Holding Corp.	24,844	519,240
Yext, Inc. (A)	24,431	384,055
Zix Corp. (A)	13,149	113,476
Zuora, Inc., Class A (A)	24,149	336,396
		34,609,835
Technology hardware, storage and peripherals – 0.2%		
3D Systems Corp. (A)(B)	28,612	299,854
Avid Technology, Inc. (A)	7,804	123,849

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Technology hardware, storage and peripherals (continued)		
Corsair Gaming, Inc. (A)	3,514	\$ 127,277
Diebold Nixdorf, Inc. (A)	16,891	180,058
Eastman Kodak Company (A)(B)	4,068	33,114
Immersion Corp. (A)	4,823	54,452
Intevac, Inc. (A)	6,384	46,029
Quantum Corp. (A)	8,211	50,251
Super Micro Computer, Inc. (A)	10,508	332,683
		1,247,567
		83,129,331
Materials – 4.2%		
Chemicals – 1.7%		
AdvanSix, Inc. (A)	6,839	136,712
American Vanguard Corp.	7,685	119,271
Amyris, Inc. (A)(B)	26,139	161,408
Avient Corp.	21,611	870,491
Balchem Corp.	7,650	881,433
Chase Corp.	1,752	176,970
Ferro Corp. (A)	19,500	285,285
FutureFuel Corp.	6,711	85,230
GCP Applied Technologies, Inc. (A)	11,690	276,469
Hawkins, Inc.	2,311	120,888
HB Fuller Company	12,161	630,913
Ingevity Corp. (A)	9,864	747,001
Innospec, Inc.	5,804	526,597
Intrepid Potash, Inc. (A)	2,601	62,814
Koppers Holdings, Inc. (A)	5,155	160,630
Kraton Corp. (A)	7,473	207,675
Kronos Worldwide, Inc.	5,333	79,515
Livent Corp. (A)	35,000	659,400
Minerals Technologies, Inc.	8,028	498,699
Orion Engineered Carbons SA	14,497	248,479
PQ Group Holdings, Inc.	9,181	130,921
Quaker Chemical Corp.	3,142	796,151
Rayonier Advanced Materials, Inc. (A)	14,971	97,611
Sensient Technologies Corp.	9,994	737,257
Stepan Company	5,019	598,867
Trecora Resources (A)	7,770	54,312
Tredegar Corp.	6,374	106,446
Trinseo SA	9,096	465,806
Tronox Holdings PLC, Class A	21,098	308,453
		10,231,704
Construction materials – 0.1%		
Forterra, Inc. (A)	6,762	116,273
Summit Materials, Inc., Class A (A)	27,347	549,128
U.S. Concrete, Inc. (A)	3,992	159,560
United States Lime & Minerals, Inc.	556	63,384
		888,345
Containers and packaging – 0.2%		
Greif, Inc., Class A	6,015	281,983
Greif, Inc., Class B	1,379	66,716
Myers Industries, Inc.	8,480	176,214
O-I Glass, Inc.	37,124	441,776
Pactiv Evergreen, Inc. (A)	8,676	157,383
Ranpak Holdings Corp. (A)	7,387	99,281
UFP Technologies, Inc. (A)	1,875	87,375
		1,310,728
Metals and mining – 1.7%		
1911 Gold Corp. (A)	5,045	2,115
Alcoa Corp. (A)	44,470	1,025,034
Allegheny Technologies, Inc. (A)	30,264	507,527
Arconic Corp. (A)	23,556	701,969
Caledonia Mining Corp. PLC	2,921	46,385
Carpenter Technology Corp.	11,421	332,580

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Century Aluminum Company (A)	11,891	\$ 131,158
Cleveland-Cliffs, Inc. (B)	93,726	1,364,651
Coeur Mining, Inc. (A)	57,837	598,613
Commercial Metals Company	27,955	574,196
Compass Minerals International, Inc.	8,048	496,723
Fortitude Gold Corp. (A)(C)	5,150	5,408
Gatos Silver, Inc. (A)	5,843	76,134
Gold Resource Corp.	18,026	52,456
Haynes International, Inc.	3,076	73,332
Hecla Mining Company	123,967	803,306
Kaiser Aluminum Corp.	3,759	371,765
Materion Corp.	4,867	310,125
Novagold Resources, Inc. (A)	56,084	542,332
Ryerson Holding Corp. (A)	3,948	53,851
Schmitzer Steel Industries, Inc., Class A	6,072	193,758
SunCoke Energy, Inc.	19,965	86,848
TimkenSteel Corp. (A)	12,398	57,899
United States Steel Corp. (B)	52,218	875,696
Warrior Met Coal, Inc.	12,208	260,275
Worthington Industries, Inc.	8,569	439,932
		9,984,068
Paper and forest products – 0.5%		
Boise Cascade Company	9,308	444,922
Clearwater Paper Corp. (A)	3,901	147,263
Domtar Corp.	12,992	411,197
Glatfelter Corp.	10,598	173,595
Louisiana-Pacific Corp.	25,965	965,119
Neenah, Inc.	4,074	225,374
Schweitzer-Mauduit International, Inc.	7,373	296,468
Verso Corp., Class A	7,660	92,073
		2,756,011
		25,170,856
Real estate – 6.0%		
Equity real estate investment trusts – 5.2%		
Acadia Realty Trust	20,536	291,406
Agree Realty Corp.	12,705	845,899
Alexander & Baldwin, Inc.	17,616	302,643
Alexander's, Inc.	525	145,609
American Assets Trust, Inc.	12,117	349,939
American Finance Trust, Inc.	26,208	194,725
Armada Hoffler Properties, Inc.	14,492	162,600
Bluerock Residential Growth REIT, Inc.	6,727	85,231
Broadstone Net Lease, Inc., Class A	7,543	147,692
BRT Apartments Corp.	3,468	52,714
CareTrust REIT, Inc.	22,872	507,301
CatchMark Timber Trust, Inc., Class A	12,727	119,125
Centerspace	3,019	213,262
Chatham Lodging Trust	11,239	121,381
CIM Commercial Trust Corp.	3,506	49,925
City Office REIT, Inc.	10,398	101,588
Colony Capital, Inc.	115,152	553,881
Columbia Property Trust, Inc.	27,545	394,995
Community Healthcare Trust, Inc.	5,074	239,036
CoreCivic, Inc.	28,585	187,232
CorePoint Lodging, Inc.	10,182	70,052
DiamondRock Hospitality Company (A)	47,862	394,862
Diversified Healthcare Trust	57,351	236,286
Easterly Government Properties, Inc.	19,224	435,424
EastGroup Properties, Inc.	9,167	1,265,596
Essential Properties Realty Trust, Inc.	23,869	506,023
Farmland Partners, Inc. (B)	8,080	70,296
Four Corners Property Trust, Inc.	16,966	505,078
Franklin Street Properties Corp.	26,175	114,385
Front Yard Residential Corp.	12,120	196,344

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Getty Realty Corp.	7,908	\$ 217,786
Gladstone Commercial Corp.	8,468	152,424
Gladstone Land Corp.	5,656	82,804
Global Medical REIT, Inc.	10,563	137,953
Global Net Lease, Inc.	21,479	368,150
Healthcare Realty Trust, Inc.	31,747	939,711
Hersha Hospitality Trust	9,036	71,294
Independence Realty Trust, Inc.	22,506	302,256
Industrial Logistics Properties Trust	15,440	359,598
Innovative Industrial Properties, Inc. (B)	5,107	935,245
iStar, Inc.	17,245	256,088
Kite Realty Group Trust	19,752	295,490
Lexington Realty Trust	64,275	682,601
LTC Properties, Inc.	9,185	357,388
Mack-Cali Realty Corp.	21,015	261,847
Monmouth Real Estate Investment Corp.	22,582	391,120
National Health Investors, Inc.	10,051	695,228
National Storage Affiliates Trust	14,898	536,775
NETSTREIT Corp.	2,927	57,047
New Senior Investment Group, Inc.	19,865	102,901
NexPoint Residential Trust, Inc.	5,330	225,512
Office Properties Income Trust	11,516	261,644
One Liberty Properties, Inc.	4,125	82,789
Pebblebrook Hotel Trust	31,151	585,639
Physicians Realty Trust	49,046	873,019
Piedmont Office Realty Trust, Inc., Class A	29,829	484,125
Plymouth Industrial REIT, Inc.	6,169	92,535
PotlatchDeltic Corp.	15,578	779,212
Preferred Apartment Communities, Inc., Class A	12,452	92,145
PS Business Parks, Inc.	4,646	617,314
QTS Realty Trust, Inc., Class A	14,682	908,522
Retail Opportunity Investments Corp.	27,834	372,697
Retail Properties of America, Inc., Class A	51,356	439,607
Retail Value, Inc.	4,711	70,053
RLJ Lodging Trust	39,449	558,203
RPT Realty	20,272	175,353
Ryman Hospitality Properties, Inc.	12,046	816,237
Sabra Health Care REIT, Inc.	48,746	846,718
Safehold, Inc.	4,086	296,194
Saul Centers, Inc.	2,853	90,383
Seritage Growth Properties, Class A (A)(B)	7,997	117,396
Service Properties Trust	39,403	452,740
SITE Centers Corp.	36,420	368,570
STAG Industrial, Inc.	35,360	1,107,475
Summit Hotel Properties, Inc.	24,729	222,808
Sunstone Hotel Investors, Inc.	51,372	582,045
Tanger Factory Outlet Centers, Inc. (B)	21,936	218,483
Terreno Realty Corp.	15,667	916,676
The GEO Group, Inc.	27,711	245,519
The Macerich Company (B)	35,658	380,471
UMH Properties, Inc.	9,262	137,170
Uniti Group, Inc.	46,298	543,076
Universal Health Realty Income Trust	3,123	200,715
Urban Edge Properties	27,762	359,240
Urstadt Biddle Properties, Inc., Class A	7,294	103,064
Washington Real Estate Investment Trust	19,754	427,279
Whitestone REIT	10,669	85,032
Xenia Hotels & Resorts, Inc.	27,304	415,021
		31,614,917
Real estate management and development – 0.8%		
CTO Realty Growth, Inc.	1,681	70,871
Cushman & Wakefield PLC (A)	26,403	391,556
eXp World Holdings, Inc. (A)	5,882	371,272

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
Fathom Holdings, Inc. (A)	1,216	\$ 43,825
Forestar Group, Inc. (A)	3,856	77,814
FRP Holdings, Inc. (A)	1,908	86,909
Griffin Industrial Realty, Inc. (A)	772	48,250
Kennedy-Wilson Holdings, Inc.	28,752	514,373
Marcus & Millichap, Inc. (A)	5,530	205,882
Newmark Group, Inc., Class A	34,914	254,523
Rafael Holdings, Inc., Class B (A)	2,393	55,805
RE/MAX Holdings, Inc., Class A	4,239	154,003
Realogy Holdings Corp. (A)	27,166	356,418
Redfin Corp. (A)	23,555	1,616,580
Tejon Ranch Company (A)	5,884	85,024
The RMR Group, Inc., Class A	3,738	144,362
The St. Joe Company	7,859	333,615
		4,811,082
		36,425,999
Utilities – 2.9%		
Electric utilities – 0.6%		
ALLETE, Inc.	12,246	758,517
MGE Energy, Inc.	8,768	614,023
Otter Tail Corp.	9,770	416,300
PNM Resources, Inc.	18,739	909,404
Portland General Electric Company	21,149	904,543
		3,602,787
Gas utilities – 0.9%		
Brookfield Infrastructure Corp., Class A	7,452	538,780
Chesapeake Utilities Corp.	3,866	418,340
New Jersey Resources Corp.	22,548	801,581
Northwest Natural Holding Company	7,334	337,291
ONE Gas, Inc.	12,267	941,738
RGC Resources, Inc.	2,445	58,142
South Jersey Industries, Inc.	24,038	518,019
Southwest Gas Holdings, Inc.	13,079	794,549
Spire, Inc.	11,767	753,559
		5,161,999
Independent power and renewable electricity producers – 0.6%		
Atlantic Power Corp. (A)	28,928	60,749
Brookfield Renewable Corp., Class A	24,200	1,410,134
Clearway Energy, Inc., Class A	8,549	252,623
Clearway Energy, Inc., Class C	19,341	617,558
Ormat Technologies, Inc.	9,388	847,549
Sunnova Energy International, Inc. (A)	12,640	570,443
		3,759,056
Multi-utilities – 0.4%		
Avista Corp.	16,253	652,395
Black Hills Corp.	14,787	908,661
NorthWestern Corp.	11,949	696,746
Unitil Corp.	3,616	160,080
		2,417,882

Small Cap Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Water utilities – 0.4%		
American States Water Company	8,708	\$ 692,373
Artesian Resources Corp., Class A	2,406	89,214
Cadiz, Inc. (A)(B)	6,103	64,997
California Water Service Group	11,796	637,338
Consolidated Water Company, Ltd.	5,108	61,551
Global Water Resources, Inc.	4,065	58,577
Middlesex Water Company	4,026	291,764
Pure Cycle Corp. (A)	6,335	71,142
SJW Group	6,343	439,950
The York Water Company	3,314	154,432
		2,561,338
		17,503,062
TOTAL COMMON STOCKS (Cost \$412,437,471)		\$ 588,552,790
RIGHTS – 0.0%		
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(B)(E)	88,114	72,694
TOTAL RIGHTS (Cost \$26,845)		\$ 72,694
SHORT-TERM INVESTMENTS – 4.6%		
Short-term funds – 1.6%		
John Hancock Collateral Trust, 0.1386% (F)(G)	984,784	9,853,849
Repurchase agreement – 3.0%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$18,172,000 on 1-4-21, collateralized by \$18,557,100 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$18,535,518)	\$ 18,172,000	18,172,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$28,027,179)		\$ 28,025,849
Total Investments (Small Cap Index Trust) (Cost \$440,491,495) – 101.7%		\$ 616,651,333
Other assets and liabilities, net – (1.7%)		(10,459,760)
TOTAL NET ASSETS – 100.0%		\$ 606,191,573

Security Abbreviations and Legend

(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(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 12-31-20.
(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.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	205	Long	Mar 2021	\$19,737,926	\$20,241,700	\$503,774
						\$503,774

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

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Index Trust (continued)

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

Small Cap Opportunities Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.5%		
Communication services – 2.5%		
Diversified telecommunication services – 0.6%		
ATN International, Inc.	1,524	\$ 63,642
CenturyLink, Inc.	45,663	445,214
Cincinnati Bell, Inc. (A)	1,172	17,908
Consolidated Communications Holdings, Inc. (A)	4,985	24,377
Iridium Communications, Inc. (A)	3,824	150,379
Liberty Latin America, Ltd., Class A (A)	2,622	29,183
Liberty Latin America, Ltd., Class C (A)	8,946	99,211
		829,914
Entertainment – 0.1%		
Ballantyne Strong, Inc. (A)	1,114	2,243
Liberty Media Corp.-Liberty Braves, Class A (A)	512	12,733
Liberty Media Corp.-Liberty Braves, Class C (A)	1,200	29,856
Lions Gate Entertainment Corp., Class A (A)(B)	5,418	61,603
Lions Gate Entertainment Corp., Class B (A)	6,529	67,771
Madison Square Garden Entertainment Corp. (A)	136	14,285
Reading International, Inc., Class A (A)	1,100	5,522
The Marcus Corp.	2,916	39,308
		233,321
Interactive media and services – 0.1%		
Cars.com, Inc. (A)	6,379	72,083
DHI Group, Inc. (A)	5,212	11,571
Yelp, Inc. (A)	1,135	37,080
		120,734
Media – 1.5%		
A.H. Belo Corp., Class A	4,238	6,399
AMC Networks, Inc., Class A (A)(B)	1,328	47,503
Beasley Broadcast Group, Inc., Class A	502	748
Boston Omaha Corp., Class A (A)	600	16,590
Entercom Communications Corp., Class A	1,442	3,562
Entravision Communications Corp., Class A	5,075	13,956
Gannett Company, Inc. (A)	7,195	24,175
Gray Television, Inc. (A)	7,792	139,399
Hemisphere Media Group, Inc. (A)	951	9,852
John Wiley & Sons, Inc., Class A	2,305	105,246
Liberty Broadband Corp., Series C (A)	2,500	395,925
Meredith Corp.	3,097	59,462
News Corp., Class A	8,993	161,604
News Corp., Class B	6,326	112,413
Nexstar Media Group, Inc., Class A	2,212	241,528
Scholastic Corp.	2,233	55,825
TEGNA, Inc.	8,626	120,333
The EW Scripps Company, Class A	5,843	89,339
The Interpublic Group of Companies, Inc.	20,071	472,070
		2,075,929
Wireless telecommunication services – 0.2%		
Spok Holdings, Inc.	3,863	42,995
Telephone & Data Systems, Inc.	8,489	157,641
United States Cellular Corp. (A)	3,059	93,881
		294,517
		3,554,415
Consumer discretionary – 13.8%		

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Auto components – 2.1%		
Adient PLC (A)	4,046	\$ 140,679
American Axle & Manufacturing Holdings, Inc. (A)	6,125	51,083
BorgWarner, Inc.	10,814	417,853
Cooper Tire & Rubber Company	4,326	175,203
Cooper-Standard Holdings, Inc. (A)	1,311	45,452
Dana, Inc.	6,999	136,620
Dorman Products, Inc. (A)	3,561	309,166
Fox Factory Holding Corp. (A)	8,221	869,042
Gentherm, Inc. (A)	420	27,392
Horizon Global Corp. (A)	878	7,542
Lear Corp.	2,130	338,734
Modine Manufacturing Company (A)	5,862	73,627
Motorcar Parts of America, Inc. (A)	1,585	31,098
Patrick Industries, Inc.	200	13,670
Standard Motor Products, Inc.	2,263	91,561
Stoneridge, Inc. (A)	1,672	50,545
Strattec Security Corp.	924	45,609
The Goodyear Tire & Rubber Company	17,127	186,856
		3,011,732
Automobiles – 0.3%		
Harley-Davidson, Inc.	5,728	210,218
Thor Industries, Inc.	901	83,784
Winnebago Industries, Inc.	1,336	80,080
		374,082
Distributors – 0.0%		
Core-Mark Holding Company, Inc.	1,227	36,037
Weyco Group, Inc.	1,316	20,845
		56,882
Diversified consumer services – 1.0%		
Adtalem Global Education, Inc. (A)	4,502	152,843
American Public Education, Inc. (A)	1,450	44,196
Carriage Services, Inc.	1,797	56,282
Graham Holdings Company, Class B	347	185,083
Grand Canyon Education, Inc. (A)	7,630	710,420
Houghton Mifflin Harcourt Company (A)	5,833	19,424
Laureate Education, Inc., Class A (A)	2,412	35,119
Lincoln Educational Services Corp. (A)	1,100	7,150
OneSpaWorld Holdings, Ltd.	2,242	22,734
Perdoceo Education Corp. (A)	3,146	39,734
Stride, Inc. (A)	3,438	72,989
Universal Technical Institute, Inc. (A)	3,087	19,942
Zovio, Inc. (A)	3,463	16,415
		1,382,331
Hotels, restaurants and leisure – 1.4%		
Aramark	4,804	184,858
Ark Restaurants Corp.	64	1,241
Biglari Holdings, Inc., Class A (A)	3	1,755
Biglari Holdings, Inc., Class B (A)	102	11,342
BJ's Restaurants, Inc. (A)	585	22,517
Bluegreen Vacations Holding Corp.	348	4,708
Boyd Gaming Corp. (A)	493	21,160
Carrolls Restaurant Group, Inc. (A)	1,688	10,601
Churchill Downs, Inc.	3,066	597,226
Chuy's Holdings, Inc. (A)	18,241	483,204
Del Taco Restaurants, Inc. (A)	2,438	22,088
Dover Motorsports, Inc.	400	908
El Pollo Loco Holdings, Inc. (A)	2,613	47,295
Extended Stay America, Inc.	6,744	99,879
Fiesta Restaurant Group, Inc. (A)	1,348	15,367
International Game Technology PLC	6,958	117,869

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Marriott Vacations Worldwide Corp.	2,056	\$ 282,124
Monarch Casino & Resort, Inc. (A)	1,278	78,239
Playa Hotels & Resorts NV (A)	2,743	16,321
Potbelly Corp. (A)	2,073	9,121
Red Lion Hotels Corp. (A)	3,000	10,380
Red Robin Gourmet Burgers, Inc. (A)	731	14,057
		2,052,260
Household durables – 2.7%		
Bassett Furniture Industries, Inc.	2,333	46,847
Beazer Homes USA, Inc. (A)	700	10,605
Cavco Industries, Inc. (A)	606	106,323
Century Communities, Inc. (A)	1,640	71,799
Ethan Allen Interiors, Inc.	1,706	34,478
Flexsteel Industries, Inc.	1,750	61,198
Hooker Furniture Corp.	2,121	68,402
iRobot Corp. (A)	884	70,976
KB Home	6,043	202,561
La-Z-Boy, Inc.	3,617	144,101
LGI Homes, Inc. (A)	1,268	134,218
Lifetime Brands, Inc.	2,931	44,551
M/I Homes, Inc. (A)	2,195	97,217
MDC Holdings, Inc.	4,474	217,436
Meritage Homes Corp. (A)	3,432	284,238
Mohawk Industries, Inc. (A)	3,916	551,960
Taylor Morrison Home Corp. (A)	7,422	190,374
The New Home Company, Inc. (A)	831	3,897
Toll Brothers, Inc.	10,667	463,694
TopBuild Corp. (A)	3,258	599,733
TRI Pointe Group, Inc. (A)	11,625	200,531
Universal Electronics, Inc. (A)	521	27,332
VOXX International Corp. (A)	3,131	39,952
Whirlpool Corp.	685	123,636
		3,796,059
Internet and direct marketing retail – 0.2%		
Lands' End, Inc. (A)	700	15,099
Liquidity Services, Inc. (A)	1,691	26,904
Qurate Retail, Inc., Series A	20,519	225,093
		267,096
Leisure products – 0.3%		
Acushnet Holdings Corp.	3,045	123,444
American Outdoor Brands, Inc. (A)	214	3,644
Escalade, Inc.	3,529	74,709
Johnson Outdoors, Inc., Class A	766	86,275
Nautilus, Inc. (A)	1,580	28,661
Smith & Wesson Brands, Inc.	859	15,247
Vista Outdoor, Inc. (A)	3,475	82,566
		414,546
Multiline retail – 0.9%		
Big Lots, Inc.	1,719	73,797
Dillard's, Inc., Class A (B)	2,339	147,474
Kohl's Corp.	9,676	393,716
Macy's, Inc. (B)	15,246	171,518
Ollie's Bargain Outlet Holdings, Inc. (A)	5,240	428,475
		1,214,980
Specialty retail – 3.9%		
Abercrombie & Fitch Company, Class A	5,916	120,450
Advance Auto Parts, Inc.	679	106,949
American Eagle Outfitters, Inc.	7,348	147,474
America's Car-Mart, Inc. (A)	596	65,465
Asbury Automotive Group, Inc. (A)	767	111,783
At Home Group, Inc. (A)	448	6,926
AutoNation, Inc. (A)	6,612	461,451
Barnes & Noble Education, Inc. (A)	6,174	28,709

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Bed Bath & Beyond, Inc. (B)	9,468	\$ 168,152
Big 5 Sporting Goods Corp. (B)	2,004	20,461
Boot Barn Holdings, Inc. (A)	2,280	98,861
Build-A-Bear Workshop, Inc. (A)	2,470	10,547
Caleres, Inc.	3,908	61,160
Citi Trends, Inc.	1,533	76,159
Conn's, Inc. (A)	76	888
Designer Brands, Inc., Class A	5,177	39,604
Dick's Sporting Goods, Inc.	4,295	241,422
Five Below, Inc. (A)	3,644	637,627
Foot Locker, Inc.	5,430	219,589
GameStop Corp., Class A (A)(B)	10,093	190,152
Genesco, Inc. (A)	1,511	45,466
Group 1 Automotive, Inc.	1,693	222,020
Guess?, Inc.	6,368	144,044
Haverty Furniture Companies, Inc.	1,920	53,126
Hibbett Sports, Inc. (A)	1,307	60,357
Lithia Motors, Inc., Class A	3,411	998,297
MarineMax, Inc. (A)	2,016	70,620
Monro, Inc.	1,345	71,689
Penske Automotive Group, Inc.	5,153	306,037
Rent-A-Center, Inc.	1,084	41,506
Shoe Carnival, Inc. (B)	1,352	52,971
Signet Jewelers, Ltd.	4,374	119,279
Sonic Automotive, Inc., Class A	1,811	69,850
The Aaron's Company, Inc. (A)	1,356	25,710
The Buckle, Inc.	2,056	60,035
The Cato Corp., Class A	1,957	18,768
The ODP Corp.	3,355	98,302
Tilly's, Inc., Class A	712	5,810
Urban Outfitters, Inc. (A)	4,660	119,296
Zumiez, Inc. (A)	2,122	78,047
		5,475,059
Textiles, apparel and luxury goods – 1.0%		
Capri Holdings, Ltd. (A)	4,479	188,118
Culp, Inc.	334	5,301
Delta Apparel, Inc. (A)	500	10,035
Fossil Group, Inc. (A)	1,707	14,800
G-III Apparel Group, Ltd. (A)	3,397	80,645
Lakeland Industries, Inc. (A)	1,110	30,248
Movado Group, Inc. (A)	1,758	29,218
Oxford Industries, Inc.	4,461	292,240
PVH Corp.	3,178	298,382
Ralph Lauren Corp.	1,512	156,855
Rocky Brands, Inc.	1,478	41,487
Steven Madden, Ltd.	1,687	59,585
Superior Group of Companies, Inc.	663	15,408
Tapestry, Inc.	3,889	120,870
Unifi, Inc. (A)	2,453	43,516
Vera Bradley, Inc. (A)	2,034	16,191
		1,402,899
		19,447,926
Consumer staples – 3.9%		
Beverages – 0.3%		
MGP Ingredients, Inc.	571	26,871
Molson Coors Beverage Company, Class B	7,874	355,826
		382,697
Food and staples retailing – 1.3%		
Ingles Markets, Inc., Class A	1,895	80,841
Natural Grocers by Vitamin Cottage, Inc.	1,014	13,932
Performance Food Group Company (A)	12,525	596,315
PriceSmart, Inc.	4,342	395,513
Rite Aid Corp. (A)	1,483	23,476
SpartanNash Company	4,194	73,018

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food and staples retailing (continued)		
The Andersons, Inc.	3,784	\$ 92,746
The Chefs' Warehouse, Inc. (A)	1,493	38,355
United Natural Foods, Inc. (A)(B)	3,818	60,973
US Foods Holding Corp. (A)	10,710	356,750
Village Super Market, Inc., Class A	685	15,111
Weis Markets, Inc.	2,671	127,701
		<hr/> 1,874,731
Food products – 1.8%		
Alico, Inc.	341	10,578
B&G Foods, Inc. (B)	1,941	53,824
Bunge, Ltd.	4,879	319,965
Cal-Maine Foods, Inc. (A)	831	31,196
Darling Ingredients, Inc. (A)	11,669	673,068
Farmer Brothers Company (A)	1,069	4,992
Flowers Foods, Inc.	510	11,541
Fresh Del Monte Produce, Inc.	3,135	75,459
Hostess Brands, Inc. (A)	3,408	49,893
Ingredion, Inc.	3,024	237,898
J&J Snack Foods Corp.	210	32,628
Landec Corp. (A)	3,130	33,961
Limoneira Company	199	3,313
Pilgrim's Pride Corp. (A)	4,917	96,422
Post Holdings, Inc. (A)	4,147	418,888
Sanderson Farms, Inc.	1,287	170,141
Seaboard Corp.	52	157,612
Seneca Foods Corp., Class A (A)	1,409	56,219
The Simply Good Foods Company (A)	2,032	63,724
TreeHouse Foods, Inc. (A)	1,084	46,059
		<hr/> 2,547,381
Household products – 0.2%		
Central Garden & Pet Company (A)	1,553	59,961
Central Garden & Pet Company, Class A (A)	3,288	119,453
Oil-Dri Corp. of America	531	18,096
Spectrum Brands Holdings, Inc.	1,296	102,358
		<hr/> 299,868
Personal products – 0.2%		
Coty, Inc., Class A	15,614	109,610
Edgewell Personal Care Company	1,909	66,013
Mannatech, Inc.	276	5,134
Natural Alternatives International, Inc. (A)	200	2,084
Nu Skin Enterprises, Inc., Class A	2,536	138,542
		<hr/> 321,383
Tobacco – 0.1%		
Universal Corp.	2,175	105,727
		<hr/> 5,531,787
Energy – 4.4%		
Energy equipment and services – 0.8%		
Archrock, Inc.	9,027	78,174
Bristow Group, Inc. (A)	625	16,450
ChampionX Corp. (A)	6,585	100,751
Dawson Geophysical Company (A)	3,948	8,370
DMC Global, Inc.	381	16,478
Dril-Quip, Inc. (A)	2,786	82,521
Exterran Corp. (A)	4,737	20,938
Frank's International NV (A)	3,231	8,853
Geospace Technologies Corp. (A)	516	4,417
Gulf Island Fabrication, Inc. (A)	3,019	9,238
Helix Energy Solutions Group, Inc. (A)	14,129	59,342
Helmerich & Payne, Inc.	5,043	116,796
KLX Energy Services Holdings, Inc. (A)	373	2,410
Liberty Oilfield Services, Inc., Class A	2,721	28,054
Matrix Service Company (A)	2,731	30,096

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
Nabors Industries, Ltd.	597	\$ 34,763
National Oilwell Varco, Inc.	5,103	70,064
Natural Gas Services Group, Inc. (A)	2,620	24,838
Newpark Resources, Inc. (A)	6,750	12,960
NexTier Oilfield Solutions, Inc. (A)	8,103	27,874
Oceaneering International, Inc. (A)	8,109	64,467
Oil States International, Inc. (A)	4,041	20,286
Patterson-UTI Energy, Inc.	14,112	74,229
ProPetro Holding Corp. (A)	2,374	17,544
RPC, Inc. (A)	2,090	6,584
SEACOR Marine Holdings, Inc. (A)	2,432	6,591
Select Energy Services, Inc., Class A (A)	2,493	10,221
TechnipFMC PLC	18,865	177,331
Tidewater, Inc. (A)	391	3,378
Transocean, Ltd. (A)(B)	13,252	30,612
U.S. Silica Holdings, Inc.	4,282	30,060
		<hr/> 1,194,690
Oil, gas and consumable fuels – 3.6%		
Adams Resources & Energy, Inc.	724	17,448
Antero Midstream Corp.	10,057	77,539
Antero Resources Corp. (A)	20,791	113,311
Apache Corp.	368	5,222
Arch Resources, Inc.	1,502	65,743
Ardmore Shipping Corp.	1,174	3,839
Berry Corp.	1,497	5,509
Bonanza Creek Energy, Inc. (A)	1,183	22,867
Cabot Oil & Gas Corp.	7,609	123,875
Callon Petroleum Company (A)(B)	1,492	19,635
Centennial Resource Development, Inc., Class A (A)	11,699	17,549
Cimarex Energy Company	1,649	61,854
Clean Energy Fuels Corp. (A)	11,526	90,594
CNX Resources Corp. (A)	18,164	196,171
Concho Resources, Inc.	7,958	464,349
CONSOL Energy, Inc. (A)	2,270	16,367
Continental Resources, Inc.	10,297	167,841
CVR Energy, Inc.	1,951	29,070
Delek US Holdings, Inc.	6,080	97,706
Devon Energy Corp.	18,790	297,070
DHT Holdings, Inc.	10,864	56,819
Diamondback Energy, Inc.	3,498	169,303
Dorian LPG, Ltd. (A)	2,153	26,245
EnLink Midstream LLC (A)	15,746	58,418
EQT Corp.	14,983	190,434
Equitrans Midstream Corp.	14,382	115,631
GasLog, Ltd. (B)	2,719	10,115
Green Plains, Inc. (A)	5,268	69,380
HollyFrontier Corp.	8,137	210,341
International Seaways, Inc.	1,434	23,417
Kosmos Energy, Ltd.	13,783	32,390
Laredo Petroleum, Inc. (A)	56	1,103
Marathon Oil Corp.	30,110	200,834
Matador Resources Company (A)	5,416	65,317
Murphy Oil Corp.	12,648	153,041
NACCO Industries, Inc., Class A	700	18,410
Nordic American Tankers, Ltd. (B)	2,259	6,664
Overseas Shipholding Group, Inc., Class A (A)	861	1,843
Par Pacific Holdings, Inc. (A)	1,158	16,189
Parsley Energy, Inc., Class A	22,061	313,266
PBF Energy, Inc., Class A	9,324	66,200
PDC Energy, Inc. (A)	7,428	152,497
Peabody Energy Corp. (A)	6,070	14,629
Penn Virginia Corp. (A)	651	6,608
PHX Minerals, Inc.	557	1,281

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
QEP Resources, Inc.	13,169	\$ 31,474
Range Resources Corp. (A)	13,645	91,422
Renewable Energy Group, Inc. (A)	4,097	290,150
REX American Resources Corp. (A)	268	19,690
SandRidge Energy, Inc. (A)	1,746	5,413
Scorpio Tankers, Inc. (B)	2,441	27,315
SFL Corp., Ltd.	4,240	26,627
SilverBow Resources, Inc. (A)	324	1,720
SM Energy Company	6,189	37,877
Southwestern Energy Company (A)	42,945	127,976
Talos Energy, Inc. (A)	2,469	20,345
Targa Resources Corp.	4,673	123,274
Teekay Corp. (A)	286	615
Teekay Tankers, Ltd., Class A (A)	1,159	12,761
World Fuel Services Corp.	3,769	117,442
WPX Energy, Inc. (A)	25,019	203,905
		5,011,940
		6,206,630
Financials – 19.4%		
Banks – 10.4%		
1st Source Corp.	2,392	96,398
Allegiance Bancshares, Inc.	308	10,512
Altabancorp	518	14,463
American National Bankshares, Inc.	991	25,974
American River Bankshares	2,249	29,574
Ameris Bancorp	14,831	564,616
Arrow Financial Corp.	440	13,160
Associated Banc-Corp.	14,499	247,208
Atlantic Capital Bancshares, Inc. (A)	667	10,619
Atlantic Union Bankshares Corp.	13,155	433,326
Banc of California, Inc.	3,461	50,911
BancFirst Corp.	230	13,501
BancorpSouth Bank	3,862	105,973
Bank of Commerce Holdings	2,506	24,809
Bank of Marin Bancorp	542	18,612
Bank OZK	5,996	187,495
BankFinancial Corp.	2,146	18,842
BankUnited, Inc.	2,793	97,141
Banner Corp.	3,129	145,780
Bar Harbor Bankshares	1,690	38,177
BCB Bancorp, Inc.	1,477	16,350
Berkshire Hills Bancorp, Inc.	3,974	68,035
BOK Financial Corp.	1,863	127,578
Boston Private Financial Holdings, Inc.	7,971	67,355
Bridge Bancorp, Inc.	1,057	25,558
Brookline Bancorp, Inc.	7,510	90,420
Bryn Mawr Bank Corp.	1,969	60,242
Byline Bancorp, Inc.	683	10,552
C&F Financial Corp.	627	23,268
Cadence Bancorp	4,741	77,847
California First National Bancorp	1,653	25,045
Camden National Corp.	1,722	61,613
Capital City Bank Group, Inc.	1,865	45,842
Central Pacific Financial Corp.	2,960	56,270
Century Bancorp, Inc., Class A	497	38,448
Chemung Financial Corp.	723	24,546
CIT Group, Inc.	4,212	151,211
City Holding Company	400	27,820
Civista Bancshares, Inc.	514	9,010
CNB Financial Corp.	1,562	33,255
Columbia Banking System, Inc.	3,819	137,102
Comerica, Inc.	4,777	266,843
Community Trust Bancorp, Inc.	1,588	58,835
ConnectOne Bancorp, Inc.	1,273	25,193
CrossFirst Bankshares, Inc. (A)	1,024	11,008

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Customers Bancorp, Inc. (A)	2,391	\$ 43,468
CVB Financial Corp.	3,279	63,941
Dime Community Bancshares, Inc.	3,601	56,788
Eagle Bancorp, Inc.	1,535	63,396
East West Bancorp, Inc.	461	23,377
Enterprise Bancorp, Inc.	246	6,285
Enterprise Financial Services Corp.	1,453	50,782
Equity Bancshares, Inc., Class A (A)	697	15,048
FB Financial Corp.	610	21,185
Financial Institutions, Inc.	1,481	33,323
First Bancorp (North Carolina)	3,205	108,425
First Bancorp (Puerto Rico)	17,832	164,411
First Busey Corp.	1,350	29,093
First Business Financial Services, Inc.	1,366	25,148
First Commonwealth Financial Corp.	9,089	99,434
First Community Bankshares, Inc.	2,201	47,498
First Financial Bancorp	8,716	152,791
First Financial Corp.	1,432	55,633
First Financial Northwest, Inc.	1,100	12,540
First Foundation, Inc.	1,677	33,540
First Hawaiian, Inc.	1,461	34,450
First Horizon Corp.	30,320	386,883
First Internet Bancorp	377	10,835
First Interstate BancSystem, Inc., Class A	1,946	79,338
First Merchants Corp.	4,769	178,408
First Mid Bancshares, Inc.	349	11,747
First Midwest Bancorp, Inc.	7,500	119,400
First Northwest Bancorp	800	12,480
Flushing Financial Corp.	3,421	56,925
FNB Corp.	18,182	172,729
Fulton Financial Corp.	13,097	166,594
German American Bancorp, Inc.	302	9,993
Great Southern Bancorp, Inc.	1,329	64,988
Great Western Bancorp, Inc.	3,593	75,094
Hancock Whitney Corp.	7,556	257,055
Hanmi Financial Corp.	3,082	34,950
HarborOne Bancorp, Inc.	3,617	39,281
Heartland Financial USA, Inc.	2,428	98,018
Heritage Commerce Corp.	2,225	19,736
Heritage Financial Corp.	1,481	34,641
Hilltop Holdings, Inc.	6,466	177,880
Home BancShares, Inc.	1,178	22,947
HomeTrust Bancshares, Inc.	560	10,814
Hope Bancorp, Inc.	11,326	123,567
Horizon Bancorp, Inc.	3,249	51,529
Independent Bank Corp. (Massachusetts)	885	64,640
Independent Bank Corp. (Michigan)	206	3,805
Independent Bank Group, Inc.	1,479	92,467
International Bancshares Corp.	5,571	208,578
Investors Bancorp, Inc.	22,228	234,728
Lakeland Bancorp, Inc.	4,261	54,115
Macatawa Bank Corp.	5,091	42,612
Mercantile Bank Corp.	1,266	34,397
Midland States Bancorp, Inc.	670	11,973
MidWestOne Financial Group, Inc.	1,343	32,904
National Bank Holdings Corp., Class A	1,336	43,767
NBT Bancorp, Inc.	3,264	104,774
Nicolet Bankshares, Inc. (A)	565	37,488
Northrim BanCorp, Inc.	1,530	51,944
Norwood Financial Corp.	1,188	31,090
OceanFirst Financial Corp.	1,393	25,952
OFG Bancorp	4,824	89,437
Old National Bancorp	12,650	209,484
Old Second Bancorp, Inc.	2,721	27,482
Origin Bancorp, Inc.	515	14,302

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Pacific Mercantile Bancorp (A)	762	\$ 3,917
Pacific Premier Bancorp, Inc.	3,858	120,871
PacWest Bancorp	9,138	232,105
Peapack-Gladstone Financial Corp.	1,625	36,985
Penns Woods Bancorp, Inc.	1,188	30,900
Peoples Bancorp, Inc.	2,153	58,325
People's United Financial, Inc.	24,691	319,255
Pinnacle Financial Partners, Inc.	11,038	710,847
Popular, Inc.	6,493	365,686
Preferred Bank	589	29,727
Premier Financial Bancorp, Inc.	2,821	37,491
Prosperity Bancshares, Inc.	2,521	174,857
QCR Holdings, Inc.	1,211	47,943
Renasant Corp.	4,029	135,697
Republic Bancorp, Inc., Class A	1,724	62,185
S&T Bancorp, Inc.	3,436	85,350
Sandy Spring Bancorp, Inc.	2,800	90,132
Seacoast Banking Corp. of Florida (A)	1,191	35,075
Shore Bancshares, Inc.	2,225	32,485
Sierra Bancorp	1,759	42,075
Simmons First National Corp., Class A	6,232	134,549
South State Corp.	3,301	238,662
Southern First Bancshares, Inc. (A)	237	8,378
Southern National Bancorp of Virginia, Inc.	3,850	46,624
Southside Bancshares, Inc.	374	11,605
Sterling Bancorp	11,335	203,803
Synovus Financial Corp.	4,323	139,936
TCF Financial Corp.	8,981	332,477
Texas Capital Bancshares, Inc. (A)	2,159	128,461
The Bancorp, Inc. (A)	4,825	65,861
The Bank of NT Butterfield & Son, Ltd.	752	23,432
The First Bancorp, Inc.	1,769	44,933
The First Bancshares, Inc.	611	18,868
The First of Long Island Corp.	1,039	18,546
Towne Bank	4,414	103,641
TriCo Bancshares	721	25,437
TriState Capital Holdings, Inc. (A)	1,242	21,611
Triumph Bancorp, Inc. (A)	997	48,404
Trustmark Corp.	5,532	151,079
UMB Financial Corp.	939	64,782
Umpqua Holdings Corp.	15,792	239,091
United Bankshares, Inc.	7,105	230,202
United Community Banks, Inc.	5,084	144,589
Univest Financial Corp.	2,460	50,627
Valley National Bancorp	27,685	269,929
Veritex Holdings, Inc.	1,384	35,513
Washington Trust Bancorp, Inc.	635	28,448
Webster Financial Corp.	466	19,642
WesBanco, Inc.	5,327	159,597
Wintrust Financial Corp.	1,992	121,691
Zions Bancorp NA	8,491	368,849
		14,609,839
Capital markets – 1.8%		
Blucora, Inc. (A)	6,814	108,411
Cowen, Inc., Class A	2,956	76,826
Houlihan Lokey, Inc.	10,509	706,520
Invesco, Ltd.	20,349	354,683
Janus Henderson Group PLC	8,689	282,479
Oppenheimer Holdings, Inc., Class A	1,974	62,043
Owl Rock Capital Corp.	7,377	93,393
Stifel Financial Corp.	10,831	546,532
StoneX Group, Inc. (A)	1,346	77,933
Virtus Investment Partners, Inc.	418	90,706

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Waddell & Reed Financial, Inc., Class A	4,577	\$ 116,576
		2,516,102
Consumer finance – 1.4%		
Ally Financial, Inc.	14,244	507,941
Encore Capital Group, Inc. (A)	2,320	90,364
Enova International, Inc. (A)	707	17,512
EZCORP, Inc., Class A (A)	3,087	14,787
LendingClub Corp. (A)	3,292	34,764
Navient Corp.	18,244	179,156
Nelnet, Inc., Class A	2,648	188,644
Nicholas Financial, Inc. (A)	75	629
OneMain Holdings, Inc.	7,990	384,798
PRA Group, Inc. (A)	1,637	64,923
PROG Holdings, Inc. (A)	2,712	146,095
Regional Management Corp.	573	17,110
Santander Consumer USA Holdings, Inc.	16,731	368,417
		2,015,140
Diversified financial services – 0.4%		
Jefferies Financial Group, Inc.	5,497	135,226
Marlin Business Services Corp.	1,698	20,784
NewStar Financial, Inc. (A)(C)	5,739	583
Voya Financial, Inc.	7,710	453,425
		610,018
Insurance – 3.8%		
Alleghany Corp.	470	283,734
Ambac Financial Group, Inc. (A)	1,536	23,624
American Equity Investment Life Holding Company	7,384	204,241
American National Group, Inc.	1,609	154,657
Argo Group International Holdings, Ltd.	3,091	135,077
Assured Guaranty, Ltd.	6,879	216,620
Athene Holding, Ltd., Class A (A)	10,718	462,375
Axis Capital Holdings, Ltd.	3,625	182,664
Brighthouse Financial, Inc. (A)	3,376	122,228
CNA Financial Corp.	627	24,428
CNO Financial Group, Inc.	11,081	246,331
Donegal Group, Inc., Class A	2,876	40,465
Employers Holdings, Inc.	2,717	87,460
Enstar Group, Ltd. (A)	623	127,646
Everest Re Group, Ltd.	1,372	321,171
FBL Financial Group, Inc., Class A	2,068	108,591
FedNat Holding Company	1,090	6,453
First American Financial Corp.	439	22,666
Genworth Financial, Inc., Class A (A)	14,291	54,020
Global Indemnity Group LLC, Class A	1,190	34,022
Greenlight Capital Re, Ltd., Class A (A)	2,616	19,123
Hallmark Financial Services, Inc. (A)	4,008	14,268
Heritage Insurance Holdings, Inc.	9,978	101,077
Horace Mann Educators Corp.	3,603	151,470
Independence Holding Company	1,947	79,827
Investors Title Company	189	28,917
Lincoln National Corp.	7,277	366,106
Maiden Holdings, Ltd. (A)	7,320	18,227
MBIA, Inc. (A)	4,333	28,511
Mercury General Corp.	1,185	61,869
National General Holdings Corp.	6,267	214,206
National Western Life Group, Inc., Class A	221	45,623
Old Republic International Corp.	10,611	209,143
ProAssurance Corp.	2,100	37,359
Protective Insurance Corp., Class B	1,154	15,821
Reinsurance Group of America, Inc.	2,994	347,005
Safety Insurance Group, Inc.	612	47,675
State Auto Financial Corp.	3,787	67,181
Stewart Information Services Corp.	2,162	104,554

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Third Point Reinsurance, Ltd. (A)	2,292	\$ 21,820
United Fire Group, Inc.	1,897	47,615
United Insurance Holdings Corp.	1,482	8,477
Unum Group	11,366	260,736
White Mountains Insurance Group, Ltd.	119	119,079
		5,274,162
Thrifts and mortgage finance – 1.6%		
Axos Financial, Inc. (A)	1,833	68,792
Capitol Federal Financial, Inc.	12,278	153,475
ESSA Bancorp, Inc.	897	13,455
Federal Agricultural Mortgage Corp., Class C	1,163	86,353
Flagstar Bancorp, Inc.	4,596	187,333
Home Bancorp, Inc.	902	25,247
HomeStreet, Inc.	1,732	58,455
Kearny Financial Corp.	5,361	56,612
Meridian Bancorp, Inc.	1,625	24,229
Meta Financial Group, Inc.	2,595	94,873
MGIC Investment Corp.	8,611	108,068
Mr. Cooper Group, Inc. (A)	2,737	84,929
New York Community Bancorp, Inc.	28,861	304,484
Northfield Bancorp, Inc.	4,819	59,418
Northwest Bancshares, Inc.	8,845	112,685
PennyMac Financial Services, Inc.	673	44,162
Premier Financial Corp.	2,855	65,665
Provident Financial Holdings, Inc.	1,778	27,932
Provident Financial Services, Inc.	4,435	79,653
Prudential Bancorp, Inc.	1,696	23,490
Radian Group, Inc.	5,799	117,430
Riverview Bancorp, Inc.	5,483	28,841
Southern Missouri Bancorp, Inc.	1,012	30,805
Territorial Bancorp, Inc.	1,722	41,380
TrustCo Bank Corp.	9,134	60,924
Walker & Dunlop, Inc.	517	47,574
Washington Federal, Inc.	2,236	57,555
Waterstone Financial, Inc.	3,099	58,323
Western New England Bancorp, Inc.	4,739	32,652
WSFS Financial Corp.	3,099	139,083
		2,293,877
		27,319,138
Health care – 13.4%		
Biotechnology – 4.3%		
Achillion Pharmaceuticals, Inc. (A)(C)	10,940	16,357
Albireo Pharma, Inc. (A)	12,550	470,751
Amicus Therapeutics, Inc. (A)	26,437	610,430
AnaptysBio, Inc. (A)	1,489	32,014
Anika Therapeutics, Inc. (A)	533	24,124
Arena Pharmaceuticals, Inc. (A)	6,177	474,579
Biohaven Pharmaceutical Holding Company, Ltd. (A)	6,130	525,402
Chimerix, Inc. (A)	2,352	11,360
Concert Pharmaceuticals, Inc. (A)	1,198	15,143
Emergent BioSolutions, Inc. (A)	7,618	682,573
Enanta Pharmaceuticals, Inc. (A)	400	16,840
Five Prime Therapeutics, Inc. (A)	1,389	23,627
Halozyme Therapeutics, Inc. (A)	12,640	539,854
Insmed, Inc. (A)	9,600	319,584
Ligand Pharmaceuticals, Inc. (A)(B)	163	16,210
Myriad Genetics, Inc. (A)	1,802	35,635
OPKO Health, Inc. (A)(B)	2,204	8,706
Oyster Point Pharma, Inc. (A)	21,344	401,694
PDL BioPharma, Inc. (A)	5,434	13,422
Prothena Corp. PLC (A)	779	9,356
Traverse Therapeutics, Inc. (A)	19,852	541,066

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
United Therapeutics Corp. (A)	809	\$ 122,798
Vanda Pharmaceuticals, Inc. (A)	3,056	40,156
Veracyte, Inc. (A)	8,811	431,210
Vericel Corp. (A)	20,256	625,505
		6,008,396
Health care equipment and supplies – 3.2%		
AngioDynamics, Inc. (A)	5,377	82,429
AtriCure, Inc. (A)	9,939	553,304
Avanos Medical, Inc. (A)	3,306	151,679
Cantel Medical Corp.	630	49,682
Cardiovascular Systems, Inc. (A)	10,644	465,781
CONMED Corp.	535	59,920
CryoLife, Inc. (A)	16,983	400,969
Envista Holdings Corp. (A)	6,183	208,553
FONAR Corp. (A)	463	8,038
Globus Medical, Inc., Class A (A)	10,661	695,310
Haemonetics Corp. (A)	3,894	462,413
ICU Medical, Inc. (A)	1,991	427,050
Inogen, Inc. (A)	400	17,872
Integer Holdings Corp. (A)	2,433	197,535
Integra LifeSciences Holdings Corp. (A)	7,098	460,802
Invacare Corp.	3,396	30,394
Kewaunee Scientific Corp. (A)	83	1,047
LENSAR, Inc. (A)	783	5,677
Merit Medical Systems, Inc. (A)	1,549	85,985
Natus Medical, Inc. (A)	613	12,285
NuVasive, Inc. (A)	1,639	92,325
Orthofix Medical, Inc. (A)	541	23,252
Surgalign Holdings, Inc. (A)	4,931	10,799
Varex Imaging Corp. (A)	1,166	19,449
		4,522,550
Health care providers and services – 3.2%		
Acadia Healthcare Company, Inc. (A)	13,918	699,519
Addus HomeCare Corp. (A)	448	52,456
AMN Healthcare Services, Inc. (A)	590	40,268
Brookdale Senior Living, Inc. (A)	14,058	62,277
Castle Biosciences, Inc. (A)	8,176	549,018
Covetrus, Inc. (A)	1,435	41,242
Cross Country Healthcare, Inc. (A)	2,734	24,251
HealthEquity, Inc. (A)	8,433	587,864
LHC Group, Inc. (A)	3,398	724,861
Magellan Health, Inc. (A)	2,125	176,035
MedCath Corp. (A)(C)	3,806	1,903
MEDNAX, Inc. (A)	6,772	166,185
National HealthCare Corp.	1,628	108,115
Option Care Health, Inc. (A)	1,559	24,383
Owens & Minor, Inc.	5,919	160,109
Patterson Companies, Inc.	4,209	124,713
Premier, Inc., Class A	2,195	77,045
Select Medical Holdings Corp. (A)	9,218	254,970
Star Equity Holdings, Inc. (A)	310	1,113
Surgery Partners, Inc. (A)	664	19,263
The Pennant Group, Inc. (A)	526	30,540
The Providence Service Corp. (A)	887	122,965
Triple-S Management Corp., Class B (A)	2,760	58,926
US Physical Therapy, Inc.	3,530	424,483
		4,532,504
Health care technology – 0.5%		
Allscripts Healthcare Solutions, Inc. (A)	9,018	130,220
Evolent Health, Inc., Class A (A)	2,142	34,336
HealthStream, Inc. (A)	1,369	29,899
HMS Holdings Corp. (A)	11,815	434,201
NextGen Healthcare, Inc. (A)	1,561	28,473
		657,129

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services – 0.9%		
Harvard Bioscience, Inc. (A)	6,562	\$ 28,151
Luminex Corp.	2,011	46,494
Medpace Holdings, Inc. (A)	4,100	570,720
Syneos Health, Inc. (A)	9,832	669,854
		1,315,219
Pharmaceuticals – 1.3%		
Amphastar Pharmaceuticals, Inc. (A)	600	12,066
Cumberland Pharmaceuticals, Inc. (A)	956	2,811
Endo International PLC (A)	2,935	21,073
GW Pharmaceuticals PLC, ADR (A)	3,278	378,314
Jazz Pharmaceuticals PLC (A)	733	120,982
Perrigo Company PLC	4,847	216,758
Prestige Consumer Healthcare, Inc. (A)	1,934	67,439
Supernus Pharmaceuticals, Inc. (A)	18,093	455,220
Taro Pharmaceutical Industries, Ltd. (A)	303	22,246
Viatrix, Inc. (A)	5,117	95,893
Zogenix, Inc. (A)	23,761	474,982
		1,867,784
		18,903,582
Industrials – 19.6%		
Aerospace and defense – 0.9%		
AAR Corp.	3,682	133,362
CPI Aerostructures, Inc. (A)	1,400	5,363
Cubic Corp.	2,425	150,447
Curtiss-Wright Corp.	1,375	159,981
Ducommun, Inc. (A)	1,674	89,894
Hexcel Corp.	1,878	91,064
Kaman Corp.	2,106	120,316
Maxar Technologies, Inc.	1,000	38,590
Moog, Inc., Class A	1,748	138,616
National Presto Industries, Inc.	244	21,577
Park Aerospace Corp.	2,083	27,933
SIFCO Industries, Inc. (A)	1,000	8,400
Spirit AeroSystems Holdings, Inc., Class A	477	18,646
Textron, Inc.	4,476	216,325
Vectrus, Inc. (A)	608	30,230
		1,250,744
Air freight and logistics – 0.6%		
Air Transport Services Group, Inc. (A)	855	26,796
Atlas Air Worldwide Holdings, Inc. (A)	2,943	160,511
Echo Global Logistics, Inc. (A)	2,257	60,533
Forward Air Corp.	1,054	80,989
Hub Group, Inc., Class A (A)	2,878	164,046
Radiant Logistics, Inc. (A)	1,875	10,875
XPO Logistics, Inc. (A)	2,429	289,537
		793,287
Airlines – 0.7%		
Alaska Air Group, Inc.	6,381	331,812
Allegiant Travel Company	168	31,792
Copa Holdings SA, Class A	905	69,893
Hawaiian Holdings, Inc.	2,263	40,055
JetBlue Airways Corp. (A)	16,172	235,141
SkyWest, Inc.	4,337	174,824
Spirit Airlines, Inc. (A)(B)	5,299	129,561
		1,013,078
Building products – 1.3%		
American Woodmark Corp. (A)	501	47,019
Apogee Enterprises, Inc.	1,785	56,549
Armstrong Flooring, Inc. (A)	1,831	6,994
Builders FirstSource, Inc. (A)	2,150	87,742
Gibraltar Industries, Inc. (A)	9,678	696,235
Griffon Corp.	3,371	68,701
Insteel Industries, Inc.	1,989	44,295

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Building products (continued)		
JELD-WEN Holding, Inc. (A)	8,190	\$ 207,698
Masonite International Corp. (A)	1,346	132,366
PGT Innovations, Inc. (A)	784	15,947
Quanex Building Products Corp.	3,929	87,106
Resideo Technologies, Inc. (A)	4,444	94,479
UFP Industries, Inc.	4,551	252,808
		1,797,939
Commercial services and supplies – 1.7%		
ABM Industries, Inc.	6,128	231,884
ACCO Brands Corp.	7,990	67,516
Acme United Corp.	733	22,085
ADT, Inc.	15,484	121,549
Brady Corp., Class A	874	46,165
BrightView Holdings, Inc. (A)	3,362	50,833
CECO Environmental Corp. (A)	1,395	9,709
Civeo Corp. (A)	673	9,355
Clean Harbors, Inc. (A)	2,053	156,233
Ennis, Inc.	2,608	46,553
Harsco Corp. (A)	1,730	31,105
Heritage-Crystal Clean, Inc. (A)	1,877	39,548
Herman Miller, Inc.	533	18,015
HNI Corp.	980	33,771
Interface, Inc.	1,199	12,590
KAR Auction Services, Inc.	3,034	56,463
Kimball International, Inc., Class B	966	11,544
Knoll, Inc.	1,100	16,148
Matthews International Corp., Class A	1,190	34,986
McGrath RentCorp	2,000	134,200
NL Industries, Inc.	3,260	15,583
PICO Holdings, Inc. (A)	2,493	23,310
Ritchie Brothers Auctioneers, Inc.	13,344	928,075
SP Plus Corp. (A)	890	25,659
Steelcase, Inc., Class A	4,596	62,276
Team, Inc. (A)	2,106	22,955
UniFirst Corp.	441	93,355
Viad Corp.	1,664	60,187
Virco Manufacturing Corp. (A)	1,200	3,036
VSE Corp.	1,368	52,654
		2,437,342
Construction and engineering – 1.9%		
Aegion Corp. (A)	3,021	57,369
Ameresco, Inc., Class A (A)	2,164	113,047
API Group Corp. (A)(D)	2,846	51,655
Arcosa, Inc.	4,310	236,748
Argan, Inc.	604	26,872
Comfort Systems USA, Inc.	400	21,064
Dycom Industries, Inc. (A)	4,143	312,879
EMCOR Group, Inc.	1,077	98,502
Fluor Corp.	4,059	64,822
Granite Construction, Inc.	4,459	119,100
Great Lakes Dredge & Dock Corp. (A)	8,200	107,994
IES Holdings, Inc. (A)	237	10,911
MasTec, Inc. (A)	4,355	296,924
MYR Group, Inc. (A)	1,743	104,754
Northwest Pipe Company (A)	1,706	48,280
NV5 Global, Inc. (A)	290	22,846
Orion Group Holdings, Inc. (A)	4,263	21,144
Primoris Services Corp.	3,474	95,917
Quanta Services, Inc.	6,258	450,701
Sterling Construction Company, Inc. (A)	2,528	47,046
Tutor Perini Corp. (A)	4,867	63,028
Valmont Industries, Inc.	493	86,240
WillScot Mobile Mini Holdings Corp. (A)	9,184	212,793
		2,670,636

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment – 0.9%		
Acuity Brands, Inc.	150	\$ 18,164
AZZ, Inc.	1,638	77,707
Encore Wire Corp.	2,149	130,165
EnerSys	563	46,763
LSI Industries, Inc.	4,131	35,361
nVent Electric PLC	4,483	104,409
Powell Industries, Inc.	1,244	36,686
Preformed Line Products Company	984	67,345
Regal Beloit Corp.	2,002	245,866
Sensata Technologies Holding PLC (A)	5,978	315,280
Thermon Group Holdings, Inc. (A)	13,920	217,570
Ultralife Corp. (A)	1,984	12,836
		1,308,152
Industrial conglomerates – 0.2%		
Carlisle Companies, Inc.	2,110	329,540
Machinery – 5.6%		
AGCO Corp.	3,829	394,732
Alamo Group, Inc.	4,785	660,091
Albany International Corp., Class A	1,064	78,119
Altra Industrial Motion Corp.	790	43,790
Astec Industries, Inc.	2,415	139,780
Barnes Group, Inc.	2,872	145,582
Chart Industries, Inc. (A)	2,822	332,403
CIRCOR International, Inc. (A)	1,614	62,042
Colfax Corp. (A)	8,935	341,674
Columbus McKinnon Corp.	2,178	83,722
Crane Company	882	68,496
EnPro Industries, Inc.	503	37,987
ESCO Technologies, Inc.	2,085	215,214
Federal Signal Corp.	4,369	144,920
Franklin Electric Company, Inc.	886	61,320
FreightCar America, Inc. (A)	735	1,771
Gates Industrial Corp. PLC (A)	4,373	55,799
Gencor Industries, Inc. (A)	2,100	25,830
Graham Corp.	333	5,055
Helios Technologies, Inc.	4,442	236,714
Hillenbrand, Inc.	740	29,452
Hurco Companies, Inc.	1,054	31,620
Hyster-Yale Materials Handling, Inc.	970	57,764
ITT, Inc.	1,509	116,223
Kadant, Inc.	218	30,734
Kennametal, Inc.	1,872	67,841
LB Foster Company, Class A (A)	1,699	25,570
Lydall, Inc. (A)	338	10,150
Miller Industries, Inc.	1,706	64,862
Mueller Industries, Inc.	854	29,984
Mueller Water Products, Inc., Class A	1,896	23,472
NN, Inc. (A)	2,376	15,610
Oshkosh Corp.	2,932	252,357
Park-Ohio Holdings Corp.	749	23,144
Perma-Pipe International Holdings, Inc. (A)	1,100	6,666
RBC Bearings, Inc. (A)	3,511	628,609
Rexnord Corp.	4,614	182,207
Snap-on, Inc.	2,258	386,434
SPX FLOW, Inc. (A)	2,346	135,974
Terex Corp.	1,593	55,580
The Eastern Company	1,471	35,451
The Gorman-Rupp Company	826	26,804
The Greenbrier Companies, Inc.	3,369	122,564
The LS Starrett Company, Class A (A)	1,530	6,472
The Manitowoc Company, Inc. (A)	2,882	38,359
The Middleby Corp. (A)	2,184	281,561
The Shyft Group, Inc.	29,653	841,552
The Timken Company	3,006	232,544
Titan International, Inc.	3,936	19,129

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
TriMas Corp. (A)	1,856	\$ 58,780
Trinity Industries, Inc.	10,057	265,404
Twin Disc, Inc. (A)	1,650	12,953
Wabash National Corp.	3,712	63,958
Woodward, Inc.	4,787	581,764
		7,896,589
Marine – 0.3%		
Costamare, Inc.	3,754	31,083
Eagle Bulk Shipping, Inc. (A)	393	7,467
Genco Shipping & Trading, Ltd.	1,028	7,566
Kirby Corp. (A)	2,094	108,532
Matson, Inc.	3,414	194,496
Scorpio Bulkers, Inc.	512	8,668
SEACOR Holdings, Inc. (A)	2,019	83,688
		441,500
Professional services – 1.8%		
Acacia Research Corp. (A)	2,172	8,558
ASGN, Inc. (A)	1,215	101,489
CBIZ, Inc. (A)	4,857	129,245
CRA International, Inc.	1,251	63,713
Exponent, Inc.	7,023	632,281
Forrester Research, Inc. (A)	7,999	335,158
FTI Consulting, Inc. (A)	753	84,125
GP Strategies Corp. (A)	1,125	13,343
Heidrick & Struggles International, Inc.	1,972	57,937
Hill International, Inc. (A)	3,275	6,288
Huron Consulting Group, Inc. (A)	1,611	94,968
ICF International, Inc.	1,629	121,084
Kelly Services, Inc., Class A	4,330	89,068
Korn Ferry	4,157	180,830
ManpowerGroup, Inc.	2,034	183,426
Mistras Group, Inc. (A)	1,232	9,560
Nielsen Holdings PLC	14,162	295,561
RCM Technologies, Inc. (A)	300	621
Resources Connection, Inc.	4,120	51,788
TrueBlue, Inc. (A)	2,519	47,080
		2,506,123
Road and rail – 1.4%		
AMERCO	819	371,793
ArcBest Corp.	2,353	100,403
Covenant Logistics Group, Inc. (A)	1,513	22,408
Heartland Express, Inc.	1,076	19,476
Knight-Swift Transportation Holdings, Inc.	12,827	536,425
Marten Transport, Ltd.	7,368	126,951
P.A.M. Transportation Services, Inc. (A)	675	33,075
Patriot Transportation Holding, Inc.	450	3,951
Ryder System, Inc.	4,039	249,449
Saia, Inc. (A)	1,258	227,446
Schneider National, Inc., Class B	2,862	59,243
USA Truck, Inc. (A)	1,375	12,279
Werner Enterprises, Inc.	4,946	193,982
		1,956,881
Trading companies and distributors – 2.2%		
Air Lease Corp.	8,650	384,233
Applied Industrial Technologies, Inc.	205	15,988
Beacon Roofing Supply, Inc. (A)	3,611	145,126
BMC Stock Holdings, Inc. (A)	2,274	122,068
CAI International, Inc.	1,738	54,295
DXP Enterprises, Inc. (A)	967	21,496
GATX Corp.	3,170	263,681
Houston Wire & Cable Company (A)	3,039	8,479
Lawson Products, Inc. (A)	591	30,088
MRC Global, Inc. (A)	2,745	18,199

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
MSC Industrial Direct Company, Inc., Class A	878	\$ 74,094
NOW, Inc. (A)	9,114	65,439
Rush Enterprises, Inc., Class A	3,370	139,585
Rush Enterprises, Inc., Class B	1,117	42,323
SiteOne Landscape Supply, Inc. (A)	5,779	916,723
Textainer Group Holdings, Ltd. (A)	1,991	38,187
Titan Machinery, Inc. (A)	2,816	55,053
Transcat, Inc. (A)	1,132	39,258
Triton International, Ltd.	5,687	275,876
Univar Solutions, Inc. (A)	3,749	71,268
Veritiv Corp. (A)	889	18,482
WESCO International, Inc. (A)	4,087	320,830
Willis Lease Finance Corp. (A)	406	12,367
		3,133,138
Transportation infrastructure – 0.1%		
Macquarie Infrastructure Corp.	4,124	154,856
		27,689,805
Information technology – 13.6%		
Communications equipment – 1.1%		
ADTRAN, Inc.	5,269	77,823
BK Technologies Corp.	2,100	6,363
CalAmp Corp. (A)	900	8,928
Calix, Inc. (A)	1,577	46,932
Communications Systems, Inc.	1,800	8,226
Comtech Telecommunications Corp.	3,221	66,642
Digi International, Inc. (A)	4,013	75,846
EchoStar Corp., Class A (A)	4,430	93,872
Harmonic, Inc. (A)	4,356	32,191
InterDigital, Inc.	1,773	107,586
Juniper Networks, Inc.	11,220	252,562
NETGEAR, Inc. (A)	2,991	121,524
NetScout Systems, Inc. (A)	5,458	149,658
Optical Cable Corp. (A)	931	2,495
Ribbon Communications, Inc. (A)	1,083	7,104
TESSCO Technologies, Inc.	1,750	10,920
ViaSat, Inc. (A)	823	26,871
Viavi Solutions, Inc. (A)	31,732	475,187
		1,570,730
Electronic equipment, instruments and components – 3.5%		
ADDvantage Technologies Group, Inc. (A)	428	1,280
Arlo Technologies, Inc. (A)	6,715	52,310
Arrow Electronics, Inc. (A)	6,456	628,169
Avnet, Inc.	9,371	329,016
Bel Fuse, Inc., Class B	1,641	24,664
Belden, Inc.	1,539	64,484
Benchmark Electronics, Inc.	3,813	102,989
CTS Corp.	3,310	113,632
Daktronics, Inc.	3,929	18,388
ePlus, Inc. (A)	950	83,553
Fabrinet (A)	2,958	229,511
Flex, Ltd. (A)	22,654	407,319
Frequency Electronics, Inc. (A)	1,783	19,274
Insight Enterprises, Inc. (A)	2,606	198,291
Jabil, Inc.	9,420	400,633
Key Tronic Corp. (A)	1,900	13,110
Kimball Electronics, Inc. (A)	3,614	57,788
Knowles Corp. (A)	6,866	126,540
Methode Electronics, Inc.	1,177	45,056
MTS Systems Corp.	626	36,408
OSI Systems, Inc. (A)	1,047	97,601
PC Connection, Inc. (A)	2,691	127,257
Plexus Corp. (A)	2,386	186,609
RF Industries, Ltd.	120	589

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
Richardson Electronics, Ltd.	2,384	\$ 11,229
Rogers Corp. (A)	3,582	556,249
Sanmina Corp. (A)	5,879	187,481
ScanSource, Inc. (A)	2,542	67,058
SYNNEX Corp.	3,306	269,241
TTM Technologies, Inc. (A)	9,753	134,543
Vishay Intertechnology, Inc.	10,845	224,600
Vishay Precision Group, Inc. (A)	1,686	53,075
		4,867,947
IT services – 1.9%		
Alliance Data Systems Corp.	237	17,562
CACI International, Inc., Class A (A)	2,675	666,958
Concentrix Corp. (A)	3,306	326,302
Conduent, Inc. (A)	5,456	26,189
DXC Technology Company	10,334	266,101
Endava PLC, ADR (A)	9,699	744,398
KBR, Inc.	6,509	201,323
ManTech International Corp., Class A	2,267	201,627
MAXIMUS, Inc.	559	40,913
Perficient, Inc. (A)	2,157	102,781
Sykes Enterprises, Inc. (A)	3,351	126,232
		2,720,386
Semiconductors and semiconductor equipment – 3.6%		
Alpha & Omega Semiconductor, Ltd. (A)	3,269	77,279
Amkor Technology, Inc.	18,705	282,071
Amtech Systems, Inc. (A)	2,404	15,338
Axcelis Technologies, Inc. (A)(B)	3,360	97,843
AXT, Inc. (A)	4,229	40,472
Brooks Automation, Inc.	6,578	446,317
CMC Materials, Inc.	2,053	310,619
Cohu, Inc.	3,425	130,767
Diodes, Inc. (A)	3,133	220,877
DSP Group, Inc. (A)	1,080	17,917
Entegris, Inc.	6,450	619,845
First Solar, Inc. (A)	4,609	455,922
FormFactor, Inc. (A)	1,299	55,883
GSI Technology, Inc. (A)	3,507	25,952
Kulicke & Soffa Industries, Inc.	4,804	152,815
MACOM Technology Solutions Holdings, Inc. (A)	8,335	458,758
MagnaChip Semiconductor Corp. (A)	799	10,802
NeoPhotonics Corp. (A)	3,808	34,615
ON Semiconductor Corp. (A)	6,724	220,077
Onto Innovation, Inc. (A)	1,739	82,689
PDF Solutions, Inc. (A)	2,193	47,369
Photonics, Inc. (A)	7,002	78,142
Power Integrations, Inc.	5,704	466,929
Rambus, Inc. (A)	4,286	74,834
Silicon Laboratories, Inc. (A)	3,534	450,020
Synaptics, Inc. (A)	187	18,027
Ultra Clean Holdings, Inc. (A)	2,706	84,292
Veeco Instruments, Inc. (A)	2,996	52,011
		5,028,482
Software – 3.2%		
Aware, Inc. (A)	2,160	7,560
Bottomline Technologies DE, Inc. (A)	5,101	269,027
Cerence, Inc. (A)	8,856	889,851
Ebix, Inc.	954	36,223
j2 Global, Inc. (A)	1,241	121,233
Mimecast, Ltd. (A)	13,494	766,999
OneSpan, Inc. (A)	1,048	21,673
Paylocity Holding Corp. (A)	4,790	986,309
Rapid7, Inc. (A)	9,410	848,406

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
The Descartes Systems Group, Inc. (A)	6,811	\$ 398,307
Verint Systems, Inc. (A)	402	27,006
Xperi Holding Corp.	4,859	101,553
		4,474,147
Technology hardware, storage and peripherals – 0.3%		
AstroNova, Inc.	1,439	15,325
NCR Corp. (A)	423	15,892
Stratasys, Ltd. (A)(B)	2,906	60,212
Super Micro Computer, Inc. (A)	4,394	139,114
Xerox Holdings Corp.	8,939	207,295
		437,838
		19,099,530
Materials – 6.6%		
Chemicals – 3.4%		
AdvanSix, Inc. (A)	895	17,891
American Vanguard Corp.	2,118	32,871
Ashland Global Holdings, Inc.	2,215	175,428
Avient Corp.	15,170	611,048
Balchem Corp.	4,202	484,154
Cabot Corp.	1,518	68,128
CF Industries Holdings, Inc.	9,411	364,300
Core Molding Technologies, Inc. (A)	1,000	14,080
Element Solutions, Inc.	14,525	257,528
Ferro Corp. (A)	1,600	23,408
Flotek Industries, Inc. (A)	1,771	3,737
FutureFuel Corp.	4,276	54,305
GCP Applied Technologies, Inc. (A)	1,786	42,239
Hawkins, Inc.	730	38,186
HB Fuller Company	3,426	177,741
Huntsman Corp.	15,185	381,751
Innospec, Inc.	1,994	180,916
Intrepid Potash, Inc. (A)	504	12,172
Kraton Corp. (A)	3,085	85,732
Kronos Worldwide, Inc.	1,438	21,441
LSB Industries, Inc. (A)	567	1,922
Minerals Technologies, Inc.	2,502	155,424
Olin Corp.	6,642	163,128
PQ Group Holdings, Inc.	2,944	41,981
Quaker Chemical Corp.	1,765	447,233
Rayonier Advanced Materials, Inc. (A)	800	5,216
Sensient Technologies Corp.	476	35,115
Stepan Company	1,533	182,918
The Mosaic Company	3,180	73,172
Trecora Resources (A)	2,774	19,390
Tredegar Corp.	1,654	27,622
Trinseo SA	940	48,137
Tronox Holdings PLC, Class A	4,982	72,837
Westlake Chemical Corp.	5,483	447,413
		4,768,564
Construction materials – 0.1%		
Summit Materials, Inc., Class A (A)	6,168	123,853
U.S. Concrete, Inc. (A)	268	10,712
United States Lime & Minerals, Inc.	686	78,204
		212,769
Containers and packaging – 0.7%		
Graphic Packaging Holding Company	12,264	207,752
Greif, Inc., Class A	1,678	78,665
Greif, Inc., Class B	498	24,093
Silgan Holdings, Inc.	818	30,331
Sonoco Products Company	2,431	144,037
Westrock Company	10,123	440,654
		925,532

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining – 1.9%		
Alcoa Corp. (A)	9,078	\$ 209,248
Allegheny Technologies, Inc. (A)	5,052	84,722
Ampco-Pittsburgh Corp. (A)	1,644	9,009
Carpenter Technology Corp.	4,255	123,906
Century Aluminum Company (A)	6,579	72,566
Coeur Mining, Inc. (A)	5,562	57,567
Commercial Metals Company	7,031	144,417
Ferroglobe PLC (A)	3,057	5,013
Friedman Industries, Inc.	1,511	10,365
Haynes International, Inc.	458	10,919
Hecla Mining Company	35,139	227,701
Materion Corp.	2,048	130,499
Nexa Resources SA	900	8,676
Olympic Steel, Inc.	2,383	31,765
Reliance Steel & Aluminum Company	4,588	549,413
Schnitzer Steel Industries, Inc., Class A	3,662	116,854
Steel Dynamics, Inc.	13,028	480,342
SunCoke Energy, Inc.	6,433	27,984
Synalloy Corp. (A)	2,039	15,904
TimkenSteel Corp. (A)	2,689	12,558
United States Steel Corp.	9,180	153,949
Universal Stainless & Alloy Products, Inc. (A)	1,562	11,684
Warrior Met Coal, Inc.	3,785	80,696
Worthington Industries, Inc.	2,841	145,857
		2,721,614
Paper and forest products – 0.5%		
Boise Cascade Company	2,384	113,955
Clearwater Paper Corp. (A)	1,597	60,287
Domtar Corp.	4,813	152,331
Glatfelter Corp.	4,610	75,512
Louisiana-Pacific Corp.	685	25,461
Mercer International, Inc.	8,558	87,720
Neenah, Inc.	193	10,677
Resolute Forest Products, Inc. (A)	9,682	63,320
Schweitzer-Mauduit International, Inc.	1,971	79,254
Verso Corp., Class A	1,405	16,888
		685,405
		9,313,884
Real estate – 1.8%		
Equity real estate investment trusts – 1.1%		
Easterly Government Properties, Inc.	13,420	303,963
QTS Realty Trust, Inc., Class A	10,110	625,607
STAG Industrial, Inc.	18,867	590,914
		1,520,484
Real estate management and development – 0.7%		
BBX Capital, Inc. (A)	348	1,980
CTO Realty Growth, Inc.	220	9,275
Cushman & Wakefield PLC (A)	5,999	88,965
Forestar Group, Inc. (A)	1,913	38,604
FRP Holdings, Inc. (A)	722	32,887
Griffin Industrial Realty, Inc. (A)	892	55,750
Jones Lang LaSalle, Inc. (A)	2,871	425,970
Kennedy-Wilson Holdings, Inc.	696	12,451
Marcus & Millichap, Inc. (A)	1,253	46,649
Rafael Holdings, Inc., Class B (A)	500	11,660
RE/MAX Holdings, Inc., Class A	493	17,911
Realty Holdings Corp. (A)	9,825	128,904
Stratus Properties, Inc. (A)	1,025	26,138
Tejon Ranch Company (A)	1,709	24,695
The Howard Hughes Corp. (A)	1,077	85,008

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Opportunities Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
The St. Joe Company	1,296	\$ 55,015
		1,061,862
		2,582,346
Utilities – 0.5%		
Independent power and renewable electricity producers – 0.5%		
Brookfield Renewable Corp., Class A	2,232	130,059
Ormat Technologies, Inc.	720	65,002
Vistra Corp.	22,923	450,666
		645,727
Multi-utilities – 0.0%		
MDU Resources Group, Inc.	2,346	61,794
		707,521
TOTAL COMMON STOCKS (Cost \$114,532,482)		\$ 140,356,564
PREFERRED SECURITIES – 0.1%		
Consumer discretionary – 0.1%		
Internet and direct marketing retail – 0.1%		
Qurate Retail, Inc., 8.000%	615	60,885
Industrials – 0.0%		
Trading companies and distributors – 0.0%		
WESCO International, Inc. (10.625% to 6-22-25, then 5 Year CMT + 10.325%)	1,507	47,094
TOTAL PREFERRED SECURITIES (Cost \$134,945)		\$ 107,979
SHORT-TERM INVESTMENTS – 1.6%		
Short-term funds – 1.6%		
John Hancock Collateral Trust, 0.1386% (E)(F)	118,737	1,188,093
State Street Institutional Treasury Money Market Fund, Premier Class, 0.0100% (E)	702,469	702,469
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (E)	426,915	426,915
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,317,624)		\$ 2,317,477
Total Investments (Small Cap Opportunities Trust) (Cost \$116,985,051) – 101.2%		\$ 142,782,020
Other assets and liabilities, net – (1.2%)		(1,751,727)
TOTAL NET ASSETS – 100.0%		\$ 141,030,293

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 12-31-20.
(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)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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.

Small Cap Stock Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.1%		
Communication services – 1.9%		
Diversified telecommunication services – 0.8%		
Bandwidth, Inc., Class A (A)	21,717	\$ 3,337,251
Media – 1.1%		
Cardlytics, Inc. (A)(B)	35,157	5,019,365
		8,356,616
Consumer discretionary – 15.8%		
Auto components – 0.9%		
Fox Factory Holding Corp. (A)	37,502	3,964,336
Automobiles – 0.9%		
Thor Industries, Inc.	41,882	3,894,607
Diversified consumer services – 2.1%		
Chegg, Inc. (A)	102,735	9,280,053
Hotels, restaurants and leisure – 2.9%		
GAN, Ltd. (A)(B)	74,437	1,509,582
Penn National Gaming, Inc. (A)	78,607	6,789,287
Planet Fitness, Inc., Class A (A)	57,032	4,427,394
		12,726,263
Household durables – 2.4%		
Cavco Industries, Inc. (A)	21,154	3,711,469
Century Communities, Inc. (A)	61,826	2,706,742
Skyline Champion Corp. (A)	134,401	4,158,367
		10,576,578
Leisure products – 1.5%		
Polaris, Inc.	34,182	3,256,861
YETI Holdings, Inc. (A)	46,936	3,213,708
		6,470,569
Multiline retail – 1.1%		
Ollie's Bargain Outlet Holdings, Inc. (A)	59,594	4,873,001
Specialty retail – 2.9%		
Five Below, Inc. (A)	36,187	6,332,001
Floor & Decor Holdings, Inc., Class A (A)	70,467	6,542,861
		12,874,862
Textiles, apparel and luxury goods – 1.1%		
Wolverine World Wide, Inc.	149,754	4,679,813
		69,340,082
Consumer staples – 0.8%		
Beverages – 0.8%		
The Boston Beer Company, Inc., Class A (A)	3,548	3,527,741
Financials – 5.8%		
Banks – 2.0%		
Sterling Bancorp	221,773	3,987,479
Western Alliance Bancorp	85,339	5,116,073
		9,103,552
Capital markets – 1.6%		
Ares Management Corp., Class A	67,838	3,191,778
BowX Acquisition Corp. (A)	222,900	2,385,030
Hamilton Lane, Inc., Class A	19,495	1,521,585
		7,098,393
Consumer finance – 0.9%		
PRA Group, Inc. (A)	97,030	3,848,210
Insurance – 0.5%		
James River Group Holdings, Ltd.	43,446	2,135,371
Mortgage real estate investment trusts – 0.8%		
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	53,782	3,411,392
		25,596,918
Health care – 30.1%		

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology – 17.3%		
Acceleron Pharma, Inc. (A)	18,488	\$ 2,365,355
Allakos, Inc. (A)	25,541	3,575,740
ALX Oncology Holdings, Inc. (A)(B)	50,266	4,332,929
Amicus Therapeutics, Inc. (A)	209,998	4,848,854
Apellis Pharmaceuticals, Inc. (A)	39,629	2,266,779
Arena Pharmaceuticals, Inc. (A)	27,293	2,096,921
Ascendis Pharma A/S, ADR (A)	18,743	3,125,958
Blueprint Medicines Corp. (A)	23,111	2,591,899
ChemoCentryx, Inc. (A)	32,735	2,026,951
Constellation Pharmaceuticals, Inc. (A)	56,479	1,626,595
Five Prime Therapeutics, Inc. (A)	81,429	1,385,107
Freeline Therapeutics Holdings PLC, ADR (A)(B)	79,632	1,454,080
Global Blood Therapeutics, Inc. (A)	34,928	1,512,732
Heron Therapeutics, Inc. (A)	162,887	3,447,503
ImmunoGen, Inc. (A)	322,465	2,079,899
Iovance Biotherapeutics, Inc. (A)	58,808	2,728,691
Kodiak Sciences, Inc. (A)	41,693	6,125,119
Kura Oncology, Inc. (A)	44,213	1,443,997
Mersana Therapeutics, Inc. (A)	71,658	1,906,819
Mirati Therapeutics, Inc. (A)	22,173	4,870,078
PTC Therapeutics, Inc. (A)	66,389	4,051,721
RAPT Therapeutics, Inc. (A)(B)	32,788	647,563
Rocket Pharmaceuticals, Inc. (A)	38,876	2,131,960
TG Therapeutics, Inc. (A)	95,744	4,980,603
Turning Point Therapeutics, Inc. (A)	32,271	3,932,221
UroGen Pharma, Ltd. (A)(B)	95,536	1,721,559
Y-mAbs Therapeutics, Inc. (A)	52,333	2,591,007
		75,868,640
Health care equipment and supplies – 4.8%		
Globus Medical, Inc., Class A (A)	100,516	6,555,654
Hill-Rom Holdings, Inc.	39,319	3,852,082
Insulet Corp. (A)	15,138	3,869,727
Integra LifeSciences Holdings Corp. (A)	42,500	2,759,100
Tandem Diabetes Care, Inc. (A)	41,358	3,957,133
		20,993,696
Health care providers and services – 2.7%		
ILife Healthcare, Inc. (A)	90,962	3,970,491
Addus HomeCare Corp. (A)	27,602	3,231,918
LHC Group, Inc. (A)	22,570	4,814,632
		12,017,041
Health care technology – 2.5%		
Health Catalyst, Inc. (A)	88,242	3,841,174
Multiplan Corp. (A)(B)	519,900	4,154,001
Omniceil, Inc. (A)	24,507	2,941,330
		10,936,505
Life sciences tools and services – 2.3%		
Medpace Holdings, Inc. (A)	19,541	2,720,107
NanoString Technologies, Inc. (A)	46,656	3,120,353
NeoGenomics, Inc. (A)	81,050	4,363,732
		10,204,192
Pharmaceuticals – 0.5%		
Reata Pharmaceuticals, Inc., Class A (A)	9,271	1,146,081
Revance Therapeutics, Inc. (A)	41,060	1,163,640
		2,309,721
		132,329,795
Industrials – 13.8%		
Aerospace and defense – 2.2%		
Axon Enterprise, Inc. (A)	24,149	2,958,977
Curtiss-Wright Corp.	58,855	6,847,779
		9,806,756

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Building products – 0.9%		
Gibraltar Industries, Inc. (A)	51,369	\$ 3,695,486
Commercial services and supplies – 0.7%		
Tetra Tech, Inc.	26,074	3,018,848
Construction and engineering – 1.2%		
Argan, Inc.	64,514	2,870,228
Comfort Systems USA, Inc.	48,037	2,529,628
		5,399,856
Electrical equipment – 0.5%		
Plug Power, Inc. (A)	61,616	2,089,399
Machinery – 4.1%		
ITT, Inc.	62,322	4,800,040
Kennametal, Inc.	121,595	4,406,603
Kornit Digital, Ltd. (A)	51,713	4,609,180
Rexnord Corp.	106,442	4,203,395
		18,019,218
Professional services – 0.9%		
TriNet Group, Inc. (A)	51,098	4,118,499
Road and rail – 0.8%		
Saia, Inc. (A)	20,002	3,616,362
Trading companies and distributors – 2.5%		
Applied Industrial Technologies, Inc.	30,473	2,376,589
BMC Stock Holdings, Inc. (A)	77,542	4,162,455
Rush Enterprises, Inc., Class A	102,775	4,256,941
		10,795,985
		60,560,409
Information technology – 25.2%		
Communications equipment – 0.8%		
Lumentum Holdings, Inc. (A)	35,966	3,409,577
Electronic equipment, instruments and components – 3.9%		
II-VI, Inc. (A)	124,034	9,421,622
Novanta, Inc. (A)	42,875	5,068,683
PAR Technology Corp. (A)(B)	45,979	2,887,021
		17,377,326
IT services – 2.8%		
LiveRamp Holdings, Inc. (A)	75,513	5,526,796
Perficient, Inc. (A)	77,036	3,670,765
Verra Mobility Corp. (A)	230,250	3,089,955
		12,287,516
Semiconductors and semiconductor equipment – 5.2%		
ACM Research, Inc., Class A (A)	33,321	2,707,331
Entegris, Inc.	30,435	2,924,804
First Solar, Inc. (A)	41,840	4,138,813
MKS Instruments, Inc.	32,528	4,893,838
SunPower Corp. (A)(B)	58,369	1,496,581
Tower Semiconductor, Ltd. (A)	253,999	6,558,254
		22,719,621
Software – 12.5%		
2U, Inc. (A)	104,031	4,162,280
Digital Turbine, Inc. (A)	113,949	6,444,955
Five9, Inc. (A)	18,478	3,222,563
HubSpot, Inc. (A)	7,500	2,973,300
j2 Global, Inc. (A)	46,111	4,504,584
Manhattan Associates, Inc. (A)	37,114	3,903,651
MarkLogic Corp. (A)(C)	153,423	42,958
Mimecast, Ltd. (A)	67,331	3,827,094
PagerDuty, Inc. (A)	88,511	3,690,909
Paylocity Holding Corp. (A)	20,858	4,294,871
Porch.com, Inc. (A)(D)	216,863	2,939,903
Q2 Holdings, Inc. (A)	34,122	4,317,457
Rapid7, Inc. (A)	79,521	7,169,613

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Stock Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Skillz, Inc. (A)	187,825	\$ 3,756,500
		55,250,638
		111,044,678
Materials – 1.0%		
Chemicals – 1.0%		
Ingevity Corp. (A)	57,087	4,323,199
Real estate – 1.7%		
Equity real estate investment trusts – 1.4%		
Essential Properties Realty Trust, Inc.	148,718	3,152,822
Xenia Hotels & Resorts, Inc.	198,700	3,020,240
		6,173,062
Real estate management and development – 0.3%		
Redfin Corp. (A)	19,068	1,308,637
		7,481,699
TOTAL COMMON STOCKS (Cost \$303,303,260)		\$ 422,561,137
PREFERRED SECURITIES – 0.2%		
Consumer discretionary – 0.2%		
Diversified consumer services – 0.2%		
The Honest Company, Inc., Series D (A)(C)(D)	26,954	1,129,642
TOTAL PREFERRED SECURITIES (Cost \$1,233,280)		\$ 1,129,642
EXCHANGE-TRADED FUNDS – 1.6%		
iShares Russell 2000 Growth ETF (B)	24,009	6,883,380
TOTAL EXCHANGE-TRADED FUNDS (Cost \$5,314,195)		\$ 6,883,380
SHORT-TERM INVESTMENTS – 5.8%		
Short-term funds – 4.4%		
John Hancock Collateral Trust, 0.1386% (E)(F)	1,918,654	19,198,246
Repurchase agreement – 1.4%		
Societe Generale SA Tri-Party Repurchase Agreement dated 12-31-20 at 0.050% to be repurchased at \$6,400,036 on 1-4-21, collateralized by \$3,151,335 Federal Home Loan Mortgage Corp., 0.000% - 4.000% due 8-15-27 to 12-1-50 (valued at \$3,311,425), \$767,914 Federal National Mortgage Association, 2.500% - 4.000% due 5-1-50 to 12-1-50 (valued at \$815,336) and \$2,293,557 Government National Mortgage Association, 2.000% due 9-20-50 to 12-20-50 (valued at \$2,401,239)	\$ 6,400,000	6,400,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$25,599,411)		\$ 25,598,246
Total Investments (Small Cap Stock Trust) (Cost \$335,450,146) – 103.7%		\$ 456,172,405 (16,346,274)
Other assets and liabilities, net – (3.7%)		
TOTAL NET ASSETS – 100.0%		\$ 439,826,131

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(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)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(E)	The rate shown is the annualized seven-day yield as of 12-31-20.

Small Cap Stock Trust (continued)

(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.

Small Cap Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 96.9%		
Consumer discretionary – 7.5%		
Auto components – 2.3%		
Cooper Tire & Rubber Company	150,510	\$ 6,095,655
Gentherm, Inc. (A)	81,279	5,301,016
		11,396,671
Hotels, restaurants and leisure – 0.9%		
Aramark	29,460	1,133,621
Wyndham Hotels & Resorts, Inc.	56,320	3,347,661
		4,481,282
Household durables – 1.8%		
Helen of Troy, Ltd. (A)	13,780	3,061,778
TRI Pointe Group, Inc. (A)	343,865	5,931,671
		8,993,449
Specialty retail – 0.9%		
Monro, Inc.	80,450	4,287,985
Textiles, apparel and luxury goods – 1.6%		
Kontoor Brands, Inc.	187,730	7,614,329
		36,773,716
Consumer staples – 5.5%		
Beverages – 0.8%		
C&C Group PLC (A)	1,266,611	3,943,148
Food products – 2.2%		
Cranswick PLC	129,751	6,235,261
Hostess Brands, Inc. (A)	262,020	3,835,973
Post Holdings, Inc. (A)	6,545	661,110
		10,732,344
Household products – 2.5%		
Spectrum Brands Holdings, Inc.	156,625	12,370,243
		27,045,735
Energy – 3.3%		
Energy equipment and services – 0.4%		
Bristow Group, Inc. (A)	79,974	2,104,916
Oil, gas and consumable fuels – 2.9%		
Dorian LPG, Ltd. (A)	424,233	5,171,400
Kosmos Energy, Ltd.	1,563,830	3,675,001
Magnolia Oil & Gas Corp., Class A (A)	613,580	4,331,875
Scorpio Tankers, Inc. (B)	85,942	961,691
		14,139,967
		16,244,883
Financials – 20.1%		
Banks – 13.4%		
1st Source Corp.	110,485	4,452,546
Atlantic Union Bankshares Corp.	203,320	6,697,361
Banc of California, Inc.	445,004	6,546,009
Eastern Bankshares, Inc. (A)	243,930	3,978,498
First Busey Corp.	246,113	5,303,735
First Midwest Bancorp, Inc.	421,566	6,711,331
Flushing Financial Corp.	303,786	5,054,999
Great Western Bancorp, Inc.	269,726	5,637,273
Hancock Whitney Corp.	180,435	6,138,399
International Bancshares Corp.	208,729	7,814,814
Synovus Financial Corp.	202,198	6,545,149
Webster Financial Corp.	12,645	532,987
		65,413,101
Capital markets – 1.0%		
Solar Capital, Ltd.	286,464	5,015,985

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance – 4.7%		
Alleghany Corp.	1,953	\$ 1,179,007
Argo Group International Holdings, Ltd.	37,450	1,636,565
Assured Guaranty, Ltd.	120,202	3,785,161
Kemper Corp.	116,495	8,950,311
Reinsurance Group of America, Inc.	6,180	716,262
White Mountains Insurance Group, Ltd.	6,630	6,634,376
		22,901,682
Thrifts and mortgage finance – 1.0%		
Northwest Bancshares, Inc.	393,095	5,008,030
		98,338,798
Health care – 3.7%		
Health care equipment and supplies – 1.7%		
Lantheus Holdings, Inc. (A)	465,060	6,273,659
Natus Medical, Inc. (A)	98,365	1,971,235
		8,244,894
Health care providers and services – 0.4%		
AMN Healthcare Services, Inc. (A)	31,350	2,139,638
Health care technology – 1.6%		
Allscripts Healthcare Solutions, Inc. (A)	524,252	7,570,199
		17,954,731
Industrials – 27.7%		
Aerospace and defense – 0.9%		
Hexcel Corp.	94,890	4,601,216
Building products – 4.0%		
American Woodmark Corp. (A)	82,000	7,695,700
Tyman PLC (A)	2,418,659	11,584,248
		19,279,948
Commercial services and supplies – 4.3%		
ACCO Brands Corp.	725,245	6,128,320
BrightView Holdings, Inc. (A)	326,642	4,938,827
Clean Harbors, Inc. (A)	9,480	721,428
SP Plus Corp. (A)	173,913	5,013,912
UniFirst Corp.	19,040	4,030,578
		20,833,065
Construction and engineering – 3.3%		
Primoris Services Corp.	263,770	7,282,690
Valmont Industries, Inc.	50,310	8,800,728
		16,083,418
Electrical equipment – 1.0%		
Thermon Group Holdings, Inc. (A)	325,588	5,088,940
Machinery – 6.8%		
Albany International Corp., Class A	57,474	4,219,741
ESCO Technologies, Inc.	23,462	2,421,748
Luxfer Holdings PLC	383,179	6,291,799
Luxfer Holdings PLC (London Stock Exchange)	23,810	355,722
Mueller Industries, Inc.	241,805	8,489,774
TriMas Corp. (A)	361,651	11,453,487
		33,232,271
Marine – 0.6%		
SEACOR Holdings, Inc. (A)	73,533	3,047,943
Professional services – 5.4%		
CBIZ, Inc. (A)	198,693	5,287,221
Forrester Research, Inc. (A)	146,408	6,134,495
Huron Consulting Group, Inc. (A)	159,686	9,413,490
ICF International, Inc.	76,595	5,693,306
		26,528,512
Trading companies and distributors – 1.4%		
GATX Corp.	79,225	6,589,936
		135,285,249

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Information technology – 9.0%		
Electronic equipment, instruments and components – 5.2%		
Belden, Inc.	219,824	\$ 9,210,626
Coherent, Inc. (A)	44,060	6,609,881
CTS Corp.	221,480	7,603,408
Rogers Corp. (A)	12,532	1,946,094
		25,370,009
IT services – 1.9%		
ExlService Holdings, Inc. (A)	41,610	3,542,259
WNS Holdings, Ltd., ADR (A)	79,439	5,723,580
		9,265,839
Semiconductors and semiconductor equipment – 1.7%		
Onto Innovation, Inc. (A)	172,053	8,181,120
Software – 0.2%		
CDK Global, Inc.	18,900	979,587
		43,796,555
Materials – 7.2%		
Chemicals – 4.7%		
Element Solutions, Inc.	491,710	8,718,018
Ingevity Corp. (A)	32,970	2,496,818
Orion Engineered Carbons SA	420,425	7,206,085
Stepan Company	38,600	4,605,752
		23,026,673
Containers and packaging – 0.2%		
Sealed Air Corp.	22,840	1,045,844
Paper and forest products – 2.3%		
Louisiana-Pacific Corp.	65,197	2,423,372
Neenah, Inc.	151,781	8,396,522
		10,819,894
		34,892,411
Real estate – 9.6%		
Equity real estate investment trusts – 9.6%		
Alexander & Baldwin, Inc.	402,040	6,907,047
Brandywine Realty Trust	524,820	6,250,606
Corporate Office Properties Trust	145,447	3,793,258
Lexington Realty Trust	347,440	3,689,813
Physicians Realty Trust	403,580	7,183,724
Piedmont Office Realty Trust, Inc., Class A	357,030	5,794,597
PotlatchDeltic Corp.	132,207	6,612,994
RPT Realty	757,312	6,550,749
		46,782,788
Utilities – 3.3%		
Electric utilities – 1.2%		
Portland General Electric Company	132,020	5,646,495
Gas utilities – 2.1%		
New Jersey Resources Corp.	139,853	4,971,774
Spire, Inc.	70,400	4,508,416
UGI Corp.	24,355	851,451
		10,331,641
		15,978,136
TOTAL COMMON STOCKS (Cost \$412,127,689)		\$ 473,093,002
SHORT-TERM INVESTMENTS – 3.3%		
Short-term funds – 0.2%		
John Hancock Collateral Trust, 0.1386% (C)(D)	88,378	884,316

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Cap Value Trust (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS (continued)		
Repurchase agreement – 3.1%		
Bank of America Tri-Party Repurchase Agreement dated 12-31-20 at 0.080% to be repurchased at \$15,500,138 on 1-4-21, collateralized by \$14,106,041 Government National Mortgage Association, 2.418% - 2.613% due 9-20-70 (valued at \$15,810,000)	\$ 15,500,000	\$ 15,500,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$16,384,383)		\$ 16,384,316
Total Investments (Small Cap Value Trust) (Cost \$428,512,072) – 100.2%		\$ 489,477,318
Other assets and liabilities, net – (0.2%)		(1,134,620)
TOTAL NET ASSETS – 100.0%		\$ 488,342,698

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(C)	The rate shown is the annualized seven-day yield as of 12-31-20.
(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.

Small Company Value Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.1%		
Communication services – 2.3%		
Media – 2.3%		
Advantage Solutions, Inc. (A)(B)	28,612	\$ 376,820
Boston Omaha Corp., Class A (A)	23,475	649,084
Cable One, Inc.	1,009	2,247,769
Scholastic Corp.	13,571	339,275
		3,612,948
Consumer discretionary – 10.3%		
Auto components – 1.8%		
Dorman Products, Inc. (A)	9,346	811,420
LCI Industries	8,043	1,043,016
Visteon Corp. (A)	8,114	1,018,469
		2,872,905
Distributors – 0.6%		
Pool Corp.	2,649	986,753
Diversified consumer services – 0.8%		
Strategic Education, Inc.	12,277	1,170,366
Hotels, restaurants and leisure – 2.5%		
BJ's Restaurants, Inc. (A)	18,325	705,329
Marriott Vacations Worldwide Corp.	7,090	972,890
Papa John's International, Inc.	9,163	777,481
Planet Fitness, Inc., Class A (A)	8,400	652,092
Red Robin Gourmet Burgers, Inc. (A)	21,435	412,195
Texas Roadhouse, Inc.	3,800	297,008
		3,816,995
Household durables – 1.1%		
Cavco Industries, Inc. (A)	6,294	1,104,282
Meritage Homes Corp. (A)	7,089	587,111
		1,691,393
Specialty retail – 2.2%		
Hibbett Sports, Inc. (A)	10,300	475,654
Lumber Liquidators Holdings, Inc. (A)	37,453	1,151,305
Monro, Inc.	13,106	698,550
Sportsman's Warehouse Holdings, Inc. (A)	53,570	940,154

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
The Aaron's Company, Inc. (A)	7,877	\$ 149,348
		3,415,011
Textiles, apparel and luxury goods – 1.3%		
Hanesbrands, Inc.	56,566	824,732
Steven Madden, Ltd.	33,634	1,187,953
		2,012,685
		15,966,108
Consumer staples – 3.0%		
Beverages – 0.5%		
Coca-Cola Consolidated, Inc.	2,862	762,065
Food and staples retailing – 0.4%		
Grocery Outlet Holding Corp. (A)	15,511	608,807
Food products – 2.1%		
Nomad Foods, Ltd. (A)	63,118	1,604,460
Post Holdings, Inc. (A)	9,297	939,090
The Simply Good Foods Company (A)	24,152	757,407
		3,300,957
		4,671,829
Energy – 4.4%		
Energy equipment and services – 2.0%		
Cactus, Inc., Class A	35,799	933,280
ChampionX Corp. (A)	77,800	1,190,340
Liberty Oilfield Services, Inc., Class A	86,774	894,640
		3,018,260
Oil, gas and consumable fuels – 2.4%		
International Seaways, Inc.	27,697	452,287
Kimbell Royalty Partners LP (B)	32,216	254,829
Magnolia Oil & Gas Corp., Class A (A)	79,265	559,611
Matador Resources Company (A)	54,033	651,638
REX American Resources Corp. (A)	9,932	729,704
WPX Energy, Inc. (A)	130,507	1,063,632
		3,711,701
		6,729,961
Financials – 28.4%		
Banks – 15.2%		
Atlantic Capital Bancshares, Inc. (A)	13,573	216,082
BankUnited, Inc.	51,723	1,798,926
Columbia Banking System, Inc.	34,621	1,242,894
CrossFirst Bancshares, Inc. (A)	44,844	482,073
East West Bancorp, Inc.	17,169	870,640
Eastern Bankshares, Inc. (A)	26,000	424,060
FB Financial Corp.	33,124	1,150,397
Glacier Bancorp, Inc.	25,529	1,174,589
HarborOne Bancorp, Inc.	72,907	791,770
Heritage Financial Corp.	17,902	418,728
Home BancShares, Inc.	110,218	2,147,047
Howard Bancorp, Inc. (A)	55,346	653,636
Independent Bank Corp. (Massachusetts)	9,139	667,513
Live Oak Bancshares, Inc.	29,236	1,387,541
National Bank Holdings Corp., Class A	30,985	1,015,069
Origin Bancorp, Inc.	25,340	703,692
Pinnacle Financial Partners, Inc.	27,832	1,792,381
Popular, Inc.	18,245	1,027,558
Prosperity Bancshares, Inc.	3,436	238,321
South State Corp.	16,794	1,214,206
Towne Bank	48,256	1,133,051
Webster Financial Corp.	25,272	1,065,215
Western Alliance Bancorp	32,748	1,963,243
		23,578,632
Capital markets – 2.6%		
Hercules Capital, Inc.	54,136	780,641

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Houlihan Lokey, Inc.	16,925	\$ 1,137,868
Main Street Capital Corp.	13,571	437,800
StepStone Group, Inc., Class A (A)(B)	8,056	320,629
Virtus Investment Partners, Inc.	5,876	1,275,092
		3,952,030
Consumer finance – 1.9%		
Green Dot Corp., Class A (A)	18,517	1,033,249
PRA Group, Inc. (A)	8,691	344,685
PROG Holdings, Inc. (A)	29,634	1,596,384
		2,974,318
Diversified financial services – 0.2%		
Cannae Holdings, Inc. (A)	7,584	335,744
Insurance – 2.0%		
BRP Group, Inc., Class A (A)	28,080	841,558
James River Group Holdings, Ltd.	8,636	424,459
Palomar Holdings, Inc. (A)	7,968	707,877
ProAssurance Corp.	26,649	474,086
Safety Insurance Group, Inc.	3,002	233,856
State Auto Financial Corp.	26,044	462,021
		3,143,857
Mortgage real estate investment trusts – 2.2%		
Capstead Mortgage Corp.	61,727	358,634
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	35,793	2,270,350
PennyMac Mortgage Investment Trust	46,059	810,178
		3,439,162
Thriffs and mortgage finance – 4.3%		
Meridian Bancorp, Inc.	43,579	649,763
PCSB Financial Corp.	20,092	320,266
PennyMac Financial Services, Inc.	30,662	2,012,040
Radian Group, Inc.	56,633	1,146,818
Walker & Dunlop, Inc.	6,074	558,929
WSFS Financial Corp.	43,236	1,940,432
		6,628,248
		44,051,991
Health care – 7.5%		
Biotechnology – 1.7%		
Acceleron Pharma, Inc. (A)	3,337	426,936
Blueprint Medicines Corp. (A)	3,000	336,450
Insmed, Inc. (A)	6,300	209,727
Kodiak Sciences, Inc. (A)	2,979	437,645
Replimune Group, Inc. (A)	7,807	297,837
Ultragenyx Pharmaceutical, Inc. (A)	4,286	593,311
Xencor, Inc. (A)	8,856	386,387
		2,688,293
Health care equipment and supplies – 2.4%		
Atrion Corp.	1,451	931,890
Avanos Medical, Inc. (A)	13,084	600,294
Envista Holdings Corp. (A)	26,407	890,708
Mesa Laboratories, Inc.	1,733	496,747
Outset Medical, Inc. (A)	453	25,749
Quidel Corp. (A)	4,255	764,411
		3,709,799
Health care providers and services – 2.7%		
Molina Healthcare, Inc. (A)	1,452	308,811
Option Care Health, Inc. (A)	33,228	519,686
Select Medical Holdings Corp. (A)	51,199	1,416,164
The Ensign Group, Inc.	14,618	1,065,945
The Pennant Group, Inc. (A)	16,332	948,236
		4,258,842

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care technology – 0.5%		
Certara, Inc. (A)(B)	2,343	\$ 79,006
Phreesia, Inc. (A)	11,980	650,035
		729,041
Life sciences tools and services – 0.1%		
Seer, Inc. (A)	1,626	91,284
Pharmaceuticals – 0.1%		
Arvinas, Inc. (A)	1,864	158,310
		11,635,569
Industrials – 16.6%		
Aerospace and defense – 1.7%		
Cubic Corp.	17,469	1,083,777
Parsons Corp. (A)	15,808	575,569
Triumph Group, Inc.	73,699	925,659
		2,585,005
Building products – 1.6%		
JELD-WEN Holding, Inc. (A)	15,137	383,874
Resideo Technologies, Inc. (A)	21,629	459,833
UFP Industries, Inc.	30,394	1,688,387
		2,532,094
Commercial services and supplies – 2.6%		
Brady Corp., Class A	15,755	832,179
McGrath RentCorp	14,040	942,084
MSA Safety, Inc.	5,663	845,996
Stericycle, Inc. (A)	16,507	1,144,430
UniFirst Corp.	1,454	307,797
		4,072,486
Construction and engineering – 1.1%		
Aegion Corp. (A)	67,769	1,286,933
Ameresco, Inc., Class A (A)	6,900	360,456
		1,647,389
Electrical equipment – 0.6%		
Array Technologies, Inc. (A)	8,939	385,628
Thermon Group Holdings, Inc. (A)	33,783	528,028
		913,656
Machinery – 4.5%		
Alamo Group, Inc.	3,300	455,235
Blue Bird Corp. (A)	27,817	507,938
Chart Industries, Inc. (A)	4,200	494,718
CIRCOR International, Inc. (A)	20,088	772,183
Enerpac Tool Group Corp.	34,202	773,307
ESCO Technologies, Inc.	13,638	1,407,714
Helios Technologies, Inc.	19,922	1,061,643
Hydrofarm Holdings Group, Inc. (A)	1,017	53,474
SPX Corp. (A)	14,886	811,882
The Timken Company	7,500	580,200
		6,918,294
Marine – 0.4%		
Matson, Inc.	12,449	709,220
Professional services – 1.2%		
Clarivate PLC (A)	33,320	989,937
FTI Consulting, Inc. (A)	2,097	234,277
Korn Ferry	14,640	636,840
		1,861,054
Road and rail – 1.2%		
Landstar System, Inc.	7,353	990,155
Ryder System, Inc.	15,029	928,191
		1,918,346
Trading companies and distributors – 1.7%		
Air Lease Corp.	9,400	417,548
Beacon Roofing Supply, Inc. (A)	29,795	1,197,461

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
Rush Enterprises, Inc., Class A	11,617	\$ 481,176
Univar Solutions, Inc. (A)	28,500	541,785
		<u>2,637,970</u>
		25,795,514
Information technology – 8.5%		
Communications equipment – 0.8%		
Harmonic, Inc. (A)	174,374	1,288,624
Electronic equipment, instruments and components – 3.1%		
Belden, Inc.	41,539	1,740,484
Knowles Corp. (A)	37,178	685,191
Littelfuse, Inc.	9,416	2,397,879
		<u>4,823,554</u>
IT services – 0.5%		
i3 Verticals, Inc., Class A (A)	22,019	731,031
Semiconductors and semiconductor equipment – 2.2%		
Entegris, Inc.	13,201	1,268,616
MaxLinear, Inc. (A)	28,330	1,081,923
Onto Innovation, Inc. (A)	8,828	419,771
Semtech Corp. (A)	9,233	665,607
		<u>3,435,917</u>
Software – 1.9%		
Ceridian HCM Holding, Inc. (A)	18,052	1,923,621
NCino, Inc. (A)(B)	6,036	437,067
Workiva, Inc. (A)	6,295	576,748
		<u>2,937,436</u>
		13,216,562
Materials – 6.1%		
Chemicals – 2.4%		
American Vanguard Corp.	25,577	396,955
Element Solutions, Inc.	24,439	433,303
Minerals Technologies, Inc.	15,105	938,323
Orion Engineered Carbons SA	44,172	757,108
Quaker Chemical Corp.	4,349	1,101,993
		<u>3,627,682</u>
Containers and packaging – 0.5%		
Myers Industries, Inc.	37,287	774,824
Metals and mining – 2.5%		
Alcoa Corp. (A)	44,242	1,019,778
Carpenter Technology Corp.	27,811	809,856
Constellium SE (A)	92,689	1,296,719
Reliance Steel & Aluminum Company	6,435	770,591
		<u>3,896,944</u>
Paper and forest products – 0.7%		
Clearwater Paper Corp. (A)	28,676	1,082,519
		<u>9,381,969</u>
Real estate – 8.1%		
Equity real estate investment trusts – 6.8%		
American Campus Communities, Inc.	14,648	626,495
Apartment Investment and Management Company, Class A	62,100	327,888
EastGroup Properties, Inc.	8,952	1,235,913
Essential Properties Realty Trust, Inc.	14,826	314,311
Healthcare Realty Trust, Inc.	28,827	853,279
JBG SMITH Properties	33,109	1,035,318
PotlatchDeltic Corp.	26,879	1,344,488
PS Business Parks, Inc.	6,217	826,053
Safehold, Inc.	5,470	396,520
Saul Centers, Inc.	23,510	744,797
Sunstone Hotel Investors, Inc.	103,447	1,172,055

Small Company Value Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Terreno Realty Corp.	28,311	\$ 1,656,477
		<u>10,533,594</u>
Real estate management and development – 1.3%		
Opendoor Technologies, Inc. (A)(B)	10,500	238,665
The St. Joe Company	43,304	1,838,255
		<u>2,076,920</u>
		12,610,514
Utilities – 3.9%		
Electric utilities – 1.1%		
IDACORP, Inc.	5,261	505,214
MGE Energy, Inc.	12,047	843,651
PNM Resources, Inc.	8,082	392,219
		<u>1,741,084</u>
Gas utilities – 2.1%		
Chesapeake Utilities Corp.	17,245	1,866,081
ONE Gas, Inc.	15,598	1,197,458
RGC Resources, Inc.	10,184	242,176
		<u>3,305,715</u>
Water utilities – 0.7%		
California Water Service Group	18,593	1,004,580
		<u>6,051,379</u>
TOTAL COMMON STOCKS (Cost \$113,466,482)		\$ 153,724,344
WARRANTS – 0.0%		
Advantage Solutions, Inc. (Expiration Date: 10-28-25; Strike Price: \$11.50) (A)	4,703	13,404
TOTAL WARRANTS (Cost \$6,099)		\$ 13,404
SHORT-TERM INVESTMENTS – 1.2%		
Short-term funds – 1.2%		
John Hancock Collateral Trust, 0.1386% (C)(D)	131,200	1,312,799
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0300% (C)	375,677	375,677
T. Rowe Price Government Reserve Fund, 0.0753% (C)	226,250	226,250
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,914,789)		\$ 1,914,726
Total Investments (Small Company Value Trust) (Cost \$115,387,370) – 100.3%		\$ 155,652,474
Other assets and liabilities, net – (0.3%)		(491,968)
TOTAL NET ASSETS – 100.0%		\$ 155,160,506

Security Abbreviations and Legend

- (A) Non-income producing security.
- (B) All or a portion of this security is on loan as of 12-31-20.
- (C) The rate shown is the annualized seven-day yield as of 12-31-20.
- (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 – 96.7%		
Communication services – 7.6%		
Diversified telecommunication services – 1.4%		
Alaska Communications Systems Group, Inc.	10,857	\$ 40,062
Altice Europe NV (A)(B)	119,239	772,275

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Diversified telecommunication services (continued)		
Anterix, Inc. (A)	2,176	\$ 81,818
AT&T, Inc.	1,124,987	32,354,626
ATN International, Inc.	2,097	87,571
Bandwidth, Inc., Class A (A)	3,567	548,141
BT Group PLC (A)	1,677,265	3,023,201
Cellnex Telecom SA (A)(C)	59,452	3,570,267
CenturyLink, Inc.	158,224	1,542,684
Cincinnati Bell, Inc. (A)	9,442	144,274
Cogent Communications Holdings, Inc.	7,741	463,454
Consolidated Communications Holdings, Inc. (A)	13,748	67,228
Deutsche Telekom AG	626,351	11,432,525
Elisa OYJ	26,728	1,465,210
HKT Trust & HKT, Ltd.	711,421	922,663
IDT Corp., Class B (A)	3,879	47,944
Iliad SA	2,780	570,635
Infrastrutture Wireless Italiane SpA (B)(C)	63,154	765,582
Iridium Communications, Inc. (A)	21,876	860,274
Koninklijke KPN NV	671,342	2,040,404
Liberty Latin America, Ltd., Class A (A)	10,745	119,592
Liberty Latin America, Ltd., Class C (A)	26,867	297,955
Nippon Telegraph & Telephone Corp.	241,916	6,207,318
Ooma, Inc. (A)	4,096	58,982
Orange SA	374,912	4,463,337
ORBCOMM, Inc. (A)	14,333	106,351
PCCW, Ltd.	799,317	481,347
Proximus SADP	28,586	564,668
Singapore Telecommunications, Ltd.	1,311,062	2,289,298
Singapore Telecommunications, Ltd.	258,829	454,279
Spark New Zealand, Ltd.	345,221	1,169,337
Swisscom AG	4,867	2,621,061
Telecom Italia SpA	1,571,223	729,281
Telecom Italia SpA, Savings Shares	1,132,925	590,327
Telefonica Deutschland Holding AG (B)	195,664	538,913
Telefonica SA	901,203	3,584,651
Telenor ASA	131,492	2,232,044
Telia Company AB	461,131	1,904,403
Telstra Corp., Ltd.	782,267	1,796,559
TPG Telecom, Ltd. (A)	69,884	388,132
United Internet AG	20,051	844,048
Verizon Communications, Inc.	653,742	38,407,343
Vonage Holdings Corp. (A)	43,168	555,788
		131,205,852
Entertainment – 1.5%		
Activision Blizzard, Inc.	122,059	11,333,178
AMC Entertainment Holdings, Inc., Class A (B)	14,854	31,490
Bollere SA	166,101	687,683
Capcom Company, Ltd.	16,500	1,070,069
Cinemark Holdings, Inc. (B)	54,491	948,688
Electronic Arts, Inc.	45,565	6,543,134
Eros STX Global Corp. (A)(B)	31,210	56,802
Glu Mobile, Inc. (A)	27,273	245,730
IMAX Corp. (A)	9,297	167,532
Koei Tecmo Holdings Company, Ltd.	8,500	518,914
Konami Holdings Corp.	17,509	985,165
Liberty Media Corp.-Liberty Braves, Class A (A)	2,869	71,352
Liberty Media Corp.-Liberty Braves, Class C (A)	6,132	152,564
Live Nation Entertainment, Inc. (A)	22,766	1,672,846
LiveXLive Media, Inc. (A)	10,034	32,912
Netflix, Inc. (A)	69,759	37,720,784
Nexon Company, Ltd.	91,406	2,820,322
Nintendo Company, Ltd.	21,039	13,505,800

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Entertainment (continued)		
Square Enix Holdings Company, Ltd.	17,300	\$ 1,048,909
Take-Two Interactive Software, Inc. (A)	18,315	3,805,674
The Marcus Corp.	4,475	60,323
The Walt Disney Company (A)	285,786	51,778,707
Toho Company, Ltd.	21,008	886,089
Ubisoft Entertainment SA (A)(B)	17,207	1,658,213
Vivendi SA (B)	155,948	5,030,018
World Wrestling Entertainment, Inc., Class A	15,080	724,594
		143,557,492
Interactive media and services – 3.1%		
Adevinta ASA (A)(B)	45,051	757,309
Alphabet, Inc., Class A (A)	47,469	83,196,068
Alphabet, Inc., Class C (A)	45,850	80,323,698
Auto Trader Group PLC (C)	181,501	1,477,371
CarGurus, Inc. (A)	16,264	516,057
Cars.com, Inc. (A)	12,669	143,160
Eventbrite, Inc., Class A (A)(B)	11,964	216,548
EverQuote, Inc., Class A (A)	2,640	98,604
Facebook, Inc., Class A (A)	379,622	103,697,546
Kakaku.com, Inc.	25,200	689,808
Liberty TripAdvisor Holdings, Inc., Class A (A)	15,134	65,682
MediaAlpha, Inc., Class A (A)	1,954	76,343
QuinStreet, Inc. (A)	8,939	191,652
REA Group, Ltd.	9,901	1,134,134
Scout24 AG (B)(C)	20,219	1,652,172
SEEK, Ltd.	63,024	1,381,793
TripAdvisor, Inc. (A)	31,039	893,302
TrueCar, Inc. (A)	20,210	84,882
Twitter, Inc. (A)	124,874	6,761,927
Yelp, Inc. (A)	35,465	1,158,642
Z Holdings Corp.	498,554	3,016,867
		287,533,565
Media – 1.0%		
AMC Networks, Inc., Class A (A)(B)	5,319	190,261
Boston Omaha Corp., Class A (A)	2,620	72,443
Cable One, Inc.	1,743	3,882,916
Cardlytics, Inc. (A)	4,874	695,861
Charter Communications, Inc., Class A (A)	23,068	15,260,635
Comcast Corp., Class A	720,864	37,773,274
comScore, Inc. (A)	14,782	36,807
CyberAgent, Inc.	19,000	1,310,707
Daily Journal Corp. (A)	240	96,960
Dentsu Group, Inc.	40,665	1,210,266
Discovery, Inc., Series A (A)	25,636	771,387
Discovery, Inc., Series C (A)	45,726	1,197,564
DISH Network Corp., Class A (A)	39,517	1,277,980
Entercom Communications Corp., Class A	23,058	56,953
Entravision Communications Corp., Class A	12,735	35,021
Fluent, Inc. (A)	9,060	48,109
Fox Corp., Class A	51,594	1,502,417
Fox Corp., Class B	25,090	724,599
Gannett Company, Inc. (A)	25,699	86,349
Gray Television, Inc. (A)	16,143	288,798
Hakuhodo DY Holdings, Inc.	43,873	602,850
Hemisphere Media Group, Inc. (A)	3,093	32,043
iHeartMedia, Inc., Class A (A)(B)	11,289	146,531
Informa PLC (A)	282,284	2,110,742
John Wiley & Sons, Inc., Class A	14,094	643,532
Loral Space & Communications, Inc.	2,566	53,860
Meredith Corp.	7,450	143,040
MSG Networks, Inc., Class A (A)(B)	5,735	84,534
National CineMedia, Inc.	12,383	46,065

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
News Corp., Class A	62,339	\$ 1,120,232
News Corp., Class B	19,472	346,017
Omnicom Group, Inc.	34,418	2,146,651
Pearson PLC (B)	141,470	1,298,447
Publicis Groupe SA	40,712	2,023,441
Schibsted ASA, B Shares (A)	18,417	683,649
Schibsted ASA, Class A (A)	14,209	605,585
Scholastic Corp.	5,554	138,850
SES SA	72,062	676,316
Shinclair Broadcast Group, Inc., Class A (B)	8,385	267,062
TechTarget, Inc. (A)	4,400	260,084
TEGNA, Inc.	110,802	1,545,688
The EW Scripps Company, Class A	10,555	161,386
The Interpublic Group of Companies, Inc.	62,458	1,469,012
The New York Times Company, Class A	46,634	2,414,242
Tribune Publishing Company	3,290	45,073
ViacomCBS, Inc., Class B	87,565	3,262,672
WideOpenWest, Inc. (A)	9,793	104,491
WPP PLC	230,266	2,495,160
		91,446,562
Wireless telecommunication services – 0.6%		
Boingo Wireless, Inc. (A)	8,384	106,644
Gogo, Inc. (A)(B)	10,394	100,094
KDDI Corp.	303,143	8,988,264
Shenandoah Telecommunications Company	8,942	386,742
SoftBank Corp.	539,800	6,775,562
SoftBank Group Corp.	294,574	22,869,256
Spok Holdings, Inc.	5,035	56,040
Tele2 AB, B Shares	93,843	1,241,354
Telephone & Data Systems, Inc.	32,151	597,044
T-Mobile US, Inc. (A)	92,169	12,428,990
Vodafone Group PLC	5,040,821	8,279,485
		61,829,475
		715,572,946
Consumer discretionary – 12.3%		
Auto components – 0.5%		
Adient PLC (A)	46,593	1,620,039
Aisin Seiki Company, Ltd.	30,458	913,411
American Axle & Manufacturing Holdings, Inc. (A)	21,104	176,007
Aptiv PLC	42,452	5,531,071
BorgWarner, Inc.	39,155	1,512,949
Bridgestone Corp. (B)	100,606	3,299,459
Cie Generale des Etablissements Michelin SCA	31,892	4,106,313
Continental AG	20,672	3,076,721
Cooper Tire & Rubber Company	9,342	378,351
Cooper-Standard Holdings, Inc. (A)	3,157	109,453
Dana, Inc.	73,467	1,434,076
Denso Corp.	81,395	4,844,691
Dorman Products, Inc. (A)	4,935	428,457
Faurecia SE (A)	15,564	797,447
Fox Factory Holding Corp. (A)	21,039	2,224,033
Gentex Corp.	78,702	2,670,359
Gentherm, Inc. (A)	6,066	395,625
Koito Manufacturing Company, Ltd.	19,666	1,338,387
LCI Industries	4,547	589,655
Lear Corp.	17,538	2,789,068
Modyne Manufacturing Company (A)	9,352	117,461
Motorcar Parts of America, Inc. (A)	3,688	72,359
NGK Spark Plug Company, Ltd.	28,799	491,799
Patrick Industries, Inc.	4,171	285,088
Standard Motor Products, Inc.	3,862	156,257
Stanley Electric Company, Ltd.	24,467	789,292

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Auto components (continued)		
Stoneridge, Inc. (A)	4,879	\$ 147,492
Sumitomo Electric Industries, Ltd.	141,743	1,878,207
Tenneco, Inc., Class A (A)	9,434	100,000
The Goodyear Tire & Rubber Company	118,347	1,291,166
Toyoda Gosei Company, Ltd.	12,203	354,061
Toyota Industries Corp.	27,553	2,189,115
Valeo SA	43,031	1,697,325
Visteon Corp. (A)	14,109	1,770,962
Workhorse Group, Inc. (A)(B)	17,583	347,792
XPEL, Inc. (A)	3,118	160,764
		50,084,712
Automobiles – 1.9%		
Bayerische Motoren Werke AG	62,221	5,491,411
Daimler AG	160,837	11,400,013
Ferrari NV (B)	23,688	5,494,226
Fiat Chrysler Automobiles NV (A)	207,074	3,741,011
Ford Motor Company	615,030	5,406,114
General Motors Company	198,805	8,278,240
Harley-Davidson, Inc.	49,140	1,803,438
Honda Motor Company, Ltd.	306,373	8,644,705
Isuzu Motors, Ltd.	103,646	986,672
Mazda Motor Corp.	106,900	715,578
Nissan Motor Company, Ltd. (A)	436,276	2,364,794
Peugeot SA (A)(B)	110,525	3,026,799
Renault SA (A)	36,122	1,581,129
Subaru Corp.	115,627	2,313,571
Suzuki Motor Corp.	69,243	3,209,794
Tesla, Inc. (A)	119,744	84,499,710
Thor Industries, Inc.	17,829	1,657,919
Toyota Motor Corp.	398,600	30,759,990
Volkswagen AG	6,101	1,272,079
Winnebago Industries, Inc.	5,781	346,513
Yamaha Motor Company, Ltd.	52,613	1,073,885
		184,067,591
Distributors – 0.1%		
Core-Mark Holding Company, Inc.	8,363	245,621
Funko, Inc., Class A (A)	5,020	52,108
Genuine Parts Company	23,109	2,320,837
LKQ Corp. (A)	44,843	1,580,267
Pool Corp.	6,420	2,391,450
		6,590,283
Diversified consumer services – 0.1%		
Adtalem Global Education, Inc. (A)	26,423	897,061
American Public Education, Inc. (A)	2,805	85,496
Aspen Group, Inc. (A)	4,749	52,856
Carriage Services, Inc.	3,161	99,003
Collectors Universe, Inc.	1,710	128,934
Franchise Group, Inc.	4,135	125,911
Graham Holdings Company, Class B	1,294	690,194
Grand Canyon Education, Inc. (A)	15,060	1,402,237
H&R Block, Inc.	58,924	934,535
Houghton Mifflin Harcourt Company (A)	20,608	68,625
Laureate Education, Inc., Class A (A)	20,100	292,656
OneSpaWorld Holdings, Ltd.	8,791	89,141
Perdoceo Education Corp. (A)	12,905	162,990
Regis Corp. (A)(B)	5,029	46,217
Service Corp. International	55,555	2,727,751
Strategic Education, Inc.	12,390	1,181,139
Stride, Inc. (A)	7,462	158,418
Universal Technical Institute, Inc. (A)	6,300	40,698
Vivint Smart Home, Inc. (A)	14,303	296,787
WW International, Inc. (A)	23,964	584,722
		10,065,371

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure – 1.8%		
Accel Entertainment, Inc. (A)	9,193	\$ 92,849
Accor SA (A)	34,368	1,246,898
Aristocrat Leisure, Ltd.	107,996	2,593,088
Bally's Corp.	3,330	167,266
Biglari Holdings, Inc., Class B (A)	282	31,358
BJ's Restaurants, Inc. (A)	4,161	160,157
Bloomin' Brands, Inc.	16,317	316,876
Bluegreen Vacations Holding Corp.	2,674	36,179
Boyd Gaming Corp. (A)	40,837	1,752,724
Brinker International, Inc.	8,313	470,266
Caesars Entertainment, Inc. (A)	100,346	7,452,697
Carnival Corp.	116,758	2,528,978
Carrols Restaurant Group, Inc. (A)	7,033	44,167
Century Casinos, Inc. (A)	5,865	37,477
Chipotle Mexican Grill, Inc. (A)	4,407	6,111,231
Choice Hotels International, Inc.	9,299	992,482
Churchill Downs, Inc.	18,410	3,586,084
Chuy's Holdings, Inc. (A)	3,740	99,073
Compass Group PLC	335,225	6,252,401
Cracker Barrel Old Country Store, Inc.	12,020	1,585,678
Crown Resorts, Ltd.	69,988	520,883
Darden Restaurants, Inc.	20,836	2,481,984
Dave & Buster's Entertainment, Inc.	8,275	248,416
Del Taco Restaurants, Inc. (A)	6,000	54,360
Denny's Corp. (A)	11,739	172,329
Dine Brands Global, Inc.	2,899	168,142
Domino's Pizza, Inc.	6,303	2,416,948
El Pollo Loco Holdings, Inc. (A)	3,556	64,364
Entain PLC (A)	109,663	1,700,961
Everi Holdings, Inc. (A)	15,437	213,185
Evolution Gaming Group AB (B)(C)	23,847	2,397,446
Fiesta Restaurant Group, Inc. (A)	3,643	41,530
Flutter Entertainment PLC (A)	29,087	5,914,409
Galaxy Entertainment Group, Ltd.	407,153	3,169,497
GAN, Ltd. (A)	4,634	93,978
Genting Singapore, Ltd.	1,136,421	731,901
Golden Entertainment, Inc. (A)	3,278	65,199
Hilton Grand Vacations, Inc. (A)	15,827	496,176
Hilton Worldwide Holdings, Inc.	43,458	4,835,137
InterContinental Hotels Group PLC (A)	32,609	2,113,554
International Game Technology PLC	18,404	311,764
Jack in the Box, Inc.	11,529	1,069,891
La Francaise des Jeux SAEM (C)	16,152	740,344
Las Vegas Sands Corp.	52,609	3,135,496
Lindblad Expeditions Holdings, Inc. (A)	5,046	86,388
Marriott International, Inc., Class A	41,795	5,513,596
Marriott Vacations Worldwide Corp.	20,632	2,831,123
McDonald's Corp.	117,603	25,235,252
McDonald's Holdings Company Japan, Ltd. (B)	12,461	603,875
Melco Resorts & Entertainment, Ltd., ADR	40,300	747,565
MGM Resorts International	65,581	2,066,457
Monarch Casino & Resort, Inc. (A)	2,350	143,867
Nathan's Famous, Inc.	694	38,323
Noodles & Company (A)	6,311	49,857
Norwegian Cruise Line Holdings, Ltd. (A)(B)	50,556	1,285,639
Oriental Land Company, Ltd.	37,600	6,212,697
Papa John's International, Inc.	16,685	1,415,722
Penn National Gaming, Inc. (A)	76,314	6,591,240
PlayAGS, Inc. (A)	5,820	41,904
RCI Hospitality Holdings, Inc.	1,673	65,983
Red Robin Gourmet Burgers, Inc. (A)	3,042	58,498
Red Rock Resorts, Inc., Class A	12,266	307,141
Royal Caribbean Cruises, Ltd.	29,875	2,231,364

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Ruth's Hospitality Group, Inc.	6,118	\$ 108,472
Sands China, Ltd.	455,882	1,991,018
Scientific Games Corp. (A)	28,683	1,190,058
SeaWorld Entertainment, Inc. (A)	9,423	297,673
Shake Shack, Inc., Class A (A)	6,515	552,342
Six Flags Entertainment Corp.	24,366	830,881
SJM Holdings, Ltd.	372,826	418,005
Sodexo SA	16,625	1,406,038
Starbucks Corp.	185,208	19,813,552
Tabcorp Holdings, Ltd.	403,340	1,214,350
Texas Roadhouse, Inc.	33,044	2,582,719
The Cheesecake Factory, Inc. (B)	7,906	292,996
The Wendy's Company	57,833	1,267,699
Whitbread PLC (A)	37,929	1,606,544
Wingstop, Inc.	15,042	1,993,817
Wyndham Destinations, Inc.	27,535	1,235,220
Wyndham Hotels & Resorts, Inc.	29,859	1,774,819
Wynn Macau, Ltd. (A)	293,070	493,079
Wynn Resorts, Ltd.	15,548	1,754,281
Yum! Brands, Inc.	47,364	5,141,836
		170,207,713
Household durables – 0.9%		
Barratt Developments PLC (A)	191,358	1,749,415
Beazer Homes USA, Inc. (A)	5,296	80,234
Casio Computer Company, Ltd.	36,548	668,846
Casper Sleep, Inc. (A)	5,612	34,514
Cavco Industries, Inc. (A)	1,726	302,827
Century Communities, Inc. (A)	5,392	236,062
D.R. Horton, Inc.	51,633	3,558,546
Electrolux AB, Series B	42,386	986,192
Ethan Allen Interiors, Inc.	4,341	87,732
Garmin, Ltd.	23,893	2,859,036
GoPro, Inc., Class A (A)	22,935	189,902
Green Brick Partners, Inc. (A)	4,387	100,726
Hamilton Beach Brands Holding Company, Class B	853	14,936
Helen of Troy, Ltd. (A)	12,856	2,856,475
Hooker Furniture Corp.	2,282	73,595
Husqvarna AB, B Shares	78,553	1,019,455
Iida Group Holdings Company, Ltd.	27,700	560,044
Installed Building Products, Inc. (A)	4,262	434,426
iRobot Corp. (A)(B)	5,099	409,399
KB Home	44,763	1,500,456
La-Z-Boy, Inc.	8,218	327,405
Leggett & Platt, Inc.	21,207	939,470
Lennar Corp., A Shares	43,988	3,353,205
LGI Homes, Inc. (A)	4,140	438,219
Lifetime Brands, Inc.	2,582	39,246
M/I Homes, Inc. (A)	5,151	228,138
MDC Holdings, Inc.	9,409	457,277
Meritage Homes Corp. (A)	6,886	570,299
Mohawk Industries, Inc. (A)	9,579	1,350,160
Newell Brands, Inc.	60,489	1,284,181
NVR, Inc. (A)	557	2,272,482
Panasonic Corp.	415,009	4,837,854
Persimmon PLC	59,935	2,262,114
PulteGroup, Inc.	42,957	1,852,306
Purple Innovation, Inc. (A)	3,099	102,081
Rinnai Corp.	6,778	787,889
SEB SA	4,254	773,520
Sekisui Chemical Company, Ltd.	67,144	1,273,139
Sekisui House, Ltd.	115,826	2,359,584
Sharp Corp.	40,000	607,780
Skyline Champion Corp. (A)	9,853	304,852
Sonos, Inc. (A)	15,001	350,873

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household durables (continued)		
Sony Corp.	237,000	\$ 23,882,016
Taylor Morrison Home Corp. (A)	65,249	1,673,637
Taylor Wimpey PLC (A)	684,855	1,549,114
Tempur Sealy International, Inc. (A)	61,479	1,659,933
The Berkeley Group Holdings PLC	23,622	1,528,050
The Lovesac Company (A)	1,891	81,483
Toll Brothers, Inc.	36,800	1,599,696
TopBuild Corp. (A)	16,741	3,081,683
TRI Pointe Group, Inc. (A)	64,143	1,106,467
Tupperware Brands Corp. (A)	9,120	295,397
Turtle Beach Corp. (A)(B)	2,761	59,500
Universal Electronics, Inc. (A)	2,530	132,724
VOXX International Corp. (A)	3,940	50,274
Whirlpool Corp.	9,978	1,800,929
		82,995,795
Internet and direct marketing retail – 3.0%		
1-800-Flowers.com, Inc., Class A (A)	4,613	119,938
Amazon.com, Inc. (A)	67,349	219,350,979
Booking Holdings, Inc. (A)	6,464	14,397,073
CarParts.com, Inc. (A)(B)	6,437	79,754
Delivery Hero SE (A)(B)(C)	24,322	3,803,691
eBay, Inc.	103,276	5,189,619
Etsy, Inc. (A)	19,872	3,535,428
Expedia Group, Inc.	21,737	2,877,979
Groupon, Inc. (A)	4,381	166,456
GrubHub, Inc. (A)	29,805	2,213,617
HelloFresh SE (A)(B)	27,772	2,148,223
Just Eat Takeaway.com NV (A)(C)	23,756	2,678,558
Lands' End, Inc. (A)	2,189	47,217
Liquidity Services, Inc. (A)	5,563	88,507
Magnite, Inc. (A)	19,925	611,897
Mercari, Inc. (A)	16,100	713,693
Ocado Group PLC (A)	91,360	2,856,838
Overstock.com, Inc. (A)(B)	7,944	381,074
PetMed Express, Inc. (B)	3,665	117,500
Prosus NV (A)	91,592	9,889,983
Quotient Technology, Inc. (A)	16,329	153,819
Rakuten, Inc.	161,705	1,556,060
Shutterstock, Inc.	4,065	291,461
Stamps.com, Inc. (A)	3,158	619,568
Stitch Fix, Inc., Class A (A)	11,182	656,607
The RealReal, Inc. (A)	11,836	231,275
Waitr Holdings, Inc. (A)(B)	16,257	45,194
Zalando SE (A)(B)(C)	28,745	3,197,348
ZOZO, Inc.	20,500	505,003
		278,524,359
Leisure products – 0.2%		
Acushnet Holdings Corp.	6,250	253,375
American Outdoor Brands, Inc. (A)	2,829	48,178
Bandai Namco Holdings, Inc.	37,593	3,255,582
Brunswick Corp.	25,180	1,919,723
Callaway Golf Company	17,346	416,477
Clarus Corp.	4,663	71,810
Escalade, Inc.	2,139	45,283
Hasbro, Inc.	20,412	1,909,338
Johnson Outdoors, Inc., Class A	993	111,842
Malibu Boats, Inc., Class A (A)	3,834	239,395
MasterCraft Boat Holdings, Inc. (A)	3,574	88,778
Mattel, Inc. (A)	112,045	1,955,185
Nautilus, Inc. (A)	5,560	100,858
Polaris, Inc.	18,623	1,774,399
Sega Sammy Holdings, Inc.	32,536	513,609
Shimano, Inc.	13,981	3,272,655
Smith & Wesson Brands, Inc.	10,083	178,973
Sturm Ruger & Company, Inc.	3,086	200,806

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Leisure products (continued)		
Vista Outdoor, Inc. (A)	10,827	\$ 257,250
Yamaha Corp.	25,173	1,483,301
YETI Holdings, Inc. (A)	14,820	1,014,725
		19,111,542
Multiline retail – 0.5%		
Big Lots, Inc.	7,256	311,500
Dillard's, Inc., Class A (B)	1,397	88,081
Dollar General Corp.	38,663	8,130,829
Dollar Tree, Inc. (A)	37,077	4,005,799
Kohl's Corp.	50,625	2,059,931
Macy's, Inc.	58,073	653,321
Marui Group Company, Ltd.	35,741	629,399
Next PLC (A)	24,984	2,409,112
Nordstrom, Inc. (B)	35,023	1,093,068
Ollie's Bargain Outlet Holdings, Inc. (A)	18,209	1,488,950
Pan Pacific International Holdings Corp.	77,400	1,788,227
Ryohin Keikaku Company, Ltd.	44,860	918,039
Target Corp.	79,038	13,952,578
Wesfarmers, Ltd.	213,077	8,281,687
		45,810,521
Specialty retail – 1.8%		
ABC-Mart, Inc.	6,164	342,733
Abercrombie & Fitch Company, Class A	11,620	236,583
Academy Sports & Outdoors, Inc. (A)	2,890	59,910
Advance Auto Parts, Inc.	10,464	1,648,185
American Eagle Outfitters, Inc.	75,879	1,522,892
America's Car-Mart, Inc. (A)	1,179	129,501
Asbury Automotive Group, Inc. (A)	3,570	520,292
At Home Group, Inc. (A)	10,017	154,863
AutoNation, Inc. (A)	18,874	1,317,216
AutoZone, Inc. (A)	3,651	4,328,041
Bed Bath & Beyond, Inc. (B)	23,545	418,159
Best Buy Company, Inc.	35,949	3,587,351
Boot Barn Holdings, Inc. (A)	5,324	230,849
Caleres, Inc.	7,109	111,256
Camping World Holdings, Inc., Class A (B)	6,107	159,087
CarMax, Inc. (A)	26,122	2,467,484
Chico's FAS, Inc.	24,598	39,111
Citi Trends, Inc.	1,929	95,833
Conn's, Inc. (A)	3,516	41,102
Designer Brands, Inc., Class A	11,808	90,331
Dick's Sporting Goods, Inc.	21,042	1,182,771
Fast Retailing Company, Ltd.	10,946	9,815,050
Five Below, Inc. (A)	17,957	3,142,116
Foot Locker, Inc.	33,667	1,361,493
GameStop Corp., Class A (A)(B)	10,711	201,795
Genesco, Inc. (A)	2,693	81,032
Group 1 Automotive, Inc.	3,226	423,058
GrowGeneration Corp. (A)(B)	6,764	272,048
Guess?, Inc.	7,524	170,193
Haverty Furniture Companies, Inc.	3,177	87,908
Hennes & Mauritz AB, B Shares (A)	150,972	3,169,214
Hibbett Sports, Inc. (A)	3,076	142,050
Hikari Tsushin, Inc.	3,900	915,072
Industria de Diseno Textil SA	204,991	6,506,375
JD Sports Fashion PLC (A)	82,302	966,905
Kingfisher PLC (A)	396,545	1,465,289
L Brands, Inc.	37,391	1,390,571
Lithia Motors, Inc., Class A	13,201	3,863,537
Lowe's Companies, Inc.	115,670	18,566,192
Lumber Liquidators Holdings, Inc. (A)	5,333	163,936
MarineMax, Inc. (A)	3,827	134,060
Monro, Inc.	6,180	329,394
Murphy USA, Inc.	13,535	1,771,325

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
National Vision Holdings, Inc. (A)	14,961	\$ 677,584
Nitori Holdings Company, Ltd.	15,011	3,138,822
OneWater Marine, Inc., Class A (A)	1,679	48,842
O'Reilly Automotive, Inc. (A)	11,425	5,170,612
Rent-A-Center, Inc.	9,046	346,371
RH (A)	7,935	3,551,071
Ross Stores, Inc.	56,058	6,884,483
Sally Beauty Holdings, Inc. (A)	20,961	273,331
Shimamura Company, Ltd.	4,170	438,162
Shoe Carnival, Inc.	1,791	70,171
Signet Jewelers, Ltd.	9,704	264,628
Sleep Number Corp. (A)	5,035	412,165
Sonic Automotive, Inc., Class A	4,302	165,928
Sportsman's Warehouse Holdings, Inc. (A)	8,045	141,190
The Aaron's Company, Inc. (A)	6,223	117,988
The Buckle, Inc. (B)	5,376	156,979
The Cato Corp., Class A	4,518	43,328
The Children's Place, Inc. (A)(B)	2,667	133,617
The Container Store Group, Inc. (A)	3,794	36,195
The Gap, Inc.	32,913	664,513
The Home Depot, Inc.	170,017	45,159,916
The Michaels Companies, Inc. (A)(B)	13,862	180,345
The ODP Corp.	9,693	284,005
The TJX Companies, Inc.	189,312	12,928,116
Tiffany & Company	17,302	2,274,348
Tilly's, Inc., Class A	4,622	37,716
Tractor Supply Company	18,617	2,617,178
Ulta Beauty, Inc. (A)	9,022	2,590,758
Urban Outfitters, Inc. (A)	34,892	893,235
USS Company, Ltd.	41,248	834,072
Williams-Sonoma, Inc.	24,619	2,507,199
Winmark Corp.	576	107,021
Yamada Holdings Company, Ltd.	136,208	723,676
Zumiez, Inc. (A)	3,923	144,288
		167,640,016
Textiles, apparel and luxury goods – 1.5%		
adidas AG (A)	35,779	13,016,569
Burberry Group PLC (A)	76,054	1,857,247
Carter's, Inc.	13,952	1,312,465
Cie Financiere Richemont SA, A Shares	98,095	8,862,095
Columbia Sportswear Company	9,828	858,771
Crocs, Inc. (A)	12,343	773,412
Deckers Outdoor Corp. (A)	14,214	4,076,291
EssilorLuxottica SA	53,448	8,329,037
Fossil Group, Inc. (A)	8,863	76,842
G-III Apparel Group, Ltd. (A)	8,192	194,478
Hanesbrands, Inc.	55,769	813,112
Hermes International (B)	5,952	6,400,055
Kering SA	14,238	10,332,993
Kontoor Brands, Inc.	9,548	387,267
Lakeland Industries, Inc. (A)(B)	1,635	44,554
LVMH Moet Hennessy Louis Vuitton SE	52,170	32,658,470
Moncler SpA (A)	36,412	2,238,632
Movado Group, Inc. (A)	3,216	53,450
NIKE, Inc., Class B	198,012	28,012,758
Oxford Industries, Inc.	3,061	200,526
Pandora A/S	18,792	2,103,159
Puma SE (A)(B)	18,423	2,073,083
PVH Corp.	11,362	1,066,778
Ralph Lauren Corp.	7,714	800,250
Rocky Brands, Inc.	1,526	42,835
Skechers USA, Inc., Class A (A)	43,547	1,565,079
Steven Madden, Ltd.	15,258	538,913
Superior Group of Companies, Inc.	2,114	49,129
Tapstry, Inc.	44,248	1,375,228

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Textiles, apparel and luxury goods (continued)		
The Swatch Group AG	9,890	\$ 521,915
The Swatch Group AG, Bearer Shares	5,437	1,478,011
Under Armour, Inc., Class A (A)	30,196	518,465
Under Armour, Inc., Class C (A)	31,151	463,527
Unifi, Inc. (A)	2,806	49,778
Vera Bradley, Inc. (A)	4,309	34,300
VF Corp.	50,041	4,274,002
Wolverine World Wide, Inc.	14,742	460,688
		137,914,164
		1,153,012,067
Consumer staples – 7.3%		
Beverages – 1.6%		
Anheuser-Busch InBev SA/NV	143,189	9,989,822
Asahi Group Holdings, Ltd.	85,281	3,512,059
Brown-Forman Corp., Class B	29,237	2,322,295
Budweiser Brewing Company APAC, Ltd. (C)	323,500	1,068,629
Carlsberg A/S, Class B	19,358	3,103,327
Celsius Holdings, Inc. (A)	6,603	332,197
Coca-Cola Amatil, Ltd.	95,239	948,972
Coca-Cola Bottlers Japan Holdings, Inc.	23,300	363,953
Coca-Cola Consolidated, Inc.	882	234,850
Coca-Cola European Partners PLC	38,358	1,911,379
Coca-Cola HBC AG (A)	37,635	1,218,736
Constellation Brands, Inc., Class A	26,913	5,895,293
Davide Campari-Milano NV (B)	109,143	1,251,033
Diageo PLC	439,258	17,380,897
Heineken Holding NV	21,651	2,031,563
Heineken NV	48,710	5,421,888
Ito En, Ltd.	10,100	639,553
Kirin Holdings Company, Ltd. (B)	154,592	3,650,380
MGP Ingredients, Inc.	2,436	114,638
Molson Coors Beverage Company, Class B	30,121	1,361,168
Monster Beverage Corp. (A)	58,040	5,367,539
National Beverage Corp. (B)	2,198	186,610
NewAge, Inc. (A)	18,553	48,794
PepsiCo, Inc.	218,335	32,379,081
Pernod Ricard SA	39,370	7,560,869
Primo Water Corp.	28,991	454,579
Remy Cointreau SA	4,241	791,607
Suntory Beverage & Food, Ltd.	26,159	926,535
The Boston Beer Company, Inc., Class A (A)	2,942	2,925,201
The Coca-Cola Company	610,874	33,500,330
Treasury Wine Estates, Ltd.	135,499	980,178
		147,873,955
Food and staples retailing – 1.3%		
Aeon Company, Ltd.	122,878	4,031,179
BJ's Wholesale Club Holdings, Inc. (A)	69,499	2,590,923
Carrefour SA	115,237	1,973,366
Casey's General Stores, Inc.	11,847	2,116,111
Coles Group, Ltd.	250,675	3,502,287
Cosmos Pharmaceutical Corp.	3,800	613,615
Costco Wholesale Corp.	69,677	26,252,900
Etablissements Franz Colruyt NV	10,406	614,688
Grocery Outlet Holding Corp. (A)	27,536	1,080,788
HF Foods Group, Inc. (A)(B)	7,041	52,948
ICA Gruppen AB (B)	18,900	945,391
Ingles Markets, Inc., Class A	2,723	116,163
J Sainsbury PLC	334,263	1,027,427
Jeronimo Martins SGPS SA	47,303	795,150
Kesko OYJ, B Shares	51,329	1,317,441
Kobe Bussan Company, Ltd.	23,100	709,747
Koninklijke Ahold Delhaize NV	206,851	5,835,541

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food and staples retailing (continued)		
Lawson, Inc.	9,389	\$ 436,927
Performance Food Group Company (A)	24,318	1,157,780
PriceSmart, Inc.	4,252	387,315
Rite Aid Corp. (A)(B)	10,273	162,622
Seven & i Holdings Company, Ltd.	141,629	5,015,163
SpartanNash Company	6,624	115,324
Sprouts Farmers Market, Inc. (A)	38,095	765,710
Sundrug Company, Ltd.	13,492	539,233
Sysco Corp.	80,127	5,950,231
Tesco PLC	1,840,399	5,807,870
The Andersons, Inc.	5,860	143,629
The Chefs' Warehouse, Inc. (A)	5,692	146,227
The Kroger Company	121,433	3,856,712
Tsuruha Holdings, Inc.	6,998	995,142
United Natural Foods, Inc. (A)	10,147	162,048
Village Super Market, Inc., Class A	2,262	49,900
Walgreens Boots Alliance, Inc.	112,774	4,497,427
Walmart, Inc.	218,998	31,568,562
Weis Markets, Inc.	1,773	84,767
Welcia Holdings Company, Ltd.	17,700	667,686
Wm Morrison Supermarkets PLC	452,546	1,095,028
Woolworths Group, Ltd.	237,363	7,194,576
		124,375,544
Food products – 1.8%		
a2 Milk Company, Ltd. (A)	139,485	1,213,167
Ajinomoto Company, Inc.	87,696	1,987,167
Alico, Inc.	1,446	44,855
Archer-Daniels-Midland Company	87,004	4,385,872
Associated British Foods PLC (A)	66,948	2,066,998
B&G Foods, Inc. (B)	11,799	327,186
Barry Callebaut AG	567	1,351,234
Calavo Growers, Inc.	3,106	215,650
Calbee, Inc.	16,400	494,370
Cal-Maine Foods, Inc. (A)	6,669	250,354
Campbell Soup Company	32,429	1,567,942
Chocoladefabriken Lindt & Spruengli AG	19	1,908,375
Chocoladefabriken Lindt & Spruengli AG, Participation Certificates	193	1,881,217
Conagra Brands, Inc.	78,245	2,837,164
Danone SA	116,129	7,642,002
Darling Ingredients, Inc. (A)	81,927	4,725,549
Flowers Foods, Inc.	62,991	1,425,486
Fresh Del Monte Produce, Inc.	5,847	140,737
Freshpet, Inc. (A)	7,215	1,024,458
General Mills, Inc.	96,189	5,655,913
Hormel Foods Corp.	44,946	2,094,933
Hostess Brands, Inc. (A)	22,847	334,480
Ingredion, Inc.	21,473	1,689,281
J&J Snack Foods Corp.	2,794	434,104
JDE Peet's NV (A)	14,086	638,946
John B. Sanfilippo & Son, Inc.	1,672	131,854
Kellogg Company	40,648	2,529,525
Kerry Group PLC, Class A	28,675	4,164,855
Kerry Group PLC, Class A (London Stock Exchange)	1,204	173,720
Kikkoman Corp.	27,346	1,903,198
Lamb Weston Holdings, Inc.	23,277	1,832,831
Lancaster Colony Corp.	9,828	1,805,698
Landec Corp. (A)	5,582	60,565
Limoneira Company	3,923	65,318
McCormick & Company, Inc.	39,707	3,795,989
MEIJI Holdings Company, Ltd.	21,500	1,513,164
Mondelez International, Inc., Class A	225,893	13,207,964
Mowi ASA	82,599	1,844,200
Nestle SA	541,403	63,999,934

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food products (continued)		
NH Foods, Ltd.	15,441	\$ 680,090
Nisshin Seifun Group, Inc.	37,200	592,586
Nissin Foods Holdings Company, Ltd.	11,875	1,017,871
Orkla ASA	141,141	1,432,925
Pilgrim's Pride Corp. (A)	15,764	309,132
Post Holdings, Inc. (A)	19,686	1,988,483
Sanderson Farms, Inc.	10,146	1,341,301
Seneca Foods Corp., Class A (A)	1,413	56,379
The Hain Celestial Group, Inc. (A)	26,517	1,064,658
The Hershey Company	22,958	3,497,192
The J.M. Smucker Company	18,272	2,112,243
The Kraft Heinz Company	100,935	3,498,407
The Simply Good Foods Company (A)	15,933	499,659
Tootsie Roll Industries, Inc. (B)	8,727	259,192
Toyo Suisan Kaisha, Ltd.	16,650	810,305
TreeHouse Foods, Inc. (A)	18,250	775,443
Tyson Foods, Inc., Class A	45,626	2,940,139
Vital Farms, Inc. (A)	1,935	48,975
WH Group, Ltd. (C)	1,799,500	1,508,974
Wilmar International, Ltd.	361,003	1,271,029
Yakult Honsha Company, Ltd.	24,103	1,215,559
Yamazaki Baking Company, Ltd. (B)	22,790	380,626
		170,667,423
Household products – 1.1%		
Central Garden & Pet Company (A)	3,033	117,104
Central Garden & Pet Company, Class A (A)	6,025	218,888
Church & Dwight Company, Inc.	39,614	3,455,529
Colgate-Palmolive Company	135,341	11,573,009
Energizer Holdings, Inc.	18,811	793,448
Essity AB, B Shares	114,366	3,684,777
Henkel AG & Company KGaA	19,529	1,881,825
Kimberly-Clark Corp.	53,696	7,239,832
Lion Corp.	42,200	1,022,285
Oil-Dri Corp. of America	1,393	47,473
Pigeon Corp. (B)	21,700	895,618
Reckitt Benckiser Group PLC	133,656	11,929,367
The Clorox Company	19,734	3,984,689
The Procter & Gamble Company	391,730	54,505,312
Unicharm Corp.	75,800	3,594,890
WD-40 Company	2,530	672,170
		105,616,216
Personal products – 0.8%		
Beiersdorf AG	18,942	2,177,565
BellRing Brands, Inc., Class A (A)	7,467	181,523
Coty, Inc., Class A	91,433	641,860
Edgewell Personal Care Company	27,683	957,278
elf Beauty, Inc. (A)	8,515	214,493
Inter Parfums, Inc.	3,351	202,702
Kao Corp.	90,575	6,997,477
Kobayashi Pharmaceutical Company, Ltd.	9,300	1,136,705
Kose Corp.	6,300	1,076,544
Lifefantage Corp. (A)	3,180	29,638
L'Oreal SA	47,295	18,045,501
Medifast, Inc.	2,103	412,903
Nature's Sunshine Products, Inc. (A)	2,200	32,890
Nu Skin Enterprises, Inc., Class A	16,346	892,982
Pola Orbis Holdings, Inc. (B)	17,272	350,735
Shiseido Company, Ltd.	75,160	5,202,892
The Estee Lauder Companies, Inc., Class A	35,752	9,516,825
Unilever PLC	213,583	12,809,356
Unilever PLC (London Stock Exchange)	280,510	16,985,185
USANA Health Sciences, Inc. (A)	2,171	167,384

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Personal products (continued)		
Veru, Inc. (A)	11,259	\$ 97,390
		78,129,828
Tobacco – 0.7%		
Altria Group, Inc.	293,455	12,031,655
British American Tobacco PLC	431,135	16,011,004
Imperial Brands PLC	177,851	3,730,350
Japan Tobacco, Inc.	225,466	4,596,609
Philip Morris International, Inc.	245,991	20,365,595
Swedish Match AB	30,481	2,372,054
Turning Point Brands, Inc.	2,256	100,527
Universal Corp.	4,551	221,224
Vector Group, Ltd.	26,065	303,657
		59,732,675
		686,395,641
Energy – 2.4%		
Energy equipment and services – 0.2%		
Archrock, Inc.	24,105	208,749
Aspen Aerogels, Inc. (A)	4,222	70,465
Baker Hughes Company	109,702	2,287,287
Bristow Group, Inc. (A)	1,234	32,479
Cactus, Inc., Class A	8,874	231,345
ChampionX Corp. (A)	94,573	1,446,967
DMC Global, Inc.	2,771	119,846
Dril-Quip, Inc. (A)	6,488	192,175
Frank's International NV (A)	30,380	83,241
Halliburton Company	140,715	2,659,514
Helix Energy Solutions Group, Inc. (A)	26,740	112,308
Liberty Oilfield Services, Inc., Class A	13,797	142,247
Matrix Service Company (A)	5,553	61,194
Nabors Industries, Ltd.	1,346	78,378
National Energy Services Reunited Corp. (A)	3,838	38,111
National Oilwell Varco, Inc.	62,196	853,951
Newpark Resources, Inc. (A)	18,907	36,301
NexTier Oilfield Solutions, Inc. (A)	30,885	106,244
Oceaneering International, Inc. (A)	18,911	150,342
Oil States International, Inc. (A)	11,972	60,099
Patterson-UTI Energy, Inc.	34,585	181,917
ProPetro Holding Corp. (A)	15,177	112,158
RPC, Inc. (A)	11,302	35,601
Schlumberger NV	218,043	4,759,879
Select Energy Services, Inc., Class A (A)	12,080	49,528
Solaris Oilfield Infrastructure, Inc., Class A	6,348	51,673
TechnipFMC PLC	67,654	635,948
Tenaris SA	88,735	719,085
Tidewater, Inc. (A)	8,037	69,440
Transocean, Ltd. (A)(B)	109,217	252,291
U.S. Silica Holdings, Inc.	14,496	101,762
		15,940,525
Oil, gas and consumable fuels – 2.2%		
Ampol, Ltd.	46,925	1,029,001
Antero Midstream Corp.	92,362	712,111
Antero Resources Corp. (A)(B)	45,424	247,561
Apache Corp.	60,462	857,956
Arch Resources, Inc.	2,852	124,832
Berry Corp.	15,424	56,760
Bonanza Creek Energy, Inc. (A)	3,800	73,454
BP PLC	3,807,976	13,140,342
Brigham Minerals, Inc., Class A	8,617	94,701
Cabot Oil & Gas Corp.	63,843	1,039,364
Chevron Corp.	304,496	25,714,687
Cimarex Energy Company	32,637	1,224,214
Clean Energy Fuels Corp. (A)	24,490	192,491
CNX Resources Corp. (A)	114,072	1,231,978

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Concho Resources, Inc.	31,508	\$ 1,838,492
ConocoPhillips	168,485	6,737,715
CONSOL Energy, Inc. (A)	5,405	38,970
Contango Oil & Gas Company (A)	19,840	45,434
CVR Energy, Inc.	5,623	83,783
Delek US Holdings, Inc.	11,803	189,674
Devon Energy Corp.	61,317	969,422
DHT Holdings, Inc.	19,992	104,558
Diamond S Shipping, Inc. (A)	5,479	36,490
Diamondback Energy, Inc.	25,280	1,223,552
Dorian LPG, Ltd. (A)	7,011	85,464
ENEOS Holdings, Inc.	576,711	2,071,374
Energy Fuels, Inc. (A)(B)	25,800	109,908
Eni SpA	478,063	4,990,838
EOG Resources, Inc.	91,398	4,558,018
EQT Corp.	88,060	1,119,243
Equinor ASA	183,658	3,099,500
Equitrans Midstream Corp.	131,303	1,055,676
Exxon Mobil Corp.	668,365	27,550,005
Frontline, Ltd. (B)	21,632	134,551
Galp Energia SGPS SA	94,198	998,159
Golar LNG, Ltd. (A)	17,226	166,059
Green Plains, Inc. (A)	6,521	85,882
Hess Corp.	42,050	2,219,820
HollyFrontier Corp.	23,875	617,169
Idemitsu Kosan Company, Ltd.	36,386	801,106
Inpex Corp.	192,341	1,037,162
International Seaways, Inc.	4,523	73,861
Kinder Morgan, Inc.	305,078	4,170,416
Koninklijke Vopak NV	13,213	693,144
Kosmos Energy, Ltd.	77,431	181,963
Lundin Energy AB (B)	34,925	946,560
Magnolia Oil & Gas Corp., Class A (A)	24,046	169,765
Marathon Oil Corp.	126,446	843,395
Marathon Petroleum Corp.	101,868	4,213,260
Matador Resources Company (A)	20,858	251,547
Murphy Oil Corp.	46,635	564,284
Neste OYJ (B)	79,503	5,772,216
Nordic American Tankers, Ltd. (B)	27,278	80,470
Occidental Petroleum Corp.	134,091	2,321,115
Oil Search, Ltd.	370,946	1,063,107
OMV AG	27,675	1,105,425
ONEOK, Inc.	71,154	2,730,891
Origin Energy, Ltd.	330,966	1,215,098
Overseas Shipholding Group, Inc., Class A (A)	14,323	30,651
Ovintiv, Inc.	48,945	702,850
Par Pacific Holdings, Inc. (A)	7,726	108,009
PBF Energy, Inc., Class A	18,415	130,747
PDC Energy, Inc. (A)	18,848	386,949
Penn Virginia Corp. (A)	3,018	30,633
Phillips 66	68,490	4,790,191
Pioneer Natural Resources Company	25,473	2,901,120
Range Resources Corp. (A)	40,255	269,709
Renewable Energy Group, Inc. (A)	7,086	501,831
Repsol SA	275,069	2,771,077
REX American Resources Corp. (A)	1,058	77,731
Royal Dutch Shell PLC, A Shares	770,724	13,515,717
Royal Dutch Shell PLC, B Shares	696,462	11,804,133
Santos, Ltd.	332,736	1,611,343
Scorpio Tankers, Inc. (B)	9,552	106,887
SFL Corp., Ltd.	18,030	113,228
SM Energy Company	21,821	133,545
Southwestern Energy Company (A)	120,274	358,417
Tellurian, Inc. (A)(B)	36,306	46,472

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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)		
The Williams Companies, Inc.	189,868	\$ 3,806,853
TOTAL SE	473,650	20,443,775
Uranium Energy Corp. (A)(B)	39,732	69,928
Valero Energy Corp.	63,587	3,597,117
W&T Offshore, Inc. (A)(B)	20,623	44,752
Washington H. Soul Pattinson & Company, Ltd. (B)	20,244	470,914
Woodside Petroleum, Ltd.	179,346	3,146,743
World Fuel Services Corp.	32,140	1,001,482
WPX Energy, Inc. (A)	128,869	1,050,282
		208,127,079
		224,067,604
Financials – 12.5%		
Banks – 5.3%		
1st Source Corp.	3,101	124,970
ABN AMRO Bank NV (C)	79,491	778,923
ACNB Corp.	1,708	42,700
Allegiance Bancshares, Inc.	3,733	127,407
Altabancorp	2,882	80,465
Amalgamated Bank, Class A	3,216	44,188
Amerant Bancorp, Inc. (A)	3,738	56,818
American National Bankshares, Inc.	2,657	69,640
Ameris Bancorp	12,385	471,497
Ames National Corp.	2,679	64,350
Arrow Financial Corp.	2,306	68,972
Associated Banc-Corp.	49,639	846,345
Atlantic Capital Bancshares, Inc. (A)	4,470	71,162
Atlantic Union Bankshares Corp.	14,427	475,225
Australia & New Zealand Banking Group, Ltd.	532,979	9,352,785
Banc of California, Inc.	8,602	126,535
BancFirst Corp.	3,557	208,796
Banco Bilbao Vizcaya Argentaria SA	1,253,040	6,210,821
Banco Espirito Santo SA (A)	625,609	1,000
Banco Santander SA (A)	3,258,680	10,161,668
BancorpSouth Bank	49,394	1,355,371
Bank First Corp.	1,098	71,172
Bank Hapoalim BM (A)	213,387	1,465,593
Bank Leumi Le-Israel BM	273,025	1,611,600
Bank of America Corp.	1,202,009	36,432,893
Bank of Hawaii Corp.	12,936	991,156
Bank of Marin Bancorp	2,308	79,257
Bank OZK	38,627	1,207,866
BankFinancial Corp.	3,922	34,435
BankUnited, Inc.	16,845	585,869
Bankwell Financial Group, Inc.	1,630	31,867
Banner Corp.	6,550	305,165
Banque Cantonale Vaudoise	5,661	616,192
Bar Harbor Bankshares	2,546	57,514
Barclays PLC	3,259,963	6,539,791
BayCom Corp. (A)	2,960	44,903
BCB Bancorp, Inc.	4,395	48,653
Berkshire Hills Bancorp, Inc.	8,773	150,194
BNP Paribas SA (A)	211,378	11,159,108
BOC Hong Kong Holdings, Ltd.	695,241	2,107,431
Boston Private Financial Holdings, Inc.	15,774	133,290
Bridge Bancorp, Inc.	3,401	82,236
Brookline Bancorp, Inc.	14,790	178,072
Bryn Mawr Bank Corp.	3,984	121,890
Business First Bancshares, Inc.	2,940	59,858
Byline Bancorp, Inc.	4,921	76,029
C&F Financial Corp.	1,057	39,225
Cadence Bancorp	23,011	377,841
CaixaBank SA	674,421	1,733,447
Cambridge Bancorp	1,352	94,302

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Camden National Corp.	3,027	\$ 108,306
Capital Bancorp, Inc. (A)	2,716	37,834
Capstar Financial Holdings, Inc.	3,815	56,271
Carter Bankshares, Inc.	5,398	57,867
Cathay General Bancorp	38,093	1,226,214
CBTX, Inc.	3,551	90,586
Central Pacific Financial Corp.	5,483	104,232
Central Valley Community Bancorp	2,277	33,905
Century Bancorp, Inc., Class A	744	57,556
Chemung Financial Corp.	1,153	39,144
ChoiceOne Financial Services, Inc.	1,629	50,189
CIT Group, Inc.	50,024	1,795,862
Citigroup, Inc.	328,628	20,263,202
Citizens & Northern Corp.	3,503	69,500
Citizens Financial Group, Inc.	65,588	2,345,427
City Holding Company	2,943	204,686
Civista Bancshares, Inc.	3,700	64,861
CNB Financial Corp.	3,270	69,618
Coastal Financial Corp. (A)	2,351	49,371
Columbia Banking System, Inc.	13,266	476,249
Comerica, Inc.	22,271	1,244,058
Commerce Bancshares, Inc.	33,815	2,221,652
Commerzbank AG (A)(B)	188,279	1,216,747
Commonwealth Bank of Australia	332,667	21,144,977
Community Bank System, Inc.	9,650	601,292
Community Bankers Trust Corp.	6,505	43,909
Community Trust Bancorp, Inc.	3,081	114,151
Concordia Financial Group, Ltd.	193,246	681,690
ConnectOne Bancorp, Inc.	7,070	139,915
County Bancorp, Inc.	1,591	35,129
Credit Agricole SA (A)	216,837	2,741,236
CrossFirst Bankshares, Inc. (A)	9,694	104,211
Cullen/Frost Bankers, Inc.	18,024	1,572,234
Customers Bancorp, Inc. (A)	5,351	97,281
CVB Financial Corp.	23,696	462,072
Danske Bank A/S (A)	129,621	2,142,299
DBS Group Holdings, Ltd.	337,283	6,391,759
Dime Community Bancshares, Inc.	5,682	89,605
DNB ASA	178,183	3,491,604
Eagle Bancorp Montana, Inc.	1,987	42,164
Eagle Bancorp, Inc.	6,062	250,361
East West Bancorp, Inc.	45,381	2,301,271
Eastern Bankshares, Inc. (A)	28,828	470,185
Enterprise Financial Services Corp.	4,515	157,799
Equity Bancshares, Inc., Class A (A)	3,249	70,146
Erste Group Bank AG	52,499	1,599,262
Esquire Financial Holdings, Inc. (A)	2,141	41,086
Evans Bancorp, Inc.	1,487	40,952
Farmers & Merchants Bancorp, Inc.	1,570	36,110
Farmers National Banc Corp.	4,801	63,709
FB Financial Corp.	5,809	201,747
Fidelity D&D Bancorp, Inc.	741	47,691
Fifth Third Bancorp	110,479	3,045,906
Financial Institutions, Inc.	3,375	75,938
FinecoBank Banca Fineco SpA (A)(B)	114,547	1,889,111
First Bancorp (North Carolina)	5,387	182,242
First Bancorp (Puerto Rico)	40,052	369,279
First Busey Corp.	9,394	202,441
First Capital, Inc. (B)	595	36,033
First Choice Bancorp	2,751	50,866
First Commonwealth Financial Corp.	18,223	199,360
First Community Bankshares, Inc.	3,086	66,596
First Community Corp.	2,212	37,582
First Financial Bancorp	18,154	318,240
First Financial Bankshares, Inc.	69,491	2,513,837

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
First Financial Corp.	2,738	\$ 106,371
First Foundation, Inc.	7,551	151,020
First Horizon Corp.	178,704	2,280,263
First Internet Bancorp	2,052	58,974
First Interstate BancSystem, Inc., Class A	7,601	309,893
First Merchants Corp.	9,989	373,688
First Mid Bancshares, Inc.	2,587	87,078
First Midwest Bancorp, Inc.	21,376	340,306
First Republic Bank	27,570	4,050,860
Flushing Financial Corp.	5,388	89,656
FNB Corp.	102,895	977,503
Fukuoka Financial Group, Inc.	32,320	576,102
Fulton Financial Corp.	81,515	1,036,871
German American Bancorp, Inc.	3,752	124,154
Glacier Bancorp, Inc.	48,368	2,225,412
Great Southern Bancorp, Inc.	2,172	106,211
Great Western Bancorp, Inc.	10,689	223,400
Guaranty Bancshares, Inc.	1,903	56,995
Hancock Whitney Corp.	43,803	1,490,178
Hang Seng Bank, Ltd.	143,690	2,479,808
Hanmi Financial Corp.	6,567	74,470
HarborOne Bancorp, Inc.	10,574	114,834
HBT Financial, Inc.	2,619	39,678
Heartland Financial USA, Inc.	6,542	264,101
Heritage Commerce Corp.	11,849	105,101
Heritage Financial Corp.	6,910	161,625
Hilltop Holdings, Inc.	13,254	364,618
Home BancShares, Inc.	77,208	1,504,012
HomeTrust Bancshares, Inc.	3,611	69,728
Hope Bancorp, Inc.	22,062	240,696
Horizon Bancorp, Inc.	8,287	131,432
Howard Bancorp, Inc. (A)	2,868	33,871
HSBC Holdings PLC	3,827,409	19,769,483
Huntington Bancshares, Inc.	162,958	2,058,160
Independent Bank Corp. (Massachusetts)	6,088	444,668
Independent Bank Corp. (Michigan)	4,467	82,505
Independent Bank Group, Inc.	6,895	431,075
ING Groep NV (A)	733,013	6,815,437
International Bancshares Corp.	27,781	1,040,121
Intesa Sanpaolo SpA (A)	3,107,601	7,345,489
Investar Holding Corp.	2,770	45,816
Investors Bancorp, Inc.	41,784	441,239
Israel Discount Bank, Ltd., Class A	218,735	844,549
Japan Post Bank Company, Ltd.	76,100	625,513
JPMorgan Chase & Co.	481,421	61,174,166
KBC Group NV (A)	46,950	3,285,615
KeyCorp	150,098	2,463,108
Lakeland Bancorp, Inc.	9,509	120,764
Lakeland Financial Corp.	4,567	244,700
LCNB Corp.	2,421	35,564
Level One Bancorp, Inc.	1,632	33,015
Live Oak Bancshares, Inc.	5,236	248,501
Lloyds Banking Group PLC (A)	13,302,631	6,632,133
M&T Bank Corp.	20,548	2,615,760
Macatawa Bank Corp.	7,674	64,231
MainStreet Bancshares, Inc. (A)	2,253	38,098
Mediobanca Banca di Credito Finanziario SpA (A)	116,707	1,080,337
Mercantile Bank Corp.	3,360	91,291
Meridian Corp.	1,816	37,773
Metrocity Bankshares, Inc. (B)	2,890	41,674
Metropolitan Bank Holding Corp. (A)	1,630	59,120
Middlefield Banc Corp.	1,274	28,665
Midland States Bancorp, Inc.	4,433	79,218
MidWestOne Financial Group, Inc.	3,245	79,503

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Mitsubishi UFJ Financial Group, Inc.	2,297,168	\$ 10,170,982
Mizrahi Tefahot Bank, Ltd.	26,359	611,463
Mizuho Financial Group, Inc.	453,350	5,753,999
MVB Financial Corp.	2,312	52,436
National Australia Bank, Ltd.	618,279	10,778,975
National Bank Holdings Corp., Class A	5,525	180,999
National Bankshares, Inc.	1,772	55,481
Natwest Group PLC (A)	911,424	2,083,501
NBT Bancorp, Inc.	8,078	259,304
Nicolet Bankshares, Inc. (A)	1,865	123,743
Nordea Bank ABP	608,862	4,989,861
Northeast Bank	1,965	44,252
Northrim BanCorp, Inc.	1,675	56,866
OceanFirst Financial Corp.	11,263	209,830
OFG Bancorp	9,514	176,390
Old National Bancorp	29,877	494,763
Old Second Bancorp, Inc.	6,583	66,488
Origin Bancorp, Inc.	4,334	120,355
Oversea-Chinese Banking Corp., Ltd.	621,324	4,734,792
Pacific Premier Bancorp, Inc.	15,008	470,201
PacWest Bancorp	37,710	957,834
Park National Corp.	2,685	281,952
Parke Bancorp, Inc.	2,909	45,380
Peapack-Gladstone Financial Corp.	3,782	86,078
Penns Woods Bancorp, Inc.	1,144	29,755
Peoples Bancorp, Inc.	3,816	103,375
Peoples Financial Services Corp.	1,131	41,576
People's United Financial, Inc.	68,038	879,731
Pinnacle Financial Partners, Inc.	24,290	1,564,276
Preferred Bank	2,681	135,310
Premier Financial Bancorp, Inc.	3,388	45,027
Professional Holding Corp., Class A (A)	2,239	34,548
Prosperity Bancshares, Inc.	29,662	2,057,356
QCR Holdings, Inc.	2,962	117,266
Raiffeisen Bank International AG (A)	27,814	565,226
RBB Bancorp	4,011	61,689
Red River Bancshares, Inc.	887	43,951
Regions Financial Corp.	153,800	2,479,256
Reliant Bancorp, Inc.	3,068	57,126
Renasant Corp.	10,162	342,256
Republic Bancorp, Inc., Class A	1,617	58,325
Republic First Bancorp, Inc. (A)	12,091	34,459
Resona Holdings, Inc.	389,446	1,363,360
Richmond Mutual Bancorporation, Inc.	2,626	35,871
S&T Bancorp, Inc.	7,299	181,307
Sandy Spring Bancorp, Inc.	8,503	273,712
SB Financial Group, Inc.	1,982	36,231
Seacoast Banking Corp. of Florida (A)	9,648	284,134
ServisFirst Bancshares, Inc.	9,003	362,731
Shinsei Bank, Ltd.	29,166	360,312
Shore Bancshares, Inc.	3,216	46,954
Sierra Bancorp	3,200	76,544
Signature Bank	17,199	2,326,853
Silvergate Capital Corp., Class A (A)	2,956	219,660
Simmons First National Corp., Class A	19,898	429,598
Skandinaviska Enskilda Banken AB, A Shares (A)	305,845	3,149,434
SmartFinancial, Inc.	3,336	60,515
Societe Generale SA (A)	152,349	3,167,123
South Plains Financial, Inc.	2,430	46,049
South State Corp.	12,917	933,899
Southern First Bancshares, Inc. (A)	1,913	67,625
Southern National Bancorp of Virginia, Inc.	4,836	58,564
Southside Bancshares, Inc.	5,933	184,101

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Spirit of Texas Bancshares, Inc.	3,268	\$ 54,902
Standard Chartered PLC (A)	504,147	3,201,305
Sterling Bancorp	62,080	1,116,198
Stock Yards Bancorp, Inc.	3,874	156,820
Sumitomo Mitsui Financial Group, Inc.	245,258	7,602,544
Sumitomo Mitsui Trust Holdings, Inc.	63,483	1,958,749
Summit Financial Group, Inc.	1,877	41,444
SVB Financial Group (A)	8,291	3,215,499
Svenska Handelsbanken AB, A Shares (A)(B)	292,372	2,947,118
Swedbank AB, A Shares (A)	170,182	2,985,058
Synovus Financial Corp.	47,581	1,540,197
TCF Financial Corp.	49,170	1,820,273
Texas Capital Bancshares, Inc. (A)	25,645	1,525,878
The Bancorp, Inc. (A)	9,823	134,084
The Bank of East Asia, Ltd.	246,399	527,114
The Bank of Kyoto, Ltd.	10,714	558,610
The Bank of NT Butterfield & Son, Ltd.	9,225	287,451
The Chiba Bank, Ltd.	99,564	549,421
The First Bancshares, Inc.	4,063	125,465
The First of Long Island Corp.	4,854	86,644
The PNC Financial Services Group, Inc.	66,773	9,949,177
The Shizuoka Bank, Ltd.	78,308	574,805
Tompkins Financial Corp.	2,687	189,702
Towne Bank	12,390	290,917
TriCo Bancshares	4,971	175,377
TriState Capital Holdings, Inc. (A)	5,490	95,526
Triumph Bancorp, Inc. (A)	4,258	206,726
Truist Financial Corp.	212,325	10,176,737
Trustmark Corp.	32,121	877,225
U.S. Bancorp	216,232	10,074,249
UMB Financial Corp.	21,936	1,513,365
Umpqua Holdings Corp.	71,130	1,076,908
UniCredit SpA (A)	399,409	3,742,221
United Bankshares, Inc.	64,231	2,081,084
United Community Banks, Inc.	14,418	410,048
United Overseas Bank, Ltd.	221,039	3,767,479
Unity Bancorp, Inc.	2,260	39,663
Univest Financial Corp.	5,765	118,644
Valley National Bancorp	202,552	1,974,882
Veritex Holdings, Inc.	8,942	229,452
Washington Trust Bancorp, Inc.	3,315	148,512
Webster Financial Corp.	28,828	1,215,100
Wells Fargo & Company	652,263	19,685,297
WesBanco, Inc.	12,016	359,999
West Bancorporation, Inc.	3,792	73,186
Westamerica Bancorporation	4,973	274,957
Westpac Banking Corp.	678,713	10,100,144
Wintrust Financial Corp.	18,605	1,136,579
Zions Bancorp NA	26,266	1,140,995
		499,124,042
Capital markets – 2.6%		
3i Group PLC	182,868	2,892,409
Affiliated Managers Group, Inc.	14,576	1,482,379
Ameriprise Financial, Inc.	18,624	3,619,202
Amundi SA (A)(C)	11,397	928,877
Artisan Partners Asset Management, Inc., Class A	10,225	514,727
Assetmark Financial Holdings, Inc. (A)	3,156	76,375
ASX, Ltd.	36,381	2,019,037
B Riley Financial, Inc.	3,574	158,042
BGC Partners, Inc., Class A	56,745	226,980
BlackRock, Inc.	22,443	16,193,522
Blucora, Inc. (A)	9,215	146,611
Brightsphere Investment Group, Inc.	11,358	218,982

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Cboe Global Markets, Inc.	17,421	\$ 1,622,244
CME Group, Inc.	56,720	10,325,876
Cohen & Steers, Inc.	4,556	338,511
Cowen, Inc., Class A	4,973	129,248
Credit Suisse Group AG	459,985	5,938,806
Daiwa Securities Group, Inc.	271,408	1,236,218
Deutsche Bank AG (A)	368,974	4,058,339
Deutsche Boerse AG	35,705	6,079,572
Diamond Hill Investment Group, Inc.	628	93,742
Donnelley Financial Solutions, Inc. (A)	5,608	95,168
Eaton Vance Corp.	36,678	2,491,537
Ellington Financial, Inc.	7,618	113,051
EQT AB (B)	44,772	1,136,477
Evercore, Inc., Class A	13,111	1,437,490
FactSet Research Systems, Inc.	12,218	4,062,485
Federated Hermes, Inc.	47,982	1,386,200
Focus Financial Partners, Inc., Class A (A)	5,904	256,824
Franklin Resources, Inc.	42,847	1,070,747
Greenhill & Company, Inc.	3,005	36,481
Hamilton Lane, Inc., Class A	5,832	455,188
Hargreaves Lansdown PLC	62,394	1,299,173
Hong Kong Exchanges & Clearing, Ltd.	226,371	12,416,833
Houlihan Lokey, Inc.	9,486	637,744
Interactive Brokers Group, Inc., Class A	25,964	1,581,727
Intercontinental Exchange, Inc.	88,680	10,223,917
Invesco, Ltd.	60,310	1,051,203
Janus Henderson Group PLC	47,796	1,553,848
Japan Exchange Group, Inc.	95,800	2,447,862
Julius Baer Group, Ltd.	42,059	2,423,082
London Stock Exchange Group PLC	59,440	7,337,066
Macquarie Group, Ltd.	64,538	6,888,746
Magellan Financial Group, Ltd.	24,157	1,000,543
MarketAxess Holdings, Inc.	5,907	3,370,298
Moelis & Company, Class A	9,851	460,633
Moody's Corp.	25,481	7,395,605
Morgan Stanley	225,761	15,471,401
MSCI, Inc.	13,068	5,835,254
Nasdaq, Inc.	18,418	2,444,805
Natixis SA (A)	177,923	609,656
Nomura Holdings, Inc.	590,913	3,124,197
Northern Trust Corp.	33,334	3,104,729
Oppenheimer Holdings, Inc., Class A	1,846	58,020
Partners Group Holding AG	3,512	4,126,745
Piper Sandler Companies	3,230	325,907
PJT Partners, Inc., Class A	4,373	329,068
Raymond James Financial, Inc.	19,554	1,870,731
S&P Global, Inc.	38,022	12,498,972
Safeguard Scientifics, Inc. (A)	6,418	40,947
SBI Holdings, Inc.	44,490	1,058,380
Schroders PLC	23,361	1,065,168
Sculptor Capital Management, Inc.	3,738	56,818
SEI Investments Company	38,567	2,216,445
Silvercrest Asset Management Group, Inc., Class A	2,679	37,211
Singapore Exchange, Ltd.	151,048	1,060,961
St. James's Place PLC	100,888	1,561,149
Standard Life Aberdeen PLC	421,419	1,615,301
State Street Corp.	55,064	4,007,558
StepStone Group, Inc., Class A (A)	3,581	142,524
Stifel Financial Corp.	51,683	2,607,924
StoneX Group, Inc. (A)	3,024	175,090
T. Rowe Price Group, Inc.	35,705	5,405,380
The Bank of New York Mellon Corp.	128,115	5,437,201
The Charles Schwab Corp.	235,347	12,482,805
The Goldman Sachs Group, Inc.	54,345	14,331,320

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
UBS Group AG	688,942	\$ 9,700,187
Virtus Investment Partners, Inc.	1,366	296,422
Waddell & Reed Financial, Inc., Class A	11,523	293,491
WisdomTree Investments, Inc.	26,709	142,893
		244,464,287
Consumer finance – 0.4%		
Acom Company, Ltd.	75,010	320,274
American Express Company	102,972	12,450,345
Capital One Financial Corp.	72,093	7,126,393
Curo Group Holdings Corp.	3,775	54,096
Discover Financial Services	47,944	4,340,370
Encore Capital Group, Inc. (A)	5,769	224,703
Enova International, Inc. (A)	6,426	159,172
EZCORP, Inc., Class A (A)	10,139	48,566
FirstCash, Inc.	20,994	1,470,420
Green Dot Corp., Class A (A)	9,500	530,100
LendingClub Corp. (A)	13,459	142,127
LendingTree, Inc. (A)	3,499	957,991
Navient Corp.	93,611	919,260
Nelnet, Inc., Class A	3,182	226,686
Oportun Financial Corp. (A)	3,800	73,606
PRA Group, Inc. (A)	8,440	334,730
PROG Holdings, Inc. (A)	34,166	1,840,522
Regional Management Corp.	1,733	51,747
SLM Corp.	120,129	1,488,398
Synchrony Financial	83,977	2,914,842
World Acceptance Corp. (A)(B)	843	86,171
		35,760,519
Diversified financial services – 1.0%		
Alerus Financial Corp.	2,684	73,461
A-Mark Precious Metals, Inc.	1,024	26,266
AMP, Ltd.	645,813	776,088
Banco Latinoamericano de Comercio Exterior SA, Class E	5,868	92,890
Berkshire Hathaway, Inc., Class B (A)	307,403	71,277,534
Cannae Holdings, Inc. (A)	15,986	707,700
Eurazeo SE (A)	7,388	502,013
EXOR NV	20,380	1,655,408
Groupe Bruxelles Lambert SA	21,226	2,139,454
Industrivarden AB, A Shares (A)	20,085	669,176
Industrivarden AB, C Shares (A)	30,004	969,797
Investor AB, B Shares	85,595	6,229,889
Jefferies Financial Group, Inc.	66,486	1,635,556
Kinnevik AB, B Shares (A)	45,461	2,283,805
L E Lundbergforetagen AB, B Shares (A)(B)	14,282	766,212
M&G PLC	488,582	1,318,767
Mitsubishi UFJ Lease & Finance Company, Ltd.	75,796	363,964
NewStar Financial, Inc. (A)(D)	6,344	645
ORIX Corp.	246,883	3,798,076
Sofina SA	2,896	979,648
Tokyo Century Corp.	8,100	642,808
Wendel SE (B)	5,038	601,235
		97,510,392
Insurance – 3.0%		
Admiral Group PLC	35,917	1,420,225
Aegon NV	336,266	1,341,320
Aflac, Inc.	103,190	4,588,859
Ageas SA/NV	32,905	1,747,489
AIA Group, Ltd.	2,272,135	27,688,507
Alleghany Corp.	4,601	2,777,578
Allianz SE	78,396	19,259,768
Ambac Financial Group, Inc. (A)	8,743	134,467

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
American Equity Investment Life Holding Company	16,810	\$ 464,965
American Financial Group, Inc.	22,620	1,981,964
American International Group, Inc.	135,418	5,126,925
AMERISAFE, Inc.	3,648	209,505
Aon PLC, Class A	36,111	7,629,171
Argo Group International Holdings, Ltd.	6,118	267,357
Arthur J. Gallagher & Company	30,674	3,794,681
Assicurazioni Generali SpA	207,320	3,629,840
Assurant, Inc.	9,554	1,301,446
Aviva PLC	738,106	3,283,120
AXA SA	363,475	8,716,980
Baloise Holding AG	8,712	1,547,879
Brighthouse Financial, Inc. (A)	28,746	1,040,749
Brown & Brown, Inc.	75,818	3,594,531
BRP Group, Inc., Class A (A)	7,916	237,243
Chubb, Ltd.	71,261	10,968,493
Cincinnati Financial Corp.	23,962	2,093,560
Citizens, Inc. (A)(B)	8,536	48,911
CNO Financial Group, Inc.	70,438	1,565,837
CNP Assurances (A)	32,258	524,097
Dai-ichi Life Holdings, Inc.	202,737	3,054,313
Direct Line Insurance Group PLC	256,430	1,121,550
Donegal Group, Inc., Class A	2,812	39,565
eHealth, Inc. (A)	4,773	337,022
Employers Holdings, Inc.	5,428	174,727
Enstar Group, Ltd. (A)	2,208	452,397
Everest Re Group, Ltd.	6,402	1,498,644
FBL Financial Group, Inc., Class A	1,878	98,614
First American Financial Corp.	35,775	1,847,063
Genworth Financial, Inc., Class A (A)	257,162	972,072
Gjensidige Forsikring ASA	37,584	838,850
Globe Life, Inc.	14,645	1,390,689
Goosehead Insurance, Inc., Class A	2,447	305,288
Greenlight Capital Re, Ltd., Class A (A)	7,145	52,230
Hannover Rueck SE	11,331	1,805,666
HCI Group, Inc.	1,217	63,649
Heritage Insurance Holdings, Inc.	5,200	52,676
Horace Mann Educators Corp.	7,754	325,978
Insurance Australia Group, Ltd.	434,292	1,576,076
Investors Title Company	284	43,452
James River Group Holdings, Ltd.	5,548	272,684
Japan Post Holdings Company, Ltd.	296,000	2,305,585
Japan Post Insurance Company, Ltd.	42,300	867,324
Kemper Corp.	19,835	1,523,923
Kinsale Capital Group, Inc.	10,813	2,164,006
Legal & General Group PLC	1,121,286	4,086,431
Lincoln National Corp.	29,097	1,463,870
Loews Corp.	35,965	1,619,144
Marsh & McLennan Companies, Inc.	80,093	9,370,881
MBIA, Inc. (A)	10,973	72,202
Medibank Pvt., Ltd.	517,523	1,198,656
Mercury General Corp.	8,582	448,066
MetLife, Inc.	120,815	5,672,264
MS&AD Insurance Group Holdings, Inc.	83,651	2,545,085
Muenchener Ruckversicherungs-Gesellschaft AG	26,328	7,822,739
National General Holdings Corp.	12,611	431,044
National Western Life Group, Inc., Class A	503	103,839
NN Group NV	54,167	2,341,651
Old Republic International Corp.	90,642	1,786,554
Palomar Holdings, Inc. (A)	3,797	337,325
Phoenix Group Holdings PLC	103,265	989,588
Poste Italiane SpA (C)	98,177	1,004,229
Primerica, Inc.	12,637	1,692,473

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Principal Financial Group, Inc.	40,895	\$ 2,028,801
ProAssurance Corp.	10,281	182,899
Prudential Financial, Inc.	62,011	4,841,199
Prudential PLC	490,262	9,014,919
QBE Insurance Group, Ltd.	276,095	1,799,704
Reinsurance Group of America, Inc.	21,835	2,530,677
RenaissanceRe Holdings, Ltd.	16,350	2,711,157
RLI Corp.	20,117	2,095,186
RSA Insurance Group PLC	194,416	1,802,015
Safety Insurance Group, Inc.	2,758	214,848
Sampo OYJ, A Shares	88,517	3,784,416
SCOR SE (A)	29,796	966,479
Selective Insurance Group, Inc.	30,276	2,027,886
Selectquote, Inc. (A)	5,783	119,997
Sompo Holdings, Inc.	63,091	2,557,887
State Auto Financial Corp.	3,621	64,237
Stewart Information Services Corp.	4,865	235,271
Suncorp Group, Ltd.	240,470	1,809,651
Swiss Life Holding AG	5,715	2,665,878
Swiss Re AG	53,698	5,059,059
T&D Holdings, Inc.	101,125	1,196,192
The Allstate Corp.	47,958	5,272,023
The Hanover Insurance Group, Inc.	11,984	1,401,169
The Hartford Financial Services Group, Inc.	57,376	2,810,276
The Progressive Corp.	92,453	9,141,753
The Travelers Companies, Inc.	39,840	5,592,341
Third Point Reinsurance, Ltd. (A)	15,083	143,590
Tiptree, Inc.	7,098	35,632
Tokio Marine Holdings, Inc.	118,685	6,114,836
Trean Insurance Group, Inc. (A)	2,397	31,401
Trupanion, Inc. (A)	5,596	669,897
Tryg A/S	22,712	714,319
United Fire Group, Inc.	4,156	104,316
Universal Insurance Holdings, Inc.	5,319	80,370
Unum Group	32,604	747,936
W.R. Berkley Corp.	22,525	1,496,111
Watford Holdings, Ltd. (A)	3,207	110,962
Willis Towers Watson PLC	20,176	4,250,680
Zurich Insurance Group AG	28,275	11,915,676
		281,497,197
Mortgage real estate investment trusts – 0.1%		
Anworth Mortgage Asset Corp.	22,073	59,818
Apollo Commercial Real Estate Finance, Inc.	26,401	294,899
Arbor Realty Trust, Inc.	20,774	294,575
Ares Commercial Real Estate Corp.	5,881	70,043
ARMOUR Residential REIT, Inc.	11,925	128,671
Blackstone Mortgage Trust, Inc., Class A	25,322	697,115
Broadmark Realty Capital, Inc.	23,601	240,730
Capstead Mortgage Corp.	17,950	104,290
Cherry Hill Mortgage Investment Corp.	3,813	34,851
Chimera Investment Corp.	35,199	360,790
Colony Credit Real Estate, Inc.	15,955	119,663
Dynex Capital, Inc.	4,133	73,567
Ellington Residential Mortgage REIT	2,618	34,139
Granite Point Mortgage Trust, Inc.	10,207	101,968
Great Ajax Corp.	4,861	50,846
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	13,472	854,529
Invesco Mortgage Capital, Inc.	34,790	117,590
KKR Real Estate Finance Trust, Inc.	4,875	87,360
Ladder Capital Corp.	19,656	192,236
MFA Financial, Inc.	84,735	329,619
New York Mortgage Trust, Inc.	70,564	260,381

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Mortgage real estate investment trusts (continued)		
Orchid Island Capital, Inc.	13,843	\$ 72,260
PennyMac Mortgage Investment Trust	18,247	320,965
Ready Capital Corp.	7,870	97,982
Redwood Trust, Inc.	21,443	188,270
TPG RE Finance Trust, Inc.	11,185	118,785
Two Harbors Investment Corp.	50,974	324,704
Western Asset Mortgage Capital Corp.	12,223	39,847
		5,670,493
Thriffs and mortgage finance – 0.1%		
Axos Financial, Inc. (A)	10,546	395,791
Bridgewater Bancshares, Inc. (A)	5,163	64,486
Capitol Federal Financial, Inc.	23,930	299,125
Columbia Financial, Inc. (A)	9,025	140,429
ESSA Bancorp, Inc.	2,631	39,465
Essent Group, Ltd.	56,406	2,436,739
Federal Agricultural Mortgage Corp., Class C	1,701	126,299
Flagstar Bancorp, Inc.	8,687	354,082
FS Bancorp, Inc.	979	53,649
Home Bancorp, Inc.	1,554	43,496
HomeStreet, Inc.	4,292	144,855
Kearny Financial Corp.	15,535	164,050
Merchants Bancorp	1,697	46,888
Meridian Bancorp, Inc.	9,145	136,352
Meta Financial Group, Inc.	6,256	228,719
MGIC Investment Corp.	108,325	1,359,479
Mr. Cooper Group, Inc. (A)	14,077	436,809
New York Community Bancorp, Inc.	148,567	1,567,382
NMI Holdings, Inc., Class A (A)	15,353	347,745
Northfield Bancorp, Inc.	9,652	119,009
Northwest Bancshares, Inc.	21,807	277,821
PCSB Financial Corp.	3,733	59,504
PennyMac Financial Services, Inc.	7,843	514,658
Premier Financial Corp.	7,145	164,335
Provident Bancorp, Inc.	4,584	55,008
Provident Financial Services, Inc.	13,362	239,982
Radian Group, Inc.	35,286	714,542
Southern Missouri Bancorp, Inc.	1,780	54,183
Standard AVB Financial Corp.	1,054	34,350
Territorial Bancorp, Inc.	2,464	59,210
The Hingham Institution for Savings	290	62,640
Timberland Bancorp, Inc.	1,934	46,919
TrustCo Bank Corp.	18,961	126,470
Walker & Dunlop, Inc.	5,263	484,301
Washington Federal, Inc.	38,353	987,206
Waterstone Financial, Inc.	4,992	93,949
Western New England Bancorp, Inc.	7,050	48,575
WSFS Financial Corp.	9,302	417,474
		12,945,976
		1,176,972,906
Health care – 13.0%		
Biotechnology – 2.0%		
89bio, Inc. (A)	1,665	40,576
AbbVie, Inc.	278,800	29,873,420
Achillion Pharmaceuticals, Inc. (A)(D)	23,194	34,680
ADMA Biologics, Inc. (A)(B)	15,161	29,564
Aduro Biotech, Inc. (A)(D)	2,435	7,305
Adverum Biotechnologies, Inc. (A)	16,709	181,126
Aeglea BioTherapeutics, Inc. (A)	9,145	71,971
Affimed NV (A)	16,254	94,598
Agenus, Inc. (A)	30,435	96,783
Akebia Therapeutics, Inc. (A)	27,960	78,288
Akero Therapeutics, Inc. (A)	2,605	67,209
Akouos, Inc. (A)(B)	2,839	56,297

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Albireo Pharma, Inc. (A)	3,262	\$ 122,358
Alder Biopharmaceuticals, Inc. (A)(D)	13,115	19,785
Alector, Inc. (A)	8,846	133,840
Alexion Pharmaceuticals, Inc. (A)	34,485	5,387,936
Aligos Therapeutics, Inc. (A)(B)	1,997	55,217
Allakos, Inc. (A)	4,862	680,680
Allogene Therapeutics, Inc. (A)	10,088	254,621
Allovir, Inc. (A)(B)	3,361	129,197
ALX Oncology Holdings, Inc. (A)(B)	1,801	155,246
Amgen, Inc.	91,975	21,146,892
Amicus Therapeutics, Inc. (A)	47,629	1,099,754
AnaptysBio, Inc. (A)	4,089	87,914
Anavex Life Sciences Corp. (A)(B)	10,538	56,905
Anika Therapeutics, Inc. (A)	2,673	120,980
Annexon, Inc. (A)	2,985	74,715
Apellis Pharmaceuticals, Inc. (A)	11,244	643,157
Applied Molecular Transport, Inc. (A)(B)	2,382	73,294
Applied Therapeutics, Inc. (A)	2,657	58,481
Apra Therapeutics, Inc. (A)	1,525	7,503
Arcturus Therapeutics Holdings, Inc. (A)(B)	4,086	177,251
Arcus Biosciences, Inc. (A)	7,890	204,824
Arcutis Biotherapeutics, Inc. (A)	3,893	109,510
Ardelyx, Inc. (A)	14,464	93,582
Arena Pharmaceuticals, Inc. (A)	10,857	834,143
Argenx SE (A)	8,392	2,472,962
Arrowhead Pharmaceuticals, Inc. (A)	51,695	3,966,557
Assembly Biosciences, Inc. (A)	6,484	39,228
Atara Biotherapeutics, Inc. (A)	14,107	276,920
Athenex, Inc. (A)	13,305	147,153
Athersys, Inc. (A)(B)	35,221	61,637
Atreca, Inc., Class A (A)	5,812	93,864
Avid Bioservices, Inc. (A)	10,849	125,197
Avidity Biosciences, Inc. (A)	3,185	81,281
Avrobio, Inc. (A)	6,091	84,909
Beam Therapeutics, Inc. (A)(B)	7,401	604,218
Beyondspring, Inc. (A)	3,211	39,174
BioCryst Pharmaceuticals, Inc. (A)(B)	33,466	249,322
Biogen, Inc. (A)	24,280	5,945,201
Biohaven Pharmaceutical Holding Company, Ltd. (A)	8,972	768,990
Bioxeel Therapeutics, Inc. (A)	2,417	111,665
Black Diamond Therapeutics, Inc. (A)	3,427	109,835
Blueprint Medicines Corp. (A)	10,284	1,153,351
BrainStorm Cell Therapeutics, Inc. (A)	5,984	27,078
BridgeBio Pharma, Inc. (A)	13,576	965,389
C4 Therapeutics, Inc. (A)(B)	2,000	66,260
Cabaletta Bio, Inc. (A)	2,871	35,830
Calithera Biosciences, Inc. (A)	13,303	65,318
CareDx, Inc. (A)	8,934	647,268
CASI Pharmaceuticals, Inc. (A)	14,045	41,433
Catalyst Biosciences, Inc. (A)	5,025	31,708
Catalyst Pharmaceuticals, Inc. (A)	18,808	62,819
Cellular Biomedicine Group, Inc. (A)	2,730	50,177
CEL-SCI Corp. (A)(B)	6,438	75,067
Checkpoint Therapeutics, Inc. (A)	11,664	30,910
ChemoCentryx, Inc. (A)	9,243	572,327
Chimerix, Inc. (A)	10,777	52,053
Chinook Therapeutics, Inc. (A)	2,723	43,187
Clovis Oncology, Inc. (A)(B)	15,905	76,344
Coherus Biosciences, Inc. (A)	10,867	188,868
Concert Pharmaceuticals, Inc. (A)	6,291	79,518
Constellation Pharmaceuticals, Inc. (A)	5,801	167,069
ContraFect Corp. (A)	6,257	31,598
Corbus Pharmaceuticals Holdings, Inc. (A)	17,141	21,426

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Cortexyme, Inc. (A)(B)	2,965	\$ 82,368
Crinetics Pharmaceuticals, Inc. (A)	5,479	77,309
CSL, Ltd.	85,390	18,657,074
Cue Biopharma, Inc. (A)	5,986	74,885
Cytokinetics, Inc. (A)	12,544	260,664
CytomX Therapeutics, Inc. (A)	9,524	62,382
Deciphera Pharmaceuticals, Inc. (A)	7,083	404,227
Denali Therapeutics, Inc. (A)	11,679	978,233
DermTech, Inc. (A)	2,138	69,357
Dicerna Pharmaceuticals, Inc. (A)	12,408	273,348
Dynavax Technologies Corp. (A)(B)	20,224	89,997
Dyne Therapeutics, Inc. (A)	2,737	57,477
Eagle Pharmaceuticals, Inc. (A)	2,066	96,214
Editas Medicine, Inc. (A)	11,724	821,970
Eidos Therapeutics, Inc. (A)	2,050	269,739
Eiger BioPharmaceuticals, Inc. (A)	6,310	77,550
Emergent BioSolutions, Inc. (A)	22,845	2,046,912
Enanta Pharmaceuticals, Inc. (A)	3,656	153,918
Epizyme, Inc. (A)	16,862	183,121
Esperion Therapeutics, Inc. (A)(B)	4,920	127,920
Evelo Biosciences, Inc. (A)	4,439	53,668
Exelixis, Inc. (A)	99,804	2,003,066
Fate Therapeutics, Inc. (A)	13,315	1,210,733
Fennec Pharmaceuticals, Inc. (A)	5,389	40,148
FibroGen, Inc. (A)	15,733	583,537
Five Prime Therapeutics, Inc. (A)	5,864	99,747
Flexion Therapeutics, Inc. (A)(B)	8,468	97,721
Foghorn Therapeutics, Inc. (A)	1,414	28,662
Forma Therapeutics Holdings, Inc. (A)	3,203	111,785
Fortress Biotech, Inc. (A)	14,987	47,509
Frequency Therapeutics, Inc. (A)(B)	4,741	167,168
G1 Therapeutics, Inc. (A)	6,488	116,719
Galapagos NV (A)	7,971	788,924
Generation Bio Company (A)	2,314	65,602
Genmab A/S (A)	12,292	4,984,331
Geron Corp. (A)(B)	55,347	88,002
Gilead Sciences, Inc.	197,975	11,534,024
GlycoMimetics, Inc. (A)	8,242	30,990
Gossamer Bio, Inc. (A)	11,036	106,718
Grifols SA (B)	56,054	1,636,578
Halozyne Therapeutics, Inc. (A)	65,564	2,800,238
Harpoon Therapeutics, Inc. (A)	2,281	37,887
Heron Therapeutics, Inc. (A)	16,525	349,752
Homology Medicines, Inc. (A)	6,904	77,946
Hookipa Pharma, Inc. (A)	3,040	33,714
iBio, Inc. (A)	39,601	41,581
Ideaya Biosciences, Inc. (A)	3,285	45,990
IGM Biosciences, Inc. (A)(B)	1,336	117,955
ImmunoGen, Inc. (A)	34,449	222,196
Immunovant, Inc. (A)	6,927	319,958
Incyte Corp. (A)	29,776	2,589,916
Inhibrx, Inc. (A)	1,539	50,741
Inovio Pharmaceuticals, Inc. (A)(B)	29,426	260,420
Inozyme Pharma, Inc. (A)(B)	1,644	33,932
Insmed, Inc. (A)	18,896	629,048
Intellia Therapeutics, Inc. (A)	9,367	509,565
Intercept Pharmaceuticals, Inc. (A)	4,919	121,499
Invitae Corp. (A)(B)	21,430	895,988
Ironwood Pharmaceuticals, Inc. (A)	29,854	340,037
iTeos Therapeutics, Inc. (A)(B)	2,197	74,303
IVERIC bio, Inc. (A)	15,258	105,433
Kadmon Holdings, Inc. (A)	32,729	135,825
KalVista Pharmaceuticals, Inc. (A)	2,995	56,875
Karuna Therapeutics, Inc. (A)	2,963	301,011
Karyopharm Therapeutics, Inc. (A)(B)	13,265	205,342

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Keros Therapeutics, Inc. (A)	2,418	\$ 170,566
Kezar Life Sciences, Inc. (A)	7,900	41,238
Kindred Biosciences, Inc. (A)	8,566	36,919
Kiniksa Pharmaceuticals, Ltd., Class A (A)	5,156	91,107
Kodiak Sciences, Inc. (A)	5,977	878,081
Kronos Bio, Inc. (A)	2,718	81,187
Krystal Biotech, Inc. (A)	2,566	153,960
Kura Oncology, Inc. (A)	11,429	373,271
Kymera Therapeutics, Inc. (A)(B)	1,871	116,002
Lexicon Pharmaceuticals, Inc. (A)(B)	9,148	31,286
Ligand Pharmaceuticals, Inc. (A)(B)	7,882	783,865
LogicBio Therapeutics, Inc. (A)	3,645	27,811
MacroGenics, Inc. (A)	10,222	233,675
Madrigal Pharmaceuticals, Inc. (A)(B)	1,648	183,208
Magenta Therapeutics, Inc. (A)	4,655	36,495
MannKind Corp. (A)	42,038	131,579
MediciNova, Inc. (A)	9,418	49,539
MEI Pharma, Inc. (A)	22,488	59,368
MeiraGTx Holdings PLC (A)	4,241	64,209
Mersana Therapeutics, Inc. (A)	9,978	265,515
Mirati Therapeutics, Inc. (A)	7,932	1,742,184
Molecular Templates, Inc. (A)	5,320	49,955
Morphic Holding, Inc. (A)(B)	2,646	88,773
Mustang Bio, Inc. (A)	12,190	46,139
Myriad Genetics, Inc. (A)	13,381	264,609
NantKwest, Inc. (A)(B)	6,000	79,980
Natera, Inc. (A)	14,017	1,394,972
Neoleukin Therapeutics, Inc. (A)	6,224	87,758
Neubase Therapeutics, Inc. (A)	4,100	28,659
NextCure, Inc. (A)	3,471	37,834
Nkarta, Inc. (A)(B)	3,094	190,188
Novavax, Inc. (A)(B)	11,446	1,276,343
Nurix Therapeutics, Inc. (A)(B)	2,214	72,796
Oncocyte Corp. (A)	14,025	33,520
Oncorus, Inc. (A)	1,280	41,382
OPKO Health, Inc. (A)(B)	74,130	292,814
ORIC Pharmaceuticals, Inc. (A)	4,143	140,241
Passage Bio, Inc. (A)	4,700	120,179
PDL BioPharma, Inc. (A)	23,030	56,884
PeptiDream, Inc. (A)	17,700	900,346
Pfenex, Inc. (A)(D)	6,194	4,646
Pieris Pharmaceuticals, Inc. (A)	12,242	30,605
PMV Pharmaceuticals, Inc. (A)	2,543	156,420
Praxis Precision Medicines, Inc. (A)(B)	2,028	111,581
Precigen, Inc. (A)(B)	12,480	127,296
Precision BioSciences, Inc. (A)	8,861	73,901
Prelude Therapeutics, Inc. (A)(B)	1,705	121,993
Prevail Therapeutics, Inc. (A)	3,132	72,255
Progenics Pharmaceuticals, Inc. (A)(D)	15,140	681
Protagonist Therapeutics, Inc. (A)	5,954	120,033
Prothena Corp. PLC (A)	6,092	73,165
PTC Therapeutics, Inc. (A)	11,535	703,981
Puma Biotechnology, Inc. (A)	6,091	62,494
Radius Health, Inc. (A)	8,700	155,382
RAPT Therapeutics, Inc. (A)	2,130	42,068
Regeneron Pharmaceuticals, Inc. (A)	16,544	7,992,572
REGENXBIO, Inc. (A)	6,433	291,801
Relay Therapeutics, Inc. (A)	6,016	250,025
Replimune Group, Inc. (A)	4,429	168,966
REVOLUTION Medicines, Inc. (A)	7,218	285,761
Rhythm Pharmaceuticals, Inc. (A)	6,330	188,191
Rigel Pharmaceuticals, Inc. (A)	33,042	115,647
Rocket Pharmaceuticals, Inc. (A)	6,396	350,757
Rubius Therapeutics, Inc. (A)(B)	7,612	57,775
Sangamo Therapeutics, Inc. (A)	21,691	338,488

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Scholar Rock Holding Corp. (A)	4,754	\$ 230,712
Selecta Biosciences, Inc. (A)	14,208	43,050
Seres Therapeutics, Inc. (A)	10,250	251,125
Shattuck Labs, Inc. (A)(B)	2,437	127,723
Solid Biosciences, Inc. (A)	5,840	44,267
Sorrento Therapeutics, Inc. (A)(B)	46,418	316,803
Spectrum Pharmaceuticals, Inc. (A)	27,755	94,645
Spero Therapeutics, Inc. (A)	4,103	79,557
SpringWorks Therapeutics, Inc. (A)	4,437	321,771
Spruce Biosciences, Inc. (A)	1,427	34,690
Stemline Therapeutics, Inc. (A)(D)	8,040	2,653
Stoke Therapeutics, Inc. (A)	2,302	142,563
Sutro Biopharma, Inc. (A)	5,334	115,801
Syndax Pharmaceuticals, Inc. (A)	5,147	114,469
Syros Pharmaceuticals, Inc. (A)	8,245	89,458
Taysha Gene Therapies, Inc. (A)	1,742	46,233
TCR2 Therapeutics, Inc. (A)	4,848	149,949
TG Therapeutics, Inc. (A)	21,402	1,113,332
Translate Bio, Inc. (A)	12,763	235,222
Traverse Therapeutics, Inc. (A)	9,227	251,482
Turning Point Therapeutics, Inc. (A)	6,915	842,593
Twist Bioscience Corp. (A)	6,088	860,174
Ultragenyx Pharmaceutical, Inc. (A)	11,595	1,605,096
United Therapeutics Corp. (A)	14,256	2,163,918
UNITY Biotechnology, Inc. (A)(B)	7,612	39,887
UroGen Pharma, Ltd. (A)(B)	3,941	71,017
Vanda Pharmaceuticals, Inc. (A)	10,214	134,212
Vaxart, Inc. (A)(B)	9,886	56,449
Vaxcyte, Inc. (A)(B)	3,450	91,667
VBI Vaccines, Inc. (A)(B)	34,010	93,528
Veracyte, Inc. (A)	10,691	523,218
Verastem, Inc. (A)(B)	33,813	72,022
Vericel Corp. (A)	8,465	261,399
Vertex Pharmaceuticals, Inc. (A)	41,056	9,703,175
Viebia Bio, Inc. (A)(B)	4,078	146,686
Viking Therapeutics, Inc. (A)(B)	12,797	72,047
Vir Biotechnology, Inc. (A)(B)	10,011	268,095
Voyager Therapeutics, Inc. (A)	5,441	38,903
XBiotech, Inc. (A)(B)	2,791	43,679
Xencor, Inc. (A)	10,393	453,447
XOMA Corp. (A)(B)	1,277	56,354
Y-mAbs Therapeutics, Inc. (A)	5,724	283,395
Zentalis Pharmaceuticals, Inc. (A)	5,332	276,944
ZIOPHARM Oncology, Inc. (A)(B)	40,918	103,113
		185,757,606
Health care equipment and supplies – 3.1%		
Abbott Laboratories	279,919	30,648,331
ABIOMED, Inc. (A)	7,216	2,339,427
Accelerate Diagnostics, Inc. (A)(B)	6,243	47,322
Accuray, Inc. (A)	17,346	72,333
Acutus Medical, Inc. (A)	1,920	55,315
Alcon, Inc. (A)	92,401	6,135,065
Align Technology, Inc. (A)	11,294	6,035,288
Alphatec Holdings, Inc. (A)	10,357	150,384
Ambu A/S, Class B	30,711	1,319,326
AngioDynamics, Inc. (A)	7,047	108,031
Antares Pharma, Inc. (A)	31,496	125,669
Apyx Medical Corp. (A)	5,481	39,463
Asahi Intecc Company, Ltd.	36,700	1,340,478
Aspira Women's Health, Inc. (A)	15,202	102,005
AtriCure, Inc. (A)	8,186	455,715
Atrion Corp.	269	172,763
Avanos Medical, Inc. (A)	24,339	1,116,673
Axogen, Inc. (A)	7,022	125,694

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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)		
Axonics Modulation Technologies, Inc. (A)(B)	5,684	\$ 283,745
Baxter International, Inc.	81,088	6,506,501
Becton, Dickinson and Company	45,784	11,456,072
BioLife Solutions, Inc. (A)	2,618	104,432
BioMerieux	7,785	1,095,697
Boston Scientific Corp. (A)	225,966	8,123,478
Cantel Medical Corp.	19,189	1,513,245
Cardiovascular Systems, Inc. (A)	7,265	317,916
Carl Zeiss Meditec AG, Bearer Shares (B)	7,563	1,002,989
Cerus Corp. (A)	30,920	213,966
Cochlear, Ltd.	12,353	1,802,492
Co-Diagnostics, Inc. (A)(B)	5,151	47,904
Coloplast A/S, B Shares	22,325	3,414,136
CONMED Corp.	5,054	566,048
CryoLife, Inc. (A)	7,021	165,766
CryoPort, Inc. (A)(B)	6,489	284,737
Cutera, Inc. (A)	3,400	81,974
CytoSorbents Corp. (A)	8,290	66,071
Danaher Corp.	99,860	22,182,900
Demant A/S (A)	20,354	804,505
Dentsply Sirona, Inc.	34,999	1,832,548
DexCom, Inc. (A)	15,057	5,566,874
DiaSorin SpA	4,731	987,788
Eargo, Inc. (A)	1,442	64,630
Edwards Lifesciences Corp. (A)	98,351	8,972,562
Fisher & Paykel Healthcare Corp., Ltd.	108,044	2,565,907
GenMark Diagnostics, Inc. (A)	13,049	190,515
Glaukos Corp. (A)	7,961	599,145
Globus Medical, Inc., Class A (A)	24,534	1,600,107
GN Store Nord A/S	24,062	1,918,081
Haemonetics Corp. (A)	16,265	1,931,469
Heska Corp. (A)	1,308	190,510
Hill-Rom Holdings, Inc.	21,513	2,107,629
Hologic, Inc. (A)	40,148	2,923,979
Hoya Corp.	70,607	9,778,703
ICU Medical, Inc. (A)	6,289	1,348,928
IDEXX Laboratories, Inc. (A)	13,414	6,705,256
Inari Medical, Inc. (A)	1,432	124,999
Inogen, Inc. (A)	3,520	157,274
Integer Holdings Corp. (A)	6,086	494,122
Integra LifeSciences Holdings Corp. (A)	22,650	1,470,438
IntriCon Corp. (A)	1,997	36,146
Intuitive Surgical, Inc. (A)	18,563	15,186,390
Invacare Corp.	6,785	60,726
iRadimed Corp. (A)	1,375	31,350
iRhythm Technologies, Inc. (A)	5,346	1,268,125
Koninklijke Philips NV (A)	171,207	9,222,499
Lantheus Holdings, Inc. (A)	12,435	167,748
LeMaitre Vascular, Inc.	3,147	127,454
LivaNova PLC (A)	24,636	1,631,150
Masimo Corp. (A)	16,279	4,368,958
Medtronic PLC	212,570	24,900,450
Meridian Bioscience, Inc. (A)	7,903	147,707
Merit Medical Systems, Inc. (A)	10,090	560,096
Mesa Laboratories, Inc.	879	251,957
Misonix, Inc. (A)	2,870	35,875
Natus Medical, Inc. (A)	6,378	127,815
Neogen Corp. (A)	26,773	2,123,099
Nevro Corp. (A)	6,259	1,083,433
NuVasive, Inc. (A)	26,107	1,470,607
Olympus Corp.	219,008	4,794,938
OraSure Technologies, Inc. (A)	13,292	140,696
Orthofix Medical, Inc. (A)	3,539	152,106
OrthoPediatrics Corp. (A)	2,498	103,043

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
Outset Medical, Inc. (A)	1,778	\$ 101,062
Penumbra, Inc. (A)(B)	10,846	1,898,050
Pulmonx Corp. (A)	2,103	145,149
Pulse Biosciences, Inc. (A)(B)	2,857	68,168
Quidel Corp. (A)	12,330	2,215,085
Quotient, Ltd. (A)	13,836	72,086
Repro-Med Systems, Inc. (A)	6,018	36,228
ResMed, Inc.	22,743	4,834,252
Retractable Technologies, Inc. (A)(B)	2,746	29,492
SeaSpine Holdings Corp. (A)	5,241	91,455
Shockwave Medical, Inc. (A)	5,301	549,820
SI-BONE, Inc. (A)	5,441	162,686
Siemens Healthineers AG (C)	50,504	2,598,998
Sientra, Inc. (A)	10,635	41,370
Silk Road Medical, Inc. (A)	5,043	317,608
Smith & Nephew PLC	164,543	3,417,965
Sonova Holding AG (A)	10,287	2,675,582
STAAR Surgical Company (A)	8,528	675,588
Stereotaxis, Inc. (A)	9,214	46,899
STERIS PLC	13,624	2,582,293
Straumann Holding AG (B)	1,943	2,276,070
Stryker Corp.	51,614	12,647,495
Surgalign Holdings, Inc. (A)	13,743	30,097
Surmodics, Inc. (A)	2,556	111,237
Systemex Corp.	31,479	3,787,759
Tactile Systems Technology, Inc. (A)	3,460	155,492
Teleflex, Inc.	7,451	3,066,608
Terumo Corp.	121,334	5,077,374
The Cooper Companies, Inc.	7,584	2,755,419
TransMedics Group, Inc. (A)	4,925	98,008
Utah Medical Products, Inc.	772	65,080
Vapotherm, Inc. (A)	3,713	99,731
Varex Imaging Corp. (A)	7,232	120,630
Varian Medical Systems, Inc. (A)	14,597	2,554,621
ViewRay, Inc. (A)(B)	21,495	82,111
West Pharmaceutical Services, Inc.	11,828	3,350,991
Zimmer Biomet Holdings, Inc.	32,504	5,008,541
Zynex, Inc. (A)(B)	3,605	48,523
		293,843,311
Health care providers and services – 1.9%		
1Life Healthcare, Inc. (A)	14,640	639,036
Acadia Healthcare Company, Inc. (A)	28,464	1,430,601
AdaptHealth Corp. (A)	4,594	172,551
Addus HomeCare Corp. (A)	2,708	317,080
Alfresa Holdings Corp.	35,300	647,023
Amedisys, Inc. (A)	10,553	3,095,511
American Renal Associates Holdings, Inc. (A)	3,018	34,556
AmerisourceBergen Corp.	23,543	2,301,564
AMN Healthcare Services, Inc. (A)	8,662	591,182
Amplifon SpA (A)	23,399	972,607
Anthem, Inc.	39,251	12,603,104
Apollo Medical Holdings, Inc. (A)	3,773	68,933
BioTelemetry, Inc. (A)	6,278	452,518
Brookdale Senior Living, Inc. (A)	34,762	153,996
Cardinal Health, Inc.	46,844	2,508,965
Castle Biosciences, Inc. (A)	2,208	148,267
Centene Corp. (A)	91,209	5,475,276
Chemed Corp.	5,142	2,738,681
Cigna Corp.	57,021	11,870,632
Community Health Systems, Inc. (A)	16,073	119,422
CorVel Corp. (A)	1,651	175,006
Covetrus, Inc. (A)	21,505	618,054
Cross Country Healthcare, Inc. (A)	7,155	63,465
CVS Health Corp.	206,576	14,109,141

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
DaVita, Inc. (A)	11,183	\$ 1,312,884
Encompass Health Corp.	31,962	2,642,938
Five Star Senior Living, Inc. (A)	4,559	31,457
Fresenius Medical Care AG & Company KGaA	40,070	3,341,331
Fresenius SE & Company KGaA	78,570	3,633,218
Fulgent Genetics, Inc. (A)(B)	2,499	130,198
Hanger, Inc. (A)	6,950	152,831
HCA Healthcare, Inc.	41,625	6,845,648
HealthEquity, Inc. (A)	38,778	2,703,214
Henry Schein, Inc. (A)	22,869	1,529,021
Humana, Inc.	20,884	8,568,079
InfuSystem Holdings, Inc. (A)	2,983	56,021
Laboratory Corp. of America Holdings (A)	15,601	3,175,584
LHC Group, Inc. (A)	15,771	3,364,270
Magellan Health, Inc. (A)	4,429	366,898
McKesson Corp.	25,313	4,402,437
Medipal Holdings Corp.	34,441	647,673
MEDNAX, Inc. (A)	13,903	341,180
Molina Healthcare, Inc. (A)	19,072	4,056,233
National HealthCare Corp.	2,345	155,731
National Research Corp.	2,569	109,825
NMC Health PLC (A)	19,536	4,054
Ontrak, Inc. (A)(B)	1,505	92,994
Option Care Health, Inc. (A)	8,294	129,718
Orpea SA (A)	9,714	1,273,816
Owens & Minor, Inc.	13,386	362,091
Patterson Companies, Inc.	43,820	1,298,387
PetIQ, Inc. (A)(B)	4,024	154,723
Progyny, Inc. (A)	5,007	212,247
Quest Diagnostics, Inc.	21,513	2,563,704
R1 RCM, Inc. (A)	20,056	481,745
RadNet, Inc. (A)	8,182	160,122
Ramsay Health Care, Ltd.	34,410	1,653,426
Ryman Healthcare, Ltd.	75,169	824,683
Select Medical Holdings Corp. (A)	20,172	557,958
Sonic Healthcare, Ltd.	85,047	2,107,194
Surgery Partners, Inc. (A)	4,253	123,380
Suzuken Company, Ltd.	12,648	457,528
Tenet Healthcare Corp. (A)	53,395	2,132,062
The Ensign Group, Inc.	9,521	694,271
The Joint Corp. (A)	2,645	69,458
The Pennant Group, Inc. (A)	4,754	276,017
The Providence Service Corp. (A)	2,256	312,749
Tivity Health, Inc. (A)	8,236	161,343
Triple-S Management Corp., Class B (A)	4,241	90,545
UnitedHealth Group, Inc.	149,852	52,550,099
Universal Health Services, Inc., Class B	12,446	1,711,325
US Physical Therapy, Inc.	2,384	286,676
Viemed Healthcare, Inc. (A)	7,074	54,894
		179,671,051
Health care technology – 0.2%		
Accolade, Inc. (A)(B)	2,356	102,486
Allscripts Healthcare Solutions, Inc. (A)	29,469	425,532
Cerner Corp.	48,916	3,838,928
Computer Programs & Systems, Inc.	2,536	68,066
Evolent Health, Inc., Class A (A)	14,256	228,524
Health Catalyst, Inc. (A)	6,320	275,110
HealthStream, Inc. (A)	5,010	109,418
HMS Holdings Corp. (A)	16,441	604,207
Icad, Inc. (A)	4,246	56,047
Inovalon Holdings, Inc., Class A (A)	13,767	250,146
Inspire Medical Systems, Inc. (A)	4,871	916,186
M3, Inc.	82,886	7,830,019
NextGen Healthcare, Inc. (A)	10,421	190,079

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care technology (continued)		
Omnicell, Inc. (A)	7,903	\$ 948,518
OptimizeRx Corp. (A)	2,867	89,336
Phreesia, Inc. (A)	6,114	331,746
Schrodinger, Inc. (A)	5,563	440,478
Simulations Plus, Inc.	2,635	189,509
Tabula Rasa HealthCare, Inc. (A)(B)	4,029	172,602
Vocera Communications, Inc. (A)	6,008	249,512
		17,316,449
Life sciences tools and services – 1.0%		
Agilent Technologies, Inc.	48,256	5,717,853
Bio-Rad Laboratories, Inc., Class A (A)	3,426	1,997,152
Bio-Techne Corp.	12,408	3,940,160
Charles River Laboratories International, Inc. (A)	15,990	3,995,261
ChromaDex Corp. (A)	8,947	42,946
Codexis, Inc. (A)	10,105	220,592
Eurofins Scientific SE (A)	24,917	2,101,649
Fluidigm Corp. (A)	14,110	84,660
Harvard Bioscience, Inc. (A)	9,070	38,910
Illumina, Inc. (A)	23,040	8,524,800
IQVIA Holdings, Inc. (A)	30,075	5,388,538
Lonza Group AG	13,994	9,014,466
Luminex Corp.	8,077	186,740
Medpace Holdings, Inc. (A)	13,973	1,945,042
Mettler-Toledo International, Inc. (A)	3,751	4,274,940
NanoString Technologies, Inc. (A)	8,175	546,744
NeoGenomics, Inc. (A)	19,326	1,040,512
Pacific Biosciences of California, Inc. (A)	32,779	850,287
PerkinElmer, Inc.	17,910	2,570,085
Personalis, Inc. (A)	4,473	163,757
PRA Health Sciences, Inc. (A)	20,659	2,591,465
QIAGEN NV (A)(B)	43,378	2,249,220
Quanterix Corp. (A)	3,964	184,326
Repligen Corp. (A)	16,179	3,100,382
Sartorius Stedim Biotech (B)	5,197	1,852,594
Syneos Health, Inc. (A)	24,403	1,662,576
Thermo Fisher Scientific, Inc.	62,607	29,161,088
Waters Corp. (A)	9,919	2,454,159
		95,900,904
Pharmaceuticals – 4.8%		
Aerie Pharmaceuticals, Inc. (A)	7,223	97,583
Agile Therapeutics, Inc. (A)(B)	14,575	41,830
Amneal Pharmaceuticals, Inc. (A)	18,786	85,852
Amphastar Pharmaceuticals, Inc. (A)	6,903	138,819
ANI Pharmaceuticals, Inc. (A)	1,922	55,815
Aquestive Therapeutics, Inc. (A)(B)	4,454	23,829
Arvinas, Inc. (A)	6,452	547,968
Astellas Pharma, Inc.	349,847	5,416,947
AstraZeneca PLC	246,606	24,589,890
Atea Pharmaceuticals, Inc. (A)	2,670	111,553
Athira Pharma, Inc. (A)	2,454	84,050
Axsome Therapeutics, Inc. (A)	5,175	421,607
Bayer AG	184,619	10,876,118
BioDelivery Sciences International, Inc. (A)	17,798	74,752
Bristol-Myers Squibb Company	356,843	22,134,971
Cara Therapeutics, Inc. (A)	7,912	119,709
Cassava Sciences, Inc. (A)(B)	6,416	43,757
Catalent, Inc. (A)	26,292	2,736,208
Chiasma, Inc. (A)	10,709	46,584
Chugai Pharmaceutical Company, Ltd.	126,202	6,733,526
Collegium Pharmaceutical, Inc. (A)	6,497	130,135
Corcept Therapeutics, Inc. (A)	18,004	470,985
CorMedix, Inc. (A)	6,303	46,831
Cymabay Therapeutics, Inc. (A)	13,373	76,761

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Daichi Sankyo Company, Ltd.	319,758	\$ 10,958,162
Durect Corp. (A)(B)	40,011	82,823
Eisai Company, Ltd.	47,368	3,387,435
Elanco Animal Health, Inc. (A)(D)	9,534	0
Eli Lilly & Company	125,387	21,170,341
Endo International PLC (A)	42,239	303,276
Eton Pharmaceuticals, Inc. (A)	4,306	35,008
Evoform Biosciences, Inc. (A)(B)	16,322	39,336
Fulcrum Therapeutics, Inc. (A)	3,096	36,254
GlaxoSmithKline PLC	942,868	17,252,562
Graybug Vision, Inc. (A)	1,307	37,929
H Lundbeck A/S (B)	13,098	448,397
Harmony Biosciences Holdings, Inc. (A)	1,102	39,837
Hikma Pharmaceuticals PLC	32,482	1,116,427
Hisamitsu Pharmaceutical Company, Inc.	9,584	569,681
IMARA, Inc. (A)	1,583	34,905
Innoviva, Inc. (A)	11,882	147,218
Intersect ENT, Inc. (A)	6,200	141,980
Intra-Cellular Therapies, Inc. (A)	12,396	394,193
Ipsen SA	7,088	586,094
Jazz Pharmaceuticals PLC (A)	17,913	2,956,541
Johnson & Johnson	415,848	65,446,158
Kala Pharmaceuticals, Inc. (A)(B)	8,050	54,579
Kyowa Kirin Company, Ltd.	50,759	1,386,128
Lannett Company, Inc. (A)	6,508	42,432
Marinus Pharmaceuticals, Inc. (A)(B)	4,896	59,731
Merck & Company, Inc.	399,754	32,699,877
Merck KGaA	24,287	4,165,568
Nektar Therapeutics (A)	57,784	982,328
NGM Biopharmaceuticals, Inc. (A)	4,528	137,176
Nippon Shinyaku Company, Ltd.	8,600	564,503
Novartis AG	417,253	39,287,661
Novo Nordisk A/S, B Shares	323,589	22,573,290
Ocular Therapeutix, Inc. (A)	12,771	264,360
Odonate Therapeutics, Inc. (A)	3,151	60,499
Omeros Corp. (A)(B)	11,270	160,992
Ono Pharmaceutical Company, Ltd.	69,500	2,094,368
Optinose, Inc. (A)	7,943	32,884
Orion OYJ, Class B	19,898	914,014
Otsuka Holdings Company, Ltd.	73,393	3,144,626
Pacira BioSciences, Inc. (A)	7,841	469,205
Paratek Pharmaceuticals, Inc. (A)	9,100	56,966
Perrigo Company PLC	21,861	977,624
Pfizer, Inc.	877,809	32,312,149
Phathom Pharmaceuticals, Inc. (A)	2,093	69,529
Phibro Animal Health Corp., Class A	4,053	78,709
Pliant Therapeutics, Inc. (A)(B)	2,030	46,122
Prestige Consumer Healthcare, Inc. (A)	25,589	892,288
Provention Bio, Inc. (A)	9,016	152,731
Recordati Industria Chimica e Farmaceutica SpA	19,649	1,092,658
Relmada Therapeutics, Inc. (A)(B)	2,830	90,758
Revance Therapeutics, Inc. (A)	11,882	336,736
Roche Holding AG	132,027	45,984,801
Sanofi	212,923	20,637,138
Santen Pharmaceutical Company, Ltd.	67,700	1,099,531
Shionogi & Company, Ltd.	49,811	2,723,244
SIGA Technologies, Inc. (A)	10,059	73,129
Sumitomo Dainippon Pharma Company, Ltd.	33,692	497,950
Supernus Pharmaceuticals, Inc. (A)	9,212	231,774
Taisho Pharmaceutical Holdings Company, Ltd.	6,416	432,639
Takeda Pharmaceutical Company, Ltd.	296,198	10,719,215
Tarsus Pharmaceuticals, Inc. (A)	1,247	51,539

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Teva Pharmaceutical Industries, Ltd., ADR (A)	205,908	\$ 1,987,012
TherapeuticsMD, Inc. (A)(B)	51,220	61,976
Theravance Biopharma, Inc. (A)	8,796	156,305
Tricida, Inc. (A)	5,877	41,433
UCB SA	23,759	2,454,242
Verrica Pharmaceuticals, Inc. (A)	2,952	33,978
Viartis, Inc. (A)	187,741	3,518,266
Vifor Pharma AG	8,550	1,343,825
VYNE Therapeutics, Inc. (A)(B)	29,816	47,109
WaVe Life Sciences, Ltd. (A)	6,639	52,249
Xeris Pharmaceuticals, Inc. (A)(B)	9,298	45,746
Zoetis, Inc.	75,067	12,423,589
Zogenix, Inc. (A)	10,472	209,335
		450,317,153
		1,222,806,474
Industrials – 11.3%		
Aerospace and defense – 1.3%		
AAR Corp.	6,230	225,651
Aerojet Rocketdyne Holdings, Inc. (A)	13,354	705,759
AeroVironment, Inc. (A)	4,018	349,164
Airbus SE (A)	110,507	12,127,494
Astronics Corp. (A)	4,745	62,776
Axon Enterprise, Inc. (A)	20,393	2,498,754
BAE Systems PLC	604,488	4,031,194
Cubic Corp.	5,818	360,949
Curtiss-Wright Corp.	13,315	1,549,200
Dassault Aviation SA (A)(B)	471	512,883
Ducommun, Inc. (A)	2,035	109,280
Elbit Systems, Ltd.	4,983	656,877
General Dynamics Corp.	36,587	5,444,877
Hexcel Corp.	26,706	1,294,974
Howmet Aerospace, Inc.	62,876	1,794,481
Huntington Ingalls Industries, Inc.	6,486	1,105,733
Kaman Corp.	5,125	292,791
Kratos Defense & Security Solutions, Inc. (A)	22,520	617,724
L3Harris Technologies, Inc.	33,143	6,264,690
Lockheed Martin Corp.	38,897	13,807,657
Maxar Technologies, Inc.	11,366	438,614
Mercury Systems, Inc. (A)	17,929	1,578,828
Moog, Inc., Class A	5,492	435,516
MTU Aero Engines AG	9,978	2,600,956
National Presto Industries, Inc.	936	82,770
Northrop Grumman Corp.	24,476	7,458,327
PAE, Inc. (A)	11,016	101,127
Park Aerospace Corp.	4,204	56,376
Parsons Corp. (A)	4,184	152,339
Raytheon Technologies Corp.	239,671	17,138,873
Rolls-Royce Holdings PLC (A)(B)	1,572,467	2,379,812
Safran SA (A)	60,218	8,534,923
Singapore Technologies Engineering, Ltd.	293,452	849,272
Teledyne Technologies, Inc. (A)	5,905	2,314,642
Textron, Inc.	36,527	1,765,350
Thales SA	20,023	1,831,959
The Boeing Company	83,759	17,929,452
TransDigm Group, Inc. (A)	8,520	5,272,602
Triumph Group, Inc.	9,716	122,033
Vectrus, Inc. (A)	2,159	107,345
		124,964,024
Air freight and logistics – 0.6%		
Air Transport Services Group, Inc. (A)	10,993	344,521
Atlas Air Worldwide Holdings, Inc. (A)	4,771	260,210
CH Robinson Worldwide, Inc.	21,596	2,027,217

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Air freight and logistics (continued)		
Deutsche Post AG	185,894	\$ 9,208,400
DSV Panalpina A/S	38,900	6,537,602
Echo Global Logistics, Inc. (A)	4,921	131,981
Expeditors International of Washington, Inc.	26,855	2,554,179
FedEx Corp.	38,124	9,897,753
Forward Air Corp.	5,196	399,261
Hub Group, Inc., Class A (A)	6,114	348,498
Radiant Logistics, Inc. (A)	9,004	52,223
SG Holdings Company, Ltd.	60,200	1,641,430
United Parcel Service, Inc., Class B	112,683	18,975,817
XPO Logistics, Inc. (A)	29,388	3,503,050
Yamato Holdings Company, Ltd.	57,993	1,480,717
		57,362,859
Airlines – 0.2%		
Alaska Air Group, Inc.	19,804	1,029,808
Allegiant Travel Company	2,385	451,337
American Airlines Group, Inc. (B)	96,063	1,514,914
ANA Holdings, Inc. (A)	21,649	478,348
Delta Air Lines, Inc.	99,778	4,012,073
Deutsche Lufthansa AG (A)(B)	56,165	743,164
Hawaiian Holdings, Inc.	8,571	151,707
Japan Airlines Company, Ltd. (A)	20,940	403,813
JetBlue Airways Corp. (A)	100,959	1,467,944
Mesa Air Group, Inc. (A)	5,704	38,160
Qantas Airways, Ltd. (A)	173,679	651,253
Singapore Airlines, Ltd. (A)	251,827	817,109
SkyWest, Inc.	9,098	366,740
Southwest Airlines Company	92,334	4,303,688
Spirit Airlines, Inc. (A)	17,897	437,582
United Airlines Holdings, Inc. (A)	46,609	2,015,839
		18,883,479
Building products – 0.8%		
A. O. Smith Corp.	21,684	1,188,717
AAON, Inc.	7,545	502,723
Advanced Drainage Systems, Inc.	10,324	862,880
AGC, Inc.	36,376	1,272,034
Allegion PLC	14,774	1,719,398
Alpha Pro Tech, Ltd. (A)(B)	2,469	27,529
American Woodmark Corp. (A)	3,143	294,971
Apogee Enterprises, Inc.	4,825	152,856
Assa Abloy AB, B Shares	188,353	4,654,581
Builders FirstSource, Inc. (A)	87,943	3,588,954
Caesarstone, Ltd.	4,652	59,964
Carrier Global Corp.	127,831	4,821,785
Cie de Saint-Gobain	97,240	4,472,299
Cornerstone Building Brands, Inc. (A)	8,405	77,998
CSW Industrials, Inc.	2,528	282,908
Daikin Industries, Ltd.	46,797	10,410,791
Fortune Brands Home & Security, Inc.	22,129	1,896,898
Geberit AG	6,961	4,357,381
Gibraltar Industries, Inc. (A)	6,057	435,741
Griffon Corp.	7,981	162,653
Insteel Industries, Inc.	3,616	80,528
JELD-WEN Holding, Inc. (A)	12,671	321,337
Johnson Controls International PLC	114,170	5,319,180
Kingspan Group PLC (A)	28,971	2,028,752
Lennox International, Inc.	11,197	3,067,642
Lixil Corp.	50,050	1,085,418
Masco Corp.	41,893	2,301,182
Masonite International Corp. (A)	4,538	446,267
Nibe Industrier AB, B Shares	58,601	1,921,748
Owens Corning	34,713	2,629,857
PGT Innovations, Inc. (A)	10,652	216,662
Quanex Building Products Corp.	6,275	139,117

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Building products (continued)		
Resideo Technologies, Inc. (A)	26,208	\$ 557,182
Rockwool International A/S, B Shares	1,514	566,623
Simpson Manufacturing Company, Inc.	21,910	2,047,490
TOTO, Ltd.	26,600	1,601,012
Trane Technologies PLC	37,630	5,462,371
Trex Company, Inc. (A)	37,228	3,116,728
UFP Industries, Inc.	11,017	611,994
Xinyi Glass Holdings, Ltd.	342,000	956,588
		75,720,739
Commercial services and supplies – 0.6%		
ABM Industries, Inc.	12,475	472,054
ACCO Brands Corp.	17,390	146,946
Brady Corp., Class A	8,717	460,432
Brambles, Ltd.	282,577	2,317,778
BrightView Holdings, Inc. (A)	7,679	116,106
Casella Waste Systems, Inc., Class A (A)	8,754	542,310
CECO Environmental Corp. (A)	6,499	45,233
Cimpress PLC (A)	3,317	291,034
Cintas Corp.	13,926	4,922,284
Clean Harbors, Inc. (A)	16,327	1,242,485
Copart, Inc. (A)	33,094	4,211,212
Covanta Holding Corp.	22,152	290,856
Dai Nippon Printing Company, Ltd.	45,673	821,549
Deluxe Corp.	7,785	227,322
Ennis, Inc.	5,169	92,267
Harsco Corp. (A)	14,618	262,832
Healthcare Services Group, Inc.	37,957	1,066,592
Heritage-Crystal Clean, Inc. (A)	3,068	64,643
Herman Miller, Inc.	29,929	1,011,600
HNI Corp.	21,683	747,196
IAA, Inc. (A)	43,265	2,811,360
Interface, Inc.	10,969	115,175
KAR Auction Services, Inc.	65,702	1,222,714
Kimball International, Inc., Class B	7,049	84,236
Knoll, Inc.	9,411	138,153
Matthews International Corp., Class A	5,720	168,168
McGrath RentCorp	4,508	302,487
Montrose Environmental Group, Inc. (A)	2,136	66,131
MSA Safety, Inc.	11,680	1,744,875
PICO Holdings, Inc. (A)	4,690	43,852
Pitney Bowes, Inc.	32,477	200,058
Rentokil Initial PLC (A)	348,473	2,429,613
Republic Services, Inc.	32,639	3,143,136
Rollins, Inc.	35,437	1,384,524
Secom Company, Ltd.	39,455	3,639,792
Securitas AB, B Shares	58,843	949,350
Sohgo Security Services Company, Ltd.	13,400	695,127
SP Plus Corp. (A)	4,375	126,131
Steelcase, Inc., Class A	15,986	216,610
Stericycle, Inc. (A)	29,361	2,035,598
Team, Inc. (A)	6,050	65,945
Tetra Tech, Inc.	27,247	3,154,658
The Brink's Company	25,018	1,801,296
Toppan Printing Company, Ltd.	49,262	695,657
UniFirst Corp.	2,790	590,615
US Ecology, Inc.	6,017	218,598
Viad Corp.	3,867	139,869
VSE Corp.	1,748	67,281
Waste Management, Inc.	61,409	7,241,963
		54,845,703
Construction and engineering – 0.4%		
ACS Actividades de Construccion y Servicios SA	50,262	1,669,861
AECOM (A)	48,468	2,412,737
Aegion Corp. (A)	5,821	110,541

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Construction and engineering (continued)		
Ameresco, Inc., Class A (A)	4,538	\$ 237,065
API Group Corp. (A)(C)	26,138	474,405
Arcosa, Inc.	9,000	494,370
Argan, Inc.	2,773	123,371
Bouygues SA	42,854	1,762,498
CIMIC Group, Ltd. (A)(B)	17,847	335,705
Comfort Systems USA, Inc.	6,706	353,138
Construction Partners, Inc., Class A (A)	4,962	144,444
Dycom Industries, Inc. (A)	16,005	1,208,698
Eiffage SA (A)	15,909	1,537,794
EMCOR Group, Inc.	27,653	2,529,143
Ferrovial SA (B)	91,461	2,528,941
Fluor Corp.	66,641	1,064,257
Granite Construction, Inc.	8,758	233,926
Great Lakes Dredge & Dock Corp. (A)	12,005	158,106
HC2 Holdings, Inc. (A)	11,902	38,801
HOCHTIEF AG	4,647	452,207
IES Holdings, Inc. (A)	1,540	70,902
Jacobs Engineering Group, Inc.	19,931	2,171,682
Kajima Corp.	84,485	1,133,367
MasTec, Inc. (A)	28,637	1,952,471
MYR Group, Inc. (A)	3,052	183,425
Northwest Pipe Company (A)	2,072	58,638
NV5 Global, Inc. (A)	2,050	161,499
Obayashi Corp.	122,015	1,053,546
Primoris Services Corp.	8,922	246,336
Quanta Services, Inc.	22,108	1,592,218
Shimizu Corp.	103,729	755,074
Skanska AB, B Shares	63,927	1,629,117
Sterling Construction Company, Inc. (A)	5,363	99,805
Taisei Corp.	35,873	1,237,566
Tutor Perini Corp. (A)	7,638	98,912
Valmont Industries, Inc.	6,825	1,193,897
Vinci SA	97,822	9,743,984
WillScot Mobile Mini Holdings Corp. (A)	29,885	692,435
		41,944,882
Electrical equipment – 1.2%		
ABB, Ltd.	346,324	9,714,106
Acuity Brands, Inc.	11,837	1,433,342
Allied Motion Technologies, Inc.	1,484	75,832
American Superconductor Corp. (A)	5,107	119,606
AMETEK, Inc.	35,940	4,346,584
Atkore International Group, Inc. (A)	8,783	361,069
AZZ, Inc.	4,862	230,653
Bloom Energy Corp., Class A (A)	16,508	473,119
Eaton Corp. PLC	62,926	7,559,930
Emerson Electric Company	94,366	7,584,195
Encore Wire Corp.	3,789	229,500
EnerSys	21,525	1,787,867
FuelCell Energy, Inc. (A)(B)	53,414	596,634
Fuji Electric Company, Ltd.	23,840	860,529
Generac Holdings, Inc. (A)	20,213	4,596,638
Hubbell, Inc.	17,432	2,733,163
Legrand SA	50,176	4,488,572
LSI Industries, Inc.	5,799	49,639
Melrose Industries PLC (A)	912,973	2,224,361
Mitsubishi Electric Corp.	342,997	5,183,935
Nidec Corp.	84,086	10,637,548
nVent Electric PLC	54,886	1,278,295
Orion Energy Systems, Inc. (A)	5,290	52,212
Plug Power, Inc. (A)	69,574	2,359,254
Powell Industries, Inc.	1,870	55,146
Preformed Line Products Company	681	46,608
Prysmian SpA	45,351	1,614,161
Regal Beloit Corp.	13,107	1,609,671

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
Rockwell Automation, Inc.	18,176	\$ 4,558,723
Schneider Electric SE	101,236	14,631,378
Siemens Energy AG (A)	75,105	2,773,054
Siemens Gamesa Renewable Energy SA	44,801	1,819,203
Sunrun, Inc. (A)	78,076	5,416,913
Thermon Group Holdings, Inc. (A)	6,334	99,000
TPI Composites, Inc. (A)	5,674	299,474
Vestas Wind Systems A/S (B)	37,007	8,742,138
Vicor Corp. (A)	3,582	330,332
		110,972,384
Industrial conglomerates – 1.1%		
3M Company	91,041	15,913,056
Carlisle Companies, Inc.	17,163	2,680,517
CK Hutchison Holdings, Ltd.	507,238	3,541,450
DCC PLC	18,513	1,310,024
General Electric Company	1,382,731	14,933,495
Honeywell International, Inc.	110,833	23,574,179
Investment AB Latour, B Shares	27,822	673,924
Jardine Matheson Holdings, Ltd.	41,100	2,299,057
Jardine Strategic Holdings, Ltd.	41,700	1,036,532
Keihan Holdings Company, Ltd.	18,100	867,772
Keppel Corp., Ltd.	273,645	1,114,387
Raven Industries, Inc.	6,677	220,942
Roper Technologies, Inc.	16,539	7,129,798
Siemens AG	143,760	20,708,110
Smiths Group PLC	74,456	1,531,486
Toshiba Corp.	72,628	2,034,194
		99,568,923
Machinery – 2.4%		
AGCO Corp.	19,704	2,031,285
Alamo Group, Inc.	1,815	250,379
Albany International Corp., Class A	5,684	417,319
Alfa Laval AB (A)	59,118	1,632,630
Alstom SA (A)	47,103	2,682,942
Altra Industrial Motion Corp.	11,981	664,107
Amada Company, Ltd.	60,752	668,526
Astec Industries, Inc.	4,201	243,154
Atlas Copco AB, A Shares	126,192	6,485,815
Atlas Copco AB, B Shares	73,331	3,291,643
Barnes Group, Inc.	8,688	440,395
Blue Bird Corp. (A)	3,054	55,766
Caterpillar, Inc.	85,789	15,615,314
Chart Industries, Inc. (A)	6,713	790,724
CIRCOR International, Inc. (A)	3,783	145,419
CNH Industrial NV (A)	192,299	2,417,277
Colfax Corp. (A)	32,503	1,242,915
Columbus McKinnon Corp.	4,356	167,445
Crane Company	15,931	1,237,201
Cummins, Inc.	23,214	5,271,899
Daifuku Company, Ltd.	19,000	2,351,164
Deere & Company	49,489	13,315,015
Donaldson Company, Inc.	40,509	2,263,643
Douglas Dynamics, Inc.	4,270	182,628
Dover Corp.	22,247	2,808,684
Energy Recovery, Inc. (A)	7,776	106,065
Enerpac Tool Group Corp.	10,063	227,524
EnPro Industries, Inc.	3,862	291,658
Epiroc AB, A Shares	123,841	2,250,775
Epiroc AB, B Shares	73,286	1,237,192
ESCO Technologies, Inc.	4,737	488,953
Evoqua Water Technologies Corp. (A)	17,060	460,279
FANUC Corp.	36,018	8,891,009
Federal Signal Corp.	11,113	368,618
Flowserve Corp.	20,850	768,323
Fortive Corp.	52,565	3,722,653

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
Franklin Electric Company, Inc.	8,487	\$ 587,385
GEA Group AG	28,831	1,031,204
Graco, Inc.	53,847	3,895,830
Graham Corp.	2,630	39,923
Harmonic Drive Systems, Inc.	7,200	644,304
Helios Technologies, Inc.	5,829	310,627
Hillenbrand, Inc.	13,603	541,399
Hino Motors, Ltd.	53,942	460,491
Hitachi Construction Machinery Company, Ltd.	20,252	575,835
Hoshizaki Corp.	9,500	872,332
Hurco Companies, Inc.	1,623	48,690
Hyster-Yale Materials Handling, Inc.	1,888	112,430
IDEX Corp.	12,095	2,409,324
Illinois Tool Works, Inc.	45,486	9,273,686
Ingersoll Rand, Inc. (A)	59,456	2,708,815
ITT, Inc.	27,740	2,136,535
John Bean Technologies Corp.	5,784	658,624
Kadant, Inc.	2,101	296,199
Kennametal, Inc.	42,134	1,526,936
KION Group AG	12,206	1,058,530
Knorr-Bremse AG	13,632	1,862,175
Komatsu, Ltd.	164,476	4,539,252
Kone OYJ, B Shares	63,873	5,204,381
Kubota Corp.	194,952	4,259,237
Kurita Water Industries, Ltd.	18,527	708,189
LB Foster Company, Class A (A)	2,810	42,291
Lincoln Electric Holdings, Inc.	19,175	2,229,094
Lindsay Corp.	2,015	258,847
Luxfer Holdings PLC	5,235	85,959
Luxfer Holdings PLC (London Stock Exchange)	442	6,603
Lydall, Inc. (A)	3,306	99,279
Makita Corp.	42,052	2,109,206
Meritor, Inc. (A)	12,836	358,253
Miller Industries, Inc.	2,227	84,671
MINEBEA MITSUMI, Inc.	68,200	1,356,823
MISUMI Group, Inc.	53,400	1,752,978
Mitsubishi Heavy Industries, Ltd.	60,263	1,845,620
Miura Company, Ltd.	16,500	921,164
Mueller Industries, Inc.	10,372	364,161
Mueller Water Products, Inc., Class A	29,119	360,493
Nabtesco Corp.	21,189	930,042
Navistar International Corp. (A)	9,274	407,685
NGK Insulators, Ltd.	48,461	748,806
NN, Inc. (A)	8,611	56,574
Nordson Corp.	17,361	3,488,693
NSK, Ltd.	67,298	585,668
Omega Flex, Inc. (B)	532	77,672
Oshkosh Corp.	21,847	1,880,371
Otis Worldwide Corp.	63,702	4,303,070
PACCAR, Inc.	54,315	4,686,298
Parker-Hannifin Corp.	20,233	5,511,672
Park-Ohio Holdings Corp.	1,744	53,890
Pentair PLC	26,575	1,410,867
Proto Labs, Inc. (A)	4,945	758,563
Rational AG	961	893,112
RBC Bearings, Inc. (A)	4,558	816,064
REV Group, Inc.	5,397	47,548
Rexnord Corp.	22,166	875,335
Sandvik AB (A)	212,154	5,232,472
Schindler Holding AG	3,782	1,022,251
Schindler Holding AG, Participation Certificates	7,651	2,069,118
SKF AB, B Shares	71,557	1,861,860

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
SMC Corp.	10,747	\$ 6,563,593
Snap-on, Inc.	8,724	1,493,025
Spirax-Sarco Engineering PLC	13,857	2,139,021
SPX Corp. (A)	8,015	437,138
SPX FLOW, Inc. (A)	7,920	459,043
Standex International Corp.	2,277	176,513
Stanley Black & Decker, Inc.	25,030	4,469,357
Techtronic Industries Company, Ltd.	258,242	3,691,162
Tennant Company	3,396	238,297
Terex Corp.	34,869	1,216,579
The ExOne Company (A)	2,978	28,261
The Gorman-Rupp Company	3,313	107,507
The Greenbrier Companies, Inc.	6,074	220,972
The Manitowoc Company, Inc. (A)	6,525	86,848
The Middleby Corp. (A)	17,865	2,303,156
The Shyft Group, Inc.	6,466	183,505
The Timken Company	21,831	1,688,846
The Toro Company	34,511	3,273,023
THK Company, Ltd.	22,652	732,585
TriMas Corp. (A)	7,870	249,243
Trinity Industries, Inc.	27,086	714,800
Volvo AB, B Shares (A)	267,605	6,335,036
Wabash National Corp.	9,858	169,853
Wabtec Corp.	28,653	2,097,400
Wartsila OYJ ABP	83,396	834,659
Watts Water Technologies, Inc., Class A	5,031	612,273
Welbilt, Inc. (A)	24,407	322,172
Woodward, Inc.	18,739	2,277,351
Xylem, Inc.	28,826	2,934,199
Yaskawa Electric Corp.	45,110	2,248,974
		229,146,135
Marine – 0.1%		
A.P. Moller - Maersk A/S, Series A	598	1,235,337
A.P. Moller - Maersk A/S, Series B	1,152	2,563,490
Costamare, Inc.	9,105	75,389
Kirby Corp. (A)	19,392	1,005,087
Kuehne + Nagel International AG	10,148	2,302,769
Matson, Inc.	7,964	453,709
Nippon Yusen KK	28,725	670,176
Scorpio Bulkers, Inc.	2,297	38,888
SEACOR Holdings, Inc. (A)	3,646	151,127
		8,495,972
Professional services – 0.8%		
Acacia Research Corp. (A)	10,616	41,827
Adecco Group AG	29,121	1,939,556
ASGN, Inc. (A)	26,370	2,202,686
Barrett Business Services, Inc.	1,460	99,587
Bureau Veritas SA (A)	55,204	1,473,656
CBIZ, Inc. (A)	9,399	250,107
CoreLogic, Inc.	25,010	1,933,773
CRA International, Inc.	1,508	76,802
Equifax, Inc.	18,946	3,653,547
Experian PLC	172,221	6,542,441
Exponent, Inc.	9,489	854,295
Forrester Research, Inc. (A)	2,108	88,325
Franklin Covey Company (A)	2,610	58,125
FTI Consulting, Inc. (A)	11,464	1,280,758
GP Strategies Corp. (A)	3,369	39,956
Heidrick & Struggles International, Inc.	3,697	108,618
Huron Consulting Group, Inc. (A)	4,240	249,948
ICF International, Inc.	3,408	253,317
IHS Markit, Ltd.	58,626	5,266,374
Insperty, Inc.	18,130	1,476,145
Intertek Group PLC	30,330	2,342,696
Kelly Services, Inc., Class A	6,313	129,858

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
Kforce, Inc.	3,698	\$ 155,649
Korn Ferry	10,179	442,787
ManpowerGroup, Inc.	18,478	1,666,346
Nielsen Holdings PLC	57,144	1,192,595
Nihon M&A Center, Inc.	28,400	1,899,200
Persol Holdings Company, Ltd.	33,400	603,429
Randstad NV (A)	22,391	1,449,429
Recruit Holdings Company, Ltd.	239,000	10,038,703
Red Violet, Inc. (A)	1,501	39,191
RELX PLC	363,014	8,882,016
Resources Connection, Inc.	6,126	77,004
Robert Half International, Inc.	18,362	1,147,258
SGS SA	1,137	3,427,339
Teleperformance	11,037	3,664,076
TriNet Group, Inc. (A)	7,594	612,076
TrueBlue, Inc. (A)	6,830	127,653
Upwork, Inc. (A)	17,264	595,953
Verisk Analytics, Inc.	25,509	5,295,413
Willdan Group, Inc. (A)	2,007	83,692
Wolters Kluwer NV	51,306	4,323,836
		76,086,042
Road and rail – 0.9%		
ArcBest Corp.	4,689	200,080
Aurizon Holdings, Ltd.	359,799	1,080,990
Avis Budget Group, Inc. (A)	26,452	986,660
Central Japan Railway Company	27,076	3,828,638
Covenant Logistics Group, Inc. (A)	2,708	40,105
CSX Corp.	120,724	10,955,703
Daseke, Inc. (A)	8,980	52,174
East Japan Railway Company	56,840	3,792,103
Hankyu Hanshin Holdings, Inc.	43,000	1,430,269
Heartland Express, Inc.	9,194	166,411
JB Hunt Transport Services, Inc.	13,351	1,824,414
Kansas City Southern	14,602	2,980,706
Keikyu Corp.	41,479	711,596
Keio Corp.	19,315	1,498,554
Keisei Electric Railway Company, Ltd.	24,294	822,350
Kintetsu Group Holdings Company, Ltd.	32,274	1,414,417
Knight-Swift Transportation Holdings, Inc.	40,363	1,687,981
Kyushu Railway Company	28,100	606,200
Landstar System, Inc.	12,299	1,656,183
Marten Transport, Ltd.	11,153	192,166
MTR Corp., Ltd.	290,315	1,623,626
Nagoya Railroad Company, Ltd.	35,099	926,116
Nippon Express Company, Ltd.	13,546	911,194
Norfolk Southern Corp.	40,084	9,524,359
Odakyu Electric Railway Company, Ltd.	55,379	1,739,354
Old Dominion Freight Line, Inc.	15,411	3,007,919
Ryder System, Inc.	17,383	1,073,574
Saia, Inc. (A)	4,886	883,389
Seibu Holdings, Inc.	39,500	387,474
Tobu Railway Company, Ltd.	35,473	1,057,671
Tokyu Corp.	93,908	1,166,799
U.S. Xpress Enterprises, Inc., Class A (A)	4,786	32,736
Union Pacific Corp.	106,438	22,162,520
Universal Logistics Holdings, Inc.	1,590	32,738
Werner Enterprises, Inc.	30,034	1,177,933
West Japan Railway Company	30,525	1,598,291
		83,233,393
Trading companies and distributors – 0.7%		
Alta Equipment Group, Inc. (A)	4,069	40,202
Applied Industrial Technologies, Inc.	7,177	559,734
Ashtead Group PLC	84,436	3,977,020
Beacon Roofing Supply, Inc. (A)	10,202	410,018
BMC Stock Holdings, Inc. (A)	12,489	670,410

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
Brenntag AG	29,034	\$ 2,257,727
Bunzl PLC	63,307	2,113,688
CAI International, Inc.	3,051	95,313
DXP Enterprises, Inc. (A)	3,246	72,159
EVI Industries, Inc. (A)	1,034	30,937
Fastenal Company	89,897	4,389,671
Ferguson PLC	42,262	5,134,851
Foundation Building Materials, Inc. (A)	3,876	74,458
GATX Corp.	17,738	1,475,447
GMS, Inc. (A)	7,745	236,068
H&E Equipment Services, Inc.	5,993	178,650
Herc Holdings, Inc. (A)	4,528	300,704
I TOCHU Corp.	253,204	7,282,176
Lawson Products, Inc. (A)	932	47,448
Marubeni Corp.	310,259	2,067,072
Mitsubishi Corp.	251,306	6,195,151
Mitsui & Company, Ltd.	306,503	5,619,515
MonotaRO Company, Ltd. (B)	23,500	1,193,537
MRC Global, Inc. (A)	15,245	101,074
MSC Industrial Direct Company, Inc., Class A	14,704	1,240,871
NOW, Inc. (A)	21,113	151,591
Rush Enterprises, Inc., Class A	7,355	304,644
Rush Enterprises, Inc., Class B	1,477	55,964
SiteOne Landscape Supply, Inc. (A)	8,129	1,289,503
Sumitomo Corp.	223,338	2,959,887
Systemax, Inc.	2,294	82,332
Textainer Group Holdings, Ltd. (A)	9,275	177,895
Titan Machinery, Inc. (A)	3,673	71,807
Toyota Tsusho Corp.	39,882	1,613,885
Transcat, Inc. (A)	1,638	56,806
Triton International, Ltd.	11,181	542,390
United Rentals, Inc. (A)	11,546	2,677,633
Univar Solutions, Inc. (A)	54,606	1,038,060
Veritiv Corp. (A)	2,532	52,640
W.W. Grainger, Inc.	7,208	2,943,315
Watsco, Inc.	10,544	2,388,743
WESCO International, Inc. (A)	9,033	709,091
		62,880,088
Transportation infrastructure – 0.2%		
Aena SME SA (A)(C)	12,685	2,205,278
Aeroports de Paris (A)	5,579	721,792
Atlantia SpA (A)(B)	93,110	1,681,375
Auckland International Airport, Ltd. (A)	235,214	1,286,294
Getlink SE (A)(B)	82,684	1,430,533
Japan Airport Terminal Company, Ltd.	9,500	576,524
Sydney Airport (A)	248,492	1,229,991
Transurban Group	514,196	5,418,495
		14,550,282
		1,058,654,905
Information technology – 19.5%		
Communications equipment – 0.6%		
Acacia Communications, Inc. (A)	7,218	526,625
ADTRAN, Inc.	9,050	133,669
Applied Optoelectronics, Inc. (A)(B)	4,533	38,576
Arista Networks, Inc. (A)	8,424	2,447,762
CalAmp Corp. (A)	6,956	69,004
Calix, Inc. (A)	9,762	290,517
Cambium Networks Corp. (A)	1,132	28,391
Casa Systems, Inc. (A)	6,236	38,476
Ciena Corp. (A)	49,626	2,622,734
Cisco Systems, Inc.	667,383	29,865,389
Clearfield, Inc. (A)	2,285	56,485
Comtech Telecommunications Corp.	4,677	96,767

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Communications equipment (continued)		
Digi International, Inc. (A)	5,474	\$ 103,459
DZS, Inc. (A)	2,638	40,810
Extreme Networks, Inc. (A)	22,571	155,514
F5 Networks, Inc. (A)	9,799	1,724,036
Genasys, Inc. (A)	7,249	47,263
Harmonic, Inc. (A)	17,949	132,643
Infinera Corp. (A)	30,319	317,743
Inseego Corp. (A)(B)	13,048	201,853
InterDigital, Inc.	15,706	953,040
Juniper Networks, Inc.	53,139	1,196,159
KVH Industries, Inc. (A)	4,011	45,525
Lumentum Holdings, Inc. (A)	24,289	2,302,597
Motorola Solutions, Inc.	26,608	4,524,956
NETGEAR, Inc. (A)	5,449	221,393
NetScout Systems, Inc. (A)	36,374	997,375
Nokia OYJ (A)	1,062,488	4,103,671
Plantronics, Inc.	6,419	173,506
Ribbon Communications, Inc. (A)	12,911	84,696
Telefonaktiebolaget LM Ericsson, B Shares	548,502	6,524,679
ViaSat, Inc. (A)(B)	20,712	676,247
Viavi Solutions, Inc. (A)	42,468	635,958
		61,377,518
Electronic equipment, instruments and components – 1.4%		
Akoustis Technologies, Inc. (A)(B)	6,744	82,479
Amphenol Corp., Class A	47,042	6,151,682
Arlo Technologies, Inc. (A)	15,129	117,855
Arrow Electronics, Inc. (A)	24,292	2,363,612
Avnet, Inc.	31,905	1,120,185
Azbil Corp.	23,200	1,269,088
Badger Meter, Inc.	5,394	507,360
Bel Fuse, Inc., Class B	2,293	34,464
Belden, Inc.	22,549	944,803
Benchmark Electronics, Inc.	6,715	181,372
CDW Corp.	22,853	3,011,797
Cognex Corp.	56,150	4,508,003
Coherent, Inc. (A)	7,834	1,175,257
Corning, Inc.	121,889	4,388,004
CTS Corp.	5,896	202,410
Daktronics, Inc.	9,213	43,117
ePlus, Inc. (A)	2,505	220,315
Fabrinet (A)	6,789	526,759
FARO Technologies, Inc. (A)	3,311	233,856
Fitbit, Inc., Class A (A)	45,473	309,216
FLIR Systems, Inc.	21,003	920,561
Halma PLC	71,343	2,389,296
Hamamatsu Photonics KK	26,400	1,510,444
Hexagon AB, B Shares	52,889	4,848,969
Hirose Electric Company, Ltd.	6,075	922,010
Hitachi, Ltd.	181,894	7,179,228
Ibiden Company, Ltd.	19,900	930,269
II-VI, Inc. (A)	52,225	3,967,011
Insight Enterprises, Inc. (A)	6,438	489,867
Intelligence, Inc. (A)	4,004	45,666
IPG Photonics Corp. (A)	5,716	1,279,184
Iteris, Inc. (A)	9,709	54,856
Itron, Inc. (A)	7,471	716,469
Jabil, Inc.	43,254	1,839,593
Keyence Corp.	34,300	19,294,319
Keysight Technologies, Inc. (A)	29,182	3,854,650
Kimball Electronics, Inc. (A)	4,617	73,826
Knowles Corp. (A)	16,468	303,505
Kyocera Corp.	60,363	3,704,985
Littelfuse, Inc.	7,862	2,002,137
Luna Innovations, Inc. (A)	6,029	59,567
Methode Electronics, Inc.	6,733	257,739

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electronic equipment, instruments and components (continued)		
MTS Systems Corp.	3,621	\$ 210,597
Murata Manufacturing Company, Ltd.	107,939	9,771,665
Napco Security Technologies, Inc. (A)	2,249	58,969
National Instruments Corp.	42,136	1,851,456
nLight, Inc. (A)	6,526	213,074
Novanta, Inc. (A)	6,339	749,397
Omron Corp.	34,918	3,117,173
OSI Systems, Inc. (A)	3,148	293,457
PAR Technology Corp. (A)(B)	3,506	220,142
PC Connection, Inc. (A)	2,040	96,472
Plexus Corp. (A)	5,297	414,278
Powerfleet, Inc. (A)	6,807	50,576
Rogers Corp. (A)	3,455	536,527
Sanmina Corp. (A)	11,848	377,833
ScanSource, Inc. (A)	4,875	128,603
Shimadzu Corp.	41,692	1,620,566
SYNNEX Corp.	13,306	1,083,641
TDK Corp.	24,321	3,669,637
TE Connectivity, Ltd.	52,016	6,297,577
Trimble, Inc. (A)	80,442	5,371,112
TTM Technologies, Inc. (A)	18,311	252,600
Venture Corp., Ltd.	51,900	763,127
Vishay Intertechnology, Inc.	67,364	1,395,108
Vishay Precision Group, Inc. (A)	2,444	76,937
Vontier Corp. (A)	21,597	721,340
Yokogawa Electric Corp.	42,892	855,488
Zebra Technologies Corp., Class A (A)	8,283	3,183,405
		127,416,542
IT services – 3.8%		
Accenture PLC, Class A	100,063	26,137,456
Adyen NV (A)(C)	3,413	7,930,245
Afterpay, Ltd. (A)	39,952	3,631,864
Akamai Technologies, Inc. (A)	26,062	2,736,249
Alliance Data Systems Corp.	15,412	1,142,029
Amadeus IT Group SA	84,659	6,249,294
Atos SE (A)	18,603	1,698,744
Automatic Data Processing, Inc.	67,700	11,928,740
Bechtel AG	5,130	1,126,499
Brightcove, Inc. (A)	7,491	137,834
Broadridge Financial Solutions, Inc.	18,447	2,826,080
CACI International, Inc., Class A (A)	8,106	2,021,069
Capgemini SE	30,251	4,705,612
Cardtronics PLC, Class A (A)	6,788	239,616
Cass Information Systems, Inc.	2,758	107,314
Cognizant Technology Solutions Corp., Class A	84,361	6,913,384
Computershare, Ltd.	91,480	1,029,435
Concentrix Corp. (A)	13,306	1,313,302
Conduent, Inc. (A)	31,209	149,803
CSG Systems International, Inc.	6,117	275,693
DXC Technology Company	40,716	1,048,437
Edenred (B)	46,338	2,631,592
Endurance International Group Holdings, Inc. (A)	12,327	116,490
EVERTEC, Inc.	11,162	438,890
EVO Payments, Inc., Class A (A)	7,654	206,735
ExlService Holdings, Inc. (A)	6,159	524,316
Fidelity National Information Services, Inc.	97,948	13,855,724
Fiserv, Inc. (A)	87,808	9,997,819
FleetCor Technologies, Inc. (A)	13,111	3,577,074
Fujitsu, Ltd.	36,923	5,336,681
Gartner, Inc. (A)	14,293	2,289,596
Global Payments, Inc.	47,253	10,179,241
GMO Payment Gateway, Inc.	7,700	1,034,751

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
GreenSky, Inc., Class A (A)	12,552	\$ 58,116
Grid Dynamics Holdings, Inc. (A)	5,100	64,260
i3 Verticals, Inc., Class A (A)	3,495	116,034
IBM Corp.	140,665	17,706,910
International Money Express, Inc. (A)	5,528	85,795
Itochu Techno-Solutions Corp.	18,000	642,744
Jack Henry & Associates, Inc.	11,658	1,888,479
KBR, Inc.	72,388	2,238,961
Leidos Holdings, Inc.	21,410	2,250,619
Limelight Networks, Inc. (A)(B)	22,471	89,659
LiveRamp Holdings, Inc. (A)	33,169	2,427,639
ManTech International Corp., Class A	5,042	448,435
Mastercard, Inc., Class A	138,966	49,602,524
MAXIMUS, Inc.	31,058	2,273,135
MoneyGram International, Inc. (A)	11,781	64,383
NEC Corp.	48,684	2,614,800
Nexi SpA (A)(C)	82,582	1,643,308
NIC, Inc.	12,245	316,288
Nomura Research Institute, Ltd.	60,200	2,153,566
NTT Data Corp.	118,610	1,623,570
Obic Company, Ltd.	13,100	2,632,808
Otsuka Corp.	19,600	1,033,842
Paychex, Inc.	50,278	4,684,904
PayPal Holdings, Inc. (A)	185,024	43,332,621
Paysign, Inc. (A)	6,829	31,687
Perficient, Inc. (A)	6,042	287,901
Perspecta, Inc.	70,163	1,689,525
Rackspace Technology, Inc. (A)	6,284	119,773
Repay Holdings Corp. (A)	11,248	306,508
Sabre Corp.	101,834	1,224,045
Science Applications International Corp.	18,655	1,765,509
SCSK Corp.	9,800	560,418
ServiceSource International, Inc. (A)	20,425	35,948
StarTek, Inc. (A)	4,119	30,975
Sykes Enterprises, Inc. (A)	7,140	268,964
The Hackett Group, Inc.	4,970	71,518
The Western Union Company	65,836	1,444,442
TIS, Inc.	42,100	863,030
TTEC Holdings, Inc.	3,372	245,920
Tucows, Inc., Class A (A)(B)	1,756	129,751
Unisys Corp. (A)	11,551	227,324
VeriSign, Inc. (A)	15,734	3,404,838
Verra Mobility Corp. (A)	25,119	337,097
Virtusa Corp. (A)	5,420	277,125
Visa, Inc., Class A	267,877	58,592,736
WEX, Inc. (A)	14,178	2,885,648
Wix.com, Ltd. (A)	10,400	2,599,584
Worldline SA (A)(C)	44,989	4,370,594
		355,301,868
Semiconductors and semiconductor equipment – 4.1%		
Advanced Energy Industries, Inc. (A)	7,048	683,445
Advanced Micro Devices, Inc. (A)	189,901	17,415,821
Avantest Corp.	37,500	2,808,819
Alpha & Omega Semiconductor, Ltd. (A)	3,945	93,260
Ambarella, Inc. (A)	6,157	565,336
Amkor Technology, Inc.	18,409	277,608
Analog Devices, Inc.	58,380	8,624,477
Applied Materials, Inc.	144,258	12,449,465
ASM Pacific Technology, Ltd.	57,668	761,603
ASML Holding NV	79,991	38,729,799
Atomera, Inc. (A)(B)	3,715	59,774
Axcelis Technologies, Inc. (A)	6,165	179,525
AXT, Inc. (A)	7,675	73,450
Broadcom, Inc.	63,907	27,981,680
Brooks Automation, Inc.	13,471	914,007

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
CEVA, Inc. (A)	4,097	\$ 186,414
Cirrus Logic, Inc. (A)	18,638	1,532,044
CMC Materials, Inc.	14,747	2,231,221
Cohu, Inc.	7,674	292,993
Cree, Inc. (A)	35,426	3,751,613
CyberOptics Corp. (A)	1,572	35,669
Diodes, Inc. (A)	7,841	552,791
Disco Corp.	5,400	1,819,977
DSP Group, Inc. (A)	4,443	73,709
Enphase Energy, Inc. (A)	40,619	7,127,416
First Solar, Inc. (A)	27,239	2,694,482
FormFactor, Inc. (A)	14,356	617,595
GSI Technology, Inc. (A)	4,613	34,136
Ichor Holdings, Ltd. (A)	4,151	125,132
Impinj, Inc. (A)	3,185	133,356
Infineon Technologies AG	245,412	9,371,942
Intel Corp.	647,297	32,248,337
KLA Corp.	24,400	6,317,404
Lam Research Corp.	22,749	10,743,670
Lasertec Corp.	14,200	1,666,695
Lattice Semiconductor Corp. (A)	25,116	1,150,815
MACOM Technology Solutions Holdings, Inc. (A)	8,754	481,820
Maxeon Solar Technologies, Ltd. (A)(B)	1,851	52,513
Maxim Integrated Products, Inc.	42,765	3,791,117
MaxLinear, Inc. (A)	12,629	482,302
Microchip Technology, Inc.	41,146	5,682,674
Micron Technology, Inc. (A)	175,805	13,217,020
MKS Instruments, Inc.	17,718	2,665,673
Monolithic Power Systems, Inc.	13,636	4,993,912
NeoPhotonics Corp. (A)	9,454	85,937
NVE Corp.	1,113	62,528
NVIDIA Corp.	97,763	51,051,839
Onto Innovation, Inc. (A)	8,830	419,867
PDF Solutions, Inc. (A)	5,476	118,282
Photronics, Inc. (A)	11,661	130,137
Power Integrations, Inc.	10,918	893,747
Qorvo, Inc. (A)	17,679	2,939,487
QUALCOMM, Inc.	178,620	27,210,971
Rambus, Inc. (A)	21,138	369,069
Renesas Electronics Corp. (A)	145,500	1,522,946
Rohm Company, Ltd.	16,442	1,593,899
Semtech Corp. (A)	32,845	2,367,796
Silicon Laboratories, Inc. (A)	22,189	2,825,547
SiTime Corp. (A)	1,700	190,281
Skyworks Solutions, Inc.	26,089	3,988,486
SMART Global Holdings, Inc. (A)	2,634	99,117
SolarEdge Technologies, Inc. (A)	16,469	5,255,587
STMicroelectronics NV	119,780	4,431,350
SUMCO Corp.	49,200	1,080,349
SunPower Corp. (A)(B)	14,226	364,755
Synaptics, Inc. (A)	17,370	1,674,468
Teradyne, Inc.	26,595	3,188,475
Texas Instruments, Inc.	145,134	23,820,843
Tokyo Electron, Ltd.	28,060	10,482,171
Ultra Clean Holdings, Inc. (A)	7,454	232,192
Universal Display Corp.	13,781	3,166,874
Veeco Instruments, Inc. (A)	9,197	159,660
Xilinx, Inc.	38,486	5,456,160
		380,875,331
Software – 5.7%		
8x8, Inc. (A)	19,511	672,544
A10 Networks, Inc. (A)	11,644	114,810
ACI Worldwide, Inc. (A)	58,918	2,264,219
Adobe, Inc. (A)	75,779	37,898,593

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Agilysys, Inc. (A)	3,556	\$ 136,479
Alarm.com Holdings, Inc. (A)	8,840	914,498
Altair Engineering, Inc., Class A (A)(B)	8,044	468,000
American Software, Inc., Class A	5,827	100,050
ANSYS, Inc. (A)	13,456	4,895,293
Appfolio, Inc., Class A (A)	3,044	548,042
Appian Corp. (A)(B)	6,605	1,070,604
Autodesk, Inc. (A)	34,714	10,599,573
Avaya Holdings Corp. (A)	15,479	296,423
AVEVA Group PLC	12,140	530,015
Benefitfocus, Inc. (A)	5,604	81,146
Blackbaud, Inc.	25,233	1,452,411
Blackline, Inc. (A)	9,404	1,254,306
Bottomline Technologies DE, Inc. (A)	8,087	426,508
Box, Inc., Class A (A)	26,107	471,231
Cadence Design Systems, Inc. (A)	43,873	5,985,593
CDK Global, Inc.	39,002	2,021,474
Cerence, Inc. (A)	6,837	686,982
Ceridian HCM Holding, Inc. (A)	41,797	4,453,888
ChannelAdvisor Corp. (A)	5,322	85,046
Check Point Software Technologies, Ltd. (A)	21,126	2,807,857
Citrix Systems, Inc.	19,026	2,475,283
Cloudera, Inc. (A)	38,203	531,404
CommVault Systems, Inc. (A)	23,047	1,276,112
Cornerstone OnDemand, Inc. (A)	11,303	497,784
CyberArk Software, Ltd. (A)	7,300	1,179,607
Dassault Systemes SE	24,830	5,036,007
Digimarc Corp. (A)(B)	2,273	107,377
Digital Turbine, Inc. (A)	15,612	883,015
Domo, Inc., Class B (A)	4,870	310,560
Ebix, Inc.	4,934	187,344
eGain Corp. (A)	4,265	50,370
Envestnet, Inc. (A)	9,867	811,955
Fair Isaac Corp. (A)	9,366	4,786,401
Fortinet, Inc. (A)	21,516	3,195,771
GTY Technology Holdings, Inc. (A)	10,081	52,220
Intelligent Systems Corp. (A)(B)	1,517	60,847
Intuit, Inc.	41,503	15,764,915
j2 Global, Inc. (A)	21,809	2,130,521
LivePerson, Inc. (A)	11,566	719,752
Manhattan Associates, Inc. (A)	20,389	2,144,515
Microsoft Corp.	1,194,057	265,582,158
MicroStrategy, Inc., Class A (A)(B)	1,365	530,371
Mimecast, Ltd. (A)	10,656	605,687
Mitek Systems, Inc. (A)	7,843	139,449
Model N, Inc. (A)	6,379	227,603
Nemetschek SE	10,852	806,503
Nice, Ltd. (A)(B)	11,789	3,335,315
NortonLifeLock, Inc.	94,668	1,967,201
OneSpan, Inc. (A)	6,271	129,684
Oracle Corp.	299,640	19,383,712
Oracle Corp. Japan	7,206	939,335
Paycom Software, Inc. (A)	7,611	3,442,075
Paylocity Holding Corp. (A)	12,061	2,483,481
Ping Identity Holding Corp. (A)	6,867	196,671
Progress Software Corp.	8,350	377,337
PROS Holdings, Inc. (A)	7,362	373,769
PTC, Inc. (A)	33,755	4,037,436
Q2 Holdings, Inc. (A)	9,282	1,174,451
QAD, Inc., Class A	2,183	137,922
Qualys, Inc. (A)	17,111	2,085,318
Rapid7, Inc. (A)	9,536	859,766
Sailpoint Technologies Holdings, Inc. (A)	45,681	2,432,056
salesforce.com, Inc. (A)	144,492	32,153,805

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
SAP SE	196,233	\$ 25,415,839
Sapiens International Corp. NV	4,923	150,693
ServiceNow, Inc. (A)	30,723	16,910,861
ShotSpotter, Inc. (A)	1,649	62,167
Smith Micro Software, Inc. (A)(B)	8,022	43,479
Sprout Social, Inc., Class A (A)	5,189	235,632
SPS Commerce, Inc. (A)	6,532	709,310
Sumo Logic, Inc. (A)(B)	2,579	73,708
SVMK, Inc. (A)	22,634	578,299
Synchronoss Technologies, Inc. (A)	8,542	40,147
Synopsys, Inc. (A)	23,913	6,199,206
TeamViewer AG (A)(B)(C)	28,339	1,522,297
Telenav, Inc. (A)	7,925	37,248
Temenos AG	12,538	1,746,913
Tenable Holdings, Inc. (A)	13,147	687,062
Teradata Corp. (A)	35,206	791,079
The Sage Group PLC	205,009	1,627,817
Trend Micro, Inc. (B)	25,064	1,443,012
Tyler Technologies, Inc. (A)	6,446	2,813,808
Upland Software, Inc. (A)	4,916	225,595
Varonis Systems, Inc. (A)	5,812	950,901
Verint Systems, Inc. (A)	11,905	799,778
Veritone, Inc. (A)(B)	4,389	124,867
VirnetX Holding Corp. (B)	12,358	62,284
WiseTech Global, Ltd.	27,377	650,619
Workiva, Inc. (A)	7,355	673,865
Xero, Ltd. (A)	22,818	2,589,822
Xperi Holding Corp.	19,476	407,048
Yext, Inc. (A)	19,208	301,950
Zix Corp. (A)	10,740	92,686
Zuora, Inc., Class A (A)	18,989	264,517
		534,070,959
Technology hardware, storage and peripherals – 3.9%		
3D Systems Corp. (A)(B)	22,266	233,348
Apple, Inc.	2,523,749	334,876,255
Avid Technology, Inc. (A)	5,987	95,014
Brother Industries, Ltd.	41,836	863,640
Canon, Inc. (B)	187,977	3,641,589
Corsair Gaming, Inc. (A)(B)	2,763	100,076
Diebold Nixdorf, Inc. (A)	13,235	141,085
Eastman Kodak Company (A)(B)	3,097	25,210
FUJIFILM Holdings Corp.	67,738	3,573,315
Hewlett Packard Enterprise Company	206,052	2,441,716
HP, Inc.	215,908	5,309,178
Immersion Corp. (A)	3,663	41,355
Intevac, Inc. (A)	5,403	38,956
Logitech International SA	30,904	3,000,622
NCR Corp. (A)	41,472	1,558,103
NetApp, Inc.	35,561	2,355,561
Quantum Corp. (A)	6,391	39,113
Ricoh Company, Ltd.	125,977	828,410
Seagate Technology PLC	35,751	2,222,282
Seiko Epson Corp.	52,547	780,855
Super Micro Computer, Inc. (A)	8,227	260,467
Western Digital Corp.	48,458	2,684,089
Xerox Holdings Corp.	24,391	565,627
		365,675,866
		1,824,718,084
Materials – 4.5%		
Chemicals – 2.4%		
AdvanSix, Inc. (A)	5,175	103,448
Air Liquide SA	88,983	14,588,480
Air Products & Chemicals, Inc.	34,898	9,534,832
Air Water, Inc.	34,507	613,991

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Akzo Nobel NV	36,262	\$ 3,892,167
Albemarle Corp.	17,036	2,513,151
American Vanguard Corp.	5,699	88,448
Amyris, Inc. (A)	20,781	128,323
Arkema SA	12,978	1,484,967
Asahi Kasei Corp.	235,757	2,416,540
Ashland Global Holdings, Inc.	17,578	1,392,178
Avient Corp.	46,388	1,868,509
Balchem Corp.	5,984	689,476
BASF SE	172,603	13,643,000
Cabot Corp.	18,237	818,477
Celanese Corp.	18,192	2,363,868
CF Industries Holdings, Inc.	34,259	1,326,166
Chase Corp.	1,374	138,788
Chr. Hansen Holding A/S (A)	19,822	2,048,042
Clariant AG	37,428	794,072
Corteva, Inc.	117,389	4,545,302
Covestro AG (C)	34,491	2,125,108
Croda International PLC	26,218	2,357,783
Dow, Inc.	116,887	6,487,229
DuPont de Nemours, Inc.	115,761	8,231,765
Eastman Chemical Company	21,681	2,174,171
Ecoblab, Inc.	39,198	8,480,879
EMS-Chemie Holding AG	1,538	1,479,498
Evonik Industries AG	39,407	1,287,999
Ferro Corp. (A)	15,167	221,893
FMC Corp.	20,754	2,385,257
FutureFuel Corp.	4,899	62,217
GCP Applied Technologies, Inc. (A)	9,153	216,468
Givaudan SA	1,735	7,340,476
Hawkins, Inc.	1,860	97,297
HB Fuller Company	9,535	494,676
ICL Group, Ltd.	132,355	675,632
Ingevity Corp. (A)	21,046	1,593,814
Innospec, Inc.	4,541	412,005
International Flavors & Fragrances, Inc. (B)	17,128	1,864,212
Intrepid Potash, Inc. (A)	2,175	52,526
Johnson Matthey PLC	36,368	1,204,896
JSR Corp.	38,290	1,067,624
Kansai Paint Company, Ltd.	33,254	1,025,066
Koninklijke DSM NV	32,389	5,569,974
Koppers Holdings, Inc. (A)	3,933	122,552
Kraton Corp. (A)	5,833	162,099
Kronos Worldwide, Inc.	4,204	62,682
Kuraray Company, Ltd.	60,006	638,893
LANXESS AG	15,612	1,187,303
Linde PLC	82,897	21,844,188
Livent Corp. (A)	27,353	515,331
LyondellBasell Industries NV, Class A	40,072	3,673,000
Minerals Technologies, Inc.	17,106	1,062,625
Mitsubishi Chemical Holdings Corp.	240,659	1,457,995
Mitsubishi Gas Chemical Company, Inc.	29,670	682,273
Mitsui Chemicals, Inc.	34,618	1,016,915
NewMarket Corp.	2,364	941,558
Nippon Paint Holdings Company, Ltd.	27,500	3,021,766
Nippon Sanso Holdings Corp.	28,457	529,343
Nissan Chemical Corp.	23,200	1,454,745
Nitto Denko Corp.	29,787	2,668,320
Novozymes A/S, B Shares	39,112	2,227,817
Olin Corp.	45,890	1,127,058
Orica, Ltd.	76,270	892,039
Orion Engineered Carbons SA	11,228	192,448
PPG Industries, Inc.	37,111	5,352,148
PQ Group Holdings, Inc.	7,187	102,487

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Quaker Chemical Corp.	2,463	\$ 624,100
Rayonier Advanced Materials, Inc. (A)	11,870	77,392
RPM International, Inc.	41,764	3,791,336
Sensient Technologies Corp.	21,530	1,588,268
Shin-Etsu Chemical Company, Ltd.	66,546	11,679,869
Sika AG	26,644	7,262,974
Solvay SA	13,928	1,642,592
Stepan Company	3,961	472,627
Sumitomo Chemical Company, Ltd.	279,944	1,128,392
Symrise AG	24,177	3,214,171
Teijin, Ltd.	33,448	629,428
The Chemours Company	53,049	1,315,085
The Mosaic Company	55,256	1,271,441
The Scotts Miracle-Gro Company	13,081	2,604,950
The Sherwin-Williams Company	12,900	9,480,339
Toray Industries, Inc.	260,572	1,545,557
Tosoh Corp.	48,900	764,021
Trecora Resources (A)	6,421	44,883
Tredegar Corp.	5,084	84,903
Trinseo SA	7,108	364,001
Tronox Holdings PLC, Class A	16,649	243,408
Umicore SA	37,042	1,780,426
Valvoline, Inc.	59,206	1,370,027
Yara International ASA	32,752	1,358,734
		227,175,199
Construction materials – 0.3%		
CRH PLC	147,512	6,273,179
Eagle Materials, Inc.	13,487	1,366,907
Forterra, Inc. (A)	5,383	92,561
HeidelbergCement AG	27,965	2,082,148
James Hardie Industries PLC, CHESS Depositary Interest (A)	83,311	2,469,090
LafargeHolcim, Ltd. (A)	98,385	5,400,133
Martin Marietta Materials, Inc.	9,974	2,832,317
Summit Materials, Inc., Class A (A)	21,398	429,672
Taiheiyō Cement Corp.	21,470	537,804
U.S. Concrete, Inc. (A)	3,033	121,229
United States Lime & Minerals, Inc.	419	47,766
Vulcan Materials Company	20,502	3,040,652
		24,693,458
Containers and packaging – 0.3%		
Amcort PLC	242,618	2,855,614
AptarGroup, Inc.	20,825	2,850,734
Avery Dennison Corp.	13,369	2,073,666
Ball Corp.	51,222	4,772,866
Greif, Inc., Class A	13,366	626,598
Greif, Inc., Class B	941	45,526
International Paper Company	60,972	3,031,528
Myers Industries, Inc.	6,850	142,343
O-I Glass, Inc.	79,735	948,847
Packaging Corp. of America	15,191	2,094,991
Pactiv Evergreen, Inc. (A)	6,897	125,112
Ranpak Holdings Corp. (A)	5,701	76,621
Sealed Air Corp.	24,937	1,141,865
Silgan Holdings, Inc.	25,070	929,596
Smurfit Kappa Group PLC	46,056	2,152,805
Sonoco Products Company	32,204	1,908,087
UFP Technologies, Inc. (A)	1,429	66,591
Westrock Company	41,588	1,810,326
		27,653,716
Metals and mining – 1.4%		
1911 Gold Corp. (A)	3,149	1,337
Alcoa Corp. (A)	34,694	799,697
Allegheny Technologies, Inc. (A)	23,647	396,560

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Anglo American PLC	230,534	\$ 7,612,748
Antofagasta PLC	74,107	1,453,918
ArceclorMittal SA (A)	134,707	3,080,742
Arconic Corp. (A)	18,433	549,303
BHP Group PLC	396,904	10,480,008
BHP Group, Ltd.	553,588	18,088,234
BlueScope Steel, Ltd.	94,452	1,275,553
Boliden AB	51,398	1,823,464
Caledonia Mining Corp. PLC	2,474	39,287
Carpenter Technology Corp.	8,910	259,459
Century Aluminum Company (A)	9,512	104,917
Cleveland-Cliffs, Inc. (B)	73,195	1,065,719
Coeur Mining, Inc. (A)	45,143	467,230
Commercial Metals Company	60,377	1,240,144
Compass Minerals International, Inc.	17,277	1,066,336
Evolution Mining, Ltd.	305,004	1,173,766
Evraz PLC	95,819	612,372
Fortescue Metals Group, Ltd.	318,232	5,748,034
Fortitude Gold Corp. (A)(D)	4,000	4,200
Freeport-McMoRan, Inc.	228,585	5,947,782
Fresnillo PLC	34,620	534,727
Gatos Silver, Inc. (A)	4,705	61,306
Glencore PLC (A)	1,877,952	5,963,988
Gold Resource Corp.	14,001	40,743
Haynes International, Inc.	2,561	61,054
Hecla Mining Company	96,786	627,173
Hitachi Metals, Ltd.	40,264	612,171
JFE Holdings, Inc. (A)	92,333	886,517
Kaiser Aluminum Corp.	2,949	291,656
Materion Corp.	3,800	242,136
Newcrest Mining, Ltd.	153,357	3,060,661
Newmont Corp.	126,759	7,591,597
Nippon Steel Corp. (A)	151,800	1,957,790
Norsk Hydro ASA	252,722	1,176,187
Northern Star Resources, Ltd.	139,205	1,360,587
Novagold Resources, Inc. (A)	43,881	424,329
Nucor Corp.	48,357	2,572,109
Reliance Steel & Aluminum Company	20,484	2,452,959
Rio Tinto PLC	210,854	15,871,634
Rio Tinto, Ltd.	69,760	6,134,801
Royal Gold, Inc.	21,067	2,240,686
Ryerson Holding Corp. (A)	3,207	43,743
Schnitzer Steel Industries, Inc., Class A	4,866	155,274
South32, Ltd.	910,712	1,740,522
Steel Dynamics, Inc.	64,209	2,367,386
Sumitomo Metal Mining Company, Ltd.	43,707	1,944,130
SunCoke Energy, Inc.	16,046	69,800
TimkenSteel Corp. (A)	9,791	45,724
United States Steel Corp.	111,856	1,875,825
voestalpine AG	21,809	778,377
Warrior Met Coal, Inc.	9,439	201,239
Worthington Industries, Inc.	18,374	943,321
		127,620,962
Paper and forest products – 0.1%		
Boise Cascade Company	7,276	347,793
Clearwater Paper Corp. (A)	3,045	114,949
Domtar Corp.	27,992	885,947
Glatfelter Corp.	8,415	137,838
Louisiana-Pacific Corp.	55,428	2,060,259
Mondi PLC	91,246	2,138,063
Neenah, Inc.	3,190	176,471
Oji Holdings Corp.	162,038	922,498
Schweitzer-Mauduit International, Inc.	5,778	232,333
Stora Enso OYJ, R Shares	109,325	2,093,323

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Paper and forest products (continued)		
Svenska Cellulosa AB SCA, B Shares (A)(B)	113,854	\$ 1,990,638
UPM-Kymmene OYJ	100,302	3,740,427
Verso Corp., Class A	5,929	71,267
		14,911,806
		422,055,141
Real estate – 3.2%		
Equity real estate investment trusts – 2.6%		
Acadia Realty Trust	15,913	225,805
Agree Realty Corp.	9,791	651,885
Alexander & Baldwin, Inc.	13,592	233,511
Alexander's, Inc.	401	111,217
Alexandria Real Estate Equities, Inc.	19,478	3,471,369
American Assets Trust, Inc.	9,412	271,819
American Campus Communities, Inc.	44,152	1,888,381
American Finance Trust, Inc.	20,297	150,807
American Tower Corp.	70,207	15,758,663
Apartment Income REIT Corp. (A)	47,822	1,836,843
Armada Hoffer Properties, Inc.	10,971	123,095
Ascendas Real Estate Investment Trust	604,178	1,363,906
AvalonBay Communities, Inc.	21,925	3,517,428
Bluerock Residential Growth REIT, Inc.	5,349	67,772
Boston Properties, Inc.	22,686	2,144,508
Brixmor Property Group, Inc.	94,965	1,571,671
Broadstone Net Lease, Inc., Class A	6,305	123,452
BRT Apartments Corp.	2,988	45,418
Camden Property Trust	31,326	3,130,094
Capitaland Integrated Commercial Trust	851,194	1,392,065
CareTrust REIT, Inc.	17,795	394,693
CatchMark Timber Trust, Inc., Class A	9,942	93,057
Centerspace	2,413	170,454
Chatham Lodging Trust	8,923	96,368
CIM Commercial Trust Corp.	3,257	46,380
City Office REIT, Inc.	8,467	82,723
Colony Capital, Inc.	89,945	432,635
Columbia Property Trust, Inc.	21,360	306,302
Community Healthcare Trust, Inc.	4,027	189,712
CoreCivic, Inc.	22,222	145,554
CorePoint Lodging, Inc.	8,287	57,015
CoreSite Realty Corp.	13,738	1,721,097
Corporate Office Properties Trust	36,234	944,983
Cousins Properties, Inc.	47,623	1,595,371
Covivio	9,766	896,147
Crown Castle International Corp.	68,159	10,850,231
CyrusOne, Inc.	38,737	2,833,612
Daiwa House REIT Investment Corp.	371	917,805
Dexus	205,057	1,487,264
DiamondRock Hospitality Company (A)	37,362	308,237
Digital Realty Trust, Inc.	44,197	6,165,923
Diversified Healthcare Trust	44,493	183,311
Douglas Emmett, Inc.	52,825	1,541,434
Duke Realty Corp.	59,356	2,372,459
Easterly Government Properties, Inc.	14,898	337,440
EastGroup Properties, Inc.	19,838	2,738,834
EPR Properties	24,099	783,218
Equinix, Inc.	14,043	10,029,230
Equity Residential	53,186	3,152,866
Essential Properties Realty Trust, Inc.	18,937	401,464
Essex Property Trust, Inc.	10,036	2,382,747
Extra Space Storage, Inc.	20,674	2,395,290
Farmland Partners, Inc.	6,378	55,489
Federal Realty Investment Trust	11,026	938,533
First Industrial Realty Trust, Inc.	41,523	1,749,364
Four Corners Property Trust, Inc.	13,026	387,784
Franklin Street Properties Corp.	19,719	86,172

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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)		
Front Yard Residential Corp.	9,413	\$ 152,491
Gecina SA	8,615	1,339,633
Getty Realty Corp.	6,208	170,968
Gladstone Commercial Corp.	6,502	117,036
Gladstone Land Corp.	4,782	70,008
Global Medical REIT, Inc.	8,128	106,152
Global Net Lease, Inc.	16,803	288,003
GLP J-REIT	711	1,121,966
Goodman Group	311,849	4,558,444
Healthcare Realty Trust, Inc.	68,918	2,039,973
Healthpeak Properties, Inc.	82,992	2,508,848
Hersha Hospitality Trust	7,012	55,325
Highwoods Properties, Inc.	33,234	1,317,063
Host Hotels & Resorts, Inc.	112,967	1,652,707
Hudson Pacific Properties, Inc.	48,844	1,173,233
Independence Realty Trust, Inc.	17,468	234,595
Industrial Logistics Properties Trust	11,849	275,963
Innovative Industrial Properties, Inc.	4,004	733,253
Iron Mountain, Inc.	46,158	1,360,738
iStar, Inc.	13,449	199,718
Japan Real Estate Investment Corp.	247	1,427,251
Japan Retail Fund Investment Corp.	489	889,955
JBG SMITH Properties	35,723	1,117,058
Kilroy Realty Corp.	33,639	1,930,879
Kimco Realty Corp.	69,279	1,039,878
Kite Realty Group Trust	15,449	231,117
Kleppierre SA	36,637	826,310
Lamar Advertising Company, Class A	27,745	2,308,939
Land Securities Group PLC	132,375	1,222,617
Lexington Realty Trust	50,469	535,981
Life Storage, Inc.	15,640	1,867,260
Link REIT	388,706	3,530,140
LTC Properties, Inc.	7,168	278,907
Mack-Cali Realty Corp.	16,313	203,260
Mapletree Commercial Trust	404,800	652,526
Mapletree Logistics Trust	543,300	826,884
Medical Properties Trust, Inc.	172,419	3,757,010
Mid-America Apartment Communities, Inc.	18,319	2,320,834
Mirvac Group	739,856	1,502,627
Monmouth Real Estate Investment Corp.	17,435	301,974
National Health Investors, Inc.	7,890	545,751
National Retail Properties, Inc.	55,729	2,280,431
National Storage Affiliates Trust	11,636	419,245
NETSTREIT Corp.	2,572	50,128
New Senior Investment Group, Inc.	15,919	82,460
NexPoint Residential Trust, Inc.	4,029	170,467
Nippon Building Fund, Inc. (B)	278	1,612,316
Nippon Prologis REIT, Inc.	394	1,230,878
Nomura Real Estate Master Fund, Inc.	797	1,140,541
Office Properties Income Trust	9,059	205,820
Omega Healthcare Investors, Inc.	72,968	2,650,198
One Liberty Properties, Inc.	3,353	67,295
Orix JREIT, Inc.	493	815,584
Park Hotels & Resorts, Inc.	75,350	1,292,253
Pebblebrook Hotel Trust	66,595	1,251,986
Physicians Realty Trust	105,772	1,882,742
Piedmont Office Realty Trust, Inc., Class A	23,337	378,760
Plymouth Industrial REIT, Inc.	5,214	78,210
PotlatchDeltic Corp.	33,772	1,689,275
Preferred Apartment Communities, Inc., Class A	9,751	72,157
Prologis, Inc.	116,806	11,640,886
PS Business Parks, Inc.	10,164	1,350,491
Public Storage	23,925	5,525,000

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
QTS Realty Trust, Inc., Class A	11,513	\$ 712,424
Rayonier, Inc.	44,093	1,295,452
Realty Income Corp.	55,269	3,436,074
Regency Centers Corp.	25,270	1,152,059
Retail Opportunity Investments Corp.	21,663	290,068
Retail Properties of America, Inc., Class A	40,059	342,905
Retail Value, Inc.	3,636	54,067
Rexford Industrial Realty, Inc.	41,997	2,062,473
RLJ Lodging Trust	30,779	435,523
RPT Realty	15,296	132,310
Ryman Hospitality Properties, Inc.	9,413	637,825
Sabra Health Care REIT, Inc.	104,551	1,816,051
Safehold, Inc.	3,215	233,055
Saul Centers, Inc.	2,310	73,181
SBA Communications Corp.	17,547	4,950,535
Scentre Group	975,396	2,095,139
Segro PLC	223,803	2,904,012
Seritage Growth Properties, Class A (A)	6,408	94,069
Service Properties Trust	83,853	963,471
Simon Property Group, Inc.	52,098	4,442,917
SITE Centers Corp.	28,583	289,260
SL Green Realty Corp.	11,733	699,052
Spirit Realty Capital, Inc.	36,696	1,474,078
STAG Industrial, Inc.	27,771	869,788
Stockland	448,184	1,446,994
STORE Capital Corp.	75,972	2,581,529
Summit Hotel Properties, Inc.	19,480	175,515
Sunstone Hotel Investors, Inc.	40,141	454,798
Suntec Real Estate Investment Trust	371,100	418,530
Tanger Factory Outlet Centers, Inc.	17,003	169,350
Terreno Realty Corp.	12,325	721,136
The British Land Company PLC	165,438	1,108,023
The GEO Group, Inc.	21,612	191,482
The GPT Group	366,057	1,273,267
The Macerich Company	64,106	684,011
UDR, Inc.	47,265	1,816,394
UMH Properties, Inc.	7,194	106,543
Unibail-Rodamco-Westfield (B)	26,022	2,026,720
United Urban Investment Corp.	557	689,576
Uniti Group, Inc.	36,121	423,699
Universal Health Realty Income Trust	2,460	158,104
Urban Edge Properties	57,151	739,534
Univest Biddle Properties, Inc., Class A	5,733	81,007
Ventas, Inc.	59,762	2,930,728
Vicinity Centres	727,166	899,119
Vornado Realty Trust	25,107	937,495
Washington Real Estate Investment Trust	15,396	333,015
Weingarten Realty Investors	38,894	842,833
Welltower, Inc.	65,365	4,223,886
Weyerhaeuser Company	116,636	3,910,805
Whitestone REIT	8,142	64,892
Xenia Hotels & Resorts, Inc.	21,269	323,289
		241,219,367
Real estate management and development – 0.6%		
Aeon Mall Company, Ltd.	19,231	317,615
Aroundtown SA	187,742	1,399,791
Azrieli Group, Ltd.	7,976	506,931
CapitaLand, Ltd.	495,784	1,230,173
CBRE Group, Inc., Class A (A)	52,211	3,274,674
City Developments, Ltd.	85,413	514,882
CK Asset Holdings, Ltd.	486,062	2,487,130
CTO Realty Growth, Inc.	1,394	58,771
Cushman & Wakefield PLC (A)	20,624	305,854
Daito Trust Construction Company, Ltd.	12,311	1,150,519
Daiwa House Industry Company, Ltd.	106,466	3,165,520

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Real estate management and development (continued)		
Deutsche Wohnen SE	64,238	\$ 3,427,405
ESR Cayman, Ltd. (A)(C)	316,200	1,135,048
eXp World Holdings, Inc. (A)	4,610	290,983
Fastighets AB Balder, B Shares (A)	19,029	993,586
Fathom Holdings, Inc. (A)	1,035	37,301
Forestar Group, Inc. (A)	3,220	64,980
FRP Holdings, Inc. (A)	1,414	64,408
Griffin Industrial Realty, Inc. (A)	695	43,438
Hang Lung Properties, Ltd.	380,313	1,002,223
Henderson Land Development Company, Ltd.	272,709	1,059,380
Hongkong Land Holdings, Ltd.	219,334	905,886
Hulic Company, Ltd. (B)	56,969	626,669
Jones Lang LaSalle, Inc. (A)	16,493	2,447,066
Kennedy-Wilson Holdings, Inc.	22,475	402,078
LEG Immobilien AG	13,414	2,081,112
Lendlease Corp., Ltd.	129,339	1,307,723
Marcus & Millichap, Inc. (A)	4,322	160,908
Mitsubishi Estate Company, Ltd.	222,224	3,571,768
Mitsui Fudosan Company, Ltd.	172,326	3,608,429
New World Development Company, Ltd.	287,392	1,337,064
Newmark Group, Inc., Class A	26,779	195,219
Nomura Real Estate Holdings, Inc.	21,763	482,564
Rafael Holdings, Inc., Class B (A)	1,927	44,938
RE/MAX Holdings, Inc., Class A	3,359	122,032
Realogy Holdings Corp. (A)	21,260	278,931
Redfin Corp. (A)	18,453	1,266,429
Sino Land Company, Ltd.	595,722	775,222
Sumitomo Realty & Development Company, Ltd.	58,183	1,796,271
Sun Hung Kai Properties, Ltd.	244,814	3,130,920
Swire Pacific, Ltd., Class A	93,518	515,135
Swire Properties, Ltd.	219,887	639,306
Swiss Prime Site AG	14,276	1,399,501
Tejon Ranch Company (A)	4,439	64,144
The RMR Group, Inc., Class A	2,922	112,848
The St. Joe Company	6,102	259,030
Tokyu Fudosan Holdings Corp.	114,981	614,184
UOL Group, Ltd.	87,170	508,295
Vonovia SE	97,988	7,156,462
Wharf Real Estate Investment Company, Ltd.	313,346	1,628,493
		59,969,239
		301,188,606
Utilities – 3.1%		
Electric utilities – 1.8%		
ALLETE, Inc.	26,355	1,632,429
Alliant Energy Corp.	39,988	2,060,582
American Electric Power Company, Inc.	78,287	6,518,958
AusNet Services	352,650	477,941
Chubu Electric Power Company, Inc.	121,129	1,461,782
CK Infrastructure Holdings, Ltd.	124,343	667,772
CLP Holdings, Ltd.	308,834	2,855,676
Duke Energy Corp.	116,360	10,653,922
Edison International	59,016	3,707,385
EDP - Energias de Portugal SA	521,895	3,275,676
Electricite de France SA (A)	116,650	1,845,909
Elia Group SA/NV (B)	5,805	692,887
Endesa SA	59,690	1,637,231
Enel SpA	1,528,430	15,551,359
Entergy Corp.	31,091	3,104,125
Eversource Energy	36,332	2,016,789
Exelon Corp.	153,779	6,492,549
FirstEnergy Corp.	86,836	2,658,050

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
Fortum OYJ	83,465	\$ 2,016,525
Hawaiian Electric Industries, Inc.	35,265	1,248,028
HK Electric Investments & HK Electric Investments, Ltd.	498,000	490,130
Iberdrola SA	1,133,645	16,290,807
IDACORP, Inc.	16,163	1,552,133
Kyushu Electric Power Company, Inc.	71,318	615,250
Mercury NZ, Ltd.	128,008	602,428
MGE Energy, Inc.	6,907	483,697
NextEra Energy, Inc.	309,627	23,887,723
NRG Energy, Inc.	39,106	1,468,430
OGE Energy Corp.	64,238	2,046,623
Orsted A/S (C)	35,550	7,273,714
Otter Tail Corp.	7,660	326,393
Pinnacle West Capital Corp.	18,029	1,441,419
PNM Resources, Inc.	40,405	1,960,855
Portland General Electric Company	16,605	710,196
Power Assets Holdings, Ltd.	260,736	1,412,050
PPL Corp.	119,547	3,371,225
Red Electrica Corp. SA	81,342	1,670,038
SSE PLC	195,377	4,001,942
Terna Rete Elettrica Nazionale SpA	264,400	2,031,697
The Chugoku Electric Power Company, Inc.	54,536	640,009
The Kansai Electric Power Company, Inc.	132,324	1,251,529
The Southern Company	166,926	10,254,264
Tohoku Electric Power Company, Inc.	80,365	663,265
Tokyo Electric Power Company Holdings, Inc. (A)	271,828	718,005
Verbund AG (B)	12,796	1,087,112
Xcel Energy, Inc.	82,651	5,510,342
		166,985,725
Gas utilities – 0.3%		
APA Group	221,727	1,649,753
Atmos Energy Corp.	19,758	1,885,506
Brookfield Infrastructure Corp., Class A	5,867	424,184
Chesapeake Utilities Corp.	3,032	328,093
Enagas SA	46,770	1,028,927
Hong Kong & China Gas Company, Ltd.	2,003,593	2,997,589
National Fuel Gas Company	29,076	1,195,896
Naturgy Energy Group SA	55,482	1,290,185
New Jersey Resources Corp.	48,589	1,727,339
Northwest Natural Holding Company	5,777	265,684
ONE Gas, Inc.	26,750	2,053,598
Osaka Gas Company, Ltd.	70,475	1,444,565
Snam SpA	378,944	2,140,122
South Jersey Industries, Inc.	18,836	405,916
Southwest Gas Holdings, Inc.	28,513	1,732,165
Spire, Inc.	25,859	1,656,010
Toho Gas Company, Ltd.	13,884	919,821
Tokyo Gas Company, Ltd.	70,696	1,636,271
UGI Corp.	66,921	2,339,558
		27,121,182
Independent power and renewable electricity producers – 0.1%		
Atlantic Power Corp. (A)	23,758	49,892
Brookfield Renewable Corp., Class A	18,956	1,104,566
Clearway Energy, Inc., Class A	6,675	197,246
Clearway Energy, Inc., Class C	14,974	478,120
Meridian Energy, Ltd.	240,787	1,289,560
Ormat Technologies, Inc.	7,344	663,016
Sunnova Energy International, Inc. (A)	9,885	446,110
The AES Corp.	106,542	2,503,737

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Independent power and renewable electricity producers (continued)		
Uniper SE (B)	37,825	\$ 1,310,629
		8,042,876
Multi-utilities – 0.8%		
AGL Energy, Ltd.	117,101	1,080,885
Ameren Corp.	39,577	3,089,381
Avista Corp.	12,572	504,640
Black Hills Corp.	31,861	1,957,858
CenterPoint Energy, Inc.	87,269	1,888,501
CMS Energy Corp.	45,857	2,797,736
Consolidated Edison, Inc.	53,579	3,872,154
Dominion Energy, Inc.	128,910	9,694,032
DTE Energy Company	30,859	3,746,591
E.ON SE (B)	421,912	4,671,931
Engie SA (A)	343,233	5,261,765
MDU Resources Group, Inc.	64,264	1,692,714
National Grid PLC	661,520	7,817,467
NiSource, Inc.	61,351	1,407,392
NorthWestern Corp.	25,693	1,498,159
Public Service Enterprise Group, Inc.	79,291	4,622,665
RWE AG	120,723	5,107,457
Sempra Energy	45,572	5,806,329
Suez SA	64,946	1,287,182
Unitil Corp.	2,893	128,073
Veolia Environnement SA	101,272	2,497,097
WEC Energy Group, Inc.	49,460	4,551,804
		74,981,813
Water utilities – 0.1%		
American States Water Company	6,893	548,062
American Water Works Company, Inc.	28,371	4,354,097
Artesian Resources Corp., Class A	1,978	73,344
Cadiz, Inc. (A)(B)	5,695	60,652
California Water Service Group	9,268	500,750
Consolidated Water Company, Ltd.	4,047	48,766
Essential Utilities, Inc.	71,774	3,394,192
Global Water Resources, Inc.	3,675	52,957
Middlesex Water Company	3,225	233,716
Pure Cycle Corp. (A)	5,735	64,404
Sewern Trent PLC	44,866	1,400,629
SJW Group	5,005	347,147
The York Water Company	2,461	114,683
United Utilities Group PLC	128,142	1,567,301
		12,760,700
		289,892,296
TOTAL COMMON STOCKS (Cost \$4,834,505,216)		\$ 9,075,336,670

PREFERRED SECURITIES – 0.2%

Consumer discretionary – 0.1%

Automobiles – 0.1%

Bayerische Motoren Werke AG	10,687	719,930
Porsche Automobil Holding SE	28,773	1,987,548
Volkswagen AG	34,875	6,517,570
		9,225,048

Consumer staples – 0.1%

Household products – 0.1%

Henkel AG & Company KGaA	33,480	3,775,020
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Health care – 0.0%

Health care equipment and supplies – 0.0%

Sartorius AG (B)	6,684	2,815,163
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Materials – 0.0%

Strategic Equity Allocation Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES (continued)		
Chemicals – 0.0%		
FUCHS PETROLUB SE	13,060	\$ 736,878
TOTAL PREFERRED SECURITIES (Cost \$11,759,066)		\$ 16,552,109
RIGHTS – 0.0%		
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(E)	54,671	45,104
TOTAL RIGHTS (Cost \$16,278)		\$ 45,104
WARRANTS – 0.0%		
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (A)	200,486	52,086
Whiting Petroleum Corp., Class A (Expiration Date: 9-1-24; Strike Price: \$73.44) (A)	917	1,605
Whiting Petroleum Corp., Class B (Expiration Date: 9-1-25; Strike Price: \$83.45) (A)	458	870
TOTAL WARRANTS (Cost \$15,655)		\$ 54,561
SHORT-TERM INVESTMENTS – 3.5%		
U.S. Government Agency – 2.3%		
Federal Home Loan Bank Discount Note 0.060%, 03/12/2021 *	\$ 60,000,000	59,989,950
0.070%, 02/19/2021 *	9,890,000	9,888,989
0.071%, 02/03/2021 *	91,700,000	91,693,886
0.075%, 01/27/2021 *	57,000,000	56,997,451
		218,570,276
Short-term funds – 1.0%		
John Hancock Collateral Trust, 0.1386% (F)(G)	9,329,382	93,350,730
Repurchase agreement – 0.2%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$19,408,000 on 1-4-21, collateralized by \$19,819,400 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$19,796,350)	\$ 19,408,000	19,408,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$331,339,713)		\$ 331,329,006
Total Investments (Strategic Equity Allocation Trust) (Cost \$5,177,635,928) – 100.4%		\$ 9,423,317,450
Other assets and liabilities, net – (0.4%)		(39,961,650)
TOTAL NET ASSETS – 100.0%		\$ 9,383,355,800

Currency Abbreviations

CHF Swiss Franc

Security Abbreviations and Legend

ADR	American Depositary Receipt
(A)	Non-income producing security.
(B)	All or a portion of this security is on loan as of 12-31-20.
(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 12-31-20.
(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.

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Strategic Equity Allocation 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)
MSCI EAFE Index Futures	718	Long	Mar 2021	\$74,637,838	\$76,495,720	\$1,857,882
Russell 2000 E-Mini Index Futures	195	Long	Mar 2021	18,697,787	19,254,300	556,513
S&P 500 Index E-Mini Futures	974	Long	Mar 2021	178,299,748	182,566,561	4,266,813
S&P Mid 400 Index E-Mini Futures	50	Long	Mar 2021	11,260,385	11,517,500	257,115
						\$6,938,323

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

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

Total Stock Market Index Trust

	Shares or Principal Amount	Value
COMMON STOCKS – 99.3%		
Communication services – 10.5%		
Diversified telecommunication services – 1.2%		
AT&T, Inc.	139,777	\$ 4,019,987
ATN International, Inc.	316	13,196
Bandwidth, Inc., Class A (A)	499	76,681
CenturyLink, Inc.	21,754	212,102
Cincinnati Bell, Inc. (A)	1,094	16,716
Cogent Communications Holdings, Inc.	979	58,613
Consolidated Communications Holdings, Inc. (A)	1,652	8,078
Globalstar, Inc. (A)	32,583	11,033
IDT Corp., Class B (A)	637	7,873
Iridium Communications, Inc. (A)	2,764	108,694
Ooma, Inc. (A)	511	7,358
ORBCOMM, Inc. (A)	2,046	15,181
Verizon Communications, Inc.	80,960	4,756,400
Vonage Holdings Corp. (A)	5,098	65,637
		9,377,549
Entertainment – 2.0%		
Activision Blizzard, Inc.	15,337	1,424,040
AMC Entertainment Holdings, Inc., Class A (B)	2,313	4,904
Chicken Soup For The Soul Entertainment, Inc. (A)	15	300
Cinemark Holdings, Inc.	2,446	42,585
Electronic Arts, Inc.	5,688	816,797
Gaia, Inc. (A)	509	5,029
Glu Mobile, Inc. (A)	3,150	28,382
Liberty Media Corp.-Liberty Braves, Class A (A)	1,147	28,526
Liberty Media Corp.-Liberty Formula One, Series A (A)	4,894	185,923
Lions Gate Entertainment Corp., Class B (A)	4,693	48,713
Live Nation Entertainment, Inc. (A)	4,462	327,868
LiveXLive Media, Inc. (A)	863	2,831
Madison Square Garden Entertainment Corp. (A)	499	52,415
Madison Square Garden Sports Corp. (A)	499	91,866
Netflix, Inc. (A)	8,728	4,719,491
Reading International, Inc., Class A (A)	608	3,052
Roku, Inc. (A)	2,453	814,445
Sciply Corp., Class A (A)	2,733	37,852
Take-Two Interactive Software, Inc. (A)	2,340	486,229

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Entertainment (continued)		
The Marcus Corp.	654	\$ 8,816
The Walt Disney Company (A)	35,713	6,470,481
Warner Music Group Corp., Class A	6,426	244,124
World Wrestling Entertainment, Inc., Class A	1,652	79,379
Zynga, Inc., Class A (A)	19,797	195,396
		16,119,444
Interactive media and services – 5.4%		
Actua Corp. (A)(C)	909	68
Alphabet, Inc., Class C (A)	13,412	23,496,215
ANGI Homeservices, Inc., Class A (A)	10,603	139,907
CarGurus, Inc. (A)	2,365	75,041
Cars.com, Inc. (A)	1,453	16,419
Eventbrite, Inc., Class A (A)	1,808	32,725
EverQuote, Inc., Class A (A)	566	21,140
Facebook, Inc., Class A (A)	56,249	15,364,977
IAC/InterActiveCorp (A)	1,764	334,013
Liberty TripAdvisor Holdings, Inc., Class A (A)	1,370	5,946
Match Group, Inc. (A)	5,225	789,968
Pinterest, Inc., Class A (A)	11,654	767,999
QuinStreet, Inc. (A)	1,130	24,227
Snap, Inc., Class A (A)	23,773	1,190,314
TripAdvisor, Inc. (A)	2,658	76,497
TrueCar, Inc. (A)	2,492	10,466
Twitter, Inc. (A)	15,790	855,029
Yelp, Inc. (A)	1,481	48,384
Zillow Group, Inc., Class C (A)	4,332	562,294
ZoomInfo Technologies, Inc., Class A (A)	6,538	315,328
		44,126,957
Media – 1.5%		
Altice USA, Inc., Class A (A)	11,714	443,609
AMC Networks, Inc., Class A (A)(B)	962	34,411
Boston Omaha Corp., Class A (A)	528	14,599
Cable One, Inc.	114	253,960
Cardlytics, Inc. (A)	535	76,382
Charter Communications, Inc., Class A (A)	4,072	2,693,832
Clear Channel Outdoor Holdings, Inc. (A)	8,922	14,721
Comcast Corp., Class A	89,904	4,710,970
comScore, Inc. (A)	1,582	3,939
Discovery, Inc., Series A (A)(B)	9,820	295,484
DISH Network Corp., Class A (A)	10,292	332,843
Emerald Holding, Inc.	1,734	9,398

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Media (continued)		
Entercom Communications Corp., Class A	3,101	\$ 7,659
Entravision Communications Corp., Class A	2,355	6,476
Fox Corp., Class A	12,013	349,819
Gannett Company, Inc. (A)	2,798	9,401
Gray Television, Inc. (A)	2,122	37,963
Hemisphere Media Group, Inc. (A)	614	6,361
John Wiley & Sons, Inc., Class A	1,199	54,746
Lee Enterprises, Inc. (A)	458	577
Liberty Broadband Corp., Series A (A)	3,623	570,912
Liberty Broadband Corp., Series C (A)	1,279	202,555
Liberty Media Corp.-Liberty SiriusXM, Series A (A)	6,619	285,875
Loral Space & Communications, Inc.	501	10,516
Meredith Corp.	965	18,528
MSG Networks, Inc., Class A (A)	310	4,569
National CineMedia, Inc.	1,758	6,540
News Corp., Class A	12,364	222,181
Nexstar Media Group, Inc., Class A	965	105,368
Omnicom Group, Inc.	4,108	256,216
Saga Communications, Inc., Class A	170	4,083
Scholastic Corp.	780	19,500
Sinclair Broadcast Group, Inc., Class A	1,912	60,897
Sirius XM Holdings, Inc. (B)	87,656	558,369
SRAX, Inc. (A)	123	383
TechTarget, Inc. (A)	625	36,944
TEGNA, Inc.	4,077	56,874
The EW Scripps Company, Class A	1,766	27,002
The Interpublic Group of Companies, Inc.	7,904	185,902
The New York Times Company, Class A	3,494	180,884
Townsquare Media, Inc., Class A	517	3,443
Tremor International, Ltd. (A)	81	434
ViacomCBS, Inc., Class B	12,032	448,312
WideOpenWest, Inc. (A)	1,455	15,525
		12,638,962
Wireless telecommunication services – 0.4%		
Boingo Wireless, Inc. (A)	989	12,580
Gogo, Inc. (A)(B)	2,008	19,337
Shenandoah Telecommunications Company	1,051	45,456
Spok Holdings, Inc.	499	5,554
Telephone & Data Systems, Inc.	2,451	45,515
T-Mobile US, Inc. (A)	24,567	3,312,860
United States Cellular Corp. (A)	1,839	56,439
		3,497,741
		85,760,653
Consumer discretionary – 12.8%		
Auto components – 0.2%		
ADOMANI, Inc. (A)	1,883	748
American Axle & Manufacturing Holdings, Inc. (A)	2,288	19,082
Autoliv, Inc.	1,746	160,807
BorgWarner, Inc.	4,199	162,249
Cooper Tire & Rubber Company	1,062	43,011
Dana, Inc.	3,021	58,970
Dorman Products, Inc. (A)	683	59,298
Fox Factory Holding Corp. (A)	808	85,414
Gentex Corp.	4,525	153,533
Gentherm, Inc. (A)	714	46,567
Horizon Global Corp. (A)	44	378
LCI Industries	524	67,952
Lear Corp.	1,130	179,704
Modine Manufacturing Company (A)	1,173	14,733
Motorcar Parts of America, Inc. (A)	476	9,339
Patrick Industries, Inc.	506	34,585

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Auto components (continued)		
Shiloh Industries, Inc. (A)	46	\$ 2
Standard Motor Products, Inc.	472	19,097
Stoneridge, Inc. (A)	619	18,712
Superior Industries International, Inc. (A)	119	487
Tenneco, Inc., Class A (A)	1,001	10,611
The Goodyear Tire & Rubber Company	4,895	53,404
Veoneer, Inc. (A)	2,448	52,142
Visteon Corp. (A)	596	74,810
		1,325,635
Automobiles – 1.8%		
Arcimoto, Inc. (A)	59	781
Ford Motor Company	79,109	695,368
General Motors Company	28,076	1,169,085
Harley-Davidson, Inc.	3,212	117,880
Tesla, Inc. (A)	18,421	12,999,147
Thor Industries, Inc.	1,156	107,496
Winnebago Industries, Inc.	650	38,961
		15,128,718
Distributors – 0.1%		
Core-Mark Holding Company, Inc.	969	28,460
Funko, Inc., Class A (A)(B)	1,079	11,200
Genuine Parts Company	2,782	279,396
Greenlane Holdings, Inc., Class A (A)	2,197	8,700
LKQ Corp. (A)	6,122	215,739
Pool Corp.	830	309,175
Weyco Group, Inc.	262	4,150
		856,820
Diversified consumer services – 0.2%		
Adtalem Global Education, Inc. (A)	976	33,135
American Public Education, Inc. (A)	372	11,339
Aspen Group, Inc. (A)	226	2,515
Bright Horizons Family Solutions, Inc. (A)	1,178	203,782
Carriage Services, Inc.	454	14,219
Chegg, Inc. (A)	2,536	229,077
Collectors Universe, Inc.	234	17,644
frontdoor, Inc. (A)	1,734	87,064
Graham Holdings Company, Class B	77	41,070
Grand Canyon Education, Inc. (A)	935	87,058
H&R Block, Inc.	3,912	62,044
Houghton Mifflin Harcourt Company (A)	2,879	9,587
ITT Educational Services, Inc. (A)	608	2
Laureate Education, Inc., Class A (A)	4,397	64,020
Lincoln Educational Services Corp. (A)	112	728
Perdoceo Education Corp. (A)	1,522	19,223
Regis Corp. (A)	845	7,766
Select Interior Concepts, Inc., Class A (A)	642	4,590
Service Corp. International	3,677	180,541
StoneMor, Inc. (A)	517	1,360
Strategic Education, Inc.	459	43,756
Stride, Inc. (A)	857	18,194
Terminix Global Holdings, Inc. (A)	2,733	139,410
Universal Technical Institute, Inc. (A)	423	2,733
WW International, Inc. (A)	1,417	34,575
		1,315,432
Hotels, restaurants and leisure – 1.8%		
Ambassadors Group, Inc. (A)(C)	714	29
Aramark	5,209	200,442
Bally's Corp.	719	36,115
Biglari Holdings, Inc., Class B (A)	58	6,450
BJ's Restaurants, Inc. (A)	418	16,089
Bloomin' Brands, Inc.	1,832	35,577
Bluegreen Vacations Corp.	1,663	13,204
Bluegreen Vacations Holding Corp.	434	5,872
Boyd Gaming Corp. (A)	2,333	100,132

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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)		
Brinker International, Inc.	773	\$ 43,729
Caesars Entertainment, Inc. (A)	3,382	251,181
Carnival Corp.	11,413	247,206
Carrols Restaurant Group, Inc. (A)	1,021	6,412
Cedar Fair LP	1,175	46,225
Century Casinos, Inc. (A)	691	4,415
Chipotle Mexican Grill, Inc. (A)	557	772,397
Choice Hotels International, Inc.	1,159	123,700
Churchill Downs, Inc.	817	159,143
Chuy's Holdings, Inc. (A)	395	10,464
Cracker Barrel Old Country Store, Inc.	497	65,564
Darden Restaurants, Inc.	2,554	304,232
Dave & Buster's Entertainment, Inc.	654	19,633
Denny's Corp. (A)	1,245	18,277
Dine Brands Global, Inc.	348	20,184
Domino's Pizza, Inc.	785	301,016
Drive Shack, Inc. (A)	1,927	4,586
El Pollo Loco Holdings, Inc. (A)	824	14,914
Everi Holdings, Inc. (A)	1,749	24,154
Extended Stay America, Inc.	3,946	58,440
Fiesta Restaurant Group, Inc. (A)	709	8,083
Golden Entertainment, Inc. (A)	617	12,272
Hilton Grand Vacations, Inc. (A)	1,803	56,524
Hilton Worldwide Holdings, Inc.	5,356	595,909
Hyatt Hotels Corp., Class A	1,966	145,976
Jack in the Box, Inc.	490	45,472
Kura Sushi USA, Inc., Class A (A)	52	1,014
Las Vegas Sands Corp.	15,019	895,132
Marriott International, Inc., Class A	6,428	847,982
Marriott Vacations Worldwide Corp.	878	120,479
McDonald's Corp.	14,563	3,124,929
MGM Resorts International	10,310	324,868
Monarch Casino & Resort, Inc. (A)	382	23,386
Nathan's Famous, Inc.	100	5,522
Noodles & Company (A)	1,045	8,256
Norwegian Cruise Line Holdings, Ltd. (A)	4,439	112,884
Papa John's International, Inc.	670	56,850
Penn National Gaming, Inc. (A)	2,783	240,368
Planet Fitness, Inc., Class A (A)	1,884	146,255
PlayAGS, Inc. (A)	812	5,846
Potbelly Corp. (A)	229	1,008
RCI Hospitality Holdings, Inc.	238	9,387
Red Lion Hotels Corp. (A)	182	630
Red Robin Gourmet Burgers, Inc. (A)	308	5,923
Red Rock Resorts, Inc., Class A	2,475	61,974
Restaurant Brands International LP	82	4,980
Royal Caribbean Cruises, Ltd.	4,371	326,470
Ruth's Hospitality Group, Inc.	679	12,039
Scientific Games Corp. (A)	1,986	82,399
SeaWorld Entertainment, Inc. (A)	1,657	52,345
Shake Shack, Inc., Class A (A)	792	67,146
Six Flags Entertainment Corp.	1,773	60,459
Starbucks Corp.	23,088	2,469,954
Target Hospitality Corp. (A)	2,412	3,811
Texas Roadhouse, Inc.	1,455	113,723
The Cheesecake Factory, Inc.	940	34,836
The Wendy's Company	4,661	102,169
Town Sports International Holdings, Inc. (A)	257	64
Vail Resorts, Inc.	827	230,700
Wingstop, Inc.	618	81,916
Wyndham Destinations, Inc.	1,894	84,965
Wyndham Hotels & Resorts, Inc.	1,985	117,988
Wynn Resorts, Ltd.	2,242	252,965

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Hotels, restaurants and leisure (continued)		
Yum! Brands, Inc.	5,916	\$ 642,241
		14,507,881
Household durables – 0.4%		
Bassett Furniture Industries, Inc.	298	5,984
Beazer Homes USA, Inc. (A)	757	11,469
Cavco Industries, Inc. (A)	196	34,388
Century Communities, Inc. (A)	679	29,727
D.R. Horton, Inc.	7,205	496,569
Ethan Allen Interiors, Inc.	592	11,964
Flexsteel Industries, Inc.	230	8,043
GoPro, Inc., Class A (A)	3,474	28,765
Green Brick Partners, Inc. (A)	1,182	27,139
Hamilton Beach Brands Holding Company, Class A	354	6,199
Hamilton Beach Brands Holding Company, Class B	241	4,220
Helen of Troy, Ltd. (A)	524	116,428
Hooker Furniture Corp.	271	8,740
Hovnanian Enterprises, Inc., Class A (A)	148	4,863
Installed Building Products, Inc. (A)	636	64,827
iRobot Corp. (A)	605	48,575
KB Home	1,848	61,945
La-Z-Boy, Inc.	986	39,282
Legacy Housing Corp. (A)	580	8,764
Leggett & Platt, Inc.	2,764	122,445
Lennar Corp., A Shares	6,160	469,577
M/I Homes, Inc. (A)	609	26,973
MDC Holdings, Inc.	1,315	63,909
Meritage Homes Corp. (A)	797	66,008
Mohawk Group Holdings, Inc. (A)	155	2,668
Mohawk Industries, Inc. (A)	1,396	196,766
Newell Brands, Inc.	8,877	188,459
NVR, Inc. (A)	70	285,590
PulteGroup, Inc.	5,280	227,674
Purple Innovation, Inc. (A)	922	30,371
Skyline Champion Corp. (A)	1,218	37,685
Sonos, Inc. (A)	2,332	54,545
Taylor Morrison Home Corp. (A)	2,853	73,179
Tempur Sealy International, Inc. (A)	4,536	122,472
The Lovesac Company (A)	354	15,254
Toll Brothers, Inc.	2,604	113,196
TopBuild Corp. (A)	712	131,065
TRI Pointe Group, Inc. (A)	2,795	48,214
Tupperware Brands Corp. (A)	1,115	36,115
Turtle Beach Corp. (A)	120	2,586
Universal Electronics, Inc. (A)	312	16,368
VOXX International Corp. (A)	1,072	13,679
Whirlpool Corp.	1,252	225,973
ZAGG, Inc. (A)	742	3,094
		3,591,756
Internet and direct marketing retail – 4.6%		
1-800-Flowers.com, Inc., Class A (A)	1,394	36,244
Amazon.com, Inc. (A)	9,888	32,204,524
Booking Holdings, Inc. (A)	806	1,795,180
CarParts.com, Inc. (A)	189	2,342
Chewy, Inc., Class A (A)(B)	8,153	732,873
Duluth Holdings, Inc., Class B (A)(B)	700	7,392
eBay, Inc.	13,857	696,314
Etsy, Inc. (A)	2,431	432,499
Expedia Group, Inc.	2,976	394,022
Groupon, Inc. (A)	624	23,709
GrubHub, Inc. (A)	1,918	142,450
Lands' End, Inc. (A)	743	16,027
Leaf Group, Ltd. (A)	311	1,446
Liquidity Services, Inc. (A)	965	15,353

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Internet and direct marketing retail (continued)		
Magnite, Inc. (A)	1,986	\$ 60,990
Overstock.com, Inc. (A)	772	37,033
PetMed Express, Inc.	456	14,619
Quotient Technology, Inc. (A)	1,851	17,436
Qurate Retail, Inc., Series A	8,670	95,110
Remark Holdings, Inc. (A)	931	1,769
Revolve Group, Inc. (A)	1,471	45,851
Shutterstock, Inc.	747	53,560
Stamps.com, Inc. (A)	358	70,236
Stitch Fix, Inc., Class A (A)	2,150	126,248
The RealReal, Inc. (A)	1,823	35,621
Wayfair, Inc., Class A (A)(B)	1,927	435,136
		37,493,984
Leisure products – 0.2%		
Acushnet Holdings Corp.	1,579	64,013
American Outdoor Brands, Inc. (A)	307	5,228
Brunswick Corp.	1,697	129,379
Callaway Golf Company	1,981	47,564
Clarus Corp.	526	8,100
Escalade, Inc.	418	8,849
Hasbro, Inc.	2,763	258,451
Johnson Outdoors, Inc., Class A	217	24,441
Malibu Boats, Inc., Class A (A)	437	27,286
Marine Products Corp.	742	10,789
MasterCraft Boat Holdings, Inc. (A)	441	10,954
Mattel, Inc. (A)	7,297	127,333
Nautilus, Inc. (A)	464	8,417
Peloton Interactive, Inc., Class A (A)	5,729	869,204
Polaris, Inc.	1,274	121,387
Smith & Wesson Brands, Inc.	1,231	21,850
Sturm Ruger & Company, Inc.	342	22,254
Vista Outdoor, Inc. (A)	1,284	30,508
YETI Holdings, Inc. (A)	1,811	123,999
		1,920,006
Multiline retail – 0.5%		
Big Lots, Inc.	827	35,503
Dillard's, Inc., Class A (B)	529	33,353
Dollar General Corp.	4,900	1,030,470
Dollar Tree, Inc. (A)	4,705	508,328
Kohl's Corp.	3,271	133,097
Macy's, Inc. (B)	6,460	72,675
Nordstrom, Inc. (B)	3,244	101,245
Ollie's Bargain Outlet Holdings, Inc. (A)	1,336	109,245
Target Corp.	9,901	1,747,824
		3,771,740
Specialty retail – 2.2%		
Abercrombie & Fitch Company, Class A	1,358	27,649
Advance Auto Parts, Inc.	1,368	215,474
American Eagle Outfitters, Inc.	3,537	70,988
America's Car-Mart, Inc. (A)	119	13,071
Asbury Automotive Group, Inc. (A)	403	58,733
Ascena Retail Group, Inc. (A)	104	6
At Home Group, Inc. (A)	1,302	20,129
AutoNation, Inc. (A)	1,757	122,621
AutoZone, Inc. (A)	455	539,375
Barnes & Noble Education, Inc. (A)	1,248	5,803
Bed Bath & Beyond, Inc. (B)	2,718	48,272
Best Buy Company, Inc.	5,146	513,519
Blink Charging Company (A)(B)	339	14,492
Boot Barn Holdings, Inc. (A)	611	26,493
Build-A-Bear Workshop, Inc. (A)	44	188
Burlington Stores, Inc. (A)	1,317	344,461
Caleres, Inc.	889	13,913

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Specialty retail (continued)		
Camping World Holdings, Inc., Class A (B)	1,893	\$ 49,313
CarMax, Inc. (A)	3,282	310,018
Carvana Company (A)	3,287	787,368
Chico's FAS, Inc.	2,691	4,279
Citi Trends, Inc.	286	14,208
Conn's, Inc. (A)	510	5,962
Designer Brands, Inc., Class A	1,564	11,965
Dick's Sporting Goods, Inc.	1,834	103,089
Express, Inc. (A)	1,680	1,529
Five Below, Inc. (A)	1,162	203,327
Floor & Decor Holdings, Inc., Class A (A)	2,115	196,378
Foot Locker, Inc.	2,128	86,056
GameStop Corp., Class A (A)(B)	1,509	28,430
Genesco, Inc. (A)	319	9,599
GNC Holdings, Inc., Class A (A)(C)	1,564	0
Group 1 Automotive, Inc.	389	51,013
Guess?, Inc.	1,387	31,374
Haverty Furniture Companies, Inc.	468	12,950
Hibbett Sports, Inc. (A)	399	18,426
L Brands, Inc.	5,734	213,247
Lithia Motors, Inc., Class A	485	141,945
LMP Automotive Holdings, Inc. (A)	97	2,422
Lowe's Companies, Inc.	14,959	2,401,069
Lumber Liquidators Holdings, Inc. (A)	701	21,549
MarineMax, Inc. (A)	503	17,620
Monro, Inc.	705	37,577
Murphy USA, Inc.	595	77,868
National Vision Holdings, Inc. (A)	1,673	75,770
O'Reilly Automotive, Inc. (A)	1,457	659,394
Party City Holdco, Inc. (A)	1,740	10,701
Penske Automotive Group, Inc.	1,591	94,489
Rent-A-Center, Inc.	1,196	45,795
RH (A)	398	178,113
Ross Stores, Inc.	6,987	858,073
Sally Beauty Holdings, Inc. (A)	2,432	31,713
Shoe Carnival, Inc.	302	11,832
Signet Jewelers, Ltd.	1,125	30,679
Sleep Number Corp. (A)	608	49,771
Sonic Automotive, Inc., Class A	881	33,980
Sportsman's Warehouse Holdings, Inc. (A)	611	10,723
The Aaron's Company, Inc. (A)	707	13,405
The Buckle, Inc.	978	28,558
The Cato Corp., Class A	560	5,370
The Children's Place, Inc. (A)	330	16,533
The Container Store Group, Inc. (A)	658	6,277
The Gap, Inc.	7,796	157,401
The Home Depot, Inc.	21,226	5,638,050
The Michaels Companies, Inc. (A)(B)	2,772	36,064
The ODP Corp.	1,563	45,796
The TJX Companies, Inc.	23,577	1,610,073
Tiffany & Company	2,401	315,611
Tilly's, Inc., Class A	701	5,720
Tractor Supply Company	2,342	329,238
TravelCenters of America, Inc. (A)	95	3,097
Ulta Beauty, Inc. (A)	1,133	325,352
Urban Outfitters, Inc. (A)	2,057	52,659
Vroom, Inc. (A)	1,684	68,993
Williams-Sonoma, Inc.	1,581	161,009
Winmark Corp.	75	13,935
Zumiez, Inc. (A)	551	20,266
		17,818,208
Textiles, apparel and luxury goods – 0.8%		
Carter's, Inc.	807	75,914
Columbia Sportswear Company	1,104	96,468

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Textiles, apparel and luxury goods (continued)		
Crocs, Inc. (A)	1,447	\$ 90,669
Culp, Inc.	350	5,555
Deckers Outdoor Corp. (A)	528	151,420
Fossil Group, Inc. (A)	1,160	10,057
G-III Apparel Group, Ltd. (A)	1,025	24,334
Hanesbrands, Inc.	6,891	100,471
Kontoor Brands, Inc.	1,195	48,469
Levi Strauss & Company, Class A	7,699	154,596
Movado Group, Inc. (A)	510	8,476
NIKE, Inc., Class B	30,614	4,330,963
Oxford Industries, Inc.	352	23,060
PVH Corp.	1,528	143,464
Ralph Lauren Corp.	1,384	143,576
Rocky Brands, Inc.	193	5,418
Skechers USA, Inc., Class A (A)	3,142	112,923
Steven Madden, Ltd.	1,594	56,300
Superior Group of Companies, Inc.	407	9,459
Tapestry, Inc.	5,678	176,472
Under Armour, Inc., Class A (A)	9,445	162,171
Unifi, Inc. (A)	438	7,770
Vera Bradley, Inc. (A)	773	6,153
VF Corp.	7,596	648,774
Vince Holding Corp. (A)	138	878
Wolverine World Wide, Inc.	1,702	53,188
		6,646,998
		104,377,178
Consumer staples – 6.5%		
Beverages – 1.6%		
Brown-Forman Corp., Class B	9,414	747,754
Celsius Holdings, Inc. (A)	1,510	75,968
Coca-Cola Consolidated, Inc.	196	52,189
Constellation Brands, Inc., Class A	3,743	819,904
Crimson Wine Group, Ltd. (A)	725	3,879
Eastside Distilling, Inc. (A)	137	175
Keurig Dr. Pepper, Inc.	28,131	900,192
MGP Ingredients, Inc.	345	16,236
Molson Coors Beverage Company, Class B	4,021	181,709
Monster Beverage Corp. (A)	10,527	973,537
National Beverage Corp. (B)	995	84,476
NewAge, Inc. (A)	1,610	4,234
PepsiCo, Inc.	27,123	4,022,341
Primo Water Corp.	546	8,561
Reed's, Inc. (A)	695	411
The Boston Beer Company, Inc., Class A (A)	251	249,567
The Coca-Cola Company	84,596	4,639,245
		12,780,378
Food and staples retailing – 1.7%		
Albertsons Companies, Inc., Class A (B)	2,412	42,403
BJ's Wholesale Club Holdings, Inc. (A)	2,868	106,919
Casey's General Stores, Inc.	729	130,214
Costco Wholesale Corp.	8,682	3,271,204
Grocery Outlet Holding Corp. (A)	1,883	73,908
HF Foods Group, Inc. (A)	1,021	7,678
Ingles Markets, Inc., Class A	443	18,898
Natural Grocers by Vitamin Cottage, Inc.	601	8,258
Performance Food Group Company (A)	2,332	111,027
PriceSmart, Inc.	644	58,662
Rite Aid Corp. (A)	1,197	18,949
SpartanNash Company	869	15,129
Sprouts Farmers Market, Inc. (A)	2,519	50,632
Sysco Corp.	10,201	757,526
The Andersons, Inc.	755	18,505
The Chefs' Warehouse, Inc. (A)	665	17,084

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Food and staples retailing (continued)		
The Kroger Company	15,947	\$ 506,477
United Natural Foods, Inc. (A)	1,210	19,324
US Foods Holding Corp. (A)	4,564	152,027
Village Super Market, Inc., Class A	374	8,250
Walgreens Boots Alliance, Inc.	16,894	673,733
Walmart, Inc.	55,852	8,051,066
Weis Markets, Inc.	558	26,678
		14,144,551
Food products – 1.1%		
Alico, Inc.	195	6,049
Archer-Daniels-Midland Company	10,698	539,286
B&G Foods, Inc. (B)	1,345	37,297
Beyond Meat, Inc. (A)(B)	1,287	160,875
Bunge, Ltd.	2,950	193,461
Calavo Growers, Inc.	372	25,828
Cal-Maine Foods, Inc. (A)	948	35,588
Campbell Soup Company	6,027	291,405
Conagra Brands, Inc.	9,853	357,270
Darling Ingredients, Inc. (A)	3,439	198,362
Farmer Brothers Company (A)	458	2,139
Flowers Foods, Inc.	4,259	96,381
Fresh Del Monte Produce, Inc.	1,036	24,937
Freshpet, Inc. (A)	763	108,338
General Mills, Inc.	12,042	708,070
Hormel Foods Corp.	10,419	485,630
Hostess Brands, Inc. (A)	2,739	40,099
Ingredion, Inc.	1,250	98,338
J&J Snack Foods Corp.	393	61,060
John B. Sanfilippo & Son, Inc.	247	19,478
Kellogg Company	6,735	419,119
Lamb Weston Holdings, Inc.	3,004	236,535
Lancaster Colony Corp.	539	99,030
Landec Corp. (A)	729	7,910
Limoneira Company	402	6,693
McCormick & Company, Inc.	5,312	507,827
Mondelez International, Inc., Class A	27,886	1,630,494
Pilgrim's Pride Corp. (A)	4,994	97,932
Post Holdings, Inc. (A)	1,454	146,869
RiceBran Technologies (A)	840	512
Sanderson Farms, Inc.	465	61,473
Seaboard Corp.	21	63,651
Seneca Foods Corp., Class A (A)	231	9,217
The Hain Celestial Group, Inc. (A)	2,206	88,571
The Hershey Company	4,054	617,546
The J.M. Smucker Company	2,130	246,228
The Kraft Heinz Company	24,401	845,739
The Simply Good Foods Company (A)	1,921	60,243
Tootsie Roll Industries, Inc. (B)	1,265	37,571
TreeHouse Foods, Inc. (A)	1,183	50,266
Tyson Foods, Inc., Class A	7,096	457,266
		9,180,583
Household products – 1.3%		
Central Garden & Pet Company, Class A (A)	1,200	43,596
Church & Dwight Company, Inc.	5,002	436,324
Colgate-Palmolive Company	16,936	1,448,197
Energizer Holdings, Inc.	1,450	61,161
Kimberly-Clark Corp.	6,663	898,372
Oil-Dri Corp. of America	183	6,237
Reynolds Consumer Products, Inc.	1,546	46,442
Spectrum Brands Holdings, Inc.	998	78,822
The Clorox Company	2,530	510,858
The Procter & Gamble Company	49,029	6,821,895

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Household products (continued)		
WD-40 Company	246	\$ 65,357
		10,417,261
Personal products – 0.3%		
BellRing Brands, Inc., Class A (A)	593	14,416
Coty, Inc., Class A	15,881	111,485
Edgewell Personal Care Company	1,170	40,459
elf Beauty, Inc. (A)	1,098	27,659
Herbalife Nutrition, Ltd. (A)	2,962	142,324
Inter Parfums, Inc.	645	39,016
Lifevantage Corp. (A)	377	3,514
Medifast, Inc.	247	48,496
Nature's Sunshine Products, Inc. (A)	585	8,746
Nu Skin Enterprises, Inc., Class A	1,184	64,682
Revlon, Inc., Class A (A)(B)	1,150	13,662
The Estee Lauder Companies, Inc., Class A	7,174	1,909,647
USANA Health Sciences, Inc. (A)	464	35,774
Veru, Inc. (A)(B)	1,088	9,411
Youngevity International, Inc. (A)	349	102
		2,469,393
Tobacco – 0.5%		
22nd Century Group, Inc. (A)	3,359	7,390
Altria Group, Inc.	36,596	1,500,436
Philip Morris International, Inc.	30,612	2,534,367
Turning Point Brands, Inc.	443	19,740
Universal Corp.	441	21,437
Vector Group, Ltd.	3,163	36,849
		4,120,219
		53,112,385
Energy – 2.4%		
Energy equipment and services – 0.2%		
Archrock, Inc.	3,041	26,335
Aspen Aerogels, Inc. (A)	761	12,701
Baker Hughes Company	20,943	436,662
Bristow Group, Inc. (A)	201	5,290
Cactus, Inc., Class A	1,614	42,077
ChampionX Corp. (A)	1,683	25,750
Covia Holdings Corp. (A)	3,030	18
CSI Compressco LP	223	236
DMC Global, Inc.	314	13,581
Dril-Quip, Inc. (A)	785	23,252
Exterran Corp. (A)	904	3,996
Forum Energy Technologies, Inc. (A)	85	1,012
FTS International, Inc., Class A (A)	20	384
Geospace Technologies Corp. (A)	366	3,133
Halliburton Company	18,088	341,863
Helix Energy Solutions Group, Inc. (A)	3,143	13,201
Helmerich & Payne, Inc.	2,298	53,222
ION Geophysical Corp. (A)	211	513
KLX Energy Services Holdings, Inc. (A)	61	394
Liberty Oilfield Services, Inc., Class A	2,453	25,290
Mammoth Energy Services, Inc. (A)	623	2,772
Matrix Service Company (A)	663	7,306
Nabors Industries, Ltd.	193	11,238
National Energy Services Reunited Corp. (A)	1,682	16,702
National Oilwell Varco, Inc.	8,165	112,105
NCS Multistage Holdings, Inc. (A)	18	405
Newpark Resources, Inc. (A)	2,201	4,226
NextTier Oilfield Solutions, Inc. (A)	4,501	15,483
Nine Energy Service, Inc. (A)	818	2,225
Oceaneering International, Inc. (A)	2,236	17,776
Oil States International, Inc. (A)	1,360	6,827
Patterson-UTI Energy, Inc.	4,413	23,212

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Energy equipment and services (continued)		
ProPetro Holding Corp. (A)	1,939	\$ 14,329
Ranger Energy Services, Inc. (A)	120	437
RigNet, Inc. (A)	213	1,255
RPC, Inc. (A)	4,420	13,923
Schlumberger NV	28,847	629,730
SEACOR Marine Holdings, Inc. (A)	576	1,561
Select Energy Services, Inc., Class A (A)	2,472	10,135
Smart Sand, Inc. (A)	637	1,096
Solaris Oilfield Infrastructure, Inc., Class A	1,111	9,044
Superior Energy Services, Inc. (A)	421	19
TETRA Technologies, Inc. (A)	3,291	2,835
Tidewater, Inc. (A)	820	7,085
USA Compression Partners LP	2,120	28,832
		1,969,468
Oil, gas and consumable fuels – 2.2%		
Adams Resources & Energy, Inc.	159	3,832
Aemetis, Inc. (A)	73	182
Alliance Resource Partners LP	2,793	12,513
Amplify Energy Corp.	691	905
Antero Midstream Corp.	10,691	82,428
Antero Resources Corp. (A)	6,209	33,839
Apache Corp.	7,916	112,328
Arch Resources, Inc.	237	10,373
Black Stone Minerals LP	4,760	31,797
Blueknight Energy Partners LP	187	370
Bonanza Creek Energy, Inc. (A)	138	2,668
BP Midstream Partners LP	1,216	12,890
Brigham Minerals, Inc., Class A	1,168	12,836
Cabot Oil & Gas Corp.	7,811	127,163
Callon Petroleum Company (A)(B)	748	9,844
Calumet Specialty Products Partners LP (A)	1,998	6,254
Centennial Resource Development, Inc., Class A (A)	5,329	7,994
Centrus Energy Corp., Class A (A)	81	1,874
Cheniere Energy, Inc. (A)	5,111	306,813
Chevron Corp.	37,613	3,176,418
Cimarex Energy Company	2,170	81,397
Clean Energy Fuels Corp. (A)	4,677	36,761
CNX Resources Corp. (A)	4,966	53,633
Comstock Resources, Inc. (A)	3,787	16,549
Concho Resources, Inc.	4,205	245,362
ConocoPhillips	21,239	849,348
CONSOL Energy, Inc. (A)	813	5,861
Contango Oil & Gas Company (A)	2,538	5,812
Continental Resources, Inc.	7,747	126,276
Crestwood Equity Partners LP	1,581	30,007
CrossAmerica Partners LP	693	11,899
DCP Midstream LP	3,986	73,821
Delek Logistics Partners LP	486	15,552
Delek US Holdings, Inc.	1,558	25,037
Devon Energy Corp.	8,114	128,282
Diamond S Shipping, Inc. (A)	946	6,300
Diamondback Energy, Inc.	3,361	162,672
Dorchester Minerals LP	821	8,957
Dorian LPG, Ltd. (A)	943	11,495
Enable Midstream Partners LP	9,301	48,923
Energy Transfer LP	53,776	332,336
EnLink Midstream LLC (A)	10,548	39,133
Enterprise Products Partners LP	42,338	829,401
Enviva Partners LP	728	33,066
EOG Resources, Inc.	11,704	583,678
EQT Corp.	5,432	69,041
Equitrans Midstream Corp. (B)	9,307	74,828
Evolution Petroleum Corp.	1,062	3,027

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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)		
Extraction Oil & Gas, Inc. (A)	2,891	\$ 82
Exxon Mobil Corp.	83,047	3,423,197
Genesis Energy LP	2,697	16,748
Global Partners LP	828	13,761
Green Plains Partners LP	503	3,999
Green Plains, Inc. (A)	849	11,181
Gulfport Energy Corp. (A)	2,308	96
Hallador Energy Company	615	904
Harvest Natural Resources, Inc. (A)(C)	270	0
Hess Corp.	6,386	337,117
Hess Midstream LP, Class A	701	13,719
HighPoint Resources Corp. (A)(B)	79	724
Holly Energy Partners LP	2,024	28,741
HollyFrontier Corp.	3,388	87,580
Kimbell Royalty Partners LP	1,094	8,654
Kinder Morgan, Inc.	44,420	607,221
Laredo Petroleum, Inc. (A)	213	4,196
LinnCo LLC (A)(C)	2,890	125
Magellan Midstream Partners LP	4,097	173,877
Magnolia Oil & Gas Corp., Class A (A)	5,625	39,713
Marathon Oil Corp.	16,893	112,676
Marathon Petroleum Corp.	13,376	553,231
Martin Midstream Partners LP	1,127	1,612
Matador Resources Company (A)	2,421	29,197
MPLX LP	21,676	469,285
Murphy Oil Corp.	2,339	28,302
NACCO Industries, Inc., Class A	187	4,918
Natural Resource Partners LP	290	3,988
New Fortress Energy, Inc.	3,618	193,889
Noble Midstream Partners LP	1,668	17,381
Northern Oil and Gas, Inc. (A)	765	6,701
NuStar Energy LP	2,314	33,345
Oasis Midstream Partners LP	640	7,507
Occidental Petroleum Corp.	18,678	323,316
ONEOK, Inc.	8,642	331,680
Overseas Shipholding Group, Inc., Class A (A)	1,005	2,151
Ovintiv, Inc.	2,983	42,836
Pacific Ethanol, Inc. (A)	670	3,638
Parsley Energy, Inc., Class A	7,905	112,251
PBF Energy, Inc., Class A	2,549	18,098
PBF Logistics LP	1,384	12,664
PDC Energy, Inc. (A)	2,080	42,702
Peabody Energy Corp. (A)	2,003	4,827
Penn Virginia Corp. (A)	209	2,121
Phillips 66	8,716	609,597
Phillips 66 Partners LP	4,581	120,984
PHX Minerals, Inc.	460	1,058
Pioneer Natural Resources Company	3,269	372,306
Plains All American Pipeline LP	15,228	125,479
Plains GP Holdings LP, Class A (A)	3,615	30,547
QEP Resources, Inc.	4,939	11,804
Range Resources Corp. (A)	5,163	34,592
Rattler Midstream LP	2,920	27,682
Renewable Energy Group, Inc. (A)	765	54,177
REX American Resources Corp. (A)	157	11,535
SandRidge Energy, Inc. (A)	76	236
SFL Corp., Ltd.	2,278	14,306
Shell Midstream Partners LP	4,939	49,785
SM Energy Company	2,203	13,482
Southwestern Energy Company (A)	11,510	34,300
Sprague Resources LP	617	11,692
Summit Midstream Partners LP	121	1,511
Sunoco LP	2,114	60,841
Talos Energy, Inc. (A)	1,089	8,973

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Oil, gas and consumable fuels (continued)		
Targa Resources Corp.	4,895	\$ 129,130
TC PipeLines LP	1,321	38,903
Teekay Corp. (A)(B)	2,383	5,123
Tellurian, Inc. (A)(B)	5,218	6,679
The Williams Companies, Inc.	24,287	486,954
Torchlight Energy Resources, Inc. (A)	1,067	747
Uranium Energy Corp. (A)	5,616	9,884
USD Partners LP	760	2,592
VAALCO Energy, Inc. (A)	451	798
Valero Energy Corp.	8,112	458,896
Viper Energy Partners LP	3,095	35,964
W&T Offshore, Inc. (A)(B)	3,249	7,050
Western Midstream Partners LP	9,432	130,350
Westwater Resources, Inc. (A)	290	1,430
World Fuel Services Corp.	1,250	38,950
WPX Energy, Inc. (A)	8,802	71,736
		18,011,799
		19,981,267
Financials – 10.7%		
Banks – 3.8%		
1st Source Corp.	559	22,528
Allegiance Bancshares, Inc.	511	17,440
Altabancorp	486	13,569
Amerant Bancorp, Inc. (A)	977	14,850
American National Bankshares, Inc.	218	5,714
Ameris Bancorp	1,477	56,229
Ames National Corp.	260	6,245
Arrow Financial Corp.	430	12,861
Associated Banc-Corp.	3,340	56,947
Atlantic Union Bankshares Corp.	1,721	56,690
Banc of California, Inc.	1,198	17,623
BancFirst Corp.	701	41,149
BancorpSouth Bank	2,204	60,478
Bank of America Corp.	170,868	5,179,009
Bank of Hawaii Corp.	693	53,098
Bank of Marin Bancorp	328	11,264
Bank OZK	2,740	85,680
BankFinancial Corp.	481	4,223
BankUnited, Inc.	1,987	69,108
Bankwell Financial Group, Inc.	211	4,125
Banner Corp.	760	35,408
Bar Harbor Bankshares	435	9,827
BayCom Corp. (A)	336	5,097
BCB Bancorp, Inc.	577	6,387
Berkshire Hills Bancorp, Inc.	1,082	18,524
BOK Financial Corp.	1,468	100,529
Boston Private Financial Holdings, Inc.	1,849	15,624
Bridge Bancorp, Inc.	524	12,670
Brookline Bancorp, Inc.	1,813	21,829
Bryn Mawr Bank Corp.	470	14,380
Business First Bancshares, Inc.	293	5,965
Byline Bancorp, Inc.	825	12,746
C&F Financial Corp.	106	3,934
Cadence Bancorp	2,753	45,204
Cambridge Bancorp	93	6,487
Camden National Corp.	400	14,312
Capital City Bank Group, Inc.	465	11,430
Capstar Financial Holdings, Inc.	374	5,517
Cathay General Bancorp	1,283	41,300
CBTX, Inc.	597	15,229
Central Pacific Financial Corp.	579	11,007
Central Valley Community Bancorp	357	5,316
Century Bancorp, Inc., Class A	144	11,140
Chemung Financial Corp.	161	5,466
CIT Group, Inc.	1,914	68,713

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Citigroup, Inc.	40,920	\$ 2,523,127
Citizens & Northern Corp.	324	6,428
Citizens Financial Group, Inc.	8,612	307,965
City Holding Company	404	28,098
Civista Bancshares, Inc.	342	5,995
CNB Financial Corp.	426	9,070
Codorus Valley Bancorp, Inc.	267	4,528
Columbia Banking System, Inc.	1,531	54,963
Comerica, Inc.	2,948	164,675
Commerce Bancshares, Inc.	2,103	138,167
Community Bank System, Inc.	1,081	67,357
Community Trust Bancorp, Inc.	310	11,486
ConnectOne Bancorp, Inc.	882	17,455
County Bancorp, Inc.	219	4,836
CrossFirst Bankshares, Inc. (A)	287	3,085
Cullen/Frost Bankers, Inc.	1,225	106,857
Customers Bancorp, Inc. (A)	739	13,435
CVB Financial Corp.	2,734	53,313
Dime Community Bancshares, Inc.	619	9,762
Eagle Bancorp, Inc.	547	22,591
East West Bancorp, Inc.	2,760	139,960
Enterprise Bancorp, Inc.	327	8,355
Enterprise Financial Services Corp.	619	21,634
Equity Bancshares, Inc., Class A (A)	331	7,146
Esquire Financial Holdings, Inc. (A)	291	5,584
Farmers & Merchants Bancorp, Inc.	233	5,359
FB Financial Corp.	964	33,480
Fidelity D&D Bancorp, Inc.	112	7,208
Fifth Third Bancorp	14,243	392,680
Financial Institutions, Inc.	417	9,383
First Bancorp (North Carolina)	687	23,241
First Bancorp (Puerto Rico)	3,172	29,246
First Busey Corp.	1,265	27,261
First Choice Bancorp	327	6,046
First Citizens BancShares, Inc., Class A	154	88,438
First Commonwealth Financial Corp.	2,106	23,040
First Community Bankshares, Inc.	247	5,330
First Financial Bancorp	2,135	37,427
First Financial Bankshares, Inc.	2,882	104,256
First Financial Corp.	338	13,131
First Financial Northwest, Inc.	388	4,423
First Hawaiian, Inc.	2,646	62,393
First Horizon Corp.	11,597	147,978
First Internet Bancorp	224	6,438
First Interstate BancSystem, Inc., Class A	1,351	55,080
First Merchants Corp.	1,156	43,246
First Midwest Bancorp, Inc.	2,364	37,635
First Republic Bank	3,294	483,987
Flushing Financial Corp.	465	7,738
FNB Corp.	6,123	58,169
Fulton Financial Corp.	3,475	44,202
FVCBankcorp, Inc. (A)	432	6,350
German American Bancorp, Inc.	635	21,012
Glacier Bancorp, Inc.	1,839	84,612
Great Southern Bancorp, Inc.	369	18,044
Great Western Bancorp, Inc.	1,212	25,331
Guaranty Bancshares, Inc.	253	7,577
Hancock Whitney Corp.	1,856	63,141
Hanmi Financial Corp.	645	7,314
HarborOne Bancorp, Inc.	1,624	17,637
Heartland Financial USA, Inc.	771	31,125
Heritage Commerce Corp.	1,034	9,172
Heritage Financial Corp.	813	19,016
Hilltop Holdings, Inc.	1,830	50,343
Home BancShares, Inc.	3,528	68,725

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Hope Bancorp, Inc.	2,740	\$ 29,893
Horizon Bancorp, Inc.	951	15,083
Huntington Bancshares, Inc.	21,098	266,468
Independent Bank Corp. (Massachusetts)	730	53,319
Independent Bank Corp. (Michigan)	561	10,362
Independent Bank Group, Inc.	910	56,893
International Bancshares Corp.	1,166	43,655
Investar Holding Corp.	319	5,276
Investors Bancorp, Inc.	5,218	55,102
JPMorgan Chase & Co.	59,843	7,604,250
KeyCorp	19,485	319,749
Lakeland Bancorp, Inc.	1,308	16,612
Lakeland Financial Corp.	529	28,344
Live Oak Bancshares, Inc.	1,032	48,979
M&T Bank Corp.	2,375	302,338
Macatawa Bank Corp.	926	7,751
Mercantile Bank Corp.	434	11,792
Metropolitan Bank Holding Corp. (A)	184	6,674
Midland States Bancorp, Inc.	539	9,632
MidWestOne Financial Group, Inc.	336	8,232
MVB Financial Corp.	370	8,392
National Bank Holdings Corp., Class A	721	23,620
National Bankshares, Inc.	188	5,886
NBT Bancorp, Inc.	647	20,769
Northrim BanCorp, Inc.	222	7,537
Norwood Financial Corp.	211	5,522
OceanFirst Financial Corp.	1,155	21,518
OFG Bancorp	1,197	22,192
Old National Bancorp	3,074	50,905
Old Point Financial Corp.	183	3,470
Old Second Bancorp, Inc.	816	8,242
Origin Bancorp, Inc.	516	14,329
Pacific Mercantile Bancorp (A)	820	4,215
Pacific Premier Bancorp, Inc.	1,278	40,040
PacWest Bancorp	2,507	63,678
Park National Corp.	210	22,052
Peapack-Gladstone Financial Corp.	485	11,039
Penns Woods Bancorp, Inc.	222	5,774
Peoples Bancorp of North Carolina, Inc.	237	5,456
Peoples Bancorp, Inc.	508	13,762
People's United Financial, Inc.	7,377	95,385
Pinnacle Financial Partners, Inc.	1,458	93,895
Popular, Inc.	783	44,099
Preferred Bank	341	17,210
Premier Financial Bancorp, Inc.	466	6,193
Prosperity Bancshares, Inc.	1,534	106,398
QCR Holdings, Inc.	353	13,975
RBB Bancorp	407	6,260
Red River Bancshares, Inc.	155	7,680
Regions Financial Corp.	19,647	316,710
Renasant Corp.	1,124	37,856
Republic Bancorp, Inc., Class A	425	15,330
Republic First Bancorp, Inc. (A)	1,584	4,514
S&T Bancorp, Inc.	768	19,077
Sandy Spring Bancorp, Inc.	750	24,143
Seacoast Banking Corp. of Florida (A)	1,186	34,928
ServisFirst Bancshares, Inc.	1,156	46,575
Shore Bancshares, Inc.	488	7,125
Sierra Bancorp	373	8,922
Signature Bank	1,007	136,237
Simmons First National Corp., Class A	1,970	42,532
South Plains Financial, Inc.	426	8,073
South State Corp.	1,520	109,896
Southern First Bancshares, Inc. (A)	207	7,317

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Banks (continued)		
Southern National Bancorp of Virginia, Inc.	655	\$ 7,932
Southside Bancshares, Inc.	820	25,445
Spirit of Texas Bancshares, Inc.	334	5,611
Sterling Bancorp	4,249	76,397
Stock Yards Bancorp, Inc.	419	16,961
Summit Financial Group, Inc.	334	7,375
SVB Financial Group (A)	1,031	399,853
Synovus Financial Corp.	3,073	99,473
TCF Financial Corp.	3,225	119,390
Texas Capital Bancshares, Inc. (A)	1,066	63,427
The Bancorp, Inc. (A)	1,397	19,069
The Bank of Princeton	248	5,806
The First Bancorp, Inc.	302	7,671
The First of Long Island Corp.	648	11,567
The PNC Financial Services Group, Inc.	8,079	1,203,771
Tompkins Financial Corp.	330	23,298
Towne Bank	1,674	39,306
TriCo Bancshares	636	22,438
TriState Capital Holdings, Inc. (A)	738	12,841
Triumph Bancorp, Inc. (A)	556	26,994
Trust Financial Corp.	26,790	1,284,045
Trustmark Corp.	1,219	33,291
U.S. Bancorp	29,422	1,370,771
UMB Financial Corp.	963	66,437
Umpqua Holdings Corp.	4,684	70,916
United Bankshares, Inc.	2,146	69,530
United Community Banks, Inc.	1,695	48,206
Unity Bancorp, Inc.	355	6,230
Univest Financial Corp.	733	15,085
Valley National Bancorp	8,535	83,216
Veritex Holdings, Inc.	1,194	30,638
Washington Trust Bancorp, Inc.	335	15,008
Webster Financial Corp.	1,950	82,193
Wells Fargo & Company	80,948	2,443,011
WesBanco, Inc.	1,220	36,551
West Bancorporation, Inc.	463	8,936
Westamerica Bancorporation	387	21,397
Western Alliance Bancorp	2,053	123,077
Wintrust Financial Corp.	1,205	73,613
Zions Bancorp NA	3,301	143,395
		30,904,260
Capital markets – 2.9%		
Affiliated Managers Group, Inc.	867	88,174
AllianceBernstein Holding LP	2,024	68,350
Ameriprise Financial, Inc.	2,356	457,841
Apollo Investment Corp.	1,528	16,235
Ares Capital Corp.	9,043	152,736
Ares Management Corp., Class A	2,404	113,108
Artisan Partners Asset Management, Inc., Class A	1,655	83,313
Assetmark Financial Holdings, Inc. (A)	1,278	30,928
Associated Capital Group, Inc., Class A	454	15,944
Bain Capital Specialty Finance, Inc.	1,190	14,435
Barings BDC, Inc.	1,927	17,727
BGC Partners, Inc., Class A	7,348	29,392
BlackRock Capital Investment Corp.	2,068	5,563
BlackRock TCP Capital Corp.	1,134	12,746
BlackRock, Inc.	2,989	2,156,683
Blucora, Inc. (A)	1,076	17,119
Capital Southwest Corp.	445	7,899
Cboe Global Markets, Inc.	2,224	207,099
CME Group, Inc.	6,985	1,271,619
Cohen & Steers, Inc.	999	74,226
Cowen, Inc., Class A	420	10,916

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
Crescent Capital BDC, Inc.	132	\$ 1,923
Diamond Hill Investment Group, Inc.	83	12,389
Donnelley Financial Solutions, Inc. (A)	800	13,576
Eaton Vance Corp.	2,369	160,926
Ellington Financial, Inc.	880	13,059
Evercore, Inc., Class A	822	90,124
FactSet Research Systems, Inc.	766	254,695
Federated Hermes, Inc.	2,126	61,420
Fidus Investment Corp.	605	7,926
First Eagle Alternative Capital BDC, Inc.	925	3,376
Focus Financial Partners, Inc., Class A (A)	1,482	64,467
Franklin Resources, Inc.	9,694	242,253
FS KKR Capital Corp.	2,679	44,364
GAMCO Investors, Inc., Class A	443	7,859
Gladstone Capital Corp.	801	7,097
Gladstone Investment Corp.	797	8,042
Goldman Sachs BDC, Inc.	967	18,489
Golub Capital BDC, Inc.	1,363	19,273
Greenhill & Company, Inc.	314	3,812
Hamilton Lane, Inc., Class A	1,102	86,011
Hercules Capital, Inc.	2,271	32,748
Houlihan Lokey, Inc.	1,374	92,374
Interactive Brokers Group, Inc., Class A	1,612	98,203
Intercontinental Exchange, Inc.	10,699	1,233,488
Invesco, Ltd.	9,289	161,907
Lazard, Ltd., Class A	2,202	93,145
LPL Financial Holdings, Inc.	1,689	176,028
Main Street Capital Corp.	1,316	42,454
MarketAxess Holdings, Inc.	784	447,319
Moelis & Company, Class A	1,274	59,572
Monroe Capital Corp.	561	4,505
Moody's Corp.	3,745	1,086,949
Morgan Stanley	35,678	2,445,013
Morningstar, Inc.	870	201,466
MSCI, Inc.	1,698	758,208
Nasdaq, Inc.	3,271	434,193
New Mountain Finance Corp.	2,060	23,402
Newtek Business Services Corp.	477	9,392
Northern Trust Corp.	3,947	367,624
Oaktree Specialty Lending Corp.	2,519	14,031
OFS Capital Corp.	430	3,075
Oppenheimer Holdings, Inc., Class A	169	5,312
Oxford Square Capital Corp.	1,411	4,304
P10 Holdings, Inc. (A)	951	6,277
PennantPark Floating Rate Capital, Ltd.	874	9,203
PennantPark Investment Corp.	1,841	8,487
Piper Sandler Companies	319	32,187
Portman Ridge Finance Corp.	3,400	6,494
Prospect Capital Corp. (B)	8,135	44,010
Pzena Investment Management, Inc., Class A	1,693	12,359
Raymond James Financial, Inc.	2,745	262,614
S&P Global, Inc.	4,815	1,582,835
Safeguard Scientifics, Inc. (A)	605	3,860
Sculptor Capital Management, Inc.	1,110	16,872
SEI Investments Company	3,045	174,996
Siebert Financial Corp. (A)	573	2,407
Sixth Street Specialty Lending, Inc.	1,483	30,772
Solar Capital, Ltd.	825	14,446
Solar Senior Capital, Ltd.	444	6,420
State Street Corp.	6,976	507,713
Stellus Capital Investment Corp.	500	5,440
Stifel Financial Corp.	2,154	108,691
StoneX Group, Inc. (A)	429	24,839
T. Rowe Price Group, Inc.	4,515	683,526

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Capital markets (continued)		
TCG BDC, Inc.	1,406	\$ 14,426
The Bank of New York Mellon Corp.	17,138	727,337
The Blackstone Group, Inc., Class A	13,508	875,453
The Carlyle Group, Inc.	6,916	217,439
The Charles Schwab Corp.	37,267	1,976,642
The Goldman Sachs Group, Inc.	6,743	1,778,197
Tradeweb Markets, Inc., Class A	4,656	290,767
TriplePoint Venture Growth BDC Corp.	568	7,407
Victory Capital Holdings, Inc., Class A	1,470	36,471
Virtu Financial, Inc., Class A	4,012	100,982
Virtus Investment Partners, Inc.	128	27,776
Waddell & Reed Financial, Inc., Class A	1,572	40,039
Westwood Holdings Group, Inc.	238	3,451
WhiteHorse Finance, Inc.	557	7,581
WisdomTree Investments, Inc.	3,569	19,094
		23,435,356
Consumer finance – 0.6%		
Ally Financial, Inc.	7,849	279,895
American Express Company	15,907	1,923,315
Atlanticus Holdings Corp. (A)	140	3,448
Capital One Financial Corp.	9,082	897,756
Credit Acceptance Corp. (A)(B)	386	133,610
Curo Group Holdings Corp.	965	13,828
Discover Financial Services	6,257	566,446
Elevate Credit, Inc. (A)	1,191	4,752
Encore Capital Group, Inc. (A)	680	26,486
Enova International, Inc. (A)	921	22,813
EZCORP, Inc., Class A (A)	1,448	6,936
FirstCash, Inc.	887	62,125
Green Dot Corp., Class A (A)	1,090	60,822
LendingTree, Inc. (A)	274	75,018
Medallion Financial Corp. (A)	169	828
Navient Corp.	3,015	29,607
Nelnet, Inc., Class A	677	48,229
OneMain Holdings, Inc.	2,859	137,689
Oportun Financial Corp. (A)	399	7,729
PRA Group, Inc. (A)	990	39,263
PROG Holdings, Inc. (A)	1,414	76,172
Regional Management Corp.	265	7,913
Santander Consumer USA Holdings, Inc.	6,661	146,675
SLM Corp.	7,041	87,238
Synchrony Financial	11,778	408,814
World Acceptance Corp. (A)	179	18,297
		5,085,704
Diversified financial services – 1.4%		
Berkshire Hathaway, Inc., Class B (A)	46,882	10,870,529
Equitable Holdings, Inc.	8,723	223,222
GWG Holdings, Inc. (A)	813	5,683
Jefferies Financial Group, Inc.	5,665	139,359
Marlin Business Services Corp.	322	3,941
NewStar Financial, Inc. (A)(C)	1,204	122
Voya Financial, Inc.	2,500	147,025
		11,389,881
Insurance – 1.6%		
Aflac, Inc.	13,741	611,062
Alleghany Corp.	279	168,430
American Equity Investment Life Holding Company	1,862	51,503
American Financial Group, Inc.	1,743	152,722
American International Group, Inc.	17,408	659,067
American National Group, Inc.	253	24,318
AMERISAFE, Inc.	412	23,661
Arch Capital Group, Ltd. (A)	8,241	297,253
Argo Group International Holdings, Ltd.	742	32,425

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Arthur J. Gallagher & Company	3,805	\$ 470,717
Assurant, Inc.	1,215	165,507
Assured Guaranty, Ltd.	1,401	44,117
Axis Capital Holdings, Ltd.	1,773	89,341
Brighthouse Financial, Inc. (A)	1,634	59,159
Brown & Brown, Inc.	5,826	276,211
BRP Group, Inc., Class A (A)	1,080	32,368
Cincinnati Financial Corp.	3,266	285,350
Citizens, Inc. (A)(B)	1,370	7,850
CNA Financial Corp.	5,170	201,423
CNO Financial Group, Inc.	3,245	72,136
Crawford & Company, Class B	1,283	9,238
Donegal Group, Inc., Class A	786	11,059
eHealth, Inc. (A)	490	34,599
Employers Holdings, Inc.	692	22,275
Enstar Group, Ltd. (A)	350	71,712
Erie Indemnity Company, Class A	901	221,286
Everest Re Group, Ltd.	735	172,056
FBL Financial Group, Inc., Class A	549	28,828
FedNat Holding Company	438	2,593
Fidelity National Financial, Inc.	5,699	222,774
First American Financial Corp.	2,271	117,252
Genworth Financial, Inc., Class A (A)	10,791	40,790
Globe Life, Inc.	2,028	192,579
GoHealth, Inc., Class A (A)(B)	3,818	52,154
Goosehead Insurance, Inc., Class A	767	95,691
HCI Group, Inc.	204	10,669
Heritage Insurance Holdings, Inc.	734	7,435
Horace Mann Educators Corp.	900	37,836
Independence Holding Company	356	14,596
Investors Title Company	50	7,650
Kemper Corp.	1,387	106,563
Kinsale Capital Group, Inc.	473	94,661
Lemonade, Inc. (A)(B)	312	38,220
Lincoln National Corp.	3,967	199,580
Loews Corp.	5,438	244,819
Markel Corp. (A)	276	285,191
Marsh & McLennan Companies, Inc.	9,957	1,164,969
MBIA, Inc. (A)	1,977	13,009
Mercury General Corp.	1,183	61,764
MetLife, Inc.	17,659	829,090
National General Holdings Corp.	2,406	82,237
National Western Life Group, Inc., Class A	35	7,225
NI Holdings, Inc. (A)	641	10,525
Old Republic International Corp.	6,092	120,073
Palomar Holdings, Inc. (A)	514	45,664
Primerica, Inc.	853	114,242
Principal Financial Group, Inc.	5,381	266,951
ProAssurance Corp.	1,182	21,028
ProSight Global, Inc. (A)	575	7,377
Protective Insurance Corp., Class B	474	6,499
Prudential Financial, Inc.	7,746	604,730
Reinsurance Group of America, Inc.	1,269	147,077
RenaissanceRe Holdings, Ltd.	894	148,243
RLI Corp.	951	99,047
Safety Insurance Group, Inc.	334	26,019
Selective Insurance Group, Inc.	1,251	83,792
State Auto Financial Corp.	951	16,871
Stewart Information Services Corp.	487	23,551
The Allstate Corp.	5,886	647,048
The Hanover Insurance Group, Inc.	727	85,001
The Hartford Financial Services Group, Inc.	6,834	334,729
The Progressive Corp.	11,671	1,154,028
The Travelers Companies, Inc.	4,825	677,285

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Insurance (continued)		
Trupanion, Inc. (A)	764	\$ 91,458
United Fire Group, Inc.	546	13,705
United Insurance Holdings Corp.	1,080	6,178
Universal Insurance Holdings, Inc.	656	9,912
Unum Group	3,789	86,920
W.R. Berkley Corp.	3,621	240,507
White Mountains Insurance Group, Ltd.	49	49,032
		13,362,512
Mortgage real estate investment trusts – 0.2%		
AG Mortgage Investment Trust, Inc.	700	2,065
AGNC Investment Corp.	11,322	176,623
Annaly Capital Management, Inc.	30,032	253,770
Anworth Mortgage Asset Corp.	2,512	6,808
Apollo Commercial Real Estate Finance, Inc.	3,205	35,800
Arbor Realty Trust, Inc.	2,208	31,309
Ares Commercial Real Estate Corp.	789	9,397
Arlington Asset Investment Corp., Class A (A)	651	2,461
ARMOUR Residential REIT, Inc.	1,413	15,246
Blackstone Mortgage Trust, Inc., Class A	2,768	76,203
Broadmark Realty Capital, Inc.	2,185	22,287
Capstead Mortgage Corp.	1,743	10,127
Cherry Hill Mortgage Investment Corp.	423	3,866
Chimera Investment Corp.	3,772	38,663
Colony Credit Real Estate, Inc.	2,808	21,060
Dynex Capital, Inc.	611	10,876
Ellington Residential Mortgage REIT	471	6,142
Exantas Capital Corp. (A)	859	3,427
Granite Point Mortgage Trust, Inc.	1,105	11,039
Great Ajax Corp.	553	5,784
Hannon Armstrong Sustainable Infrastructure Capital, Inc.	1,402	88,929
Invesco Mortgage Capital, Inc.	3,300	11,154
KKR Real Estate Finance Trust, Inc.	1,084	19,425
Ladder Capital Corp.	2,535	24,792
MFA Financial, Inc.	9,342	36,340
New Residential Investment Corp.	8,506	84,550
New York Mortgage Trust, Inc.	5,225	19,280
Orchid Island Capital, Inc.	1,157	6,040
PennyMac Mortgage Investment Trust	1,761	30,976
Ready Capital Corp.	1,006	12,525
Redwood Trust, Inc.	2,127	18,675
Starwood Property Trust, Inc.	5,131	99,028
TPG RE Finance Trust, Inc.	1,656	17,587
Two Harbors Investment Corp.	5,815	37,042
Western Asset Mortgage Capital Corp.	1,158	3,775
		1,253,071
Thriffs and mortgage finance – 0.2%		
Axos Financial, Inc. (A)	1,283	48,151
Bridgewater Bancshares, Inc. (A)	655	8,181
Capitol Federal Financial, Inc.	1,954	24,425
Columbia Financial, Inc. (A)	2,570	39,989
Federal Agricultural Mortgage Corp., Class C	191	14,182
Federal Home Loan Mortgage Corp. (A)(B)	13,796	32,145
Federal National Mortgage Association (A)	24,360	58,220
Flagstar Bancorp, Inc.	1,023	41,697
Home Bancorp, Inc.	185	5,178
HomeStreet, Inc.	637	21,499
Kearny Financial Corp.	2,110	22,282
Luther Burbank Corp.	1,316	12,897
Merchants Bancorp	686	18,954
Meridian Bancorp, Inc.	1,296	19,323

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Thriffs and mortgage finance (continued)		
Meta Financial Group, Inc.	825	\$ 30,162
MGIC Investment Corp.	7,092	89,005
New York Community Bancorp, Inc.	8,579	90,508
NMI Holdings, Inc., Class A (A)	1,463	33,137
Northfield Bancorp, Inc.	1,247	15,376
Northwest Bancshares, Inc.	2,105	26,818
Ocwen Financial Corp. (A)	244	7,054
PCSB Financial Corp.	498	7,938
PDL Community Bancorp (A)	510	5,360
PennyMac Financial Services, Inc.	1,489	97,708
Pioneer Bancorp, Inc. (A)	233	2,463
Premier Financial Corp.	1,016	23,368
Provident Bancorp, Inc.	677	8,124
Provident Financial Services, Inc.	1,019	18,301
Radian Group, Inc.	3,761	76,160
Riverview Bancorp, Inc.	881	4,634
Rocket Companies, Inc., Class A (A)(B)	37,571	759,686
Southern Missouri Bancorp, Inc.	216	6,575
Sterling Bancorp, Inc.	1,248	5,666
Territorial Bancorp, Inc.	238	5,719
TFS Financial Corp.	3,937	69,409
Timberland Bancorp, Inc.	255	6,186
TrustCo Bank Corp.	2,562	17,089
Walker & Dunlop, Inc.	652	59,997
Washington Federal, Inc.	1,268	32,638
Western New England Bancorp, Inc.	789	5,436
WSFS Financial Corp.	837	37,565
		1,909,205
		87,339,989
Health care – 13.1%		
Biotechnology – 2.7%		
89bio, Inc. (A)	263	6,409
AbbVie, Inc.	35,210	3,772,752
Abeona Therapeutics, Inc. (A)	2,334	3,664
ACADIA Pharmaceuticals, Inc. (A)	3,237	173,050
Accelaron Pharma, Inc. (A)	1,123	143,677
Achillion Pharmaceuticals, Inc. (A)(C)	3,410	5,099
Acorda Therapeutics, Inc. (A)	685	473
Aduro Biotech, Inc. (A)(C)	312	936
Advaxis, Inc. (A)	983	343
Adverum Biotechnologies, Inc. (A)	1,608	17,431
Aeglea BioTherapeutics, Inc. (A)	797	6,272
Agenus, Inc. (A)	2,997	9,530
AgeX Therapeutics, Inc. (A)	474	720
Agius Pharmaceuticals, Inc. (A)	1,366	59,189
Aileron Therapeutics, Inc. (A)	2,550	2,652
Akebia Therapeutics, Inc. (A)	3,771	10,559
Akero Therapeutics, Inc. (A)	639	16,486
Albireo Pharma, Inc. (A)	301	11,291
Alder Biopharmaceuticals, Inc. (A)(C)	1,872	2,824
Aldeyra Therapeutics, Inc. (A)	753	5,166
Alector, Inc. (A)	1,631	24,677
Alexion Pharmaceuticals, Inc. (A)	4,552	711,204
Alkermes PLC (A)	3,356	66,952
Allakos, Inc. (A)	1,022	143,080
Allena Pharmaceuticals, Inc. (A)	904	1,157
Allogene Therapeutics, Inc. (A)	2,589	65,346
Allovir, Inc. (A)	631	24,256
Alnylam Pharmaceuticals, Inc. (A)	2,335	303,480
Alpine Immune Sciences, Inc. (A)	291	3,667
Altimmune, Inc. (A)	494	5,572
ALX Oncology Holdings, Inc. (A)	287	24,739
Ambit Biosciences Corp. (A)(C)	515	309
Amgen, Inc.	11,809	2,715,125
Amicus Therapeutics, Inc. (A)	5,441	125,633

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
AnaptysBio, Inc. (A)	644	\$ 13,846
Anika Therapeutics, Inc. (A)	318	14,393
Anixa Biosciences, Inc. (A)	182	559
Annexon, Inc. (A)	176	4,405
Annovis Bio, Inc. (A)	148	1,116
Apellis Pharmaceuticals, Inc. (A)	1,496	85,571
Applied Genetic Technologies Corp. (A)	455	1,861
Applied Molecular Transport, Inc. (A)	300	9,231
Applied Therapeutics, Inc. (A)	468	10,301
Apria Therapeutics, Inc. (A)	410	2,017
Aptinyx, Inc. (A)	716	2,477
AquaBounty Technologies, Inc. (A)	312	2,733
Aravive, Inc. (A)	363	2,047
ARCA biopharma, Inc. (A)	372	1,492
Arcus Biosciences, Inc. (A)	987	25,623
Arcutis Biotherapeutics, Inc. (A)	38	1,069
Ardelyx, Inc. (A)	1,613	10,436
Arena Pharmaceuticals, Inc. (A)	1,074	82,515
Aridis Pharmaceuticals, Inc. (A)	122	741
Arrowhead Pharmaceuticals, Inc. (A)	2,115	162,284
Assembly Biosciences, Inc. (A)	650	3,933
Atara Biotherapeutics, Inc. (A)	1,073	21,063
Athenex, Inc. (A)	1,583	17,508
Atreca, Inc., Class A (A)	627	10,126
aTyr Pharma, Inc. (A)	89	345
AVEO Pharmaceuticals, Inc. (A)	262	1,512
Avid Bioservices, Inc. (A)	992	11,448
AvroBio, Inc. (A)	793	11,054
Axcella Health, Inc. (A)	367	1,905
Ayala Pharmaceuticals, Inc. (A)	120	1,367
AzurRx BioPharma, Inc. (A)	283	275
Beam Therapeutics, Inc. (A)	681	55,597
Bellicum Pharmaceuticals, Inc. (A)	60	212
BioCryst Pharmaceuticals, Inc. (A)(B)	2,966	22,097
Biogen, Inc. (A)	3,182	779,145
BioMarin Pharmaceutical, Inc. (A)	3,758	329,539
BioXcel Therapeutics, Inc. (A)	451	20,836
Black Diamond Therapeutics, Inc. (A)	270	8,654
Bluebird Bio, Inc. (A)	1,170	50,626
Blueprint Medicines Corp. (A)	1,044	117,085
BridgeBio Pharma, Inc. (A)(B)	2,607	185,384
Cabaletta Bio, Inc. (A)	446	5,566
Calithera Biosciences, Inc. (A)	1,063	5,219
Calyxt, Inc. (A)	631	2,663
Cancer Genetics, Inc. (A)	409	1,133
Capricor Therapeutics, Inc. (A)	689	2,363
Cardiff Oncology, Inc. (A)	618	11,118
CareDx, Inc. (A)	890	64,481
CASI Pharmaceuticals, Inc. (A)	2,445	7,213
Catabasis Pharmaceuticals, Inc. (A)	218	467
Catalyst Biosciences, Inc. (A)	289	1,824
Catalyst Pharmaceuticals, Inc. (A)	2,374	7,929
Celldex Therapeutics, Inc. (A)	695	12,176
CEL-SCI Corp. (A)(B)	784	9,141
Celsion Corp. (A)	384	273
Checkpoint Therapeutics, Inc. (A)	1,024	2,714
ChemoCentryx, Inc. (A)	1,232	76,285
Chimerix, Inc. (A)	1,055	5,096
Chinook Therapeutics, Inc. (A)	686	10,880
Cidara Therapeutics, Inc. (A)	566	1,132
Cleveland BioLabs, Inc. (A)(B)	628	2,167
Clovis Oncology, Inc. (A)(B)	2,144	10,291
Cogent Biosciences, Inc. (A)	273	3,066
Cohbar, Inc. (A)	1,258	1,686
Coherus Biosciences, Inc. (A)	1,434	24,923

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Concert Pharmaceuticals, Inc. (A)	641	\$ 8,102
Constellation Pharmaceuticals, Inc. (A)	841	24,221
Cortexyme, Inc. (A)	576	16,001
Corvus Pharmaceuticals, Inc. (A)	887	3,158
Crinetics Pharmaceuticals, Inc. (A)	559	7,887
CTI BioPharma Corp. (A)	2,424	7,805
Cue Biopharma, Inc. (A)	571	7,143
Curis, Inc. (A)	294	2,408
Cyclerion Therapeutics, Inc. (A)	860	2,632
Cytokinetics, Inc. (A)	1,346	27,970
CytomX Therapeutics, Inc. (A)	1,018	6,668
CytRx Corp. (A)	148	259
Deciphera Pharmaceuticals, Inc. (A)	1,040	59,353
Denali Therapeutics, Inc. (A)	2,072	173,551
Dicerna Pharmaceuticals, Inc. (A)	1,487	32,759
Dynavax Technologies Corp. (A)	1,633	7,267
Eagle Pharmaceuticals, Inc. (A)	282	13,133
Editas Medicine, Inc. (A)(B)	1,129	79,154
Eidos Therapeutics, Inc. (A)	805	105,922
Eiger BioPharmaceuticals, Inc. (A)	622	7,644
Eledon Pharmaceuticals, Inc. (A)	170	2,618
Emergent BioSolutions, Inc. (A)	1,092	97,843
Enanta Pharmaceuticals, Inc. (A)	427	17,977
Entasis Therapeutics Holdings, Inc. (A)	95	235
Epizyme, Inc. (A)	1,858	20,178
Equillium, Inc. (A)	822	4,398
Esperion Therapeutics, Inc. (A)(B)	591	15,366
Evelo Biosciences, Inc. (A)	556	6,722
Exact Sciences Corp. (A)	3,078	407,804
Exelixis, Inc. (A)	6,393	128,308
Fate Therapeutics, Inc. (A)	1,591	144,670
Fennec Pharmaceuticals, Inc. (A)	150	1,118
FibroGen, Inc. (A)	1,854	68,765
Five Prime Therapeutics, Inc. (A)	639	10,869
Flexion Therapeutics, Inc. (A)	867	10,005
Forma Therapeutics Holdings, Inc. (A)	38	1,326
Forte Biosciences, Inc. (A)	149	5,425
Fortress Biotech, Inc. (A)	1,317	4,175
Frequency Therapeutics, Inc. (A)	594	20,944
G1 Therapeutics, Inc. (A)	777	13,978
Galectin Therapeutics, Inc. (A)(B)	1,661	3,721
Galera Therapeutics, Inc. (A)	444	4,542
Generation Bio Company (A)	86	2,438
Genocea Biosciences, Inc. (A)	1,071	2,592
Genprex, Inc. (A)	538	2,233
Geron Corp. (A)	4,452	7,079
Gilead Sciences, Inc.	25,198	1,468,035
Global Blood Therapeutics, Inc. (A)	1,269	54,960
GlycoMimetics, Inc. (A)	901	3,388
Gossamer Bio, Inc. (A)	1,462	14,138
Gritstone Oncology, Inc. (A)	653	2,573
Halozyne Therapeutics, Inc. (A)	3,113	132,956
Harpoon Therapeutics, Inc. (A)	583	9,684
Heat Biologics, Inc. (A)	280	1,501
Heron Therapeutics, Inc. (A)	219	4,635
Homology Medicines, Inc. (A)	999	11,279
Hookipa Pharma, Inc. (A)	641	7,109
Ideaya Biosciences, Inc. (A)	518	7,252
Idera Pharmaceuticals, Inc. (A)	1,233	4,525
IGM Biosciences, Inc. (A)(B)	619	54,652
Immunic, Inc. (A)	292	4,465
ImmunoGen, Inc. (A)	3,467	22,362
Immunovant, Inc. (A)	1,171	54,088
Incyte Corp. (A)	4,501	391,497
Infinity Pharmaceuticals, Inc. (A)	876	1,857

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Inmune Bio, Inc. (A)	242	\$ 4,167
Inovio Pharmaceuticals, Inc. (A)(B)	3,071	27,178
Inozyme Pharma, Inc. (A)	189	3,901
Insmmed, Inc. (A)	1,902	63,318
Intellia Therapeutics, Inc. (A)	993	54,019
Intercept Pharmaceuticals, Inc. (A)	693	17,117
Invitae Corp. (A)(B)	2,701	112,929
Ionis Pharmaceuticals, Inc. (A)	2,950	166,793
Ironwood Pharmaceuticals, Inc. (A)	3,357	38,236
IsoRay, Inc. (A)	503	226
iTeos Therapeutics, Inc. (A)	92	3,111
IVERIC bio, Inc. (A)	929	6,419
Jounce Therapeutics, Inc. (A)	886	6,202
Kadmon Holdings, Inc. (A)	3,142	13,039
KalVista Pharmaceuticals, Inc. (A)	368	6,988
Karuna Therapeutics, Inc. (A)	535	54,351
Keros Therapeutics, Inc. (A)	247	17,423
Kezar Life Sciences, Inc. (A)	677	3,534
Kindred Biosciences, Inc. (A)	928	4,000
Kiniksa Pharmaceuticals, Ltd., Class A (A)	1,104	19,508
Kodiak Sciences, Inc. (A)	899	132,072
Krystal Biotech, Inc. (A)	389	23,340
Kura Oncology, Inc. (A)	1,043	34,064
Kymera Therapeutics, Inc. (A)	265	16,430
Larimar Therapeutics, Inc. (A)	24	514
Leap Therapeutics, Inc. (A)	1,360	3,060
Lexicon Pharmaceuticals, Inc. (A)	2,562	8,762
Ligand Pharmaceuticals, Inc. (A)(B)	376	37,393
Lineage Cell Therapeutics, Inc. (A)	2,770	4,875
LogicBio Therapeutics, Inc. (A)	598	4,563
Lumos Pharma, Inc. (A)	28	1,000
MacroGenics, Inc. (A)	1,031	23,569
Madrigal Pharmaceuticals, Inc. (A)	332	36,908
Magenta Therapeutics, Inc. (A)	934	7,323
MannKind Corp. (A)	3,858	12,076
Marker Therapeutics, Inc. (A)	741	1,074
Matinas BioPharma Holdings, Inc. (A)	3,715	5,052
MediciNova, Inc. (A)	1,166	6,133
MEI Pharma, Inc. (A)	2,438	6,436
MeiraGTx Holdings PLC (A)	698	10,568
Mersana Therapeutics, Inc. (A)	1,237	32,917
Millendo Therapeutics, Inc. (A)	320	685
Minerva Neurosciences, Inc. (A)	988	2,312
Miragen Therapeutics, Inc. (A)	323	5,313
Mirum Pharmaceuticals, Inc. (A)	498	8,695
Moderna, Inc. (A)	7,616	795,644
Molecular Templates, Inc. (A)	878	8,244
Moleculin Biotech, Inc. (A)	2,979	2,375
Monopar Therapeutics, Inc. (A)	140	857
Morphic Holding, Inc. (A)	695	23,317
Mustang Bio, Inc. (A)	665	2,517
Myriad Genetics, Inc. (A)	1,593	31,502
NantKwest, Inc. (A)(B)	2,031	27,073
Natera, Inc. (A)	1,602	159,431
Neoleukin Therapeutics, Inc. (A)	247	3,483
NeuroBo Pharmaceuticals, Inc. (A)	306	1,607
Neurocrine Biosciences, Inc. (A)	1,931	185,086
NextCure, Inc. (A)	542	5,908
Nkarta, Inc. (A)	291	17,888
Northwest Biotherapeutics, Inc. (A)	11,656	17,775
Novavax, Inc. (A)	1,165	129,909
Nurix Therapeutics, Inc. (A)	152	4,998
Ocugen, Inc. (A)	1,498	2,741
Omthera Pharmaceuticals, Inc. (A)(C)	598	368
Oncocyte Corp. (A)	2,170	5,186

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
Oncosec Medical, Inc. (A)	1,108	\$ 7,147
Oncternal Therapeutics, Inc. (A)(C)	38	0
Oncternal Therapeutics, Inc. (A)	198	970
OPKO Health, Inc. (A)(B)	13,787	54,459
Oragenics, Inc. (A)	258	116
Organogenesis Holdings, Inc. (A)	2,172	16,355
Orgenesis, Inc. (A)	226	1,017
ORIC Pharmaceuticals, Inc. (A)	83	2,810
Outlook Therapeutics, Inc. (A)	95	124
Ovid therapeutics, Inc. (A)	1,222	2,823
Oyster Point Pharma, Inc. (A)	431	8,111
Palatin Technologies, Inc. (A)	2,895	1,956
Passage Bio, Inc. (A)	608	15,547
PDL BioPharma, Inc. (A)	1,734	4,283
PDS Biotechnology Corp. (A)	545	1,166
Pfenex, Inc. (A)(C)	763	572
PhaseBio Pharmaceuticals, Inc. (A)	1,191	4,002
Pieris Pharmaceuticals, Inc. (A)	1,471	3,678
PolarityTE, Inc. (A)	541	368
Poseida Therapeutics, Inc. (A)	941	10,323
Precigen, Inc. (A)(B)	3,241	33,058
Precision BioSciences, Inc. (A)	1,182	9,858
Prevail Therapeutics, Inc. (A)	788	18,179
Progenics Pharmaceuticals, Inc. (A)(C)	1,955	88
Protagonist Therapeutics, Inc. (A)	522	10,524
Protalix BioTherapeutics, Inc. (A)	191	693
Protara Therapeutics, Inc. (A)	99	2,397
PTC Therapeutics, Inc. (A)	1,304	79,583
Puma Biotechnology, Inc. (A)	890	9,131
RAPT Therapeutics, Inc. (A)	483	9,539
Regeneron Pharmaceuticals, Inc. (A)	2,166	1,046,416
REGENXBIO, Inc. (A)	794	36,016
Relay Therapeutics, Inc. (A)(B)	1,207	50,163
Replimune Group, Inc. (A)	661	25,217
REVOLUTION Medicines, Inc. (A)	156	6,176
Rhythm Pharmaceuticals, Inc. (A)	820	24,379
Rigel Pharmaceuticals, Inc. (A)	3,503	12,261
Rocket Pharmaceuticals, Inc. (A)	1,021	55,992
Rubius Therapeutics, Inc. (A)(B)	1,799	13,654
Sage Therapeutics, Inc. (A)	1,099	95,074
Sangamo Therapeutics, Inc. (A)	2,664	41,572
Sarepta Therapeutics, Inc. (A)	1,560	265,964
Savara, Inc. (A)	756	869
Scholar Rock Holding Corp. (A)	577	28,002
Seagen, Inc. (A)	3,582	627,351
Selecta Biosciences, Inc. (A)(B)	1,693	5,130
Seres Therapeutics, Inc. (A)	1,482	36,309
Sesen Bio, Inc. (A)	3,446	4,652
Sierra Oncology, Inc. (A)	189	3,030
Soleno Therapeutics, Inc. (A)	791	1,527
Solid Biosciences, Inc. (A)	867	6,572
Spectrum Pharmaceuticals, Inc. (A)	2,679	9,135
Spero Therapeutics, Inc. (A)	578	11,207
SpringWorks Therapeutics, Inc. (A)	861	62,440
Stemline Therapeutics, Inc. (A)(C)	1,279	422
Stoke Therapeutics, Inc. (A)	722	44,713
Sunesis Pharmaceuticals, Inc. (A)	1,040	2,070
Surface Oncology, Inc. (A)	690	6,376
Sutro Biopharma, Inc. (A)	635	13,786
Syndax Pharmaceuticals, Inc. (A)	629	13,989
Synergy Pharmaceuticals, Inc. (A)(C)	6,230	18
Synlogic, Inc. (A)	542	1,171
Synthetic Biologics, Inc. (A)	2,107	807
Syros Pharmaceuticals, Inc. (A)	797	8,647
T2 Biosystems, Inc. (A)	608	754

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Biotechnology (continued)		
TCR2 Therapeutics, Inc. (A)	593	\$ 18,341
Tonix Pharmaceuticals Holding Corp. (A)	636	429
Tracoon Pharmaceuticals, Inc. (A)	761	8,904
Translate Bio, Inc. (A)	1,155	21,287
Traverse Therapeutics, Inc. (A)	1,004	27,364
Trevena, Inc. (A)(B)	2,789	5,968
Turning Point Therapeutics, Inc. (A)	737	89,803
Twist Bioscience Corp. (A)	774	109,358
Tyme Technologies, Inc. (A)	1,883	2,297
Ultragenyx Pharmaceutical, Inc. (A)	1,226	169,715
United Therapeutics Corp. (A)	924	140,254
UNITY Biotechnology, Inc. (A)	783	4,103
UroGen Pharma, Ltd. (A)	495	8,920
Vaccinex, Inc. (A)(B)	1,165	2,412
Vanda Pharmaceuticals, Inc. (A)	1,222	16,057
Vaxart, Inc. (A)(B)	1,919	10,957
Vaxcyte, Inc. (A)	521	13,843
Veracyte, Inc. (A)	1,069	52,317
Verastem, Inc. (A)(B)	2,859	6,090
Vericel Corp. (A)	881	27,205
Vertex Pharmaceuticals, Inc. (A)	5,294	1,251,184
Viola Bio, Inc. (A)	1,042	37,481
Viking Therapeutics, Inc. (A)	1,686	9,492
Vir Biotechnology, Inc. (A)	2,250	60,255
Voyager Therapeutics, Inc. (A)	743	5,312
vTv Therapeutics, Inc., Class A (A)(B)	1,048	1,949
X4 Pharmaceuticals, Inc. (A)	308	1,980
XBiotech, Inc. (A)(B)	761	11,910
Xencor, Inc. (A)	1,222	53,316
XOMA Corp. (A)(B)	228	10,062
Yield10 Bioscience, Inc. (A)	297	1,717
Y-mAbs Therapeutics, Inc. (A)	853	42,232
Yumanity Therapeutics, Inc. (A)(C)	1,916	207
Yumanity Therapeutics, Inc. (A)	95	1,615
Zentalis Pharmaceuticals, Inc. (A)	459	23,840
ZIOPHARM Oncology, Inc. (A)	4,026	10,146
		22,269,838
Health care equipment and supplies – 3.0%		
Abbott Laboratories	35,212	3,855,362
ABIOMED, Inc. (A)	939	304,424
Accelerate Diagnostics, Inc. (A)(B)	1,138	8,626
Accuray, Inc. (A)	2,263	9,437
Align Technology, Inc. (A)	1,610	860,352
Alphatec Holdings, Inc. (A)	1,472	21,373
AngioDynamics, Inc. (A)	928	14,226
Antares Pharma, Inc. (A)	3,736	14,907
Apyx Medical Corp. (A)	890	6,408
Aspira Women's Health, Inc. (A)	1,357	9,105
AtriCure, Inc. (A)	858	47,765
Atrion Corp.	39	25,047
Avanos Medical, Inc. (A)	1,021	46,843
Axogen, Inc. (A)	892	15,967
Axonics Modulation Technologies, Inc. (A)	663	33,097
Baxter International, Inc.	9,990	801,598
Becton, Dickinson and Company	5,635	1,409,990
BioLife Solutions, Inc. (A)	435	17,352
Boston Scientific Corp. (A)	28,467	1,023,389
Cantel Medical Corp.	896	70,659
Cardiovascular Systems, Inc. (A)	748	32,732
Cerus Corp. (A)	3,177	21,985
ChemBio Diagnostics, Inc. (A)(B)	117	556
Co-Diagnostics, Inc. (A)(B)	371	3,450
Conformis, Inc. (A)	2,110	1,393
CONMED Corp.	596	66,752
CryoLife, Inc. (A)	840	19,832

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care equipment and supplies (continued)		
CryoPort, Inc. (A)	806	\$ 35,367
Cutera, Inc. (A)	347	8,366
CytoSorbents Corp. (A)	847	6,751
Danaher Corp.	13,999	3,109,738
Dare Bioscience, Inc. (A)	111	149
Dentsply Sirona, Inc.	4,516	236,458
DexCom, Inc. (A)	1,909	705,795
Edwards Lifesciences Corp. (A)	12,424	1,133,442
Ekso Bionics Holdings, Inc. (A)	50	307
ElectroCore, Inc. (A)	177	276
Electromed, Inc. (A)	69	677
Envista Holdings Corp. (A)	3,026	102,067
Establishment Labs Holdings, Inc. (A)	483	18,180
FONAR Corp. (A)	224	3,889
GenMark Diagnostics, Inc. (A)	1,560	22,776
Glaukos Corp. (A)	914	68,788
Globus Medical, Inc., Class A (A)	2,085	135,984
Haemonetics Corp. (A)	1,063	126,231
Heska Corp. (A)	175	25,489
Hill-Rom Holdings, Inc.	1,355	132,749
Hologic, Inc. (A)	5,261	383,159
ICU Medical, Inc. (A)	434	93,089
IDEXX Laboratories, Inc. (A)	1,710	854,778
Inari Medical, Inc. (A)	390	34,043
Inogen, Inc. (A)	473	21,134
Insulet Corp. (A)	1,291	330,018
Integer Holdings Corp. (A)	687	55,778
Integra LifeSciences Holdings Corp. (A)	1,805	117,181
IntriCon Corp. (A)	23	416
Intuitive Surgical, Inc. (A)	2,330	1,906,173
Invacare Corp.	844	7,554
iRadimed Corp. (A)	275	6,270
iRhythm Technologies, Inc. (A)	563	133,549
IRIDEX Corp. (A)	87	218
Lantheus Holdings, Inc. (A)	1,472	19,857
LeMaitre Vascular, Inc.	475	19,238
Masimo Corp. (A)	1,115	299,244
Meridian Bioscience, Inc. (A)	1,112	20,783
Merit Medical Systems, Inc. (A)	1,168	64,836
Mesa Laboratories, Inc.	96	27,517
Microbot Medical, Inc. (A)	54	372
Misonix, Inc. (A)	328	4,100
Motus GI Holdings, Inc. (A)	239	227
Natus Medical, Inc. (A)	710	14,228
Neogen Corp. (A)	1,108	87,864
Neuronetics, Inc. (A)	136	1,511
Nevro Corp. (A)	651	112,688
NuVasive, Inc. (A)	1,095	61,681
OraSure Technologies, Inc. (A)	1,505	15,930
Orthofix Medical, Inc. (A)	439	18,868
OrthoPediatrics Corp. (A)	364	15,015
PAVmed, Inc. (A)	411	871
Penumbra, Inc. (A)(B)	731	127,925
Pulse Biosciences, Inc. (A)	385	9,186
Quidel Corp. (A)	883	158,631
ResMed, Inc.	2,891	614,511
Rockwell Medical, Inc. (A)	1,097	1,108
SeaSpine Holdings Corp. (A)	591	10,313
Second Sight Medical Products, Inc. (A)(B)	151	282
Senseonics Holdings, Inc. (A)	3,713	3,237
Shockwave Medical, Inc. (A)	654	67,833
SI-BONE, Inc. (A)	650	19,435
Sientra, Inc. (A)	851	3,310
Silk Road Medical, Inc. (A)	667	42,008

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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)		
SmileDirectClub, Inc. (A)	7,849	\$ 93,717
Soliton, Inc. (A)	459	3,525
STAAR Surgical Company (A)	955	75,655
Stereotaxis, Inc. (A)	1,627	8,281
Stryker Corp.	7,422	1,818,687
Surgalign Holdings, Inc. (A)	1,366	2,992
Surmodics, Inc. (A)	315	13,709
Tactile Systems Technology, Inc. (A)	415	18,650
Tandem Diabetes Care, Inc. (A)	1,236	118,260
Tela Bio, Inc. (A)	142	2,136
Teleflex, Inc.	938	386,053
The Cooper Companies, Inc.	1,033	375,310
TransEnterix, Inc. (A)	230	144
TransMedics Group, Inc. (A)	477	9,492
Utah Medical Products, Inc.	94	7,924
Vapotherm, Inc. (A)	424	11,389
Varex Imaging Corp. (A)	786	13,110
Varian Medical Systems, Inc. (A)	1,841	322,193
Venus Concept, Inc. (A)	559	967
West Pharmaceutical Services, Inc.	1,507	426,948
Zimmer Biomet Holdings, Inc.	4,148	639,165
		24,750,382
Health care providers and services – 2.5%		
ILife Healthcare, Inc. (A)	949	41,424
Acadia Healthcare Company, Inc. (A)	1,902	95,595
Aceto Corp. (A)(C)	853	0
Addus HomeCare Corp. (A)	312	36,532
Amedisys, Inc. (A)	684	200,638
American Renal Associates Holdings, Inc. (A)	895	10,248
AmerisourceBergen Corp.	3,963	387,423
AMN Healthcare Services, Inc. (A)	979	66,817
Anthem, Inc.	4,953	1,590,359
Apollo Medical Holdings, Inc. (A)	645	11,784
BioTelemetry, Inc. (A)	716	51,609
Brookdale Senior Living, Inc. (A)	4,129	18,291
Capital Senior Living Corp. (A)	27	333
Cardinal Health, Inc.	5,968	319,646
Castle Biosciences, Inc. (A)	321	21,555
Centene Corp. (A)	11,587	695,568
Chemed Corp.	321	170,968
Cigna Corp.	7,234	1,505,974
Community Health Systems, Inc. (A)	2,677	19,890
CorVel Corp. (A)	411	43,566
Covetrus, Inc. (A)	2,407	69,177
Cross Country Healthcare, Inc. (A)	923	8,187
CVS Health Corp.	25,695	1,754,969
DaVita, Inc. (A)	2,503	293,852
Encompass Health Corp.	2,097	173,401
Enzo Biochem, Inc. (A)	1,266	3,190
Exagen, Inc. (A)	164	2,165
Five Star Senior Living, Inc. (A)	577	3,981
Fulgent Genetics, Inc. (A)(B)	357	18,600
Genesis Healthcare, Inc. (A)	3,004	1,456
Guardant Health, Inc. (A)	1,967	253,507
Hanger, Inc. (A)	826	18,164
HCA Healthcare, Inc.	6,721	1,105,336
HealthEquity, Inc. (A)	1,482	103,310
Henry Schein, Inc. (A)	2,857	191,019
Humana, Inc.	2,625	1,076,959
InfuSystem Holdings, Inc. (A)	171	3,211
Interpace Biosciences, Inc. (A)	73	229
Laboratory Corp. of America Holdings (A)	2,023	411,782
LHC Group, Inc. (A)	671	143,138
Magellan Health, Inc. (A)	528	43,740

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Health care providers and services (continued)		
McKesson Corp.	3,142	\$ 546,457
MedCath Corp. (A)(C)	613	307
MEDNAX, Inc. (A)	1,742	42,749
Molina Healthcare, Inc. (A)	1,227	260,958
National HealthCare Corp.	341	22,646
National Research Corp.	530	22,658
Oak Street Health, Inc. (A)(B)	4,047	247,515
Ontrak, Inc. (A)	418	25,828
Option Care Health, Inc. (A)	3,590	56,148
Owens & Minor, Inc.	1,464	39,601
Patterson Companies, Inc.	2,037	60,356
PetIQ, Inc. (A)	575	22,109
Premier, Inc., Class A	2,552	89,575
Progyny, Inc. (A)	1,674	70,961
Quest Diagnostics, Inc.	2,703	322,117
R1 RCM, Inc. (A)	2,386	57,312
RadNet, Inc. (A)	1,162	22,740
Select Medical Holdings Corp. (A)	2,879	79,633
Surgery Partners, Inc. (A)	1,125	32,636
Tenet Healthcare Corp. (A)	2,202	87,926
The Ensign Group, Inc.	1,158	84,441
The Joint Corp. (A)	360	9,454
The Pennant Group, Inc. (A)	613	35,591
The Providence Service Corp. (A)	241	33,410
Tivity Health, Inc. (A)	1,068	20,922
UnitedHealth Group, Inc.	18,752	6,575,951
Universal Health Services, Inc., Class B	1,704	234,300
US Physical Therapy, Inc.	281	33,790
		20,105,684
Health care technology – 0.3%		
Allscripts Healthcare Solutions, Inc. (A)	3,473	50,150
Castlight Health, Inc., B Shares (A)	3,656	4,753
Cerner Corp.	5,999	470,802
Change Healthcare, Inc. (A)	2,632	49,087
Computer Programs & Systems, Inc.	332	8,911
Evolent Health, Inc., Class A (A)	1,837	29,447
GoodRx Holdings, Inc., Class A (A)	7,531	303,801
Health Catalyst, Inc. (A)	658	28,643
HealthStream, Inc. (A)	730	15,943
HMS Holdings Corp. (A)	1,882	69,164
HTG Molecular Diagnostics, Inc. (A)	29	139
Icad, Inc. (A)	189	2,495
Inovalon Holdings, Inc., Class A (A)	3,280	59,598
Inspire Medical Systems, Inc. (A)	513	96,490
MTBC, Inc. (A)	38	345
NantHealth, Inc. (A)(B)	2,869	9,267
NextGen Healthcare, Inc. (A)	1,375	25,080
Omniceil, Inc. (A)	878	105,378
Phreesia, Inc. (A)	625	33,913
Schrodinger, Inc. (A)	841	66,590
Simulations Plus, Inc.	395	28,408
Tabula Rasa HealthCare, Inc. (A)	474	20,306
Teladoc Health, Inc. (A)(B)	2,629	525,695
Veeva Systems, Inc., Class A (A)	3,013	820,289
Vocera Communications, Inc. (A)	698	28,988
		2,853,682
Life sciences tools and services – 1.3%		
10X Genomics, Inc., Class A (A)	2,009	284,474
Adaptive Biotechnologies Corp. (A)	2,619	154,861
Agilent Technologies, Inc.	6,150	728,714
Avantor, Inc. (A)	11,929	335,801
Berkeley Lights, Inc. (A)	725	64,822
Bio-Rad Laboratories, Inc., Class A (A)	591	344,518
Bio-Techne Corp.	797	253,087
Bruker Corp.	3,230	174,840

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Life sciences tools and services (continued)		
Champions Oncology, Inc. (A)	117	\$ 1,262
Charles River Laboratories International, Inc. (A)	1,022	255,357
Codexis, Inc. (A)	1,349	29,449
Fluidigm Corp. (A)	1,624	9,744
Harvard Bioscience, Inc. (A)	117	502
Illumina, Inc. (A)	2,912	1,077,440
IQVIA Holdings, Inc. (A)	3,976	712,380
Luminex Corp.	874	20,207
Medpace Holdings, Inc. (A)	761	105,931
Mettler-Toledo International, Inc. (A)	478	544,767
NanoString Technologies, Inc. (A)	769	51,431
NeoGenomics, Inc. (A)	2,242	120,709
Pacific Biosciences of California, Inc. (A)	3,229	83,760
PerkinElmer, Inc.	2,270	325,745
Personalis, Inc. (A)	696	25,481
PPD, Inc. (A)	5,729	196,046
PRA Health Sciences, Inc. (A)	1,329	166,710
Pressure BioSciences, Inc. (A)	379	803
Quanterix Corp. (A)	534	24,831
Repligen Corp. (A)	1,100	210,793
Syneos Health, Inc. (A)	2,189	149,137
Thermo Fisher Scientific, Inc.	7,776	3,621,905
Waters Corp. (A)	1,240	306,801
		10,382,308
Pharmaceuticals – 3.3%		
AcelRx Pharmaceuticals, Inc. (A)	2,585	3,205
Acer Therapeutics, Inc. (A)	966	2,531
Aclaris Therapeutics, Inc. (A)	1,008	6,522
Adamis Pharmaceuticals Corp. (A)	3,008	1,459
Adial Pharmaceuticals, Inc. (A)	930	1,581
Adicet Bio, Inc. (A)	382	5,367
Aerie Pharmaceuticals, Inc. (A)	991	13,388
Agile Therapeutics, Inc. (A)(B)	1,600	4,592
Alexza Pharmaceuticals, Inc. (A)(C)	2,067	72
Alimera Sciences, Inc. (A)	27	114
Amneal Pharmaceuticals, Inc. (A)	6,203	28,348
Amphastar Pharmaceuticals, Inc. (A)	1,078	21,679
Ampio Pharmaceuticals, Inc. (A)	2,637	4,193
ANI Pharmaceuticals, Inc. (A)	272	7,899
Aquestive Therapeutics, Inc. (A)	1,242	6,645
Arvinas, Inc. (A)	815	69,218
Assertio Holdings, Inc. (A)	1,244	445
Avenue Therapeutics, Inc. (A)	250	1,488
Axsome Therapeutics, Inc. (A)	727	59,229
Baudax Bio, Inc. (A)	268	271
BioDelivery Sciences International, Inc. (A)	2,072	8,702
Bristol-Myers Squibb Company	44,896	2,784,899
Cara Therapeutics, Inc. (A)	906	13,708
Cassava Sciences, Inc. (A)	410	2,796
Catalent, Inc. (A)	3,070	319,495
cbdMD, Inc. (A)	329	971
Cerecor, Inc. (A)	1,421	3,751
Chiasma, Inc. (A)	883	3,841
Clearside Biomedical, Inc. (A)	736	2,017
CNS Pharmaceuticals, Inc. (A)	142	253
Cocrystal Pharma, Inc. (A)	578	786
Collegium Pharmaceutical, Inc. (A)	742	14,862
Corcept Therapeutics, Inc. (A)	2,419	63,281
Dova Pharmaceuticals, Inc. (A)(C)	702	1,008
Durect Corp. (A)	4,211	8,717
Elanco Animal Health, Inc. (A)	7,805	239,379
Elanco Animal Health, Inc. (A)(C)	1,239	0
Eli Lilly & Company	19,072	3,220,116

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Eloxx Pharmaceuticals, Inc. (A)	1,336	\$ 5,317
Endo International PLC (A)	4,819	34,600
Eton Pharmaceuticals, Inc. (A)(B)	108	878
Evoform Biosciences, Inc. (A)(B)	1,381	3,328
Evoke Pharma, Inc. (A)	132	341
Evolus, Inc. (A)	639	2,147
EyeGate Pharmaceuticals, Inc. (A)	50	247
Eyeovia, Inc. (A)	204	1,236
Fulcrum Therapeutics, Inc. (A)	449	5,258
Harrow Health, Inc. (A)	642	4,404
Horizon Therapeutics PLC (A)	3,931	287,553
Hoth Therapeutics, Inc. (A)	97	230
IMARA, Inc. (A)	77	1,698
Innoviva, Inc. (A)	2,164	26,812
Intersect ENT, Inc. (A)	718	16,442
Johnson & Johnson	51,982	8,180,927
Kala Pharmaceuticals, Inc. (A)	663	4,495
Kaleido Biosciences, Inc. (A)	768	6,989
Lannett Company, Inc. (A)	920	5,998
Liquidia Corp. (A)	636	1,876
Marinus Pharmaceuticals, Inc. (A)	569	6,942
Merck & Company, Inc.	50,329	4,116,912
Nektar Therapeutics (A)	3,720	63,240
Neos Therapeutics, Inc. (A)	642	401
NGM Biopharmaceuticals, Inc. (A)	1,448	43,867
NovaBay Pharmaceuticals, Inc. (A)	191	133
Ocular Therapeutix, Inc. (A)	1,256	25,999
Odonate Therapeutics, Inc. (A)	680	13,056
Omeros Corp. (A)(B)	1,206	17,228
Onconova Therapeutics, Inc. (A)	5,412	2,521
Opiant Pharmaceuticals, Inc. (A)	15	121
Optinose, Inc. (A)	957	3,962
Oramed Pharmaceuticals, Inc. (A)	149	632
Osmotica Pharmaceuticals PLC (A)	1,116	4,598
Otonomy, Inc. (A)	1,027	6,645
Pacira BioSciences, Inc. (A)	888	53,138
Paratek Pharmaceuticals, Inc. (A)	901	5,640
Pfizer, Inc.	110,260	4,058,671
Phathom Pharmaceuticals, Inc. (A)	484	16,078
Phibro Animal Health Corp., Class A	851	16,526
PLx Pharma, Inc. (A)	113	624
Prestige Consumer Healthcare, Inc. (A)	1,076	37,520
Provention Bio, Inc. (A)	951	16,110
Pulmatrix, Inc. (A)	1,167	1,389
Reata Pharmaceuticals, Inc., Class A (A)	634	78,375
Recro Pharma, Inc. (A)	531	1,513
Revance Therapeutics, Inc. (A)	1,026	29,077
Royalty Pharma PLC, Class A	10,381	519,569
Satsuma Pharmaceuticals, Inc. (A)	335	1,544
scPharmaceuticals, Inc. (A)	325	1,719
SCYNEXIS, Inc. (A)	130	995
Seelos Therapeutics, Inc. (A)	2,978	4,705
SIGA Technologies, Inc. (A)	1,954	14,206
Strongbridge Biopharma PLC (A)	1,510	3,669
Supernus Pharmaceuticals, Inc. (A)	1,139	28,657
TFF Pharmaceuticals, Inc. (A)	107	1,532
TherapeuticsMD, Inc. (A)(B)	5,607	6,784
Tilray, Inc., Class 2 (A)(B)	2,387	19,717
Tobira Therapeutics, Inc. (A)(C)	609	2,521
Tricida, Inc. (A)	1,068	7,529
Urovant Sciences, Ltd. (A)	750	12,098
Verrica Pharmaceuticals, Inc. (A)	659	7,585
Viatrix, Inc. (A)	13,680	256,363
VYNE Therapeutics, Inc. (A)	438	692
Xeris Pharmaceuticals, Inc. (A)	839	4,128

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Pharmaceuticals (continued)		
Zoetis, Inc.	9,638	\$ 1,595,089
Zogenix, Inc. (A)	961	19,210
Zynerba Pharmaceuticals, Inc. (A)	625	2,063
		<u>26,648,897</u>
		107,010,791
Industrials – 8.8%		
Aerospace and defense – 1.5%		
AAR Corp.	757	27,419
Aerojet Rocketdyne Holdings, Inc. (A)	1,656	87,520
AeroVironment, Inc. (A)	512	44,493
Astronics Corp. (A)	623	8,242
Axon Enterprise, Inc. (A)	1,246	152,672
BWX Technologies, Inc.	1,923	115,918
Cubic Corp.	661	41,008
Curtiss-Wright Corp.	789	91,800
Ducommun, Inc. (A)	268	14,392
General Dynamics Corp.	5,546	825,356
HEICO Corp., Class A	2,739	320,627
Hexcel Corp.	1,762	85,439
Howmet Aerospace, Inc.	9,105	259,857
Huntington Ingalls Industries, Inc.	759	129,394
Innovative Solutions & Support, Inc.	23	150
Kaman Corp.	587	33,535
Kratos Defense & Security Solutions, Inc. (A)	2,288	62,760
L3Harris Technologies, Inc.	4,230	799,555
Lockheed Martin Corp.	5,449	1,934,286
Maxar Technologies, Inc.	1,313	50,669
Mercury Systems, Inc. (A)	1,164	102,502
Moog, Inc., Class A	671	53,210
National Presto Industries, Inc.	169	14,945
Northrop Grumman Corp.	3,233	985,160
Park Aerospace Corp.	561	7,523
Parsons Corp. (A)	2,091	76,133
Raytheon Technologies Corp.	30,133	2,154,811
Spirit AeroSystems Holdings, Inc., Class A	2,171	84,864
Teledyne Technologies, Inc. (A)	713	279,482
Textron, Inc.	4,574	221,061
The Boeing Company	11,207	2,398,970
TransDigm Group, Inc. (A)	1,086	672,071
Triumph Group, Inc.	1,030	12,937
Vectrus, Inc. (A)	262	13,027
		<u>12,161,788</u>
Air freight and logistics – 0.6%		
Air Transport Services Group, Inc. (A)	1,293	40,523
Atlas Air Worldwide Holdings, Inc. (A)	480	26,179
CH Robinson Worldwide, Inc.	2,601	244,156
Echo Global Logistics, Inc. (A)	631	16,923
Expeditors International of Washington, Inc.	3,136	298,265
FedEx Corp.	5,200	1,350,024
Forward Air Corp.	636	48,870
Hub Group, Inc., Class A (A)	691	39,387
United Parcel Service, Inc., Class B	17,079	2,876,104
XPO Logistics, Inc. (A)	1,938	231,010
		<u>5,171,441</u>
Airlines – 0.2%		
Alaska Air Group, Inc.	2,510	130,520
Allegiant Travel Company	324	61,314
American Airlines Group, Inc. (B)	9,162	144,485
Delta Air Lines, Inc.	13,422	539,699
Hawaiian Holdings, Inc.	993	17,576
JetBlue Airways Corp. (A)	6,077	88,360
Mesa Air Group, Inc. (A)	734	4,910

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Airlines (continued)		
SkyWest, Inc.	1,002	\$ 40,391
Southwest Airlines Company	10,995	512,477
Spirit Airlines, Inc. (A)	1,446	35,355
United Airlines Holdings, Inc. (A)	5,285	228,576
		<u>1,803,663</u>
Building products – 0.5%		
A. O. Smith Corp.	3,268	179,152
AAON, Inc.	1,098	73,160
Advanced Drainage Systems, Inc.	1,309	109,406
American Woodmark Corp. (A)	361	33,880
Apogee Enterprises, Inc.	604	19,135
Armstrong Flooring, Inc. (A)	34	130
Armstrong World Industries, Inc.	912	67,844
Builders FirstSource, Inc. (A)	2,442	99,658
Carrier Global Corp.	17,418	657,007
Cornerstone Building Brands, Inc. (A)	2,840	26,355
CSW Industrials, Inc.	335	37,490
Fortune Brands Home & Security, Inc.	2,807	240,616
Gibraltar Industries, Inc. (A)	685	49,279
Griffon Corp.	1,054	21,481
Insteel Industries, Inc.	463	10,311
JELD-WEN Holding, Inc. (A)	2,148	54,473
Johnson Controls International PLC	18,307	852,923
Lennox International, Inc.	754	206,573
Masco Corp.	5,159	283,384
Owens Corning	2,200	166,672
PGT Innovations, Inc. (A)	1,295	26,340
Quanex Building Products Corp.	554	12,282
Resideo Technologies, Inc. (A)	2,645	56,233
Simpson Manufacturing Company, Inc.	929	86,815
The AZEK Company, Inc. (A)	1,030	39,604
Trex Company, Inc. (A)	2,444	204,612
UFP Industries, Inc.	1,297	72,048
		<u>3,686,863</u>
Commercial services and supplies – 0.6%		
ABM Industries, Inc.	1,396	52,825
ACCO Brands Corp.	2,109	17,821
ADT, Inc.	15,587	122,358
Aqua Metals, Inc. (A)	338	1,014
Brady Corp., Class A	1,122	59,264
BrightView Holdings, Inc. (A)	2,250	34,020
Casella Waste Systems, Inc., Class A (A)	1,031	63,870
CECO Environmental Corp. (A)	931	6,480
Charah Solutions, Inc. (A)	158	453
Cintas Corp.	2,049	724,240
Civeo Corp. (A)	253	3,517
Clean Harbors, Inc. (A)	1,183	90,026
Copart, Inc. (A)	4,658	592,731
Covanta Holding Corp.	2,894	37,998
Deluxe Corp.	899	26,251
Ennis, Inc.	594	10,603
Harsco Corp. (A)	1,720	30,926
Healthcare Services Group, Inc.	1,557	43,752
Heritage-Crystal Clean, Inc. (A)	532	11,209
Herman Miller, Inc.	1,134	38,329
HNI Corp.	909	31,324
Hudson Technologies, Inc. (A)	121	132
IAA, Inc. (A)	2,793	181,489
Interface, Inc.	1,246	13,083
KAR Auction Services, Inc.	2,713	50,489
Kimball International, Inc., Class B	828	9,895
Knoll, Inc.	1,051	15,429
Matthews International Corp., Class A	695	20,433
McGrath RentCorp	513	34,422
MSA Safety, Inc.	810	121,006

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Commercial services and supplies (continued)		
NL Industries, Inc.	1,371	\$ 6,553
Odyssey Marine Exploration, Inc. (A)	70	497
Perma-Fix Environmental Services, Inc. (A)	49	293
PICO Holdings, Inc. (A)	659	6,162
Pitney Bowes, Inc.	3,630	22,361
Quad/Graphics, Inc.	1,350	5,157
Republic Services, Inc.	6,095	586,949
Rollins, Inc.	10,003	390,817
RR Donnelley & Sons Company	1,850	4,181
SP Plus Corp. (A)	517	14,905
Steelcase, Inc., Class A	2,479	33,590
Stericycle, Inc. (A)	1,924	133,391
Swisher Hygiene, Inc. (A)(C)	450	0
Team, Inc. (A)	728	7,935
Tetra Tech, Inc.	1,153	133,494
The Brink's Company	1,052	75,744
UniFirst Corp.	321	67,952
US Ecology, Inc.	492	17,874
Viad Corp.	446	16,132
VSE Corp.	270	10,392
Waste Management, Inc.	8,215	968,795
		4,948,563
Construction and engineering – 0.2%		
AECOM (A)	3,302	164,374
Aegion Corp. (A)	753	14,299
Ameresco, Inc., Class A (A)	1,046	54,643
Arcosa, Inc.	870	47,789
Argan, Inc.	361	16,061
Comfort Systems USA, Inc.	770	40,548
Construction Partners, Inc., Class A (A)	1,162	33,826
Dycom Industries, Inc. (A)	667	50,372
EMCOR Group, Inc.	901	82,405
Fluor Corp.	3,029	48,373
Granite Construction, Inc.	1,014	27,084
Great Lakes Dredge & Dock Corp. (A)	1,462	19,255
HC2 Holdings, Inc. (A)	600	1,956
IES Holdings, Inc. (A)	485	22,329
Jacobs Engineering Group, Inc.	2,413	262,920
MasTec, Inc. (A)	1,529	104,247
MYR Group, Inc. (A)	381	22,898
Northwest Pipe Company (A)	252	7,132
Orion Group Holdings, Inc. (A)	985	4,886
Primoris Services Corp.	1,046	28,880
Quanta Services, Inc.	2,698	194,310
Sterling Construction Company, Inc. (A)	650	12,097
Tutor Perini Corp. (A)	1,152	14,918
Valmont Industries, Inc.	334	58,427
WillScot Mobile Mini Holdings Corp. (A)	4,767	110,451
		1,444,480
Electrical equipment – 0.5%		
Acuity Brands, Inc.	788	95,419
Allied Motion Technologies, Inc.	222	11,344
American Superconductor Corp. (A)	626	14,661
AMETEK, Inc.	4,412	533,587
Atkore International Group, Inc. (A)	995	40,904
AZZ, Inc.	556	26,377
Babcock & Wilcox Enterprises, Inc. (A)	755	2,650
Bloom Energy Corp., Class A (A)(B)	2,529	72,481
Eaton Corp. PLC	7,727	928,322
Emerson Electric Company	11,646	935,989
Encore Wire Corp.	444	26,893
Energous Corp. (A)	275	495
EnerSys	886	73,591
FuelCell Energy, Inc. (A)(B)	3,886	43,407

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electrical equipment (continued)		
GrafTech International, Ltd.	4,843	\$ 51,626
Hubbell, Inc.	1,035	162,278
LSI Industries, Inc.	53	454
nVent Electric PLC	3,399	79,163
Orion Energy Systems, Inc. (A)	438	4,323
Plug Power, Inc. (A)	6,730	228,214
Powell Industries, Inc.	287	8,464
Preformed Line Products Company	126	8,623
Regal Beloit Corp.	813	99,845
Rockwell Automation, Inc.	2,282	572,348
Sunrun, Inc. (A)	3,994	277,104
Thermon Group Holdings, Inc. (A)	751	11,738
TPI Composites, Inc. (A)	781	41,221
Vicor Corp. (A)	865	79,770
		4,431,291
Industrial conglomerates – 1.0%		
3M Company	11,288	1,973,030
Carlisle Companies, Inc.	990	154,618
General Electric Company	174,053	1,879,772
Honeywell International, Inc.	13,715	2,917,181
Icahn Enterprises LP	4,276	216,665
Raven Industries, Inc.	807	26,704
Roper Technologies, Inc.	2,055	885,890
		8,053,860
Machinery – 1.8%		
AGCO Corp.	1,435	147,934
Alamo Group, Inc.	239	32,970
Albany International Corp., Class A	643	47,209
Allison Transmission Holdings, Inc.	2,012	86,778
Altra Industrial Motion Corp.	1,367	75,773
Astec Industries, Inc.	516	29,866
Barnes Group, Inc.	1,066	54,036
Briggs & Stratton Corp. (A)	970	71
Caterpillar, Inc.	10,591	1,927,774
Chart Industries, Inc. (A)	759	89,403
CIRCOR International, Inc. (A)	461	17,721
Colfax Corp. (A)	2,476	94,682
Columbus McKinnon Corp.	532	20,450
Commercial Vehicle Group, Inc. (A)	856	7,404
Crane Company	1,181	91,716
Cummins, Inc.	2,801	636,107
Deere & Company	6,148	1,654,119
Donaldson Company, Inc.	2,475	138,303
Douglas Dynamics, Inc.	435	18,605
Dover Corp.	2,490	314,363
Energy Recovery, Inc. (A)	1,268	17,296
Enerpac Tool Group Corp.	1,293	29,235
EnPro Industries, Inc.	467	35,268
ESCO Technologies, Inc.	542	55,945
Evoqua Water Technologies Corp. (A)	2,421	65,319
Federal Signal Corp.	1,279	42,424
Flowserve Corp.	2,742	101,043
Fortive Corp.	6,606	467,837
Franklin Electric Company, Inc.	987	68,310
Gates Industrial Corp. PLC (A)	6,148	78,448
Gencor Industries, Inc. (A)	428	5,264
Graco, Inc.	3,258	235,716
Graham Corp.	310	4,706
Helios Technologies, Inc.	706	37,623
Hillenbrand, Inc.	1,583	63,003
Hurco Companies, Inc.	183	5,490
Hyster-Yale Materials Handling, Inc.	296	17,627
IDEX Corp.	1,372	273,302
Illinois Tool Works, Inc.	6,106	1,244,891
Ingersoll Rand, Inc. (A)	4,302	195,999

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Machinery (continued)		
ITT, Inc.	1,654	\$ 127,391
John Bean Technologies Corp.	667	75,951
Kadant, Inc.	213	30,029
Kennametal, Inc.	1,782	64,580
LB Foster Company, Class A (A)	298	4,485
Lincoln Electric Holdings, Inc.	1,160	134,850
Lindsay Corp.	215	27,619
Lydall, Inc. (A)	434	13,033
Mayville Engineering Company, Inc. (A)	522	7,005
Meritor, Inc. (A)	1,419	39,604
Miller Industries, Inc.	293	11,140
Mueller Industries, Inc.	1,297	45,538
Mueller Water Products, Inc., Class A	3,339	41,337
Navistar International Corp. (A)	2,092	91,964
NN, Inc. (A)	766	5,033
Nordson Corp.	1,141	229,284
Omega Flex, Inc.	223	32,558
Oshkosh Corp.	1,294	111,375
Otis Worldwide Corp.	8,562	578,363
PACCAR, Inc.	6,650	573,762
Parker-Hannifin Corp.	2,519	686,201
Park-Ohio Holdings Corp.	316	9,764
Proto Labs, Inc. (A)	565	86,671
RBC Bearings, Inc. (A)	524	93,817
REV Group, Inc.	1,210	10,660
Rexnord Corp.	2,363	93,315
Snap-on, Inc.	961	164,466
SPX Corp. (A)	948	51,704
SPX FLOW, Inc. (A)	923	53,497
Standex International Corp.	280	21,706
Stanley Black & Decker, Inc.	3,109	555,143
Tennant Company	380	26,665
Terex Corp.	1,554	54,219
The Eastern Company	202	4,868
The ExOne Company (A)	89	845
The Gorman-Rupp Company	603	19,567
The Greenbrier Companies, Inc.	586	21,319
The Manitowoc Company, Inc. (A)	864	11,500
The Middleby Corp. (A)	1,172	151,094
The Shyft Group, Inc.	809	22,959
The Timken Company	1,583	122,461
The Toro Company	2,154	204,285
Titan International, Inc.	1,677	8,150
TriMas Corp. (A)	1,035	32,778
Trinity Industries, Inc.	2,605	68,746
Twin Disc, Inc. (A)	354	2,779
Wabash National Corp.	1,110	19,125
Wabtec Corp.	3,970	290,604
Watts Water Technologies, Inc., Class A	650	79,105
Welbilt, Inc. (A)	2,974	39,257
Woodward, Inc.	1,298	157,746
Xylem, Inc.	3,519	358,199
		14,298,146
Marine – 0.0%		
Eagle Bulk Shipping, Inc. (A)	275	5,225
Kirby Corp. (A)	1,269	65,772
Matson, Inc.	933	53,153
SEACOR Holdings, Inc. (A)	468	19,399
		143,549
Professional services – 0.4%		
Acacia Research Corp. (A)	1,686	6,643
ASGN, Inc. (A)	1,106	92,384
Barrett Business Services, Inc.	173	11,800
CBIZ, Inc. (A)	1,144	30,442
CoreLogic, Inc.	1,659	128,274

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Professional services (continued)		
CoStar Group, Inc. (A)	763	\$ 705,226
CRA International, Inc.	188	9,575
Dun & Bradstreet Holdings, Inc. (A)(B)	4,817	119,943
Equifax, Inc.	2,459	474,194
Exponent, Inc.	1,082	97,412
Forrester Research, Inc. (A)	420	17,598
Franklin Covey Company (A)	341	7,594
FTI Consulting, Inc. (A)	709	79,209
Heidrick & Struggles International, Inc.	459	13,485
Huron Consulting Group, Inc. (A)	481	28,355
ICF International, Inc.	377	28,022
Insperty, Inc.	843	68,637
Kelly Services, Inc., Class A	813	16,723
Kforce, Inc.	509	21,424
Korn Ferry	1,163	50,591
ManpowerGroup, Inc.	1,134	102,264
Mastech Digital, Inc. (A)	89	1,415
Mistras Group, Inc. (A)	754	5,851
Red Violet, Inc. (A)	140	3,655
Rekor Systems, Inc. (A)	270	2,179
Resources Connection, Inc.	781	9,817
Robert Half International, Inc.	2,316	144,704
TransUnion	3,901	387,057
TriNet Group, Inc. (A)	1,465	118,079
TrueBlue, Inc. (A)	816	15,251
Upwork, Inc. (A)	2,419	83,504
Verisk Analytics, Inc.	3,246	673,837
Willdan Group, Inc. (A)	264	11,009
		3,566,153
Road and rail – 1.2%		
AMERCO	352	159,794
ArcBest Corp.	604	25,773
Avis Budget Group, Inc. (A)	1,553	57,927
Covenant Logistics Group, Inc. (A)	501	7,420
CSX Corp.	15,167	1,376,405
Daseke, Inc. (A)	1,184	6,879
Heartland Express, Inc.	1,522	27,548
Hertz Global Holdings, Inc. (A)(B)	3,014	3,858
HyreCar, Inc. (A)	175	1,250
JB Hunt Transport Services, Inc.	2,051	280,269
Kansas City Southern	1,890	385,806
Knight-Swift Transportation Holdings, Inc.	3,561	148,921
Landstar System, Inc.	661	89,010
Lyft, Inc., Class A (A)	6,240	306,571
Marten Transport, Ltd.	1,666	28,705
Norfolk Southern Corp.	5,047	1,199,218
Old Dominion Freight Line, Inc.	2,338	456,331
P.A.M. Transportation Services, Inc. (A)	163	7,987
Ryder System, Inc.	1,136	70,159
Saia, Inc. (A)	560	101,248
Schneider National, Inc., Class B	3,647	75,493
Uber Technologies, Inc. (A)	35,203	1,795,353
Union Pacific Corp.	13,374	2,784,734
Universal Logistics Holdings, Inc.	647	13,322
Werner Enterprises, Inc.	1,312	51,457
YRC Worldwide, Inc. (A)	513	2,273
		9,463,711
Trading companies and distributors – 0.3%		
Air Lease Corp.	2,173	96,525
Applied Industrial Technologies, Inc.	808	63,016
Beacon Roofing Supply, Inc. (A)	1,448	58,195
BlueLinx Holdings, Inc. (A)	138	4,038
BMC Stock Holdings, Inc. (A)	1,408	75,581
CAI International, Inc.	399	12,465
DXP Enterprises, Inc. (A)	424	9,426

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Trading companies and distributors (continued)		
EVI Industries, Inc. (A)	281	\$ 8,408
Fastenal Company	11,599	566,379
Fortress Transportation & Infrastructure Investors LLC	1,753	41,125
Foundation Building Materials, Inc. (A)	982	18,864
GATX Corp.	601	49,991
GMS, Inc. (A)	892	27,188
H&E Equipment Services, Inc.	706	21,046
Herc Holdings, Inc. (A)	600	39,846
Lawson Products, Inc. (A)	105	5,346
MRC Global, Inc. (A)	1,913	12,683
MSC Industrial Direct Company, Inc., Class A	1,063	89,707
NOW, Inc. (A)	2,361	16,952
Rush Enterprises, Inc., Class A	1,177	48,751
SiteOne Landscape Supply, Inc. (A)	878	139,277
Systemax, Inc.	859	30,830
Textainer Group Holdings, Ltd. (A)	1,307	25,068
Titan Machinery, Inc. (A)	554	10,831
United Rentals, Inc. (A)	1,431	331,863
Univar Solutions, Inc. (A)	3,580	68,056
Veritiv Corp. (A)	416	8,649
W.W. Grainger, Inc.	1,010	412,423
Watsco, Inc.	731	165,608
WESCO International, Inc. (A)	1,054	82,739
Willis Lease Finance Corp. (A)	124	3,777
		<u>2,544,653</u>
		71,718,161
Information technology – 26.6%		
Communications equipment – 0.8%		
Acacia Communications, Inc. (A)	846	61,724
ADTRAN, Inc.	1,229	18,152
Applied Optoelectronics, Inc. (A)	524	4,459
Arista Networks, Inc. (A)	1,503	436,727
CalAmp Corp. (A)	820	8,134
Calix, Inc. (A)	1,308	38,926
Cambium Networks Corp. (A)	638	16,001
Casa Systems, Inc. (A)	2,022	12,476
Ciena Corp. (A)	3,177	167,904
Cisco Systems, Inc.	83,161	3,721,455
Clearfield, Inc. (A)	398	9,839
CommScope Holding Company, Inc. (A)	4,134	55,396
Comtech Telecommunications Corp.	548	11,338
Digi International, Inc. (A)	683	12,909
DZS, Inc. (A)	566	8,756
EchoStar Corp., Class A (A)	2,059	43,630
Extreme Networks, Inc. (A)	2,767	19,065
F5 Networks, Inc. (A)	1,172	206,202
Harmonic, Inc. (A)	2,084	15,401
Infinera Corp. (A)	3,517	36,858
Inseego Corp. (A)(B)	1,798	27,815
InterDigital, Inc.	665	40,352
Juniper Networks, Inc.	6,516	146,675
KVH Industries, Inc. (A)	504	5,720
Lumentum Holdings, Inc. (A)	1,592	150,922
Motorola Solutions, Inc.	3,343	568,511
NETGEAR, Inc. (A)	654	26,572
NetScout Systems, Inc. (A)	1,586	43,488
Plantronics, Inc.	893	24,138
Powerwave Technologies, Inc. (A)(C)	912	0
Resonant, Inc. (A)(B)	781	2,070
Ribbon Communications, Inc. (A)	2,627	17,233
Ubiquiti, Inc.	1,314	365,962
ViaSat, Inc. (A)	1,289	42,086

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Communications equipment (continued)		
Viavi Solutions, Inc. (A)	4,848	\$ 72,599
		<u>6,439,495</u>
Electronic equipment, instruments and components – 0.7%		
Akoustis Technologies, Inc. (A)	872	10,665
Amphenol Corp., Class A	5,812	760,035
Arlo Technologies, Inc. (A)	1,497	11,662
Arrow Electronics, Inc. (A)	1,387	134,955
Avnet, Inc.	1,858	65,234
Badger Meter, Inc.	609	57,283
Bel Fuse, Inc., Class B	346	5,200
Belden, Inc.	915	38,339
Benchmark Electronics, Inc.	800	21,608
CDW Corp.	2,758	363,477
Cognex Corp.	3,577	287,179
Coherent, Inc. (A)	509	76,360
Corning, Inc.	15,094	543,384
CTS Corp.	670	23,001
Daktronics, Inc.	1,227	5,742
Dolby Laboratories, Inc., Class A	1,964	190,763
ePlus, Inc. (A)	171	15,039
FARO Technologies, Inc. (A)	391	27,616
Fitbit, Inc., Class A (A)	5,587	37,992
FLIR Systems, Inc.	2,687	117,771
II-VI, Inc. (A)	1,909	145,008
Insight Enterprises, Inc. (A)	735	55,926
Intellicheck, Inc. (A)	162	1,848
IPG Photonics Corp. (A)	1,057	236,546
Iteris, Inc. (A)	1,032	5,831
Itron, Inc. (A)	841	80,652
Jabil, Inc.	3,026	128,696
Keysight Technologies, Inc. (A)	3,745	494,677
Kimball Electronics, Inc. (A)	601	9,610
Knowles Corp. (A)	1,955	36,031
Littelfuse, Inc.	493	125,547
Luna Innovations, Inc. (A)	135	1,334
Methode Electronics, Inc.	804	30,777
MicroVision, Inc. (A)	1,120	6,026
MTS Systems Corp.	425	24,718
Napco Security Technologies, Inc. (A)	429	11,248
National Instruments Corp.	2,724	119,693
Netlist, Inc. (A)	2,025	1,221
nLight, Inc. (A)	848	27,687
Novanta, Inc. (A)	739	87,365
OSI Systems, Inc. (A)	333	31,042
PAR Technology Corp. (A)	370	23,232
PC Connection, Inc. (A)	517	24,449
Plexus Corp. (A)	571	44,658
Powerfleet, Inc. (A)	111	825
Research Frontiers, Inc. (A)	131	368
Rogers Corp. (A)	393	61,029
Sanmina Corp. (A)	1,168	37,248
ScanSource, Inc. (A)	460	12,135
SYNNEX Corp.	1,018	82,906
Trimble, Inc. (A)	5,066	338,257
TTM Technologies, Inc. (A)	2,254	31,094
Vishay Intertechnology, Inc.	3,003	62,192
Vishay Precision Group, Inc. (A)	306	9,633
Vontier Corp. (A)	2,732	91,249
Zebra Technologies Corp., Class A (A)	1,064	408,927
		<u>5,682,990</u>
IT services – 5.2%		
Akamai Technologies, Inc. (A)	3,191	335,023
Alliance Data Systems Corp.	932	69,061
Automatic Data Processing, Inc.	8,469	1,492,238
BigCommerce Holdings, Inc., Series 1 (A)	1,073	68,833

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Black Knight, Inc. (A)	3,057	\$ 270,086
Booz Allen Hamilton Holding Corp.	2,787	242,971
Brightcove, Inc. (A)	983	18,087
Broadridge Financial Solutions, Inc.	2,308	353,586
CACI International, Inc., Class A (A)	456	113,694
Cardtronics PLC, Class A (A)	953	33,641
Cass Information Systems, Inc.	256	9,961
Cognizant Technology Solutions Corp., Class A	10,730	879,324
Concentrix Corp. (A)	1,018	100,477
Conduent, Inc. (A)	4,621	22,181
CSG Systems International, Inc.	659	29,701
DXC Technology Company	5,359	137,994
Endurance International Group Holdings, Inc. (A)	3,270	30,902
EPAM Systems, Inc. (A)	1,141	408,877
Euronet Worldwide, Inc. (A)	1,131	163,905
EVO Payments, Inc., Class A (A)	1,768	47,754
Exela Technologies, Inc. (A)	439	182
ExlService Holdings, Inc. (A)	712	60,613
Fastly, Inc., Class A (A)(B)	1,995	174,303
Fidelity National Information Services, Inc.	12,255	1,733,592
Fiserv, Inc. (A)	13,311	1,515,590
FleetCor Technologies, Inc. (A)	1,674	456,717
Gartner, Inc. (A)	1,853	296,832
Genpact, Ltd.	3,996	165,275
Global Payments, Inc.	6,005	1,293,597
GoDaddy, Inc., Class A (A)	3,472	288,002
GreenSky, Inc., Class A (A)	3,876	17,946
i3 Verticals, Inc., Class A (A)	606	20,119
IBM Corp.	17,285	2,175,836
Information Services Group, Inc. (A)	1,409	4,622
Jack Henry & Associates, Inc.	1,553	251,570
KBR, Inc.	2,986	92,357
Leidos Holdings, Inc.	2,865	301,169
Limelight Networks, Inc. (A)	2,664	10,629
LiveRamp Holdings, Inc. (A)	1,431	104,735
ManTech International Corp., Class A	809	71,952
Mastercard, Inc., Class A	19,815	7,072,766
MAXIMUS, Inc.	1,146	83,876
MoneyGram International, Inc. (A)	1,519	8,301
MongoDB, Inc. (A)	1,175	421,872
NIC, Inc.	1,395	36,033
Okta, Inc. (A)	2,436	619,377
Paychex, Inc.	7,133	664,653
PayPal Holdings, Inc. (A)	23,273	5,450,537
Paysign, Inc. (A)	1,105	5,127
Perficient, Inc. (A)	713	33,974
Perspecta, Inc.	3,393	81,703
PRGX Global, Inc. (A)	47	359
Sabre Corp.	5,716	68,706
Science Applications International Corp.	1,089	103,063
ServiceSource International, Inc. (A)	2,601	4,578
Shift4 Payments, Inc., Class A (A)	671	50,593
Snowflake, Inc., Class A (A)(B)	5,436	1,529,690
Square, Inc., Class A (A)	8,866	1,929,596
StarTek, Inc. (A)	653	4,911
Switch, Inc., Class A	5,110	83,651
Sykes Enterprises, Inc. (A)	904	34,054
The Hackett Group, Inc.	696	10,015
The Western Union Company	8,245	180,895
TTEC Holdings, Inc.	986	71,909
Twilio, Inc., Class A (A)	2,862	968,787
Unisys Corp. (A)	1,343	26,430
VeriSign, Inc. (A)	2,239	484,520

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
IT services (continued)		
Verra Mobility Corp. (A)	3,363	\$ 45,131
Virtusa Corp. (A)	634	32,416
Visa, Inc., Class A	38,368	8,392,233
WEX, Inc. (A)	903	183,788
		42,547,478
Semiconductors and semiconductor equipment – 4.5%		
ACM Research, Inc., Class A (A)	406	32,988
Advanced Energy Industries, Inc. (A)	809	78,449
Advanced Micro Devices, Inc. (A)	23,222	2,129,690
Alpha & Omega Semiconductor, Ltd. (A)	622	14,704
Ambarella, Inc. (A)	706	64,825
Amkor Technology, Inc.	5,075	76,531
Analog Devices, Inc.	7,233	1,068,531
Applied Materials, Inc.	17,971	1,550,897
Atomera, Inc. (A)	385	6,195
Axcelis Technologies, Inc. (A)	734	21,374
AXT, Inc. (A)	135	1,292
Broadcom, Inc.	7,919	3,467,334
Brooks Automation, Inc.	1,532	103,946
CEVA, Inc. (A)	512	23,296
Cirrus Logic, Inc. (A)	1,174	96,503
CMC Materials, Inc.	612	92,596
Cohu, Inc.	925	35,317
Cree, Inc. (A)	2,258	239,122
CyberOptics Corp. (A)	12	272
Diodes, Inc. (A)	1,072	75,576
DSP Group, Inc. (A)	596	9,888
Enphase Energy, Inc. (A)	2,514	441,132
Entegris, Inc.	2,751	264,371
Everspin Technologies, Inc. (A)	103	474
First Solar, Inc. (A)	2,176	215,250
FormFactor, Inc. (A)	1,518	65,304
GSI Technology, Inc. (A)	205	1,517
Ichor Holdings, Ltd. (A)	384	11,576
Impinj, Inc. (A)	486	20,349
Inphi Corp. (A)	960	154,051
Intel Corp.	83,458	4,157,878
KLA Corp.	3,078	796,925
Kulicke & Soffa Industries, Inc.	1,388	44,152
Lam Research Corp.	2,872	1,356,359
Lattice Semiconductor Corp. (A)	2,843	130,266
MACOM Technology Solutions Holdings, Inc. (A)	1,335	73,478
Marvell Technology Group, Ltd.	13,482	640,934
Maxeon Solar Technologies, Ltd. (A)	410	11,632
Maxim Integrated Products, Inc.	5,159	457,345
MaxLinear, Inc. (A)	1,515	57,858
Microchip Technology, Inc.	4,982	688,064
Micron Technology, Inc. (A)	21,782	1,637,571
MKS Instruments, Inc.	1,139	171,363
Monolithic Power Systems, Inc.	906	331,804
NeoPhotonics Corp. (A)	1,119	10,172
NVE Corp.	120	6,742
NVIDIA Corp.	12,209	6,375,540
ON Semiconductor Corp. (A)	8,461	276,929
Onto Innovation, Inc. (A)	982	46,694
PDF Solutions, Inc. (A)	745	16,092
Photronics, Inc. (A)	1,478	16,494
Pixelworks, Inc. (A)	1,060	2,989
Power Integrations, Inc.	1,203	98,478
Qorvo, Inc. (A)	2,305	383,252
QUALCOMM, Inc.	22,324	3,400,838
Rambus, Inc. (A)	2,420	42,253
Rubicon Technology, Inc. (A)	161	1,457
Semtech Corp. (A)	1,393	100,421

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Semiconductors and semiconductor equipment (continued)		
Silicon Laboratories, Inc. (A)	876	\$ 111,550
SiTime Corp. (A)	232	25,968
Skyworks Solutions, Inc.	3,302	504,810
SMART Global Holdings, Inc. (A)	535	20,132
SunPower Corp. (A)	3,285	84,227
Synaptics, Inc. (A)	681	65,648
Teradyne, Inc.	3,361	402,950
Texas Instruments, Inc.	17,894	2,936,942
Ultra Clean Holdings, Inc. (A)	883	27,505
Universal Display Corp.	983	225,893
Veeco Instruments, Inc. (A)	1,119	19,426
Xilinx, Inc.	4,787	678,653
		36,801,034
Software – 9.4%		
2U, Inc. (A)	1,345	53,813
8x8, Inc. (A)	2,122	73,145
A10 Networks, Inc. (A)	1,809	17,837
ACI Worldwide, Inc. (A)	2,427	93,270
Adobe, Inc. (A)	9,513	4,757,642
Agilysys, Inc. (A)	564	21,646
Alarm.com Holdings, Inc. (A)	1,025	106,036
Altair Engineering, Inc., Class A (A)	1,540	89,597
Alteryx, Inc., Class A (A)	1,359	165,513
American Software, Inc., Class A	679	11,658
Anaplan, Inc. (A)	2,761	198,378
ANSYS, Inc. (A)	1,722	626,464
Appfolio, Inc., Class A (A)	718	129,269
Appian Corp. (A)(B)	1,411	228,709
Aspen Technology, Inc. (A)	1,425	185,606
Autodesk, Inc. (A)	4,406	1,345,328
Avalara, Inc. (A)	1,613	265,968
Avaya Holdings Corp. (A)	2,155	41,268
Benefitfocus, Inc. (A)	722	10,455
Bill.com Holdings, Inc. (A)	1,427	194,786
Blackbaud, Inc.	1,029	59,229
Blackline, Inc. (A)	1,170	156,055
Bottomline Technologies DE, Inc. (A)	930	49,048
Box, Inc., Class A (A)	3,163	57,092
Cadence Design Systems, Inc. (A)	5,615	766,054
CDK Global, Inc.	2,502	129,679
Cerence, Inc. (A)	788	79,178
Ceridian HCM Holding, Inc. (A)	3,010	320,746
ChannelAdvisor Corp. (A)	697	11,138
Citrix Systems, Inc.	2,471	321,477
Cloudera, Inc. (A)	5,998	83,432
Cloudflare, Inc., Class A (A)	6,057	460,271
CommVault Systems, Inc. (A)	969	53,654
Cornerstone OnDemand, Inc. (A)	1,274	56,107
Coupa Software, Inc. (A)	1,333	451,767
CrowdStrike Holdings, Inc., Class A (A)	4,295	909,767
Datadog, Inc., Class A (A)	6,130	603,437
Digimarc Corp. (A)	294	13,889
DocuSign, Inc. (A)	3,724	827,845
Domo, Inc., Class B (A)	622	39,665
Dropbox, Inc., Class A (A)	8,678	192,565
Duck Creek Technologies, Inc. (A)	1,484	64,257
Dynatrace, Inc. (A)	5,749	248,759
Ebix, Inc.	651	24,718
eGain Corp. (A)	755	8,917
Envestnet, Inc. (A)	1,101	90,601
Everbridge, Inc. (A)	708	105,542
Fair Isaac Corp. (A)	589	301,003
FireEye, Inc. (A)	4,573	105,453
Five9, Inc. (A)	1,276	222,534
Fortinet, Inc. (A)	3,289	488,515

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Guidewire Software, Inc. (A)	1,721	\$ 221,544
HubSpot, Inc. (A)	893	354,021
Intelligent Systems Corp. (A)	199	7,982
Intuit, Inc.	5,199	1,974,840
j2 Global, Inc. (A)	912	89,093
LivePerson, Inc. (A)	1,406	87,495
Manhattan Associates, Inc. (A)	1,337	140,626
Medallia, Inc. (A)	2,506	83,249
Microsoft Corp.	149,389	33,227,101
MicroStrategy, Inc., Class A (A)	221	85,870
Mitek Systems, Inc. (A)	911	16,198
Model N, Inc. (A)	719	25,654
NCino, Inc. (A)(B)	995	72,048
New Relic, Inc. (A)	1,234	80,704
NortonLifeLock, Inc.	12,243	254,410
Nuance Communications, Inc. (A)	5,919	260,969
Nutanix, Inc., Class A (A)	3,956	126,078
OneSpan, Inc. (A)	910	18,819
Oracle Corp.	60,180	3,893,044
PagerDuty, Inc. (A)	1,640	68,388
Palantir Technologies, Inc., Class A (A)(B)	30,105	708,973
Palo Alto Networks, Inc. (A)	1,957	695,498
Pareteum Corp. (A)	1,711	1,009
Paycom Software, Inc. (A)	1,203	544,057
Paylocity Holding Corp. (A)	1,121	230,825
Pegasystems, Inc.	1,661	221,345
Ping Identity Holding Corp. (A)	1,506	43,132
Pluralsight, Inc., Class A (A)	2,973	62,314
Progress Software Corp.	952	43,021
Proofpoint, Inc. (A)	1,180	160,964
PROS Holdings, Inc. (A)	881	44,728
PTC, Inc. (A)	2,421	289,576
Q2 Holdings, Inc. (A)	1,009	127,669
Qualys, Inc. (A)	812	98,958
Rapid7, Inc. (A)	1,045	94,217
RealPage, Inc. (A)	1,984	173,084
Rimini Street, Inc. (A)	1,519	6,729
RingCentral, Inc., Class A (A)	1,564	592,709
Riot Blockchain, Inc. (A)	204	3,466
Sailpoint Technologies Holdings, Inc. (A)	1,899	101,103
salesforce.com, Inc. (A)	18,041	4,014,664
Seachange International, Inc. (A)	312	437
SecureWorks Corp., Class A (A)	1,619	23,022
ServiceNow, Inc. (A)	3,844	2,115,853
SharpSpring, Inc. (A)	74	1,205
ShotSpotter, Inc. (A)	262	9,877
Slack Technologies, Inc., Class A (A)	11,350	479,424
Smartsheet, Inc., Class A (A)	2,404	166,573
Smith Micro Software, Inc. (A)	408	2,211
SolarWinds Corp. (A)	6,524	97,534
Splunk, Inc. (A)	3,253	552,652
Sprout Social, Inc., Class A (A)	881	40,006
SPS Commerce, Inc. (A)	728	79,054
SS&C Technologies Holdings, Inc.	5,222	379,901
SVMK, Inc. (A)	2,843	72,639
Synchronoss Technologies, Inc. (A)	1,177	5,532
Synopsys, Inc. (A)	3,041	788,349
Telenav, Inc. (A)	1,183	5,560
Tenable Holdings, Inc. (A)	2,078	108,596
Teradata Corp. (A)	2,339	52,557
The Trade Desk, Inc., Class A (A)	942	754,542
Tyler Technologies, Inc. (A)	805	351,399
Upland Software, Inc. (A)	553	25,377
Varonis Systems, Inc. (A)	646	105,692
Verint Systems, Inc. (A)	1,365	91,701

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Software (continued)		
Veritone, Inc. (A)	355	\$ 10,100
Vertex, Inc., Class A (A)	729	25,406
VirnetX Holding Corp. (B)	1,593	8,029
VMware, Inc., Class A (A)(B)	8,277	1,160,932
Workday, Inc., Class A (A)	4,749	1,137,908
Workiva, Inc. (A)	982	89,971
Xperi Holding Corp.	2,215	46,294
Yext, Inc. (A)	2,432	38,231
Zendesk, Inc. (A)	2,343	335,330
Zix Corp. (A)	1,285	11,090
Zoom Video Communications, Inc., Class A (A)	5,644	1,903,834
Zscaler, Inc. (A)	2,677	534,624
Zuora, Inc., Class A (A)	2,388	33,265
		76,909,663
Technology hardware, storage and peripherals – 6.0%		
3D Systems Corp. (A)(B)	2,572	26,955
Apple, Inc.	342,128	45,396,920
AstroNova, Inc.	233	2,481
Avid Technology, Inc. (A)	1,003	15,918
Dell Technologies, Inc., Class C (A)	14,796	1,084,399
Diebold Nixdorf, Inc. (A)	1,715	18,282
Eastman Kodak Company (A)(B)	667	5,429
Hewlett Packard Enterprise Company	24,206	286,841
HP, Inc.	27,736	682,028
Immersion Corp. (A)	809	9,134
Intevac, Inc. (A)	745	5,371
NCR Corp. (A)	2,659	99,899
NetApp, Inc.	4,398	291,324
Pure Storage, Inc., Class A (A)	5,381	121,664
Western Digital Corp.	6,022	333,559
Xerox Holdings Corp.	4,123	95,612
		48,475,816
		216,856,476
Materials – 2.4%		
Chemicals – 1.4%		
AdvanSix, Inc. (A)	524	10,475
Air Products & Chemicals, Inc.	4,274	1,167,742
Albemarle Corp.	2,196	323,954
American Vanguard Corp.	728	11,299
Amyris, Inc. (A)(B)	2,008	12,399
Ashland Global Holdings, Inc.	1,244	98,525
Avient Corp.	1,723	69,402
Axalta Coating Systems, Ltd. (A)	4,848	138,410
Balchem Corp.	681	78,465
Cabot Corp.	1,218	54,664
Celanese Corp.	2,262	293,924
CF Industries Holdings, Inc.	4,338	167,924
Chase Corp.	194	19,596
Ciner Resources LP	296	3,727
Corteva, Inc.	14,911	577,354
CVR Nitrogen LP (A)(C)	1,086	195
Dow, Inc.	15,081	836,996
DuPont de Nemours, Inc.	14,556	1,035,077
Eastman Chemical Company	2,581	258,823
Ecolab, Inc.	5,658	1,224,165
Ferro Corp. (A)	1,770	25,895
Flotek Industries, Inc. (A)	796	1,680
FMC Corp.	2,533	291,118
FutureFuel Corp.	1,090	13,843
GCP Applied Technologies, Inc. (A)	1,572	37,178
Hawkins, Inc.	266	13,914
HB Fuller Company	1,076	55,823
Huntsman Corp.	4,735	119,038

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Chemicals (continued)		
Ingevity Corp. (A)	884	\$ 66,945
Innospec, Inc.	510	46,272
International Flavors & Fragrances, Inc. (B)	2,138	232,700
Intrepid Potash, Inc. (A)	345	8,332
Koppers Holdings, Inc. (A)	482	15,019
Kraton Corp. (A)	660	18,341
Kronos Worldwide, Inc.	2,526	37,663
Livent Corp. (A)	3,162	59,572
LSB Industries, Inc. (A)	308	1,044
Marrone Bio Innovations, Inc. (A)	3,996	4,995
Minerals Technologies, Inc.	673	41,807
NewMarket Corp.	133	52,973
Olin Corp.	3,408	83,700
PPG Industries, Inc.	4,558	657,355
PQ Group Holdings, Inc.	2,904	41,411
Quaker Chemical Corp.	313	79,311
Rayonier Advanced Materials, Inc. (A)	1,194	7,785
RPM International, Inc.	2,513	228,130
Sensient Technologies Corp.	828	61,082
Stepan Company	392	46,773
The Chemours Company	3,379	83,765
The Mosaic Company	7,960	183,160
The Scotts Miracle-Gro Company	1,138	226,621
The Sherwin-Williams Company	1,790	1,315,489
Trecora Resources (A)	757	5,291
Tredegar Corp.	832	13,894
Trinseo SA	852	43,631
Valhi, Inc.	660	10,032
Valvoline, Inc.	3,909	90,454
W.R. Grace & Company	1,393	76,364
Westlake Chemical Corp.	2,620	213,792
Westlake Chemical Partners LP	799	19,048
		11,014,356
Construction materials – 0.1%		
Eagle Materials, Inc.	850	86,148
Forterra, Inc. (A)	1,414	24,314
Martin Marietta Materials, Inc.	1,202	341,332
Summit Materials, Inc., Class A (A)	2,396	48,112
U.S. Concrete, Inc. (A)	374	14,949
United States Lime & Minerals, Inc.	134	15,276
Vulcan Materials Company	2,544	377,301
		907,432
Containers and packaging – 0.4%		
AptarGroup, Inc.	1,044	142,913
Avery Dennison Corp.	1,684	261,205
Ball Corp.	6,467	602,595
Berry Global Group, Inc. (A)	2,667	149,859
Crown Holdings, Inc. (A)	2,597	260,219
Graphic Packaging Holding Company	5,879	99,590
Greif, Inc., Class A	1,049	49,177
International Paper Company	7,941	394,827
Myers Industries, Inc.	844	17,538
O-I Glass, Inc.	3,338	39,722
Packaging Corp. of America	1,855	255,823
Sealed Air Corp.	3,058	140,026
Silgan Holdings, Inc.	2,164	80,241
Sonoco Products Company	1,870	110,798
UFP Technologies, Inc. (A)	81	3,775
Westrock Company	5,339	232,407
		2,840,715
Metals and mining – 0.5%		
Alcoa Corp. (A)	4,059	93,560
Allegheny Technologies, Inc. (A)	2,687	45,061

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Metals and mining (continued)		
Arconic Corp. (A)	2,276	\$ 67,825
Carpenter Technology Corp.	1,071	31,188
Century Aluminum Company (A)	2,194	24,200
Cleveland-Cliffs, Inc.	8,361	121,736
Coeur Mining, Inc. (A)	5,000	51,750
Commercial Metals Company	2,537	52,110
Compass Minerals International, Inc.	766	47,278
Contura Energy, Inc. (A)	390	4,434
Freeport-McMoRan, Inc.	29,701	772,820
Friedman Industries, Inc.	13	89
General Moly, Inc. (A)(C)	4,421	0
Haynes International, Inc.	334	7,963
Hecla Mining Company	10,978	71,137
Kaiser Aluminum Corp.	367	36,296
Materion Corp.	423	26,954
Newmont Corp.	15,909	952,790
Nucor Corp.	5,856	311,481
Olympic Steel, Inc.	344	4,586
Ramaco Resources, Inc. (A)	924	2,661
Rare Element Resources, Ltd. (A)	2,635	2,833
Reliance Steel & Aluminum Company	1,081	129,450
Royal Gold, Inc.	1,387	147,521
Ryerson Holding Corp. (A)	938	12,794
Schnitzer Steel Industries, Inc., Class A	654	20,869
Silver Bull Resources, Inc. (A)	1,632	1,110
Solitario Zinc Corp. (A)	2,505	1,409
Southern Copper Corp.	15,715	1,023,361
Steel Dynamics, Inc.	4,244	156,476
SunCoke Energy, Inc.	2,119	9,218
TimkenSteel Corp. (A)	1,209	5,646
United States Steel Corp.	3,560	59,701
Universal Stainless & Alloy Products, Inc. (A)	144	1,077
Warrior Met Coal, Inc.	968	20,638
Worthington Industries, Inc.	793	40,713
		4,358,735
Paper and forest products – 0.0%		
Boise Cascade Company	849	40,582
Clearwater Paper Corp. (A)	390	14,723
Glatfelter Corp.	999	16,364
Louisiana-Pacific Corp.	2,491	92,590
Neenah, Inc.	345	19,085
Schweitzer-Mauduit International, Inc.	627	25,212
Verso Corp., Class A	768	9,231
		217,787
		19,339,025
Real estate – 3.0%		
Equity real estate investment trusts – 2.9%		
Acadia Realty Trust	1,860	26,393
Agree Realty Corp.	883	58,790
Alexander & Baldwin, Inc.	1,588	27,282
Alexander's, Inc.	108	29,954
Alexandria Real Estate Equities, Inc.	2,408	429,154
American Assets Trust, Inc.	1,271	36,706
American Campus Communities, Inc.	2,883	123,306
American Finance Trust, Inc.	2,393	17,780
American Homes 4 Rent, Class A	6,327	189,810
American Tower Corp.	8,763	1,966,943
Americold Realty Trust	4,031	150,477
Apartment Income REIT Corp. (A)	3,114	119,609
Apartment Investment and Management Company, Class A	3,114	16,442
Apple Hospitality REIT, Inc.	4,752	61,348
Armada Hoffer Properties, Inc.	1,229	13,789

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Ashford Hospitality Trust, Inc. (A)	287	\$ 743
AvalonBay Communities, Inc.	2,641	423,696
Bluerock Residential Growth REIT, Inc.	731	9,262
Boston Properties, Inc.	3,063	289,545
Braemar Hotels & Resorts, Inc. (A)	978	4,509
Brandywine Realty Trust	3,857	45,937
Brixmor Property Group, Inc.	6,250	103,438
BRT Apartments Corp.	385	5,852
Camden Property Trust	1,879	187,750
CareTrust REIT, Inc.	2,053	45,536
CatchMark Timber Trust, Inc., Class A	1,315	12,308
CBL & Associates Properties, Inc. (A)	4,721	196
Cedar Realty Trust, Inc.	378	3,829
Centerspace	226	15,965
Chatham Lodging Trust	1,057	11,416
CIM Commercial Trust Corp.	337	4,799
Clipper Realty, Inc.	526	3,708
Colony Capital, Inc.	10,479	50,404
Columbia Property Trust, Inc.	2,547	36,524
Community Healthcare Trust, Inc.	472	22,236
Condor Hospitality Trust, Inc. (A)	431	1,698
CoreCivic, Inc.	2,527	16,552
CorEnergy Infrastructure Trust, Inc.	318	2,178
CorePoint Lodging, Inc.	1,422	9,783
CoreSite Realty Corp.	786	98,470
Corporate Office Properties Trust	2,391	62,357
Cousins Properties, Inc.	3,094	103,649
Crown Castle International Corp.	8,631	1,373,969
CubeSmart	3,975	133,600
CyrusOne, Inc.	2,372	173,512
DiamondRock Hospitality Company (A)	4,310	35,558
Digital Realty Trust, Inc.	4,353	607,287
Diversified Healthcare Trust	5,157	21,247
Douglas Emmett, Inc.	3,681	107,412
Duke Realty Corp.	7,646	305,611
Easterly Government Properties, Inc.	1,561	35,357
EastGroup Properties, Inc.	807	111,414
Empire State Realty Trust, Inc., Class A	3,892	36,273
EPR Properties	1,636	53,170
Equinix, Inc.	1,767	1,261,956
Equity Commonwealth	1,372	37,428
Equity LifeStyle Properties, Inc.	3,682	233,292
Equity Residential	7,383	437,664
Essential Properties Realty Trust, Inc.	1,463	31,016
Essex Property Trust, Inc.	1,245	295,588
Extra Space Storage, Inc.	2,510	290,809
Farmland Partners, Inc.	930	8,091
Federal Realty Investment Trust	1,572	133,809
First Industrial Realty Trust, Inc.	2,680	112,908
Four Corners Property Trust, Inc.	1,453	43,256
Franklin Street Properties Corp.	2,261	9,881
Front Yard Residential Corp.	1,319	21,368
Gaming and Leisure Properties, Inc.	4,534	192,242
Getty Realty Corp.	966	26,604
Gladstone Commercial Corp.	793	14,274
Gladstone Land Corp.	706	10,336
Global Medical REIT, Inc.	854	11,153
Global Net Lease, Inc.	1,979	33,920
Healthcare Realty Trust, Inc.	2,832	83,827
Healthcare Trust of America, Inc., Class A	4,366	120,240
Healthpeak Properties, Inc.	10,353	312,971
Hersha Hospitality Trust	1,005	7,929
Highwoods Properties, Inc.	2,184	86,552
Host Hotels & Resorts, Inc.	15,005	219,523
Hudson Pacific Properties, Inc.	3,264	78,401

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (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)		
Independence Realty Trust, Inc.	2,095	\$ 28,136
Industrial Logistics Properties Trust	1,490	34,702
Innovative Industrial Properties, Inc.	316	57,869
Invitation Homes, Inc.	11,285	335,165
Iron Mountain, Inc.	6,007	177,086
iStar, Inc.	1,236	18,355
JBG SMITH Properties	2,856	89,307
Kilroy Realty Corp.	2,218	127,313
Kimco Realty Corp.	8,845	132,763
Kite Realty Group Trust	1,853	27,721
Lamar Advertising Company, Class A	2,080	173,098
Lexington Realty Trust	5,323	56,530
Life Storage, Inc.	897	107,093
LTC Properties, Inc.	837	32,568
Mack-Cali Realty Corp.	1,996	24,870
Medalist Diversified REIT, Inc.	376	820
Medical Properties Trust, Inc.	10,170	221,604
MGM Growth Properties LLC, Class A	2,079	65,073
Mid-America Apartment Communities, Inc.	2,225	281,885
Monmouth Real Estate Investment Corp.	2,045	35,419
National Health Investors, Inc.	880	60,870
National Retail Properties, Inc.	3,402	139,210
National Storage Affiliates Trust	1,224	44,101
New Senior Investment Group, Inc.	2,020	10,464
New York REIT Liquidating LLC (A)(C)	457	8,375
NexPoint Residential Trust, Inc.	583	24,667
Office Properties Income Trust	1,104	25,083
Omega Healthcare Investors, Inc.	4,564	165,764
One Liberty Properties, Inc.	547	10,978
Outfront Media, Inc.	3,037	59,404
Paramount Group, Inc.	4,911	44,395
Park Hotels & Resorts, Inc.	5,041	86,453
Pebblebrook Hotel Trust	2,802	52,678
Pennsylvania Real Estate Investment Trust	1,986	1,986
Physicians Realty Trust	3,981	70,862
Piedmont Office Realty Trust, Inc., Class A	2,477	40,202
Plymouth Industrial REIT, Inc.	429	6,435
Postal Realty Trust, Inc., Class A	83	1,401
PotlatchDeltic Corp.	1,473	73,679
Preferred Apartment Communities, Inc., Class A	904	6,690
Prologis, Inc.	14,637	1,458,723
PS Business Parks, Inc.	476	63,246
Public Storage	3,306	763,455
QTS Realty Trust, Inc., Class A	1,243	76,917
Rayonier, Inc.	2,839	83,410
Realty Income Corp.	6,750	419,648
Regency Centers Corp.	3,503	159,702
Retail Opportunity Investments Corp.	2,507	33,569
Retail Properties of America, Inc., Class A	4,627	39,607
Retail Value, Inc.	492	7,316
Rexford Industrial Realty, Inc.	2,347	115,261
RLJ Lodging Trust	3,635	51,435
RPT Realty	1,545	13,364
Ryman Hospitality Properties, Inc.	1,080	73,181
Sabra Health Care REIT, Inc.	4,102	71,252
Safehold, Inc.	890	64,516
Saul Centers, Inc.	494	15,650
SBA Communications Corp.	2,260	637,614
Seritage Growth Properties, Class A (A)	866	12,713
Service Properties Trust	3,498	40,192
Simon Property Group, Inc.	6,099	520,123
SITE Centers Corp.	4,050	40,986
SL Green Realty Corp.	1,680	100,094

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Equity real estate investment trusts (continued)		
Sotherly Hotels, Inc.	646	\$ 1,615
Spirit Realty Capital, Inc.	2,024	81,304
STAG Industrial, Inc.	2,912	91,204
STORE Capital Corp.	4,908	166,774
Summit Hotel Properties, Inc.	2,173	19,579
Sun Communities, Inc.	1,906	289,617
Sunstone Hotel Investors, Inc.	4,797	54,350
Tanger Factory Outlet Centers, Inc.	2,021	20,129
Terreno Realty Corp.	1,416	82,850
The GEO Group, Inc.	2,079	18,420
The Macerich Company	3,169	33,813
UDR, Inc.	6,125	235,384
UMH Properties, Inc.	958	14,188
Uniti Group, Inc.	4,136	48,515
Universal Health Realty Income Trust	293	18,831
Urban Edge Properties	2,581	33,398
Urstadt Biddle Properties, Inc., Class A	889	12,562
Ventas, Inc.	7,776	381,335
VEREIT, Inc.	4,377	165,407
VICI Properties, Inc.	9,506	242,403
Vornado Realty Trust	3,861	144,170
Washington Prime Group, Inc.	507	3,301
Washington Real Estate Investment Trust	1,739	37,615
Weingarten Realty Investors	2,712	58,769
Welltower, Inc.	8,465	547,008
Weyerhaeuser Company	15,205	509,824
Wheeler Real Estate Investment Trust, Inc. (A)	991	2,745
Whitestone REIT	991	7,898
WP Carey, Inc.	3,555	250,912
Xenia Hotels & Resorts, Inc.	2,429	36,921
		23,383,460
Real estate management and development – 0.1%		
CBRE Group, Inc., Class A (A)	6,680	418,970
CTO Realty Growth, Inc.	38	1,602
eXp World Holdings, Inc. (A)	1,472	92,913
Five Point Holdings LLC, Class A (A)	2,953	16,123
Forestar Group, Inc. (A)	1,120	22,602
FRP Holdings, Inc. (A)	258	11,752
Griffin Industrial Realty, Inc. (A)	183	11,438
Jones Lang LaSalle, Inc. (A)	1,017	150,892
Kennedy-Wilson Holdings, Inc.	3,061	54,761
Landmark Infrastructure Partners LP	598	6,411
Marcus & Millichap, Inc. (A)	815	30,342
Maui Land & Pineapple Company, Inc. (A)	514	5,926
Newmark Group, Inc., Class A	3,854	28,096
Rafael Holdings, Inc., Class B (A)	347	8,092
RE/MAX Holdings, Inc., Class A	431	15,658
Redfin Corp. (A)	1,978	135,750
Tejon Ranch Company (A)	613	8,858
The Howard Hughes Corp. (A)	903	71,274
The RMR Group, Inc., Class A	686	26,493
The St. Joe Company	1,315	55,822
		1,173,775
		24,557,235
Utilities – 2.5%		
Electric utilities – 1.5%		
ALLETE, Inc.	1,037	64,232
Alliant Energy Corp.	5,065	260,999
American Electric Power Company, Inc.	9,667	804,971
Avangrid, Inc.	6,148	279,427
Duke Energy Corp.	14,448	1,322,859
Edison International	7,481	469,956
Entergy Corp.	3,974	396,764

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Electric utilities (continued)		
Evergy, Inc.	4,731	\$ 262,618
Eversource Energy	6,749	583,856
Exelon Corp.	18,987	801,631
FirstEnergy Corp.	11,070	338,853
Genie Energy, Ltd., B Shares	706	5,090
Hawaiian Electric Industries, Inc.	2,097	74,213
IDACORP, Inc.	972	93,341
MGE Energy, Inc.	751	52,593
NextEra Energy, Inc.	38,660	2,982,619
NRG Energy, Inc.	4,878	183,169
OGE Energy Corp.	4,136	131,773
Otter Tail Corp.	842	35,878
PG&E Corp. (A)	33,695	419,840
Pinnacle West Capital Corp.	2,031	162,378
PNM Resources, Inc.	1,686	81,822
Portland General Electric Company	1,846	78,953
PPL Corp.	15,073	425,059
Spark Energy, Inc., Class A	849	8,125
The Southern Company	20,760	1,275,287
Xcel Energy, Inc.	10,394	692,968
		12,289,274
Gas utilities – 0.1%		
Atmos Energy Corp.	2,179	207,942
Chesapeake Utilities Corp.	361	39,064
National Fuel Gas Company	1,834	75,432
New Jersey Resources Corp.	1,989	70,709
Northwest Natural Holding Company	666	30,629
ONE Gas, Inc.	1,023	78,536
RGC Resources, Inc.	260	6,183
South Jersey Industries, Inc.	1,973	42,518
Southwest Gas Holdings, Inc.	904	54,918
Spire, Inc.	975	62,439
Star Group LP	997	9,382
Suburban Propane Partners LP	1,423	21,146
UGI Corp.	4,392	153,544
		852,442
Independent power and renewable electricity producers – 0.1%		
Atlantic Power Corp. (A)	3,277	6,882
Brookfield Renewable Corp., Class A	435	25,347
NextEra Energy Partners LP	1,301	87,232
Ormat Technologies, Inc.	1,076	97,141
Sunnova Energy International, Inc. (A)	1,517	68,462
The AES Corp.	13,906	326,791
Vistra Corp.	10,218	200,886
		812,741
Multi-utilities – 0.7%		
Ameren Corp.	4,776	372,815
Avista Corp.	1,415	56,798
Black Hills Corp.	1,306	80,254
CenterPoint Energy, Inc.	10,525	227,761
CMS Energy Corp.	5,568	339,704
Consolidated Edison, Inc.	6,406	462,962
Dominion Energy, Inc.	16,727	1,257,870
DTE Energy Company	3,714	450,917
MDU Resources Group, Inc.	3,916	103,147
NiSource, Inc.	7,730	177,326
NorthWestern Corp.	981	57,202
Public Service Enterprise Group, Inc.	10,002	583,117
Sempra Energy	5,652	720,121
Unitil Corp.	366	16,203
WEC Energy Group, Inc.	6,205	571,046
		5,477,243

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS (continued)		
Water utilities – 0.1%		
American States Water Company	757	\$ 60,189
American Water Works Company, Inc.	3,575	548,655
Artesian Resources Corp., Class A	287	10,642
Cadiz, Inc. (A)(B)	752	8,009
California Water Service Group	1,049	56,677
Essential Utilities, Inc.	3,802	179,797
Global Water Resources, Inc.	678	9,770
Middlesex Water Company	325	23,553
Pure Cycle Corp. (A)	700	7,861
SJW Group	625	43,350
The York Water Company	347	16,170
		964,673
		20,396,373
TOTAL COMMON STOCKS (Cost \$334,876,023)		\$ 810,449,533
PREFERRED SECURITIES – 0.0%		
Consumer discretionary – 0.0%		
Internet and direct marketing retail – 0.0%		
Qurate Retail, Inc., 8.000%	260	25,740
Industrials – 0.0%		
Industrial conglomerates – 0.0%		
Steel Partners Holdings LP, 6.000%	510	10,098
TOTAL PREFERRED SECURITIES (Cost \$82,033)		\$ 35,838
RIGHTS – 0.0%		
Bristol-Myers Squibb Company (Expiration Date: 3-31-21) (A)(D)	15,751	10,870
Pan American Silver Corp. (Expiration Date: 2-22-29) (A)(D)	7,232	5,966
TOTAL RIGHTS (Cost \$40,058)		\$ 16,836
WARRANTS – 0.0%		
Amplify Energy Corp. (Expiration Date: 5-4-22; Strike Price: \$42.60) (A)	57	1
Basic Energy Services, Inc. (Expiration Date: 12-23-23; Strike Price: \$55.25) (A)	55	1
Battalion Oil Corp. (Expiration Date: 10-8-22; Strike Price: \$40.17) (A)(C)	46	1
Denbury, Inc. (Expiration Date: 9-18-23; Strike Price: \$35.41) (A)	23	69
Eagle Bulk Shipping, Inc. (Expiration Date: 10-15-21; Strike Price: \$556.40) (A)	101	4
FTS International, Inc. (Expiration Date: 11-19-23; Strike Price: \$33.04) (A)	24	134
FTS International, Inc. (Expiration Date: 11-19-23; Strike Price: \$37.14) (A)	62	311
Genco Shipping & Trading, Ltd. (Expiration Date: 7-9-21; Strike Price: \$195.15) (A)	92	3
Hycroft Mining Holding Corp. (Expiration Date: 10-22-22) (A)(D)	196	71
Oasis Petroleum, Inc. (Expiration Date: 11-19-24; Strike Price: \$94.57) (A)	31	288
Talos Energy, Inc. (Expiration Date: 2-28-21; Strike Price: \$42.04) (A)	80	4

John Hancock Variable Insurance Trust

Portfolio of Investments — December 31, 2020 (showing percentage of total net assets)

Total Stock Market Index Trust (continued)

	Shares or Principal Amount	Value
WARRANTS (continued)		
Tidewater, Inc., Class A (Expiration Date: 7-31-23; Strike Price: \$57.06) (A)	66	\$ 30
Tidewater, Inc., Class B (Expiration Date: 7-31-23; Strike Price: \$62.28) (A)	71	25
TOTAL WARRANTS (Cost \$139,061)		\$ 942
SHORT-TERM INVESTMENTS – 2.6%		
Short-term funds – 1.3%		
John Hancock Collateral Trust, 0.1386% (E)(F)	1,047,108	10,477,471
Repurchase agreement – 1.3%		
Repurchase Agreement with State Street Corp. dated 12-31-20 at 0.000% to be repurchased at \$10,891,000 on 1-4-21, collateralized by \$11,121,800 U.S. Treasury Bills, 0.000% due 12-30-21 (valued at \$11,108,865)	\$ 10,891,000	10,891,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$21,370,253)		\$ 21,368,471
Total Investments (Total Stock Market Index Trust) (Cost \$356,507,428) – 101.9%		\$ 831,871,620
Other assets and liabilities, net – (1.9%)		(15,532,879)
TOTAL NET ASSETS – 100.0%		\$ 816,338,741

Total Stock Market Index Trust (continued)

Security Abbreviations and Legend

- (A) Non-income producing security.
 (B) All or a portion of this security is on loan as of 12-31-20.
 (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) Strike price and/or expiration date not available.
 (E) The rate shown is the annualized seven-day yield as of 12-31-20.
 (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.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
Russell 2000 E-Mini Index Futures	17	Long	Mar 2021	\$1,641,341	\$1,678,580	\$37,239
S&P 500 Index E-Mini Futures	59	Long	Mar 2021	10,822,298	11,058,960	236,662
						\$273,901

[^] 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.