

John Hancock Variable Insurance Trust

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

Active Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 41.9%		
U.S. Government – 15.7%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 2,000,000	\$ 1,124,609
1.625%, 11/15/2050	6,500,000	4,036,602
1.875%, 02/15/2041	6,000,000	4,357,266
2.000%, 08/15/2051	3,000,000	2,045,039
2.250%, 05/15/2041 to 02/15/2052	4,461,000	3,366,270
2.500%, 02/15/2045	7,566,000	5,857,739
3.000%, 02/15/2047 to 08/15/2052	12,291,000	10,421,909
3.375%, 08/15/2042 to 11/15/2048	5,925,000	5,372,274
3.625%, 02/15/2053	9,896,000	9,497,068
3.875%, 05/15/2043	7,799,000	7,610,118
4.000%, 11/15/2042	7,046,000	7,000,862
U.S. Treasury Notes		
1.125%, 02/15/2031	3,000,000	2,467,031
1.375%, 11/15/2031	4,000,000	3,298,281
1.625%, 05/15/2031	3,000,000	2,549,414
2.375%, 05/15/2027	1,100,000	1,024,289
2.875%, 08/15/2028	6,000,000	5,651,719
3.375%, 05/15/2033	5,342,000	5,151,691
3.750%, 05/31/2030 to 06/30/2030	6,680,000	6,587,259
		87,419,440
U.S. Government Agency – 26.2%		
Federal Home Loan Mortgage Corp.		
2.500%, 08/01/2051 to 12/01/2051	1,763,922	1,507,089
3.000%, 03/01/2043 to 12/01/2049	4,577,084	4,110,730
3.500%, 10/01/2046 to 04/01/2052	14,065,911	13,010,012
4.000%, 01/01/2041 to 05/01/2052	1,537,305	1,458,173
4.500%, 09/01/2023 to 09/01/2052	8,361,790	8,119,687
5.000%, 10/01/2052 to 02/01/2053	5,107,378	5,019,469
5.500%, 09/01/2052 to 03/01/2053	2,713,125	2,719,017
Federal National Mortgage Association		
2.459%, 04/01/2034 (A)	999,246	823,899
2.500%, 01/01/2036 to 03/01/2052	8,658,548	7,454,861
3.000%, 01/01/2043 to 03/01/2052	28,659,646	25,509,789
3.500%, 06/01/2042 to 05/01/2052	20,308,512	18,712,206
3.874%, (12 month LIBOR + 1.607%), 08/01/2034 (B)	119,075	120,575
4.000%, 10/01/2025 to 07/01/2052	22,604,598	21,424,231
4.500%, TBA (C)	5,184,000	4,981,502
4.500%, 11/01/2037 to 03/01/2053	9,706,254	9,402,742
5.000%, TBA (C)	2,195,000	2,150,500
5.000%, 12/01/2034 to 05/01/2053	10,858,722	10,715,305
5.000%, 05/01/2053 (C)	724,667	715,940
5.372%, (6 month LIBOR + 2.122%), 07/01/2033 (B)	12,451	12,633
5.500%, TBA (C)	303,000	301,544
5.500%, 09/01/2034 to 04/01/2053	5,367,001	5,391,913
6.000%, 05/01/2035 to 02/01/2036	817,311	835,512
7.000%, 09/01/2031 to 06/01/2032	69,581	72,254
7.500%, 09/01/2029 to 08/01/2031	8,698	9,009
Government National Mortgage Association		
4.000%, 02/15/2041	724,250	691,639
5.000%, 04/15/2035	96,765	95,710
5.500%, 03/15/2035	42,783	43,180
6.000%, 03/15/2033 to 06/15/2033	82,319	83,623
6.500%, 09/15/2028 to 08/15/2031	12,496	12,724
7.000%, 04/15/2029	16,142	16,431
8.000%, 10/15/2026	7,629	7,755
		145,529,654
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS		
(Cost \$252,193,402)	\$	232,949,094

Active Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS – 0.7%		
Argentina – 0.0%		
Republic of Argentina		
3.500%, (3.500% to 7-9-29, then 4.875% thereafter), 07/09/2041	\$ 396,000	\$ 126,891
Republic of Argentina, GDP-Linked Note		
7.807%, 12/15/2035 (D)*	ARS 19,532,033	997
		127,888
Germany – 0.2%		
Federal Republic of Germany		
6.250%, 01/04/2030	EUR 725,000	969,647
Mexico – 0.1%		
Government of Mexico		
8.000%, 12/07/2023	MXN 11,861,100	683,089
Panama – 0.1%		
Republic of Panama		
8.875%, 09/30/2027	\$ 344,000	394,083
9.375%, 04/01/2029	130,000	156,415
		550,498
Qatar – 0.2%		
State of Qatar		
3.375%, 03/14/2024 (E)	323,000	318,071
5.103%, 04/23/2048 (E)	375,000	373,155
		691,226
Saudi Arabia – 0.1%		
Kingdom of Saudi Arabia		
4.375%, 04/16/2029 (E)	601,000	584,620
United Kingdom – 0.0%		
Government of United Kingdom		
6.000%, 12/07/2028	GBP 85,000	114,442
TOTAL FOREIGN GOVERNMENT OBLIGATIONS		
(Cost \$4,303,405)	\$	3,721,410
CORPORATE BONDS – 39.6%		
Communication services – 3.4%		
AT&T, Inc.		
4.350%, 06/15/2045	\$ 285,000	238,836
7.625%, 04/15/2031	451,000	508,770
C&W Senior Financing DAC		
6.875%, 09/15/2027 (E)	251,000	218,998
Charter Communications Operating LLC		
2.800%, 04/01/2031	400,000	321,864
4.200%, 03/15/2028	526,000	493,109
4.800%, 03/01/2050	557,000	420,256
5.750%, 04/01/2048	606,000	518,712
6.484%, 10/23/2045	429,000	403,311
Comcast Corp.		
3.969%, 11/01/2047	633,000	524,269
3.999%, 11/01/2049	761,000	628,111
Connect Finco SARL		
6.750%, 10/01/2026 (E)	315,000	305,965
Deutsche Telekom International Finance BV		
8.750%, 06/15/2030	758,000	907,769
Fox Corp.		
3.500%, 04/08/2030	400,000	358,933
GCI LLC		
4.750%, 10/15/2028 (E)	249,000	212,297
Globo Comunicacao e Participacoes SA		
4.875%, 01/22/2030 (E)	400,000	318,505
Lumen Technologies, Inc.		
7.600%, 09/15/2039	1,000,000	415,707
Match Group Holdings II LLC		
3.625%, 10/01/2031 (E)	81,000	66,577
4.125%, 08/01/2030 (E)	189,000	161,879

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Meta Platforms, Inc. 4.800%, 05/15/2030	\$ 143,000	\$ 143,105
Millicom International Cellular SA 6.250%, 03/25/2029 (E)	214,200	192,065
MTN Mauritius Investments, Ltd. 4.755%, 11/11/2024 (E)	140,000	136,080
Netflix, Inc. 4.375%, 11/15/2026	700,000	683,492
4.875%, 04/15/2028	527,000	521,187
5.375%, 11/15/2029 (E)	80,000	80,296
5.875%, 11/15/2028	447,000	461,662
News Corp. 3.875%, 05/15/2029 (E)	209,000	183,461
Paramount Global 4.375%, 03/15/2043	642,000	452,921
Sirius XM Radio, Inc. 4.000%, 07/15/2028 (E)	213,000	185,070
5.000%, 08/01/2027 (E)	373,000	346,066
Sprint Capital Corp. 6.875%, 11/15/2028	400,000	423,997
Stagwell Global LLC 5.625%, 08/15/2029 (E)	125,000	106,967
Telesat Canada 5.625%, 12/06/2026 (E)	112,000	69,119
Time Warner Cable Enterprises LLC 8.375%, 07/15/2033	300,000	329,541
Time Warner Cable LLC 5.500%, 09/01/2041	450,000	374,371
T-Mobile USA, Inc. 2.875%, 02/15/2031	59,000	49,870
3.375%, 04/15/2029	372,000	335,934
3.875%, 04/15/2030	1,197,000	1,102,759
4.500%, 04/15/2050	300,000	257,414
5.750%, 01/15/2054	342,000	353,195
Total Play Telecomunicaciones SA de CV 6.375%, 09/20/2028 (E)	278,000	161,571
7.500%, 11/12/2025 (E)	404,000	286,890
Verizon Communications, Inc. 4.272%, 01/15/2036	1,311,000	1,182,047
4.522%, 09/15/2048	978,000	860,627
4.672%, 03/15/2055	397,000	352,106
5.012%, 08/21/2054	335,000	310,005
Vodafone Group PLC 5.625%, 02/10/2053	173,000	169,597
7.000%, (7.000% to 1-4-29, then 5 Year U.S. Swap Rate + 4.873%), 04/04/2079	277,000	284,022
WarnerMedia Holdings, Inc. 4.279%, 03/15/2032	257,000	227,927
5.050%, 03/15/2042	143,000	120,530
5.141%, 03/15/2052	900,000	732,823
WMG Acquisition Corp. 3.875%, 07/15/2030 (E)	222,000	191,500
		18,692,085
Consumer discretionary – 3.9%		
Affinity Interactive		
6.875%, 12/15/2027 (E)	159,000	139,920
Asbury Automotive Group, Inc.		
4.625%, 11/15/2029 (E)	50,000	44,381
4.750%, 03/01/2030	175,000	155,504
AutoNation, Inc.		
4.750%, 06/01/2030	793,000	741,460
AutoZone, Inc.		
3.125%, 04/21/2026	535,000	505,672

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Booking Holdings, Inc. 4.625%, 04/13/2030	\$ 324,000	\$ 315,693
Brookfield Residential Properties, Inc. 5.000%, 06/15/2029 (E)	154,000	123,312
Caesars Entertainment, Inc. 7.000%, 02/15/2030 (E)	92,000	92,390
CCM Merger, Inc. 6.375%, 05/01/2026 (E)	139,000	134,830
Century Communities, Inc. 3.875%, 08/15/2029 (E)	189,000	163,780
Choice Hotels International, Inc. 3.700%, 12/01/2029 to 01/15/2031	405,000	346,439
Dealer Tire LLC 8.000%, 02/01/2028 (E)	122,000	111,138
eBay, Inc. 2.700%, 03/11/2030	439,000	376,988
Expedia Group, Inc. 2.950%, 03/15/2031	190,000	160,105
4.625%, 08/01/2027	339,000	328,507
5.000%, 02/15/2026	700,000	690,100
Ford Motor Company 3.250%, 02/12/2032	177,000	139,243
Ford Motor Credit Company LLC 4.000%, 11/13/2030	225,000	192,281
4.125%, 08/17/2027	346,000	315,948
5.113%, 05/03/2029	532,000	493,382
6.800%, 05/12/2028	770,000	770,706
Full House Resorts, Inc. 8.250%, 02/15/2028 (E)	134,000	125,421
General Motors Company 5.400%, 10/15/2029 to 04/01/2048	531,000	500,136
General Motors Financial Company, Inc. 2.400%, 10/15/2028	715,000	605,388
3.600%, 06/21/2030	875,000	755,980
Group 1 Automotive, Inc. 4.000%, 08/15/2028 (E)	140,000	123,285
Hilton Grand Vacations Borrower Escrow LLC 4.875%, 07/01/2031 (E)	187,000	156,881
5.000%, 06/01/2029 (E)	238,000	211,213
Hyatt Hotels Corp. 5.750%, 04/23/2030	176,000	176,087
Hyundai Capital America 2.375%, 10/15/2027 (E)	156,000	136,484
Jacobs Entertainment, Inc. 6.750%, 02/15/2029 (E)	104,000	93,085
KB Home 4.000%, 06/15/2031	215,000	185,369
7.250%, 07/15/2030	56,000	56,706
Lithia Motors, Inc. 3.875%, 06/01/2029 (E)	101,000	87,754
4.375%, 01/15/2031 (E)	101,000	87,183
4.625%, 12/15/2027 (E)	50,000	46,705
LKQ Corp. 5.750%, 06/15/2028 (E)	100,000	99,675
Macy's Retail Holdings LLC 5.875%, 04/01/2029 to 03/15/2030 (E)	199,000	179,598
6.125%, 03/15/2032 (E)	171,000	149,603
Marriott International, Inc. 2.850%, 04/15/2031	500,000	420,399
3.125%, 06/15/2026	1,000,000	939,115
4.625%, 06/15/2030	308,000	294,904
McDonald's Corp. 3.600%, 07/01/2030	500,000	465,170
4.200%, 04/01/2050	500,000	432,478

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Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
MDC Holdings, Inc. 2.500%, 01/15/2031	\$ 155,000	\$ 121,774
MGM Resorts International 4.750%, 10/15/2028	400,000	363,139
Midwest Gaming Borrower LLC 4.875%, 05/01/2029 (E)	252,000	222,528
Mohegan Tribal Gaming Authority 8.000%, 02/01/2026 (E)	209,000	199,595
NCL Corp., Ltd. 3.625%, 12/15/2024 (E)	700,000	673,596
New Red Finance, Inc. 4.000%, 10/15/2030 (E)	473,000	404,809
NIKE, Inc. 2.750%, 03/27/2027	500,000	469,568
	500,000	451,491
Nissan Motor Acceptance Company LLC 1.850%, 09/16/2026 (E)	361,000	306,258
	2,000,000	176,000
Resorts World Las Vegas LLC 4.625%, 04/16/2029 (E)	300,000	247,472
The Home Depot, Inc. 2.500%, 04/15/2027	500,000	463,787
	500,000	444,221
The Michaels Companies, Inc. 5.250%, 05/01/2028 (E)	304,000	245,614
	281,000	189,335
The TJX Companies, Inc. 3.875%, 04/15/2030	400,000	381,551
	400,000	374,658
Toll Brothers Finance Corp. 4.875%, 03/15/2027	500,000	484,134
Travel + Leisure Company 4.625%, 03/01/2030 (E)	101,000	85,471
	700,000	679,490
United Airlines 2023-1 Class A Pass Through Trust 5.800%, 01/15/2036	330,000	336,293
Valvoline, Inc. 3.625%, 06/15/2031 (E)	302,000	245,478
Wyndham Hotels & Resorts, Inc. 4.375%, 08/15/2028 (E)	133,000	121,456
Yum! Brands, Inc. 3.625%, 03/15/2031	186,000	160,690
	4,750,000	122,670
	5,350,000	523,561
	6,875,000	313,873
		21,456,912
Consumer staples – 1.8%		
Anheuser-Busch Companies LLC 4.700%, 02/01/2036	348,000	338,470
	151,000	144,324
Anheuser-Busch InBev Worldwide, Inc. 4.439%, 10/06/2048	730,000	656,903
Bunge, Ltd. Finance Corp. 3.250%, 08/15/2026	500,000	470,342
Coruipie Netherlands BV 10.000%, 02/10/2027 (E)	231,000	145,345
Edgewell Personal Care Company 4.125%, 04/01/2029 (E)	104,000	90,740
	183,000	172,975
Fomento Economico Mexicano SAB de CV 4.375%, 05/10/2043	1,000,000	875,870
General Mills, Inc. 2.875%, 04/15/2030	400,000	355,220

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
JBS USA LUX SA 3.625%, 01/15/2032 (E)	\$ 271,000	\$ 219,900
	86,000	70,523
	155,000	148,842
	424,000	398,540
Keurig Dr. Pepper, Inc. 3.200%, 05/01/2030	560,000	502,137
Kraft Heinz Foods Company 4.375%, 06/01/2046	573,000	486,967
	164,000	149,644
	175,000	163,769
MARB BondCo PLC 3.950%, 01/29/2031 (E)	308,000	220,485
NBM US Holdings, Inc. 6.625%, 08/06/2029 (E)	274,000	250,892
Oriflame Investment Holding PLC 5.125%, 05/04/2026 (E)	270,000	121,500
PepsiCo, Inc. 2.750%, 03/19/2030	500,000	449,687
Pilgrim's Pride Corp. 6.250%, 07/01/2033	302,000	292,515
Reynolds American, Inc. 4.850%, 09/15/2023	1,000,000	997,389
Sysco Corp. 5.950%, 04/01/2030	355,000	371,623
	1,000,000	1,139,855
Target Corp. 2.250%, 04/15/2025	500,000	476,175
The Estee Lauder Companies, Inc. 2.600%, 04/15/2030	400,000	349,930
The Hershey Company 4.500%, 05/04/2033	105,000	104,271
		10,164,833
Energy – 4.5%		
Aker BP ASA 4.000%, 01/15/2031 (E)	523,000	465,108
Anadarko Petroleum Corp. 4.500%, 07/15/2044 (F)	400,000	257,924
	800,000	761,800
Antero Midstream Partners LP 5.375%, 06/15/2029 (E)	233,000	216,499
Antero Resources Corp. 5.375%, 03/01/2030 (E)	90,000	83,317
Apache Corp. 5.100%, 09/01/2040	325,000	264,063
Ascent Resources Utica Holdings LLC 5.875%, 06/30/2029 (E)	296,000	264,074
Buckeye Partners LP 3.950%, 12/01/2026	500,000	451,380
Cameron International Corp. 5.950%, 06/01/2041	1,178,000	1,102,649
Cheniere Energy Partners LP 4.000%, 03/01/2031	436,000	383,893
	416,000	381,787
CNOOC Finance 2003, Ltd. 5.500%, 05/21/2033 (E)	545,000	560,861
CNX Resources Corp. 7.375%, 01/15/2031 (E)	55,000	53,512
ConocoPhillips Company 5.950%, 03/15/2046	30,000	32,360
Continental Resources, Inc. 4.900%, 06/01/2044	595,000	462,368
CSI Compressco LP 7.500%, 04/01/2025 (E)	354,000	338,070

John Hancock Variable Insurance Trust

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Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Devon Energy Corp.		
5.000%, 06/15/2045	\$ 600,000	\$ 520,215
7.875%, 09/30/2031	874,000	991,802
Diamondback Energy, Inc.		
3.125%, 03/24/2031	257,000	220,140
Enbridge Energy Partners LP		
7.500%, 04/15/2038	600,000	673,056
Enbridge, Inc.		
5.500%, (5.500% to 7-15-27, then 3 month LIBOR + 3.418%), 07/15/2077	312,000	277,711
5.750%, (5.750% to 4-15-30, then 5 Year CMT + 5.314%), 07/15/2080	403,000	363,961
6.250%, (6.250% to 3-1-28, then 3 month LIBOR + 3.641%), 03/01/2078	279,000	256,717
Energiean Israel Finance, Ltd.		
5.375%, 03/30/2028 (E)	99,000	89,061
5.875%, 03/30/2031 (E)	172,000	149,898
Energy Transfer LP		
4.200%, 04/15/2027	228,000	217,694
5.150%, 03/15/2045	340,000	293,191
5.250%, 04/15/2029	315,000	307,516
5.400%, 10/01/2047	371,000	326,989
5.500%, 06/01/2027	302,000	300,363
5.950%, 10/01/2043	300,000	279,878
6.500%, (6.500% to 11-15-26, then 5 Year CMT + 5.694%), 11/15/2026 (G)	583,000	529,551
7.125%, (7.125% to 5-15-30, then 5 Year CMT + 5.306%), 05/15/2030 (G)	328,000	278,118
Enterprise Products Operating LLC		
5.250%, (5.250% to 8-16-27, then 3 month CME Term SOFR + 3.295%), 08/16/2077	578,000	505,437
6.875%, 03/01/2033	471,000	530,062
EQM Midstream Partners LP		
7.500%, 06/01/2027 to 06/01/2030 (E)	61,000	61,636
Hess Corp.		
5.600%, 02/15/2041	400,000	382,710
5.800%, 04/01/2047	500,000	485,765
Hess Midstream Operations LP		
4.250%, 02/15/2030 (E)	78,000	68,055
5.500%, 10/15/2030 (E)	31,000	28,675
Kinder Morgan Energy Partners LP		
7.750%, 03/15/2032	172,000	192,522
Leviathan Bond, Ltd.		
6.500%, 06/30/2027 (E)	366,000	350,921
6.750%, 06/30/2030 (E)	85,000	79,141
Marathon Oil Corp.		
6.800%, 03/15/2032	785,000	812,094
MC Brazil Downstream Trading SARL		
7.250%, 06/30/2031 (E)	266,313	179,872
MPLX LP		
4.000%, 03/15/2028	265,000	249,725
4.125%, 03/01/2027	103,000	98,554
4.250%, 12/01/2027	225,000	213,677
4.950%, 09/01/2032	179,000	170,983
5.000%, 03/01/2033	185,000	177,209
Occidental Petroleum Corp.		
6.450%, 09/15/2036	282,000	289,417
6.600%, 03/15/2046	151,000	155,462
6.625%, 09/01/2030	372,000	386,545

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
ONEOK Partners LP		
6.650%, 10/01/2036	\$ 835,000	\$ 856,994
ONEOK, Inc.		
6.100%, 11/15/2032	500,000	508,677
Ovintiv, Inc.		
5.650%, 05/15/2028	104,000	101,938
6.250%, 07/15/2033	104,000	102,578
7.200%, 11/01/2031	55,000	57,714
Parkland Corp.		
4.500%, 10/01/2029 (E)	176,000	152,680
4.625%, 05/01/2030 (E)	172,000	149,133
Petroleos Mexicanos		
8.750%, 06/02/2029	150,000	135,742
Plains All American Pipeline LP		
4.900%, 02/15/2045	750,000	603,736
Sabine Pass Liquefaction LLC		
4.200%, 03/15/2028	195,000	184,814
4.500%, 05/15/2030	380,000	361,214
5.000%, 03/15/2027	186,000	183,077
5.875%, 06/30/2026	234,000	235,916
Sinopec Group Overseas Development 2015, Ltd.		
3.250%, 04/28/2025 (E)	550,000	527,730
Southwestern Energy Company		
4.750%, 02/01/2032	129,000	113,692
Sunoco LP		
4.500%, 05/15/2029 to 04/30/2030	348,000	305,480
Targa Resources Corp.		
4.950%, 04/15/2052	408,000	337,100
Targa Resources Partners LP		
4.000%, 01/15/2032	336,000	290,449
The Williams Companies, Inc.		
3.750%, 06/15/2027	306,000	288,772
4.650%, 08/15/2032	251,000	237,700
Valero Energy Corp.		
2.850%, 04/15/2025	400,000	379,594
Var Energi ASA		
7.500%, 01/15/2028 (E)	231,000	237,406
8.000%, 11/15/2032 (E)	487,000	515,251
Venture Global Calcasieu Pass LLC		
3.875%, 08/15/2029 (E)	95,000	82,991
4.125%, 08/15/2031 (E)	158,000	135,875
Western Midstream Operating LP		
4.300%, 02/01/2030	285,000	255,887
6.150%, 04/01/2033	71,000	71,560
		24,987,688
Financials – 9.7%		
Ally Financial, Inc.		
6.992%, (6.992% to 6-13-28, then SOFR + 3.260%), 06/13/2029	272,000	268,601
7.100%, 11/15/2027	202,000	203,734
Ambac Assurance Corp.		
5.100%, 07/28/2023 (E)(G)	131	191
American International Group, Inc.		
3.900%, 04/01/2026	415,000	398,745
6.250%, (6.250% to 3-15-37, then 3 month LIBOR + 2.056%), 03/15/2037	100,000	92,000
Ameriprise Financial, Inc.		
2.875%, 09/15/2026	500,000	466,482
Ares Capital Corp.		
2.150%, 07/15/2026	377,000	326,887
2.875%, 06/15/2028	309,000	255,533
3.250%, 07/15/2025	169,000	156,317
3.875%, 01/15/2026	787,000	729,639

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Ares Capital Corp. (continued)		
4.200%, 06/10/2024	\$ 102,000	\$ 99,558
Athene Holding, Ltd.		
3.500%, 01/15/2031	206,000	170,214
Banco Santander SA		
4.379%, 04/12/2028	348,000	328,125
Bank of America Corp.		
2.087%, (2.087% to 6-14-28, then SOFR + 1.060%), 06/14/2029	472,000	402,691
2.592%, (2.592% to 4-29-30, then SOFR + 2.150%), 04/29/2031	558,000	468,461
2.687%, (2.687% to 4-22-31, then SOFR + 1.320%), 04/22/2032	831,000	688,688
2.884%, (2.884% to 10-22-29, then 3 month CME Term SOFR + 1.452%), 10/22/2030	500,000	430,477
3.248%, 10/21/2027	375,000	349,299
3.419%, (3.419% to 12-20-27, then 3 month CME Term SOFR + 1.302%), 12/20/2028	1,087,000	996,805
3.846%, (3.846% to 3-8-32, then 5 Year CMT + 2.000%), 03/08/2037	414,000	354,021
4.083%, (4.083% to 3-20-50, then 3 month CME Term SOFR + 3.412%), 03/20/2051	500,000	414,556
6.300%, (6.300% to 3-10-26, then 3 month CME Term SOFR + 4.815%), 03/10/2026 (G)	587,000	585,386
Barclays PLC		
4.375%, (4.375% to 3-15-28, then 5 Year CMT + 3.410%), 03/15/2028 (G)	391,000	265,645
BlackRock, Inc.		
1.900%, 01/28/2031	500,000	410,021
Blackstone Holdings Finance Company LLC		
6.200%, 04/22/2033 (E)	300,000	306,418
Blackstone Private Credit Fund		
2.350%, 11/22/2024	351,000	327,939
2.700%, 01/15/2025	277,000	258,378
3.250%, 03/15/2027	79,000	68,266
4.000%, 01/15/2029	389,000	329,734
7.050%, 09/29/2025	300,000	299,222
Block, Inc.		
3.500%, 06/01/2031	126,000	104,356
BPCE SA		
4.500%, 03/15/2025 (E)	356,000	341,619
Capital One Financial Corp.		
3.750%, 07/28/2026	500,000	465,638
Citigroup, Inc.		
4.412%, (4.412% to 3-31-30, then SOFR + 3.914%), 03/31/2031	1,000,000	940,262
4.600%, 03/09/2026	540,000	522,800
4.700%, (4.700% to 1-30-25, then SOFR + 3.234%), 01/30/2025 (G)	427,000	366,750
6.174%, (6.174% to 5-25-33, then SOFR + 2.661%), 05/25/2034	346,000	349,014
6.250%, (6.250% to 8-15-26, then 3 month CME Term SOFR + 4.779%), 08/15/2026 (G)	375,000	369,011
Citizens Financial Group, Inc.		
3.250%, 04/30/2030	498,000	406,942
CNA Financial Corp.		
2.050%, 08/15/2030	105,000	83,961
CNO Financial Group, Inc.		
5.250%, 05/30/2025 to 05/30/2029	506,000	483,200

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Credit Agricole SA		
2.811%, 01/11/2041 (E)	\$ 279,000	\$ 183,877
3.250%, 01/14/2030 (E)	589,000	502,822
4.375%, 03/17/2025 (E)	600,000	577,973
7.875%, (7.875% to 1-23-24, then 5 Year U.S. Swap Rate + 4.898%), 01/23/2024 (E)(G)	215,000	212,503
Danske Bank A/S		
6.466%, (6.466% to 1-9-25, then 1 Year CMT + 2.100%), 01/09/2026 (E)	318,000	317,242
Deutsche Bank AG		
2.311%, (2.311% to 11-16-26, then SOFR + 1.219%), 11/16/2027	327,000	281,003
3.742%, (3.742% to 10-7-31, then SOFR + 2.257%), 01/07/2033	430,000	315,349
Discover Financial Services		
4.100%, 02/09/2027	117,000	108,546
Enova International, Inc.		
8.500%, 09/15/2025 (E)	178,000	173,328
Fairfax Financial Holdings, Ltd.		
5.625%, 08/16/2032	800,000	772,785
Fifth Third Bancorp		
8.571%, (3 month LIBOR + 3.033%), 07/31/2023 (B)(G)	210,000	188,495
Fiserv, Inc.		
2.250%, 06/01/2027	400,000	359,208
3.850%, 06/01/2025	614,000	593,128
Global Atlantic Fin Company		
3.125%, 06/15/2031 (E)	1,000,000	752,836
ING Groep NV		
6.500%, (6.500% to 4-16-25, then 5 Year U.S. Swap Rate + 4.446%), 04/16/2025 (G)	135,000	125,982
JPMorgan Chase & Co.		
2.522%, (2.522% to 4-22-30, then SOFR + 2.040%), 04/22/2031	481,000	406,851
2.956%, (2.956% to 5-13-30, then 3 month CME Term SOFR + 2.515%), 05/13/2031	459,000	393,570
4.125%, 12/15/2026	600,000	577,633
4.600%, (4.600% to 2-1-25, then 3 month CME Term SOFR + 3.125%), 02/01/2025 (G)	373,000	347,823
5.717%, (5.717% to 9-14-32, then SOFR + 2.580%), 09/14/2033	1,000,000	1,014,493
6.750%, (6.750% to 2-1-24, then 3 month CME Term SOFR + 4.042%), 02/01/2024 (G)	335,000	335,871
KKR Group Finance Company XII LLC		
4.850%, 05/17/2032 (E)	500,000	471,320
Lazard Group LLC		
4.375%, 03/11/2029	323,000	299,811
Legg Mason, Inc.		
3.950%, 07/15/2024	660,000	644,318
4.750%, 03/15/2026	825,000	814,199
Liberty Mutual Group, Inc.		
3.950%, 05/15/2060 (E)	500,000	353,640
4.125%, (4.125% to 9-15-26, then 5 Year CMT + 3.315%), 12/15/2051 (E)	263,000	206,665
Lloyds Banking Group PLC		
7.500%, (7.500% to 6-27-24, then 5 Year U.S. Swap Rate + 4.760%), 06/27/2024 (G)	345,000	329,561

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Loews Corp.		
3.750%, 04/01/2026	\$ 825,000	\$ 799,609
M&T Bank Corp.		
5.125%, (5.125% to 11-1-26, then 3 month LIBOR + 3.520%), 11/01/2026 (G)	116,000	91,565
Macquarie Bank, Ltd.		
3.624%, 06/03/2030 (E)	204,000	171,556
4.875%, 06/10/2025 (E)	262,000	253,702
Markel Group, Inc.		
5.000%, 03/30/2043	1,270,000	1,106,408
MetLife, Inc.		
3.000%, 03/01/2025	300,000	289,619
6.400%, (6.400% to 12-15-36, then 3 month LIBOR + 2.205%), 12/15/2036	347,000	346,322
Morgan Stanley		
2.239%, (2.239% to 7-21-31, then SOFR + 1.178%), 07/21/2032	203,000	161,342
2.484%, (2.484% to 9-16-31, then SOFR + 1.360%), 09/16/2036	1,511,000	1,146,457
3.622%, (3.622% to 4-1-30, then SOFR + 3.120%), 04/01/2031	1,000,000	901,091
4.431%, (4.431% to 1-23-29, then 3 month CME Term SOFR + 1.890%), 01/23/2030	70,000	66,600
5.164%, (5.164% to 4-20-28, then SOFR + 1.590%), 04/20/2029	412,000	406,968
5.948%, (5.948% to 1-19-33, then 5 Year CMT + 2.430%), 01/19/2038	1,000,000	987,042
MSCI, Inc.		
3.625%, 11/01/2031 (E)	367,000	313,298
Nationstar Mortgage Holdings, Inc.		
5.125%, 12/15/2030 (E)	85,000	68,952
5.500%, 08/15/2028 (E)	156,000	136,647
6.000%, 01/15/2027 (E)	99,000	92,098
Nationwide Mutual Insurance Company		
7.842%, (3 month LIBOR + 2.290%), 12/15/2024 (B)(E)	1,130,000	1,128,869
NatWest Group PLC		
3.875%, 09/12/2023	500,000	497,150
6.000%, (6.000% to 12-29-25, then 5 Year CMT + 5.625%), 12/29/2025 (G)	431,000	398,675
NatWest Markets PLC		
1.600%, 09/29/2026 (E)	494,000	433,120
Nippon Life Insurance Company		
2.750%, (2.750% to 1-21-31, then 5 Year CMT + 2.653%), 01/21/2051 (E)	267,000	219,574
OneMain Finance Corp.		
6.875%, 03/15/2025	91,000	90,102
9.000%, 01/15/2029	116,000	116,980
PayPal Holdings, Inc.		
2.300%, 06/01/2030	400,000	339,103
2.850%, 10/01/2029	1,180,000	1,046,362
Popular, Inc.		
7.250%, 03/13/2028	260,000	259,701
Prudential Financial, Inc.		
5.125%, (5.125% to 11-28-31, then 5 Year CMT + 3.162%), 03/01/2052	127,000	114,664
Raymond James Financial, Inc.		
4.950%, 07/15/2046	500,000	450,930
Santander Holdings USA, Inc.		
2.490%, (2.490% to 1-6-27, then SOFR + 1.249%), 01/06/2028	340,000	293,651

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Santander Holdings		
USA, Inc. (continued)		
3.244%, 10/05/2026	\$ 706,000	\$ 635,648
3.450%, 06/02/2025	578,000	545,042
4.400%, 07/13/2027	143,000	134,294
SBL Holdings, Inc.		
5.000%, 02/18/2031 (E)	300,000	232,328
Societe Generale SA		
5.375%, (5.375% to 11-18-30, then 5 Year CMT + 4.514%), 11/18/2030 (E)(G)	355,000	263,403
6.446%, (6.446% to 1-10-28, then 1 Year CMT + 2.550%), 01/10/2029 (E)	569,000	569,824
State Street Corp.		
2.901%, (2.901% to 3-30-25, then SOFR + 2.600%), 03/30/2026	1,000,000	953,639
Stifel Financial Corp.		
4.250%, 07/18/2024	1,300,000	1,272,556
Teachers Insurance & Annuity Association of America		
4.270%, 05/15/2047 (E)	365,000	301,781
The Charles Schwab Corp.		
5.643%, (5.643% to 5-19-28, then SOFR + 2.210%), 05/19/2029	349,000	348,581
The Goldman Sachs Group, Inc.		
2.615%, (2.615% to 4-22-31, then SOFR + 1.281%), 04/22/2032	964,000	790,595
2.650%, (2.650% to 10-21-31, then SOFR + 1.264%), 10/21/2032	407,000	331,756
3.500%, 04/01/2025	500,000	480,295
6.750%, 10/01/2037	800,000	860,435
The Hartford Financial Services Group, Inc.		
6.625%, 03/30/2040	500,000	527,192
The PNC Financial Services Group, Inc.		
3.400%, (3.400% to 9-15-26, then 5 Year CMT + 2.595%), 09/15/2026 (G)	497,000	366,538
4.758%, (4.758% to 1-26-26, then SOFR + 1.085%), 01/26/2027	500,000	488,662
5.582%, (5.582% to 6-12-28, then SOFR + 1.841%), 06/12/2029	517,000	514,567
6.250%, (6.250% to 3-15-30, then 7 Year CMT + 2.808%), 03/15/2030 (G)	262,000	235,211
8.536%, (3 month LIBOR + 3.040%), 09/01/2023 (B)(G)	178,000	176,420
8.977%, (3 month LIBOR + 3.678%), 08/01/2023 (B)(G)	373,000	372,626
Truist Financial Corp.		
5.867%, (5.867% to 6-8-33, then SOFR + 2.361%), 06/08/2034	307,000	307,126
U.S. Bancorp		
5.836%, (5.836% to 6-10-33, then SOFR + 2.260%), 06/12/2034	344,000	346,489
Visa, Inc.		
2.050%, 04/15/2030	400,000	342,575
Voya Financial, Inc.		
4.800%, 06/15/2046	700,000	574,930
Wells Fargo & Company		
2.393%, (2.393% to 6-2-27, then SOFR + 2.100%), 06/02/2028	810,000	721,816

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Wells Fargo & Company (continued)		
2.879%, (2.879% to 10-30-29, then 3 month CME Term SOFR + 1.432%), 10/30/2030	\$ 664,000	\$ 573,487
3.350%, (3.350% to 3-2-32, then SOFR + 1.500%), 03/02/2033	829,000	709,503
5.875%, (5.875% to 6-15-25, then 3 month LIBOR + 3.990%), 06/15/2025 (G)	823,000	806,456
		54,058,350
Health care – 2.3%		
Abbott Laboratories		
3.750%, 11/30/2026	680,000	662,966
AbbVie, Inc.		
3.200%, 11/21/2029	1,631,000	1,474,875
AdaptHealth LLC		
5.125%, 03/01/2030 (E)	168,000	136,080
AmerisourceBergen Corp.		
2.800%, 05/15/2030	309,000	268,156
Amgen, Inc.		
5.250%, 03/02/2030	109,000	109,217
Baxter International, Inc.		
3.500%, 08/15/2046	500,000	346,358
Biogen, Inc.		
2.250%, 05/01/2030	400,000	334,169
3.150%, 05/01/2050	500,000	342,067
Centene Corp.		
2.450%, 07/15/2028	88,000	75,219
3.000%, 10/15/2030	286,000	238,323
3.375%, 02/15/2030	183,000	157,278
CVS Health Corp.		
3.750%, 04/01/2030	115,000	105,487
5.050%, 03/25/2048	328,000	302,332
5.250%, 01/30/2031	67,000	66,790
5.300%, 06/01/2033	185,000	184,713
CVS Pass-Through Trust		
8.353%, 07/10/2031 (E)	763,850	822,359
DaVita, Inc.		
3.750%, 02/15/2031 (E)	308,000	246,256
4.625%, 06/01/2030 (E)	302,000	259,260
Elevance Health, Inc.		
6.100%, 10/15/2052	167,000	182,944
Encompass Health Corp.		
4.625%, 04/01/2031	93,000	82,441
Fresenius Medical Care US Finance III, Inc.		
2.375%, 02/16/2031 (E)	520,000	394,546
HCA, Inc.		
5.250%, 06/15/2026	216,000	213,639
5.375%, 02/01/2025	800,000	792,986
Humana, Inc.		
3.125%, 08/15/2029	500,000	441,363
Organon & Company		
5.125%, 04/30/2031 (E)	166,000	136,954
Pfizer, Inc.		
2.625%, 04/01/2030	500,000	444,468
Royalty Pharma PLC		
1.750%, 09/02/2027	186,000	159,492
Shire Acquisitions Investments Ireland DAC		
3.200%, 09/23/2026	500,000	469,476
Stanford Health Care		
3.310%, 08/15/2030	225,000	202,122

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Teva Pharmaceutical Finance Company LLC		
6.150%, 02/01/2036	\$ 49,000	\$ 43,545
UnitedHealth Group, Inc.		
5.800%, 03/15/2036	540,000	577,250
Universal Health Services, Inc.		
1.650%, 09/01/2026	280,000	244,769
2.650%, 10/15/2030	308,000	251,558
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	800,000	759,829
5.250%, 06/15/2046	250,000	197,096
Varex Imaging Corp.		
7.875%, 10/15/2027 (E)	149,000	147,809
Viatrix, Inc.		
2.300%, 06/22/2027	120,000	104,839
2.700%, 06/22/2030	270,000	218,492
4.000%, 06/22/2050	308,000	203,692
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	472,296
		12,873,511
Industrials – 5.1%		
3M Company		
3.050%, 04/15/2030 (F)	500,000	450,505
AerCap Ireland Capital DAC		
1.750%, 01/30/2026	350,000	314,163
2.450%, 10/29/2026	1,130,000	1,009,260
3.000%, 10/29/2028	559,000	483,341
Air Canada 2013-1 Class A Pass Through Trust		
4.125%, 05/15/2025 (E)	153,133	143,945
Air Canada 2017-1 Class B Pass Through Trust		
3.700%, 01/15/2026 (E)	145,476	134,565
Air Canada 2020-1 Class C Pass Through Trust		
10.500%, 07/15/2026 (E)	164,000	175,890
Air Lease Corp.		
2.100%, 09/01/2028	208,000	172,773
2.875%, 01/15/2026	150,000	138,756
3.000%, 09/15/2023	400,000	397,580
3.125%, 12/01/2030	400,000	333,211
3.625%, 12/01/2027	225,000	205,267
Alaska Airlines 2020-1 Class B Pass Through Trust		
8.000%, 08/15/2025 (E)	136,742	137,088
American Airlines 2015-1 Class A Pass Through Trust		
3.375%, 05/01/2027	724,798	634,198
American Airlines 2016-1 Class A Pass Through Trust		
4.100%, 01/15/2028	290,746	257,891
American Airlines 2016-1 Class AA Pass Through Trust		
3.575%, 01/15/2028	84,948	78,405
American Airlines 2016-3 Class A Pass Through Trust		
3.250%, 10/15/2028	40,412	34,191
American Airlines 2017-1 Class A Pass Through Trust		
4.000%, 02/15/2029	139,160	120,256
American Airlines 2017-1 Class AA Pass Through Trust		
3.650%, 02/15/2029	177,500	162,764

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
American Airlines 2017-2 Class A Pass Through Trust 3.600%, 10/15/2029	\$ 145,877	\$ 122,811
American Airlines 2019-1 Class A Pass Through Trust 3.500%, 02/15/2032	294,724	235,780
American Airlines 2019-1 Class AA Pass Through Trust 3.150%, 02/15/2032	301,423	261,267
American Airlines 2019-1 Class B Pass Through Trust 3.850%, 02/15/2028	108,616	92,398
American Airlines 2021-1 Class A Pass Through Trust 2.875%, 07/11/2034	194,638	161,598
American Airlines 2021-1 Class B Pass Through Trust 3.950%, 07/11/2030	318,015	276,719
American Airlines Group, Inc. 3.750%, 03/01/2025 (E)(F)	500,000	474,382
APX Group, Inc. 5.750%, 07/15/2029 (E)	216,000	187,467
Ashtead Capital, Inc. 2.450%, 08/12/2031 (E)	200,000	156,941
Beacon Roofing Supply, Inc. 4.125%, 05/15/2029 (E)	188,000	166,380
BlueLinx Holdings, Inc. 6.000%, 11/15/2029 (E)	275,000	240,625
British Airways 2013-1 Class A Pass Through Trust 4.625%, 06/20/2024 (E)	105,788	104,323
British Airways 2018-1 Class A Pass Through Trust 4.125%, 09/20/2031 (E)	58,209	51,515
British Airways 2020-1 Class A Pass Through Trust 4.250%, 11/15/2032 (E)	118,784	108,331
British Airways 2020-1 Class B Pass Through Trust 8.375%, 11/15/2028 (E)	81,791	81,178
Builders FirstSource, Inc. 4.250%, 02/01/2032 (E)	286,000	248,863
	46,000	43,011
	165,000	163,928
Canadian Pacific Railway Company 2.875%, 11/15/2029	500,000	441,415
Carrier Global Corp. 2.700%, 02/15/2031	500,000	420,947
CNH Industrial Capital LLC 1.950%, 07/02/2023	570,000	570,000
CoStar Group, Inc. 2.800%, 07/15/2030 (E)	386,000	318,374
CSX Corp. 3.800%, 04/15/2050	1,000,000	797,508
DAE Funding LLC 2.625%, 03/20/2025 (E)	330,000	309,771
Delta Air Lines, Inc. 4.375%, 04/19/2028	298,000	280,102
	399,051	387,354
Emerald Debt Merger Sub LLC 6.625%, 12/15/2030 (E)	271,000	268,629
Equifax, Inc. 3.100%, 05/15/2030	800,000	689,886
Flowserve Corp. 3.500%, 10/01/2030	176,000	150,179

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Fortive Corp. 3.150%, 06/15/2026	\$ 700,000	\$ 660,073
GATX Corp. 3.850%, 03/30/2027	800,000	751,081
Global Infrastructure Solutions, Inc. 5.625%, 06/01/2029 (E)	247,000	201,253
Huntington Ingalls Industries, Inc. 3.844%, 05/01/2025	450,000	432,688
	1,232,000	1,141,530
IDEX Corp. 3.000%, 05/01/2030	1,000,000	876,588
JB Hunt Transport Services, Inc. 3.850%, 03/15/2024	700,000	686,610
JetBlue 2019-1 Class AA Pass Through Trust 2.750%, 05/15/2032	261,704	222,413
Lennox International, Inc. 3.000%, 11/15/2023	800,000	790,408
Masco Corp. 2.000%, 10/01/2030	412,000	325,260
MasTec, Inc. 4.500%, 08/15/2028 (E)	146,000	134,703
Owens Corning 3.875%, 06/01/2030	45,000	41,112
	339,000	315,072
Penske Truck Leasing Company LP 5.875%, 11/15/2027 (E)	400,000	396,555
Prime Security Services Borrower LLC 3.375%, 08/31/2027 (E)	62,000	54,683
	173,000	162,067
Regal Rexnord Corp. 6.050%, 02/15/2026 (E)	218,000	218,277
	187,000	186,842
Southwest Airlines Company 5.250%, 05/04/2025	800,000	791,462
The Boeing Company 3.200%, 03/01/2029	199,000	177,926
	583,000	575,868
	720,000	713,052
	400,000	398,540
TransDigm, Inc. 5.500%, 11/15/2027	190,000	179,208
TriNet Group, Inc. 3.500%, 03/01/2029 (E)	104,000	90,427
TTX Company 4.200%, 07/01/2046 (E)	700,000	591,275
Uber Technologies, Inc. 4.500%, 08/15/2029 (E)	385,000	354,353
	273,000	279,239
United Airlines 2014-2 Class A Pass Through Trust 3.750%, 09/03/2026	406,994	380,853
United Airlines 2016-1 Class A Pass Through Trust 3.450%, 07/07/2028	353,475	300,721
United Airlines 2016-1 Class B Pass Through Trust 3.650%, 01/07/2026	268,155	245,945
United Airlines 2018-1 Class B Pass Through Trust 4.600%, 03/01/2026	131,059	123,276
United Airlines 2019-1 Class A Pass Through Trust 4.550%, 08/25/2031	265,868	233,964

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
United Airlines 2020-1 Class A Pass Through Trust 5.875%, 10/15/2027	\$ 540,450	\$ 530,992
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	189,060	180,080
United Airlines, Inc. 4.375%, 04/15/2026 (E)	31,000	29,453
4.625%, 04/15/2029 (E)	70,000	63,782
United Rentals North America, Inc. 3.875%, 11/15/2027	177,000	165,283
US Airways 2011-1 Class A Pass Through Trust 7.125%, 10/22/2023	146,604	146,423
US Airways 2012-2 Class A Pass Through Trust 4.625%, 06/03/2025	145,599	136,163
Verisk Analytics, Inc. 4.125%, 03/15/2029	400,000	381,828
Wabtec Corp. 3.200%, 06/15/2025	500,000	474,571
		28,337,630
Information technology – 2.8%		
Autodesk, Inc. 2.850%, 01/15/2030	99,000	86,795
Broadcom, Inc. 2.450%, 02/15/2031 (E)	1,000,000	813,301
3.137%, 11/15/2035 (E)	779,000	597,528
3.419%, 04/15/2033 (E)	499,000	417,293
3.469%, 04/15/2034 (E)	421,000	345,350
4.750%, 04/15/2029	1,099,000	1,063,170
4.926%, 05/15/2037 (E)	211,000	190,956
CDW LLC 3.250%, 02/15/2029	149,000	127,668
Consensus Cloud Solutions, Inc. 6.500%, 10/15/2028 (E)	144,000	123,120
Dell International LLC 4.900%, 10/01/2026	574,000	569,921
5.300%, 10/01/2029	978,000	970,870
Fortinet, Inc. 2.200%, 03/15/2031	1,000,000	812,253
Foundry JV Holdco LLC 5.875%, 01/25/2034 (E)	288,000	286,861
Gartner, Inc. 4.500%, 07/01/2028 (E)	319,000	298,013
Jabil, Inc. 3.600%, 01/15/2030	180,000	161,015
Marvell Technology, Inc. 2.450%, 04/15/2028	434,000	378,918
Micron Technology, Inc. 4.185%, 02/15/2027	875,000	838,341
4.663%, 02/15/2030	1,000,000	942,951
5.327%, 02/06/2029	1,621,000	1,595,953
6.750%, 11/01/2029	1,000,000	1,039,491
Motorola Solutions, Inc. 2.300%, 11/15/2030	431,000	348,146
2.750%, 05/24/2031	395,000	323,608
4.600%, 05/23/2029	150,000	145,226
NXP BV 3.875%, 06/18/2026	450,000	432,248
Oracle Corp. 2.950%, 04/01/2030	490,000	427,704
5.550%, 02/06/2053	1,000,000	968,343
Qorvo, Inc. 3.375%, 04/01/2031 (E)	247,000	199,128

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Qualcomm, Inc. 1.650%, 05/20/2032	\$ 566,000	\$ 446,660
Sabre GBLB, Inc. 7.375%, 09/01/2025 (E)	209,000	185,510
VeriSign, Inc. 2.700%, 06/15/2031	190,000	158,144
		15,294,485
Materials – 1.3%		
Amcor Flexibles North America, Inc. 3.100%, 09/15/2026	500,000	459,034
Anglo American Capital PLC 4.750%, 04/10/2027 (E)	203,000	196,187
Braskem Idesa SAPI 6.990%, 02/20/2032 (E)	201,000	130,205
Braskem Netherlands Finance BV 5.875%, 01/31/2050 (E)	240,000	193,935
Cemex SAB de CV 3.875%, 07/11/2031 (E)	297,000	250,046
5.200%, 09/17/2030 (E)	224,000	209,593
CF Industries, Inc. 4.950%, 06/01/2043	175,000	151,490
First Quantum Minerals, Ltd. 6.875%, 10/15/2027 (E)	343,000	334,597
Freeport-McMoRan, Inc. 4.250%, 03/01/2030	354,000	326,224
4.625%, 08/01/2030	262,000	246,870
5.450%, 03/15/2043	889,000	828,943
Glencore Funding LLC 2.625%, 09/23/2031 (E)	500,000	402,521
Graphic Packaging International LLC 3.500%, 03/01/2029 (E)	198,000	173,138
Hudbay Minerals, Inc. 4.500%, 04/01/2026 (E)	66,000	61,455
Huntsman International LLC 4.500%, 05/01/2029	500,000	457,277
Mauser Packaging Solutions Holding Company 7.875%, 08/15/2026 (E)	140,000	139,091
Methanex Corp. 5.650%, 12/01/2044 (F)	450,000	367,261
Newmont Corp. 2.800%, 10/01/2029	142,000	122,071
Novelis Corp. 4.750%, 01/30/2030 (E)	410,000	364,370
Owens-Brockway Glass Container, Inc. 6.625%, 05/13/2027 (E)	130,000	128,723
7.250%, 05/15/2031 (E)	92,000	93,150
Pactiv Evergreen Group Issuer LLC 4.375%, 10/15/2028 (E)	174,000	150,660
Pactiv Evergreen Group Issuer, Inc. 4.000%, 10/15/2027 (E)	312,000	275,847
Sasol Financing USA LLC 5.500%, 03/18/2031	192,000	150,994
Standard Industries, Inc. 3.375%, 01/15/2031 (E)	142,000	114,316
4.375%, 07/15/2030 (E)	149,000	129,048
5.000%, 02/15/2027 (E)	73,000	69,573
The Mosaic Company 4.250%, 11/15/2023	600,000	596,362
Volcan Cia Minera SAA 4.375%, 02/11/2026 (E)	54,000	40,160
		7,163,141
Real estate – 2.8%		
American Homes 4 Rent LP 4.250%, 02/15/2028	203,000	191,075

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
American Tower Corp. 1.600%, 04/15/2026	\$ 216,000	\$ 193,708
3.550%, 07/15/2027	259,000	239,950
3.800%, 08/15/2029	471,000	429,686
5.000%, 02/15/2024	670,000	666,078
American Tower Trust I 3.652%, 03/23/2028 (E)	315,000	292,581
5.490%, 03/15/2028 (E)	359,000	359,291
Brixmor Operating Partnership LP 4.050%, 07/01/2030	500,000	450,683
Crown Castle, Inc. 3.300%, 07/01/2030	410,000	362,143
3.700%, 06/15/2026	500,000	474,945
3.800%, 02/15/2028	175,000	163,109
4.150%, 07/01/2050	400,000	317,349
CubeSmart LP 4.375%, 02/15/2029	600,000	562,378
EPR Properties 4.950%, 04/15/2028	350,000	312,673
Equinix, Inc. 2.900%, 11/18/2026	1,000,000	916,893
ERP Operating LP 3.375%, 06/01/2025	300,000	287,855
Extra Space Storage LP 2.350%, 03/15/2032	500,000	390,728
5.700%, 04/01/2028	95,000	94,906
GLP Capital LP 3.250%, 01/15/2032	521,000	420,662
4.000%, 01/15/2030	147,000	127,399
5.375%, 04/15/2026	279,000	273,117
Healthcare Realty Holdings LP 3.500%, 08/01/2026	500,000	460,010
3.750%, 07/01/2027	600,000	553,892
Host Hotels & Resorts LP 2.900%, 12/15/2031	500,000	393,080
3.375%, 12/15/2029	377,000	321,950
3.500%, 09/15/2030	220,000	186,364
Iron Mountain Information Management Services, Inc. 5.000%, 07/15/2032 (E)	66,000	56,973
Iron Mountain, Inc. 4.875%, 09/15/2029 (E)	136,000	121,739
5.250%, 07/15/2030 (E)	159,000	143,268
Mid-America Apartments LP 3.950%, 03/15/2029	700,000	658,928
Piedmont Operating Partnership LP 4.450%, 03/15/2024	500,000	488,642
RHP Hotel Properties LP 4.500%, 02/15/2029 (E)	215,000	190,275
SBA Tower Trust 1.884%, 01/15/2026 (E)	500,000	449,128
2.836%, 01/15/2025 (E)	266,000	252,571
6.599%, 01/15/2028 (E)	515,000	523,315
Sun Communities Operating LP 5.700%, 01/15/2033	1,000,000	974,001
Ventas Realty LP 4.750%, 11/15/2030 (F)	1,000,000	946,522
VICI Properties LP 3.875%, 02/15/2029 (E)	207,000	181,655
4.125%, 08/15/2030 (E)	160,000	140,869
4.625%, 12/01/2029 (E)	336,000	305,044
5.125%, 05/15/2032	77,000	72,045
Welltower OP LLC 2.700%, 02/15/2027	400,000	361,940

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
XHR LP 4.875%, 06/01/2029 (E)	\$ 107,000	\$ 91,753
		15,401,173
Utilities – 2.0%		
AES Panama Generation Holdings SRL 4.375%, 05/31/2030 (E)	201,183	171,760
Ameren Corp. 3.500%, 01/15/2031	1,000,000	892,376
AmeriGas Partners LP 5.500%, 05/20/2025	227,000	219,102
Arizona Public Service Company 5.500%, 09/01/2035	1,118,000	1,087,876
Atlantica Transmision Sur SA 6.875%, 04/30/2043 (E)	205,150	193,867
CenterPoint Energy Houston Electric LLC 6.950%, 03/15/2033	535,000	607,424
Consolidated Edison Company of New York, Inc. 3.350%, 04/01/2030	500,000	454,225
3.950%, 04/01/2050	500,000	408,584
Dominion Energy, Inc. 3.375%, 04/01/2030	604,000	540,249
3.600%, 03/15/2027	500,000	471,246
DPL, Inc. 4.125%, 07/01/2025	203,000	193,358
Duke Energy Corp. 2.450%, 06/01/2030	105,000	88,173
Edison International 3.550%, 11/15/2024	700,000	676,492
Electricite de France SA 9.125%, (9.125% to 3-15-33, then 5 Year CMT + 5.411%), 03/15/2033 (E)(G)	221,000	226,631
Emera US Finance LP 3.550%, 06/15/2026	293,000	277,049
FirstEnergy Corp. 2.650%, 03/01/2030	194,000	163,614
3.400%, 03/01/2050	82,000	56,511
Georgia Power Company 4.950%, 05/17/2033	175,000	172,742
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	140,000	116,441
NextEra Energy Operating Partners LP 3.875%, 10/15/2026 (E)	243,000	225,826
4.500%, 09/15/2027 (E)	201,000	186,729
NiSource, Inc. 1.700%, 02/15/2031	105,000	82,096
3.600%, 05/01/2030	230,000	207,133
5.250%, 03/30/2028	66,000	65,948
NRG Energy, Inc. 2.450%, 12/02/2027 (E)	284,000	239,329
3.375%, 02/15/2029 (E)	62,000	50,708
3.625%, 02/15/2031 (E)	175,000	136,613
3.875%, 02/15/2032 (E)	371,000	285,850
4.450%, 06/15/2029 (E)	212,000	187,376
7.000%, 03/15/2033 (E)	288,000	290,386
10.250%, (10.250% to 3-15-28, then 5 Year CMT + 5.920%), 03/15/2028 (E)(G)	226,000	213,111
Sempra Energy 5.500%, 08/01/2033	269,000	267,206
Southern California Edison Company 3.700%, 08/01/2025	1,000,000	962,609

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Vistra Operations Company LLC 3.700%, 01/30/2027 (E)	\$ 564,000	\$ 516,493
4.300%, 07/15/2029 (E)	485,000	429,795
		11,364,928
TOTAL CORPORATE BONDS (Cost \$238,703,796)		\$ 219,794,736
CAPITAL PREFERRED SECURITIES – 0.2%		
Financials – 0.2%		
Truist Financial Corp. 6.197%, (Greater of 3 month LIBOR + 0.645% or 4.000%), 12/15/2024 (B)(G)	425,000	293,480
USB Capital IX 6.280%, (Greater of 3 month LIBOR + 1.020% or 3.500%), 07/31/2023 (B)(G)	1,045,000	798,804
		1,092,284
TOTAL CAPITAL PREFERRED SECURITIES (Cost \$1,390,049)		\$ 1,092,284
MUNICIPAL BONDS – 0.6%		
Foothill-Eastern Transportation Corridor Agency (California) 4.094%, 01/15/2049	1,000,000	826,113
Golden State Tobacco Securitization Corp. (California) 4.214%, 06/01/2050	231,000	172,610
New Jersey Transportation Trust Fund Authority 4.081%, 06/15/2039	3,000	2,644
Sales Tax Securitization Corp. (Illinois) 4.637%, 01/01/2040	445,000	424,556
State Board of Administration Finance Corp. (Florida) 1.705%, 07/01/2027	174,000	154,024
State of Connecticut, GO 2.677%, 07/01/2030	250,000	221,313
The School District of Philadelphia (Pennsylvania), GO 5.995%, 09/01/2030	315,000	328,921
6.765%, 06/01/2040	1,010,000	1,106,315
TOTAL MUNICIPAL BONDS (Cost \$3,750,980)		\$ 3,236,496
COLLATERALIZED MORTGAGE OBLIGATIONS – 7.6%		
Commercial and residential – 5.1%		
Angel Oak Mortgage Trust LLC Series 2021-2, Class A1, 0.985%, 04/25/2066 (A)(E)	113,410	92,335
Series 2021-4, Class A1, 1.035%, 01/20/2065 (A)(E)	249,387	197,712
Arbor Multifamily Mortgage Securities Trust Series 2020-MF1, Class XA IO 1.077%, 05/15/2053 (E)	4,310,197	204,936
Arroyo Mortgage Trust Series 2021-1R, Class A1 1.175%, 10/25/2048 (A)(E)	190,902	152,284
BAMLL Commercial Mortgage Securities Trust Series 2019-BPR, Class ENM 3.843%, 11/05/2032 (A)(E)	116,000	62,396
BANK Series 2019-BN20, Class ASB, 2.933%, 09/15/2062	400,000	364,870

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
BANK (continued) Series 2021-BN34, Class XA IO, 1.085%, 06/15/2063	\$ 12,749,878	\$ 677,560
BBCMS Mortgage Trust Series 2020-C6, Class A2 2.690%, 02/15/2053	101,000	93,328
BBCMS Trust Series 2015-SRCH, Class D 5.122%, 08/10/2035 (A)(E)	194,000	158,291
Benchmark Mortgage Trust Series 2019-B12, Class A2, 3.001%, 08/15/2052	239,287	229,765
Series 2019-B15, Class XA IO, 0.932%, 12/15/2072	9,832,181	360,067
BMO Mortgage Trust Series 2022-C2, Class A5 4.974%, 07/15/2054 (A)	500,000	486,546
BOCA Commercial Mortgage Trust Series 2022-BOCA, Class B (1 month CME Term SOFR + 2.319%) 7.466%, 05/15/2039 (B)(E)	100,000	98,723
BRAVO Residential Funding Trust Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (A)(E)	127,132	110,418
BWAY Mortgage Trust Series 2015-1740, Class XA IO 0.205%, 01/10/2035 (E)	3,705,000	446
BX Commercial Mortgage Trust Series 2021-VOLT, Class C (1 month LIBOR + 1.100%) 6.293%, 09/15/2036 (B)(E)	278,000	264,048
BX Trust Series 2019-OC11, Class A, 3.202%, 12/09/2041 (E)	383,000	327,297
Series 2019-OC11, Class D, 4.075%, 12/09/2041 (A)(E)	300,000	249,214
Series 2022-CLS, Class A, 5.760%, 10/13/2027 (E)	267,000	257,061
CAMB Commercial Mortgage Trust Series 2019-LIFE, Class D (1 month LIBOR + 1.750%), 6.943%, 12/15/2037 (B)(E)	121,000	118,868
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%), 7.743%, 12/15/2037 (B)(E)	192,000	184,957
CD Mortgage Trust Series 2017-CD3, Class A4 3.631%, 02/10/2050	800,000	727,883
CFCRE Commercial Mortgage Trust Series 2017-C8, Class C 5.059%, 06/15/2050 (A)	500,000	416,682
CHL Mortgage Pass-Through Trust Series 2004-HYB2, Class 4A 4.708%, 07/20/2034 (A)	443,249	416,025
Citigroup Commercial Mortgage Trust Series 2018-C5, Class A3, 3.963%, 06/10/2051	408,649	376,882
Series 2018-C5, Class XA IO, 0.828%, 06/10/2051	13,796,050	385,435
Series 2019-C7, Class XA IO, 0.990%, 12/15/2072	15,732,804	651,521
Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (E)	162,000	160,904

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Citigroup Commercial Mortgage Trust (continued)		
Series 2023-SMRT, Class A, 6.015%, 06/10/2028 (A)(E)	\$ 197,000	\$ 196,624
Cold Storage Trust		
Series 2020-ICE5, Class D (1 month LIBOR + 2.100%) 7.293%, 11/15/2037 (B)(E)	491,495	481,768
COLT Mortgage Loan Trust		
Series 2021-2, Class A1 0.924%, 08/25/2066 (A)(E)	220,403	168,577
COLT Trust		
Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (A)(E)	380,134	311,122
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2012-CR3, Class XA IO, 1.380%, 10/15/2045	776,480	24
Series 2014-CR15, Class C, 4.813%, 02/10/2047 (A)	800,000	696,455
Series 2014-CR15, Class XA IO, 0.752%, 02/10/2047	4,505,658	7,254
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	942,556
Commercial Mortgage Trust (Citigroup/Deutsche Bank AG)		
Series 2018-COR3, Class XA IO 0.573%, 05/10/2051	4,982,223	86,745
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2013-300P, Class D, 4.540%, 08/10/2030 (A)(E)	307,000	237,925
Series 2013-300P, Class E, 4.540%, 08/10/2030 (A)(E)	200,000	136,700
Series 2017-PANW, Class A, 3.244%, 10/10/2029 (E)	89,000	83,331
Series 2020-CBM, Class A2, 2.896%, 02/10/2037 (E)	169,000	158,043
Series 2020-CX, Class A, 2.173%, 11/10/2046 (E)	500,000	390,525
Commercial Mortgage Trust (Deutsche Bank AG/UBS AG)		
Series 2014-UBS2, Class XA IO 1.217%, 03/10/2047	2,992,344	7,399
Credit Suisse Mortgage Capital Certificates		
Series 2019-ICE4, Class D (1 month LIBOR + 1.600%), 6.793%, 05/15/2036 (B)(E)	304,243	300,575
Series 2020-NET, Class A, 2.257%, 08/15/2037 (E)	103,596	92,675
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (A)(E)	192,402	159,579
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (A)(E)	169,509	138,329
Series 2021-NQM5, Class A1, 0.938%, 05/25/2066 (A)(E)	128,338	99,148
CSAIL Commercial Mortgage Trust		
Series 2019-C17, Class A4, 2.763%, 09/15/2052	425,000	358,331
Series 2019-C18, Class E, 2.500%, 12/15/2052 (E)	265,000	145,264

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
DSL A Mortgage Loan Trust		
Series 2004-AR3, Class 2A2B (1 month LIBOR + 0.900%) 6.057%, 07/19/2044 (B)	\$ 272,514	\$ 241,685
Ellington Financial Mortgage Trust		
Series 2021-1, Class A1, 0.797%, 02/25/2066 (A)(E)	80,387	66,577
Series 2021-2, Class A1, 0.931%, 06/25/2066 (A)(E)	202,983	160,533
Flagstar Mortgage Trust		
Series 2021-1, Class A2 2.500%, 02/01/2051 (A)(E)	335,387	270,052
FREM F Mortgage Trust		
Series 2016-K54, Class C, 4.191%, 04/25/2048 (A)(E)	290,000	275,054
Series 2016-K56, Class B, 4.084%, 06/25/2049 (A)(E)	1,085,000	1,031,102
Series 2017-K67, Class B, 4.081%, 09/25/2049 (A)(E)	485,000	451,412
Series 2018-K730, Class B, 3.922%, 02/25/2050 (A)(E)	300,000	287,861
Series 2019-KF69, Class B (1 month LIBOR + 2.300%), 7.493%, 08/25/2029 (B)(E)	87,868	79,813
GCAT Trust		
Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (A)(E)	143,983	119,726
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (A)(E)	146,055	117,291
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (A)(E)	231,952	186,643
GS Mortgage Securities Trust		
Series 2013-GC10, Class C, 4.285%, 02/10/2046 (A)(E)	585,029	560,499
Series 2017-485L, Class C, 4.115%, 02/10/2037 (A)(E)	85,000	70,365
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (E)	136,000	125,165
GS Mortgage-Backed Securities Trust		
Series 2021-NQM1, Class A1 1.017%, 07/25/2061 (A)(E)	104,847	89,042
HarborView Mortgage Loan Trust		
Series 2007-3, Class ES IO, 0.350%, 05/19/2047 (E)	7,274,923	75,884
Series 2007-4, Class ES IO, 0.350%, 07/19/2047	7,497,839	98,648
Series 2007-6, Class ES IO, 0.343%, 08/19/2037 (E)	7,696,950	93,259
Hawaii Hotel Trust		
Series 2019-MAUI, Class E (1 month LIBOR + 2.160%) 7.353%, 05/15/2038 (B)(E)	300,000	293,214
Hilton Orlando Trust		
Series 2018-ORL, Class B (1 month LIBOR + 1.300%) 6.493%, 12/15/2034 (B)(E)	1,000,000	983,919
Imperial Fund Mortgage Trust		
Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (A)(E)	136,760	113,634
IMT Trust		
Series 2017-APTS, Class AFX, 3.478%, 06/15/2034 (E)	107,000	103,350

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
IMT Trust (continued)		
Series 2017-APTS, Class CFX, 3.613%, 06/15/2034 (A)(E)	\$ 123,000	\$ 117,550
Irvine Core Office Trust Series 2013-IRV, Class XA IO 1.105%, 05/15/2048 (E)	21,993	0
JPMBB Commercial Mortgage Securities Trust Series 2013-C14, Class XA IO 0.091%, 08/15/2046	171,868	2
JPMorgan Chase Commercial Mortgage Securities Trust Series 2020-ACE, Class A, 3.287%, 01/10/2037 (E)	1,000,000	941,070
Series 2020-NNN, Class AFX, 2.812%, 01/16/2037 (E)	258,000	233,536
KNDL Mortgage Trust Series 2019-KNSQ, Class D (1 month LIBOR + 1.500%) 6.693%, 05/15/2036 (B)(E)	187,000	184,626
Life Mortgage Trust Series 2021-BMR, Class D (1 month CME Term SOFR + 1.514%), 6.661%, 03/15/2038 (B)(E)	275,232	264,518
Series 2021-BMR, Class E (1 month CME Term SOFR + 1.864%), 7.011%, 03/15/2038 (B)(E)	982,970	939,155
Series 2022-BMR2, Class A1 (1 month CME Term SOFR + 1.295%), 6.442%, 05/15/2039 (B)(E)	366,000	358,110
MASTR Adjustable Rate Mortgages Trust Series 2004-13, Class 2A1, 4.578%, 04/21/2034 (A)	53,370	50,683
Series 2004-8, Class 5A1, 4.329%, 08/25/2034 (A)	75,345	71,732
MASTR Alternative Loan Trust Series 2004-4, Class 8A1 6.500%, 05/25/2034	150,188	146,011
Merrill Lynch Mortgage Trust Series 2008-C1, Class X IO 0.000%, 02/12/2051 (E)	2,470,217	25
MFA Trust Series 2021-NQM1, Class A1 1.153%, 04/25/2065 (A)(E)	114,596	99,443
Morgan Stanley Bank of America Merrill Lynch Trust Series 2014-C17, Class XA IO 1.182%, 08/15/2047	8,454,103	41,066
Morgan Stanley Capital I Trust Series 2019-L3, Class XA IO 0.756%, 11/15/2052	21,304,768	649,712
Natixis Commercial Mortgage Securities Trust Series 2018-285M, Class D, 3.917%, 11/15/2032 (A)(E)	135,000	93,985
Series 2018-ALXA, Class C, 4.460%, 01/15/2043 (A)(E)	98,000	81,157
NYMT Loan Trust Series 2022-CP1, Class A1 2.042%, 07/25/2061 (E)	147,295	131,303

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
OBX Trust		
Series 2020-EXP2, Class A3, 2.500%, 05/25/2060 (A)(E)	\$ 108,731	\$ 89,275
Series 2021-NQM2, Class A1, 1.101%, 05/25/2061 (A)(E)	226,192	175,273
One Market Plaza Trust Series 2017-1MKT, Class D 4.146%, 02/10/2032 (E)	90,000	74,121
Provident Funding Mortgage Trust Series 2020-F1, Class A2 2.000%, 01/25/2036 (A)(E)	290,493	252,211
Sequoia Mortgage Trust Series 2005-3, Class A1 (1 month LIBOR + 0.400%) 5.557%, 05/20/2035 (B)	24,762	21,305
SLG Office Trust Series 2021-OVA, Class D 2.851%, 07/15/2041 (E)	352,000	260,895
Structured Asset Securities Corp. Series 1998-RF2, Class A 4.739%, 07/15/2027 (A)(E)	32,115	32,036
Towd Point Mortgage Trust Series 2015-1, Class A5, 4.095%, 10/25/2053 (A)(E)	123,000	119,617
Series 2015-2, Class 1M2, 3.575%, 11/25/2060 (A)(E)	102,793	100,568
Series 2015-6, Class M2, 3.750%, 04/25/2055 (A)(E)	1,000,000	939,612
Series 2017-2, Class A1, 2.750%, 04/25/2057 (A)(E)	3,588	3,547
Series 2018-1, Class A1, 3.000%, 01/25/2058 (A)(E)	38,892	37,228
Series 2018-4, Class A1, 3.000%, 06/25/2058 (A)(E)	206,083	187,323
Series 2018-5, Class A1A, 3.250%, 07/25/2058 (A)(E)	21,819	20,822
Series 2018-6, Class A1A, 3.750%, 03/25/2058 (A)(E)	136,081	131,381
Series 2019-1, Class A1, 3.750%, 03/25/2058 (A)(E)	165,538	154,897
Series 2019-4, Class A1, 2.900%, 10/25/2059 (A)(E)	150,481	138,233
Series 2020-4, Class A1, 1.750%, 10/25/2060 (E)	227,119	197,316
UBS Commercial Mortgage Trust Series 2019-C17, Class XA IO 1.605%, 10/15/2052	5,783,194	380,830
UBS-Barclays Commercial Mortgage Trust Series 2012-C2, Class XA IO 0.663%, 05/10/2063 (E)	885,650	12
Velocity Commercial Capital Loan Trust Series 2018-2, Class M1 4.260%, 10/26/2048 (A)(E)	154,948	136,380
Verus Securitization Trust Series 2020-5, Class A1 (1.218% to 10-1-24, then 2.218% thereafter), 1.218%, 05/25/2065 (E)	72,931	65,572
Series 2021-3, Class A1, 1.046%, 06/25/2066 (A)(E)	242,927	202,601
Series 2021-4, Class A1, 0.938%, 07/25/2066 (A)(E)	144,727	113,078

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Verus Securitization Trust (continued)		
Series 2021-5, Class A1, 1.013%, 09/25/2066 (A)(E)	\$ 213,011	\$ 167,909
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (A)(E)	105,736	93,776
Washington Mutual Mortgage Pass Through Certificates		
Series 2005-1, Class 6A1 6.500%, 03/25/2035	176,509	147,566
Wells Fargo Commercial Mortgage Trust		
Series 2019-C54, Class A3 2.892%, 12/15/2052	500,000	429,520
		<u>27,996,719</u>
U.S. Government Agency – 2.5%		
Federal Home Loan Mortgage Corp.		
Series 2021-HQA2, Class M2 (1 month SOFR + 2.050%), 7.117%, 12/25/2033 (B)(E)	1,000,000	970,000
Series 2021-HQA3, Class M2 (1 month SOFR + 2.100%), 7.167%, 09/25/2041 (B)(E)	1,000,000	950,000
Series 2022-DNA4, Class M1B (1 month SOFR + 3.350%), 8.417%, 05/25/2042 (B)(E)	156,000	157,755
Series 2022-DNA5, Class M1B (1 month SOFR + 4.500%), 9.567%, 06/25/2042 (B)(E)	207,000	217,350
Series 290, Class IO, 3.500%, 11/15/2032	651,571	63,912
Series 3387, Class SB IO, 1.227%, 11/15/2037	651,304	40,597
Series 3632, Class AP, 3.000%, 02/15/2040	350,330	327,976
Series K109, Class X1 IO, 1.697%, 04/25/2030	3,108,270	257,445
Series K121, Class X1 IO, 1.119%, 10/25/2030	12,729,661	720,776
Series T-41, Class 3A, 4.317%, 07/25/2032 (A)	37,650	35,473
Federal National Mortgage Association		
Series 2001-50, Class BA, 7.000%, 10/25/2041	3,988	4,035
Series 2002-W3, Class A5, 7.500%, 11/25/2041	41,437	43,977
Series 2011-41, Class KA, 4.000%, 01/25/2041	28,687	27,646
Series 2012-137, Class WI IO, 3.500%, 12/25/2032	589,643	60,708
Series 2012-21, Class PA, 2.000%, 03/25/2041	534,196	496,286
Series 2012-38, Class PA, 2.000%, 09/25/2041	375,567	339,198
Series 2016-M11, Class X1 IO, 0.521%, 07/25/2026	18,255,462	177,297
Series 2016-M12, Class X2 IO, 0.027%, 09/25/2026	28,102,144	13,599
Series 2019-M25, Class X IO, 0.209%, 11/25/2029	30,953,108	233,427
Series 2020-M1, Class X1 IO, 0.283%, 10/25/2029	24,022,462	196,509
Series 2020-R02, Class 2M2 (1 month LIBOR + 2.000%), 7.150%, 01/25/2040 (B)(E)	124,765	124,886

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2021-31, Class IE IO, 0.687%, 03/25/2050	\$ 2,594,000	\$ 66,354
Series 2021-M8, Class X IO, 0.333%, 11/25/2035	10,256,857	218,691
Series 2021-R01, Class 1M2 (1 month SOFR + 1.550%), 6.617%, 10/25/2041 (B)(E)	1,000,000	980,039
Series 2022-22, Class B, 2.000%, 07/25/2054	1,007,717	625,192
Series 427, Class C20 IO, 2.000%, 02/25/2051	1,934,144	253,362
Government National		
Mortgage Association		
Series 2008-90, Class IO, 2.011%, 12/16/2050	2,025,464	250,402
Series 2010-147, Class SA IO, 1.024%, 05/20/2040	275,853	5,393
Series 2010-85, Class SB IO, 1.442%, 03/16/2040	576,904	26,488
Series 2012-114, Class IO, 0.620%, 01/16/2053	257,168	3,940
Series 2012-120, Class IO, 0.641%, 02/16/2053	3,558,812	56,122
Series 2012-70, Class IO, 0.094%, 08/16/2052	242,348	126
Series 2015-41, Class IO, 0.276%, 09/16/2056	2,081,924	22,918
Series 2015-86, Class IO, 0.416%, 05/16/2052	21,910,427	344,200
Series 2016-162, Class IO, 0.676%, 09/16/2058	6,748,379	205,394
Series 2016-174, Class IO, 0.892%, 11/16/2056	307,968	12,233
Series 2017-109, Class IO, 0.230%, 04/16/2057	616,707	11,010
Series 2017-124, Class IO, 0.619%, 01/16/2059	634,903	18,957
Series 2017-135, Class IO, 0.719%, 10/16/2058	990,872	39,062
Series 2017-140, Class IO, 0.486%, 02/16/2059	387,721	12,429
Series 2017-159, Class IO, 0.433%, 06/16/2059	9,535,356	286,278
Series 2017-169, Class IO, 0.587%, 01/16/2060	1,885,334	61,172
Series 2017-20, Class IO, 0.530%, 12/16/2058	1,400,938	34,262
Series 2017-22, Class IO, 0.757%, 12/16/2057	186,473	6,581
Series 2017-23, Class IO, 0.608%, 05/16/2059	5,893,545	193,787
Series 2017-41, Class IO, 0.593%, 07/16/2058	519,995	14,119
Series 2017-46, Class IO, 0.698%, 11/16/2057	640,015	23,568
Series 2017-50, Class IO, 0.638%, 01/16/2057	8,649,043	290,221
Series 2017-53, Class IO, 0.530%, 11/16/2056	8,883,519	281,056
Series 2017-61, Class IO, 0.745%, 05/16/2059	320,601	11,465

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2018-158, Class IO, 0.774%, 05/16/2061	\$ 1,606,898	\$ 78,051
Series 2018-35, Class IO, 0.530%, 03/16/2060	1,522,041	54,281
Series 2018-43, Class IO, 0.438%, 05/16/2060	1,311,011	41,984
Series 2018-69, Class IO, 0.611%, 04/16/2060	384,114	16,999
Series 2018-81, Class IO, 0.475%, 01/16/2060	279,982	10,678
Series 2018-85, Class IO, 0.549%, 07/16/2060	5,391,567	212,240
Series 2018-9, Class IO, 0.443%, 01/16/2060	1,629,226	48,082
Series 2019-131, Class IO, 0.802%, 07/16/2061	1,249,185	66,599
Series 2020-100, Class IO, 0.783%, 05/16/2062	1,456,092	83,152
Series 2020-108, Class IO, 0.847%, 06/16/2062	3,180,281	183,198
Series 2020-114, Class IO, 0.800%, 09/16/2062	3,480,579	208,146
Series 2020-118, Class IO, 0.881%, 06/16/2062	2,485,678	149,443
Series 2020-119, Class IO, 0.602%, 08/16/2062	1,402,124	68,020
Series 2020-120, Class IO, 0.761%, 05/16/2062	796,783	45,175
Series 2020-137, Class IO, 0.795%, 09/16/2062	3,655,963	201,105
Series 2020-143, Class IB IO, 0.871%, 03/16/2062	4,291,059	248,992
Series 2020-150, Class IO, 0.962%, 12/16/2062	2,230,515	155,093
Series 2020-161, Class IA IO, 0.500%, 08/16/2062	16,881,886	437,999
Series 2020-170, Class IO, 0.833%, 11/16/2062	2,944,809	182,291
Series 2020-28, Class IO, 0.820%, 11/16/2061	5,365,010	300,428
Series 2020-92, Class IO, 0.878%, 02/16/2062	3,352,501	215,310
Series 2021-11, Class IA IO, 0.250%, 12/16/2062	21,981,694	290,572
Series 2021-3, Class IO, 0.867%, 09/16/2062	3,697,915	232,059
Series 2021-40, Class IO, 0.824%, 02/16/2063	916,314	56,911
Series 2022-106, Class IO, 0.692%, 02/16/2064	5,701,566	335,143
Series 2022-150, Class IO, 0.823%, 06/16/2064	307,275	20,169
Series 2022-17, Class IO, 0.802%, 06/16/2064	2,016,341	130,387
Series 2022-181, Class IO, 0.715%, 07/16/2064	945,441	68,345
Series 2022-21, Class IO, 0.783%, 10/16/2063	885,183	55,675

Active Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2023-30, Class IO, 1.147%, 11/16/2064	\$ 1,249,233	\$ 98,432
		14,108,632
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		\$ 42,105,351
ASSET BACKED SECURITIES – 6.3%		
ABPCI Direct Lending Fund I, Ltd.		
Series 2020-1A, Class A 3.199%, 12/20/2030 (E)	125,000	116,423
Aegis Asset Backed Securities Trust		
Series 2004-3, Class M1 (1 month LIBOR + 0.900%) 6.050%, 09/25/2034 (B)	321,653	319,977
Aligned Data Centers Issuer LLC		
Series 2021-1A, Class A2 1.937%, 08/15/2046 (E)	792,000	692,510
AMSR Trust		
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (E)	153,000	138,119
Series 2021-SFR4, Class A 2.117%, 12/17/2038 (E)	105,000	92,833
Applebee's Funding LLC		
Series 2023-1A, Class A2 7.824%, 03/05/2053 (E)	175,000	172,173
Aqua Finance Trust		
Series 2021-A, Class A 1.540%, 07/17/2046 (E)	130,106	114,915
Arby's Funding LLC		
Series 2020-1A, Class A2 3.237%, 07/30/2050 (E)	461,938	406,993
Avis Budget Rental Car Funding AESOP LLC		
Series 2019-3A, Class A 2.360%, 03/20/2026 (E)	420,000	396,558
Series 2020-1A, Class A 2.330%, 08/20/2026 (E)	333,000	309,646
Series 2020-2A, Class C 4.250%, 02/20/2027 (E)	430,000	399,877
Beacon Container Finance II LLC		
Series 2021-1A, Class A 2.250%, 10/22/2046 (E)	416,667	355,386
BRE Grand Islander Timeshare Issuer LLC		
Series 2019-A, Class A 3.280%, 09/26/2033 (E)	104,584	98,243
Carlyle Global Market Strategies		
Series 2018-4A, Class C (3 month LIBOR + 2.900%) 8.150%, 01/20/2031 (B)(E)	530,000	498,147
Cars Net Lease Mortgage Notes		
Series 2020-1A, Class A1 2.010%, 12/15/2050 (E)	488,750	412,486
CARS-DB4 LP		
Series 2020-1A, Class A1 2.690%, 02/15/2050 (E)	890,772	835,907
Series 2020-1A, Class A4 3.190%, 02/15/2050 (E)	989,792	922,414
Series 2020-1A, Class B1 4.170%, 02/15/2050 (E)	766,000	712,543

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Centex Home Equity Loan Trust		
Series 2005-A, Class M4 (1 month LIBOR + 1.200%)		
6.350%, 01/25/2035 (B)	\$ 156,736	\$ 145,896
CF Hippolyta Issuer LLC		
Series 2020-1, Class A1		
1.690%, 07/15/2060 (E)	483,006	433,445
Series 2021-1A, Class A1		
1.530%, 03/15/2061 (E)	456,145	395,186
Chase Auto Credit Linked Notes		
Series 2021-3, Class B		
0.760%, 02/26/2029 (E)	115,538	110,018
Citibank Credit Card Issuance Trust		
Series 2017-A6, Class A6 (1 month LIBOR + 0.770%)		
5.988%, 05/14/2029 (B)	565,000	564,382
CLI Funding VI LLC		
Series 2020-1A, Class A		
2.080%, 09/18/2045 (E)	442,235	382,859
CLI Funding VIII LLC		
Series 2021-1A, Class A		
1.640%, 02/18/2046 (E)	359,221	306,081
Series 2022-1A, Class A		
2.720%, 01/18/2047 (E)	720,947	612,177
ContiMortgage Home Equity Loan Trust		
Series 1995-2, Class A5		
8.100%, 08/15/2025	5,383	5,270
Credit-Based Asset Servicing & Securitization LLC		
Series 2006-MH1, Class B1		
6.750%, 10/25/2036 (E)	1,886,619	1,780,344
CyrusOne Data Centers Issuer I LLC		
Series 2023-1A, Class A2		
4.300%, 04/20/2048 (E)	352,000	313,911
DataBank Issuer		
Series 2021-1A, Class A2		
2.060%, 02/27/2051 (E)	225,000	197,150
DB Master Finance LLC		
Series 2017-1A, Class A2II		
4.030%, 11/20/2047 (E)	188,553	172,320
Series 2021-1A, Class A2I		
2.045%, 11/20/2051 (E)	677,680	589,754
Series 2021-1A, Class A2II		
2.493%, 11/20/2051 (E)	985,000	832,725
Diamond Infrastructure Funding LLC		
Series 2021-1A, Class B		
2.355%, 04/15/2049 (E)	1,000,000	848,822
Series 2021-1A, Class C		
3.475%, 04/15/2049 (E)	370,000	321,766
Domino's Pizza Master Issuer LLC		
Series 2017-1A, Class A23		
4.118%, 07/25/2047 (E)	450,063	414,220
Series 2021-1A, Class A2I		
2.662%, 04/25/2051 (E)	1,312,220	1,112,391
Driven Brands Funding LLC		
Series 2019-2A, Class A2		
3.981%, 10/20/2049 (E)	965,000	875,259
Series 2020-2A, Class A2		
3.237%, 01/20/2051 (E)	290,318	249,378
Series 2021-1A, Class A2		
2.791%, 10/20/2051 (E)	426,505	350,149
FirstKey Homes Trust		
Series 2020-SFR1, Class A		
1.339%, 08/17/2037 (E)	388,711	352,777
Series 2020-SFR2, Class A		
1.266%, 10/19/2037 (E)	337,908	303,349

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
FirstKey Homes Trust (continued)		
Series 2020-SFR2, Class D		
1.968%, 10/19/2037 (E)	\$ 500,000	\$ 447,320
Series 2021-SFR1, Class A		
1.538%, 08/17/2038 (E)	254,585	222,804
Series 2021-SFR1, Class D		
2.189%, 08/17/2038 (E)	346,000	297,113
Series 2022-SFR3, Class A		
4.250%, 07/17/2038 (E)	500,000	476,282
Five Guys Funding LLC		
Series 2017-1A, Class A2		
4.600%, 07/25/2047 (E)	667,830	651,369
Golub Capital Partners Funding, Ltd.		
Series 2020-1A, Class A2		
3.208%, 01/22/2029 (E)	274,000	255,163
Series 2021-1A, Class A2		
2.773%, 04/20/2029 (E)	335,000	308,730
HI-FI Music IP Issuer LP		
Series 2022-1A, Class A2		
3.939%, 02/01/2062 (E)	292,000	266,587
Hilton Grand Vacations Trust		
Series 2018-AA, Class A		
3.540%, 02/25/2032 (E)	60,193	57,931
Home Partners of America Trust		
Series 2021-2, Class A		
1.901%, 12/17/2026 (E)	141,564	123,467
ITE Rail Fund Levered LP		
Series 2021-3A, Class A		
2.210%, 06/28/2051 (E)	732,165	630,818
Jack in the Box Funding LLC		
Series 2019-1A, Class A23		
4.970%, 08/25/2049 (E)	116,323	104,265
Series 2022-1A, Class A2I		
3.445%, 02/26/2052 (E)	378,300	334,885
Laurel Road Prime Student Loan Trust		
Series 2019-A, Class A2FX		
2.730%, 10/25/2048 (E)	20,820	20,108
MetroNet Infrastructure Issuer LLC		
Series 2022-1A, Class B		
7.460%, 10/20/2052 (E)	400,000	380,370
Series 2023-1A, Class A2		
6.560%, 04/20/2053 (E)	205,000	199,229
MVW Owner Trust		
Series 2018-1A, Class A		
3.450%, 01/21/2036 (E)	99,925	97,193
Navient Private Education Loan Trust		
Series 2016-AA, Class A2A		
3.910%, 12/15/2045 (E)	65,019	62,775
Navient Private Education Refi Loan Trust		
Series 2019-FA, Class A2		
2.600%, 08/15/2068 (E)	148,733	136,406
Navient Student Loan Trust		
Series 2020-2A, Class A1A		
1.320%, 08/26/2069 (E)	183,745	154,751
Neighborly Issuer LLC		
Series 2021-1A, Class A2		
3.584%, 04/30/2051 (E)	517,440	431,700
Series 2022-1A, Class A2		
3.695%, 01/30/2052 (E)	251,813	205,360
New Economy Assets Phase 1 Sponsor LLC		
Series 2021-1, Class A1		
1.910%, 10/20/2061 (E)	607,000	516,986
Series 2021-1, Class B1		
2.410%, 10/20/2061 (E)	184,000	153,223

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
NP SPE II LLC		
Series 2019-1A, Class B1 4.313%, 09/20/2049 (E)	\$ 500,000	\$ 452,587
NRZ Excess Spread-Collateralized Notes		
Series 2021-FHT1, Class A 3.104%, 07/25/2026 (E)	75,052	66,812
Oxford Finance Funding LLC		
Series 2019-1A, Class A2 4.459%, 02/15/2027 (E)	51,830	51,566
Progress Residential Trust		
Series 2020-SFR1, Class A 1.732%, 04/17/2037 (E)	208,068	193,109
Series 2021-SFR8, Class B 1.681%, 10/17/2038 (E)	216,000	187,328
Series 2022-SFR3, Class D 4.450%, 04/17/2039 (E)	950,000	872,177
Renaissance Home Equity Loan Trust		
Series 2005-2, Class AF4 5.434%, 08/25/2035	49,338	48,184
Sesac Finance LLC		
Series 2019-1, Class A2 5.216%, 07/25/2049 (E)	392,700	368,587
SMB Private Education Loan Trust		
Series 2019-B, Class A2A 2.840%, 06/15/2037 (E)	202,868	188,834
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (E)	234,964	208,313
Series 2021-A, Class APT2 1.070%, 01/15/2053 (E)	174,392	149,055
Series 2021-E, Class A1A 1.680%, 02/15/2051 (E)	936,737	833,857
Sonic Capital LLC		
Series 2020-1A, Class A2I 3.845%, 01/20/2050 (E)	308,990	279,368
Series 2021-1A, Class A2I 2.190%, 08/20/2051 (E)	324,225	259,694
Store Master Funding I-VII & XIV		
Series 2019-1, Class A2 3.650%, 11/20/2049 (E)	285,275	237,104
Sunbird Engine Finance LLC		
Series 2020-1A, Class A 3.671%, 02/15/2045 (E)	173,333	143,867
Taco Bell Funding LLC		
Series 2021-1A, Class A2I 1.946%, 08/25/2051 (E)	461,965	397,161
TAL Advantage VII LLC		
Series 2020-1A, Class B 3.290%, 09/20/2045 (E)	355,725	312,081
TIF Funding II LLC		
Series 2021-1A, Class A 1.650%, 02/20/2046 (E)	745,775	616,467
Tricon American Homes Trust		
Series 2020-SFR2, Class D 2.281%, 11/17/2039 (E)	500,000	422,679
Trimaran Cavu, Ltd.		
Series 2019-1A, Class D (3 month LIBOR + 4.150%) 9.400%, 07/20/2032 (B)(E)	400,000	383,330
Trinity Rail Leasing LLC		
Series 2021-1A, Class A 2.260%, 07/19/2051 (E)	369,896	312,335
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (E)	508,024	435,167
Series 2021-1A, Class A 1.860%, 03/20/2046 (E)	274,166	229,981

Active Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Vantage Data Centers LLC		
Series 2020-1A, Class A2 1.645%, 09/15/2045 (E)	\$ 343,000	\$ 307,398
Series 2020-2A, Class A2 1.992%, 09/15/2045 (E)	312,000	262,573
Series 2021-1A, Class A2 2.165%, 10/15/2046 (E)	400,000	350,887
VR Funding LLC		
Series 2020-1A, Class A 2.790%, 11/15/2050 (E)	337,415	293,008
Wendy's Funding LLC		
Series 2019-1A, Class A2II 4.080%, 06/15/2049 (E)	441,640	394,822
Series 2021-1A, Class A2I 2.370%, 06/15/2051 (E)	280,280	231,774
Willis Engine Structured Trust V		
Series 2020-A, Class A 3.228%, 03/15/2045 (E)	133,146	111,177
Zaxby's Funding LLC		
Series 2021-1A, Class A2 3.238%, 07/30/2051 (E)	276,083	229,905
TOTAL ASSET BACKED SECURITIES (Cost \$38,294,092)		\$ 35,030,801
COMMON STOCKS – 0.0%		
Energy – 0.0%		
Altera Infrastructure LP (D)	937	25,291
Utilities – 0.0%		
Algonquin Power & Utilities Corp.	7,150	210,891
TOTAL COMMON STOCKS (Cost \$594,864)		\$ 236,182
PREFERRED SECURITIES – 0.1%		
Communication services – 0.0%		
Telephone & Data Systems, Inc., 6.625%	5,925	89,468
Financials – 0.0%		
Wells Fargo & Company, 7.500%	30	34,560
Utilities – 0.1%		
NiSource, Inc., 7.750%	1,800	183,150
TOTAL PREFERRED SECURITIES (Cost \$367,013)		\$ 307,178
ESCROW CERTIFICATES – 0.0%		
LSC Communications, Inc. (D)(E)(H)	\$ 420,000	819
TOTAL ESCROW CERTIFICATES (Cost \$0)		\$ 819
SHORT-TERM INVESTMENTS – 3.1%		
Short-term funds – 3.1%		
John Hancock Collateral Trust, 5.1773% (I)(J)	1,708,869	17,079,806
TOTAL SHORT-TERM INVESTMENTS (Cost \$17,081,055)		\$ 17,079,806
Total Investments (Active Bond Trust) (Cost \$610,058,817) – 100.1%		
		\$ 555,554,157
Other assets and liabilities, net – (0.1%)		
		(381,003)
		\$ 555,173,154
Currency Abbreviations		
ARS	Argentine Peso	
EUR	Euro	
GBP	Pound Sterling	
MXN	Mexican Peso	
Security Abbreviations and Legend		
CME	Chicago Mercantile Exchange	
CMT	Constant Maturity Treasury	
GO	General Obligation	

John Hancock Variable Insurance Trust

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

Active Bond Trust (continued)

IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(C)	Security purchased or sold on a when-issued or delayed delivery basis.
(D)	Non-income producing security.
(E)	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. Rule 144A securities amounted to \$103,205,084 or 18.6% of the fund's net assets as of 6-30-23.

Active Bond Trust (continued)

(F)	All or a portion of this security is on loan as of 6-30-23.
(G)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(H)	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.
(I)	The rate shown is the annualized seven-day yield as of 6-30-23.
(J)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$617,301.
*	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)
10-Year U.S. Treasury Note Futures	38	Long	Sep 2023	\$4,308,000	\$4,266,094	\$(41,906)
						\$(41,906)

[^] 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.

Core Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 56.4%		
U.S. Government – 25.7%		
U.S. Treasury Bonds		
1.125%, 05/15/2040 to 08/15/2040	\$ 15,945,000	\$ 10,256,788
1.375%, 11/15/2040	24,338,000	16,283,643
1.750%, 08/15/2041	26,163,000	18,380,540
1.875%, 02/15/2041	1,263,000	917,204
2.000%, 11/15/2041 to 08/15/2051	18,404,000	13,199,042
2.250%, 02/15/2052	38,000	27,461
2.875%, 05/15/2052	2,062,000	1,708,802
3.000%, 08/15/2052	8,708,000	7,403,841
3.375%, 08/15/2042	367,000	333,124
3.625%, 02/15/2053 to 05/15/2053	14,436,000	13,854,818
3.875%, 02/15/2043 to 05/15/2043	6,698,000	6,535,667
5.250%, 11/15/2028	380,000	399,520
U.S. Treasury Notes		
0.375%, 07/31/2027	7,183,000	6,144,832
0.750%, 05/31/2026	4,000	3,593
1.125%, 02/29/2028 to 08/31/2028	3,756,000	3,258,392
1.375%, 10/31/2028	4,782,000	4,160,340
1.500%, 08/15/2026	17,404,000	15,907,664
1.625%, 05/15/2026	7,507,000	6,926,674
1.750%, 12/31/2026	1,523,000	1,394,913
1.875%, 02/28/2029	4,806,000	4,273,773
2.000%, 11/15/2026	2,538,000	2,347,551
2.250%, 11/15/2025	979,000	924,926
2.625%, 02/15/2029 to 07/31/2029	3,441,000	3,186,631

Core Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes (continued)		
2.750%, 07/31/2027	\$ 1,945,000	\$ 1,833,694
2.875%, 04/30/2025 to 04/30/2029	4,962,000	4,733,845
3.000%, 07/15/2025	1,779,000	1,714,581
3.250%, 06/30/2029	5,189,000	4,964,414
3.375%, 05/15/2033	5,119,000	4,936,636
3.500%, 01/31/2028 to 04/30/2028	9,931,000	9,648,100
3.625%, 05/15/2026 to 05/31/2028	3,147,000	3,076,050
3.750%, 05/31/2030	1,364,000	1,345,032
3.875%, 03/31/2025	34,000	33,332
4.000%, 06/30/2028	19,857,000	19,748,407
4.125%, 01/31/2025 to 06/15/2026	5,411,000	5,336,145
4.250%, 05/31/2025 to 10/15/2025	5,967,000	5,897,465
4.375%, 10/31/2024	241,000	238,091
4.500%, 11/30/2024	42,000	41,554
		201,377,085

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency – 30.7%		
Federal Home Loan Bank		
1.000%, (1.000% to 9-30-23, 1.250% to 9-30-24, 1.500% to 9-30-25, 1.750% to 9-30-26, 2.000% to 9-30-27, 2.250% to 9-30-28, 2.500% to 9-30-29, 3.000% to 3-30-30, 3.500% to 9-30-30, 4.000% to 3-30-31, then 4.500% thereafter), 09/30/2031	\$ 1,450,000	\$ 1,204,260
Federal Home Loan Mortgage Corp.		
2.000%, 06/01/2040 to 12/01/2051	16,896,843	14,379,721
2.407%, (12 month LIBOR + 1.635%), 07/01/2043 (A)	43,622	44,051
2.500%, 04/01/2042 to 03/01/2052	4,283,139	3,692,439
2.521%, (12 month LIBOR + 1.631%), 11/01/2043 (A)	85,066	85,042
2.672%, (12 month LIBOR + 1.611%), 10/01/2043 (A)	84,462	84,671
2.817%, (12 month LIBOR + 1.641%), 05/01/2049 (A)	291,659	284,206
3.000%, 04/01/2040 to 02/01/2047	6,053,740	5,471,856
3.034%, (12 month LIBOR + 1.606%), 09/01/2043 (A)	41,726	41,609
3.155%, (12 month LIBOR + 1.642%), 08/01/2043 (A)	70,416	69,675
3.500%, 06/01/2046 to 10/01/2046	735,958	681,431
3.586%, (12 month LIBOR + 1.646%), 10/01/2043 (A)	105,368	106,104
3.913%, (1 month SOFR + 2.130%), 07/01/2052 (A)	386,495	367,522
3.922%, (12 month LIBOR + 1.727%), 01/01/2044 (A)	157,446	156,454
3.986%, (1 month SOFR + 2.140%), 08/01/2052 (A)	528,355	498,129
4.000%, 07/01/2049	1,332,816	1,281,938
4.123%, (1 month SOFR + 2.380%), 09/01/2052 (A)	270,319	258,447
4.140%, (12 month LIBOR + 1.637%), 03/01/2049 (A)	377,470	378,406
4.177%, 12/14/2029 (B)	1,179,000	901,677
4.199%, (1 month SOFR + 2.304%), 05/01/2053 (A)	1,524,433	1,470,757
4.299%, (1 month SOFR + 2.130%), 07/01/2052 (A)	456,013	438,585
4.500%, 06/01/2039 to 07/01/2039	88,675	86,660
4.670%, (12 month LIBOR + 1.637%), 04/01/2048 (A)	909,448	915,595
5.147%, (12 month LIBOR + 1.689%), 09/01/2047 (A)	448,021	449,263
5.403%, (12 month LIBOR + 1.638%), 09/01/2045 (A)	710,435	709,835
5.497%, (12 month LIBOR + 1.770%), 09/01/2042 (A)	71,602	72,869
6.324%, (12 month LIBOR + 1.684%), 02/01/2043 (A)	103,496	104,437
7.040%, (12 month LIBOR + 1.650%), 03/01/2043 (A)	70,506	70,436
Federal National Mortgage Association		
1.500%, 10/01/2041 to 07/01/2051	12,460,378	10,069,846
1.520%, 08/21/2035	1,478,000	1,049,053
1.900%, 01/25/2036	1,322,000	971,545
2.000%, TBA (C)	2,400,000	1,955,727
2.000%, 06/01/2040 to 03/01/2047	45,343,358	38,513,231
2.500%, 12/01/2040 to 03/01/2052	10,727,115	9,368,784

Core Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
3.000%, 05/01/2040 to 07/01/2060	\$ 50,830,080	\$ 45,703,131
3.014%, (12 month LIBOR + 1.603%), 03/01/2050 (A)	980,063	953,010
3.203%, (12 month LIBOR + 1.578%), 10/01/2043 (A)	189,692	189,221
3.500%, 03/01/2042 to 04/01/2050	10,961,312	10,172,136
3.681%, (1 month SOFR + 2.370%), 08/01/2052 (A)	560,110	530,557
3.965%, (1 month SOFR + 2.120%), 08/01/2052 (A)	233,303	220,528
4.000%, 01/01/2027 to 05/01/2049	10,761,601	10,446,066
4.143%, (1 month SOFR + 2.120%), 09/01/2052 (A)	814,154	788,084
4.149%, (1 month SOFR + 2.131%), 10/01/2052 (A)	1,912,904	1,850,343
4.169%, (1 month SOFR + 2.120%), 07/01/2052 (A)	830,163	790,278
4.218%, (1 month SOFR + 2.370%), 09/01/2052 (A)	263,022	252,919
4.249%, (1 month SOFR + 2.127%), 11/01/2052 (A)	682,241	661,558
4.284%, 11/15/2030 (B)	3,465,000	2,531,213
4.300%, (12 month LIBOR + 1.579%), 06/01/2045 (A)	271,304	274,419
4.306%, (1 month SOFR + 2.125%), 08/01/2052 (A)	1,026,371	991,504
4.355%, (1 month SOFR + 2.124%), 07/01/2052 (A)	980,042	948,282
4.500%, 06/01/2041 to 11/01/2048	2,275,640	2,240,805
4.517%, (1 month SOFR + 2.120%), 11/01/2052 (A)	434,096	423,674
4.629%, (1 month SOFR + 2.125%), 08/01/2052 (A)	1,122,727	1,094,684
4.634%, (1 month SOFR + 2.123%), 08/01/2052 (A)	839,735	812,440
4.653%, (1 month SOFR + 2.130%), 08/01/2052 (A)	867,452	846,477
4.674%, (12 month LIBOR + 1.583%), 01/01/2046 (A)	700,150	704,656
5.500%, TBA (C)	2,400,000	2,388,467
5.500%, 09/01/2052	744,336	762,269
6.000%, TBA (C)	22,900,000	23,095,648
6.000%, 05/01/2053	2,262,775	2,282,797
6.058%, (12 month LIBOR + 1.653%), 01/01/2043 (A)	42,622	43,433
6.500%, 11/01/2052 to 02/01/2053	824,373	874,802
6.756%, (12 month LIBOR + 1.560%), 06/01/2043 (A)	53,772	54,649
6.953%, (12 month LIBOR + 1.560%), 03/01/2043 (A)	9,816	9,929
7.000%, 02/01/2053	672,485	698,650
Government National		
Mortgage Association		
3.000%, 06/20/2043 to 10/20/2050	7,868,229	7,087,994
3.500%, 01/20/2048	459,851	428,210
4.000%, 03/20/2048 to 04/20/2048	622,129	594,831
4.500%, 08/15/2047 to 02/20/2049	1,035,010	1,011,043
6.000%, TBA (C)	19,000,000	19,110,038
6.000%, 01/20/2053	1,572,289	1,614,049
		239,717,055
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS		
(Cost \$465,846,530)		\$ 441,094,140

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS – 0.9%		
Australia – 0.1%		
Export Finance & Insurance Corp. 4.625%, 10/26/2027 (D)	\$ 1,045,000	\$ 1,047,452
Bermuda – 0.0%		
Government of Bermuda 5.000%, 07/15/2032 (D)	311,000	303,225
Canada – 0.1%		
Province of Saskatchewan 3.250%, 06/08/2027	407,000	385,148
Israel – 0.1%		
State of Israel 4.500%, 01/17/2033	1,116,000	1,094,573
Italy – 0.0%		
Republic of Italy 3.875%, 05/06/2051	200,000	144,154
Mexico – 0.3%		
Government of Mexico 3.500%, 02/12/2034	1,249,000	1,046,125
3.750%, 04/19/2071	688,000	458,074
3.771%, 05/24/2061	258,000	175,097
6.338%, 05/04/2053	724,000	737,508
		2,416,804
Panama – 0.1%		
Republic of Panama 6.853%, 03/28/2054	301,000	312,963
Paraguay – 0.1%		
Republic of Paraguay 5.400%, 03/30/2050 (D)	317,000	270,408
5.850%, 08/21/2033 (D)	677,000	676,900
		947,308
Poland – 0.1%		
Republic of Poland 5.500%, 04/04/2053	339,000	340,900
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$7,401,047)		\$ 6,992,527
CORPORATE BONDS – 24.0%		
Communication services – 1.9%		
AT&T, Inc. 3.500%, 06/01/2041	287,000	220,325
3.650%, 09/15/2059	281,000	195,638
3.800%, 12/01/2057	809,000	585,714
5.400%, 02/15/2034	1,679,000	1,681,884
Charter Communications Operating LLC 3.500%, 06/01/2041 to 03/01/2042	1,128,000	755,672
Comcast Corp. 2.987%, 11/01/2063	336,000	212,885
4.049%, 11/01/2052	290,000	240,893
5.350%, 11/15/2027	590,000	600,532
Discovery Communications LLC 4.000%, 09/15/2055	314,000	208,701
Meta Platforms, Inc. 5.600%, 05/15/2053	567,000	582,316
5.750%, 05/15/2063	567,000	586,800
Paramount Global 4.950%, 05/19/2050	364,000	273,207
T-Mobile USA, Inc. 1.500%, 02/15/2026	201,000	181,623
2.250%, 02/15/2026	627,000	576,122
2.550%, 02/15/2031	449,000	373,213
3.750%, 04/15/2027	956,000	904,955
4.800%, 07/15/2028	597,000	584,666
4.950%, 03/15/2028	596,000	586,502
5.050%, 07/15/2033	746,000	732,496

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
T-Mobile USA, Inc. (continued) 5.650%, 01/15/2053	\$ 913,000	\$ 927,060
Verizon Communications, Inc. 2.355%, 03/15/2032	746,000	599,996
2.650%, 11/20/2040	376,000	261,544
5.050%, 05/09/2033	1,624,000	1,605,928
WarnerMedia Holdings, Inc. 5.050%, 03/15/2042	590,000	497,292
5.141%, 03/15/2052	1,049,000	854,146
5.391%, 03/15/2062	372,000	303,169
		15,133,279
Consumer discretionary – 0.9%		
Ford Motor Credit Company LLC 2.900%, 02/10/2029	551,000	455,962
7.200%, 06/10/2030	823,000	830,580
General Motors Company 5.200%, 04/01/2045	240,000	204,725
Harley-Davidson Financial Services, Inc. 6.500%, 03/10/2028 (D)	449,000	449,139
Hyundai Capital America 0.800%, 01/08/2024 (D)	236,000	229,810
1.300%, 01/08/2026 (D)	567,000	507,311
5.500%, 03/30/2026 (D)	596,000	590,620
5.600%, 03/30/2028 (D)	935,000	930,109
5.700%, 06/26/2030 (D)	588,000	584,170
Lowe's Companies, Inc. 4.250%, 04/01/2052	563,000	459,340
5.150%, 07/01/2033	824,000	823,702
5.625%, 04/15/2053	730,000	729,563
5.750%, 07/01/2053	301,000	306,706
5.850%, 04/01/2063	151,000	150,530
		7,252,267
Consumer staples – 1.6%		
Anheuser-Busch Companies LLC 4.700%, 02/01/2036	1,657,000	1,611,622
Anheuser-Busch InBev Worldwide, Inc. 4.375%, 04/15/2038	797,000	737,923
Bunge, Ltd. Finance Corp. 1.630%, 08/17/2025	308,000	283,377
2.750%, 05/14/2031	64,000	53,724
Constellation Brands, Inc. 4.900%, 05/01/2033	433,000	425,438
5.250%, 11/15/2048	324,000	310,219
Kenvue, Inc. 4.900%, 03/22/2033 (D)	1,196,000	1,210,131
5.050%, 03/22/2028 to 03/22/2053 (D)	971,000	983,440
5.200%, 03/22/2063 (D)	149,000	152,545
Philip Morris International, Inc. 4.875%, 02/13/2026 to 02/15/2028	1,779,000	1,755,788
5.000%, 11/17/2025	634,000	630,732
5.125%, 11/17/2027 to 02/15/2030	1,925,000	1,916,945
5.375%, 02/15/2033	810,000	808,215
5.750%, 11/17/2032	152,000	155,659
Walmart, Inc. 4.100%, 04/15/2033	750,000	728,220
4.500%, 04/15/2053	450,000	438,873
		12,202,851
Energy – 1.5%		
Aker BP ASA 5.600%, 06/13/2028 (D)	883,000	876,574
6.000%, 06/13/2033 (D)	737,000	737,261
BP Capital Markets America, Inc. 4.812%, 02/13/2033	1,639,000	1,615,180

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Energy Transfer LP		
4.400%, 03/15/2027	\$ 132,000	\$ 126,209
4.950%, 05/15/2028	989,000	956,863
5.300%, 04/15/2047	774,000	673,202
5.400%, 10/01/2047	227,000	200,072
5.750%, 02/15/2033	1,088,000	1,095,122
6.125%, 12/15/2045	239,000	227,064
Exxon Mobil Corp.		
3.452%, 04/15/2051	752,000	584,299
4.327%, 03/19/2050	989,000	896,022
Galaxy Pipeline Assets Bidco, Ltd.		
1.750%, 09/30/2027 (D)	549,945	506,771
2.160%, 03/31/2034 (D)	651,131	552,834
2.625%, 03/31/2036 (D)	459,000	370,076
2.940%, 09/30/2040 (D)	257,409	206,313
MPLX LP		
4.950%, 03/14/2052	555,000	471,358
5.000%, 03/01/2033	899,000	861,138
Petroleos Mexicanos		
2.378%, 04/15/2025	275,000	265,411
2.460%, 12/15/2025	810,250	775,064
		11,996,833
Financials – 6.9%		
American Express Company		
5.043%, (5.043% to 5-1-33, then SOFR + 1.835%), 05/01/2034	1,040,000	1,017,247
Antares Holdings LP		
3.750%, 07/15/2027 (D)	616,000	515,365
Bank of America Corp.		
1.734%, (1.734% to 7-22-26, then SOFR + 0.960%), 07/22/2027	1,488,000	1,328,434
3.419%, (3.419% to 12-20-27, then 3 month CME Term SOFR + 1.302%), 12/20/2028	2,081,000	1,908,326
5.080%, (5.080% to 1-20-26, then SOFR + 1.290%), 01/20/2027	766,000	754,248
5.202%, (5.202% to 4-25-28, then SOFR + 1.630%), 04/25/2029	1,316,000	1,301,618
5.288%, (5.288% to 4-25-33, then SOFR + 1.910%), 04/25/2034	2,714,000	2,688,777
Barclays PLC		
5.829%, (5.829% to 5-9-26, then SOFR + 2.210%), 05/09/2027	1,777,000	1,752,839
6.224%, (6.224% to 5-9-33, then SOFR + 2.980%), 05/09/2034	918,000	914,360
7.437%, (7.437% to 11-2-32, then 1 Year CMT + 3.500%), 11/02/2033	1,133,000	1,225,781
BNP Paribas SA		
5.335%, (5.335% to 6-12-28, then 1 Year CMT + 1.500%), 06/12/2029 (D)	1,178,000	1,161,769
Brighthouse Financial, Inc.		
3.850%, 12/22/2051	265,000	167,242
Brookfield Capital Finance LLC		
6.087%, 06/14/2033	736,000	747,183
Capital One Financial Corp.		
6.312%, (6.312% to 6-8-28, then SOFR + 2.640%), 06/08/2029	1,179,000	1,171,058
6.377%, (6.377% to 6-8-33, then SOFR + 2.860%), 06/08/2034	884,000	877,666
Citigroup, Inc.		
6.174%, (6.174% to 5-25-33, then SOFR + 2.661%), 05/25/2034	1,768,000	1,783,403
Cooperatieve Rabobank UA		
5.564%, (5.564% to 2-28-28, then 1 Year CMT + 1.400%), 02/28/2029 (D)	2,128,000	2,099,585

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Deutsche Bank AG		
3.742%, (3.742% to 10-7-31, then SOFR + 2.257%), 01/07/2033	\$ 1,166,000	\$ 855,109
Fiserv, Inc.		
5.600%, 03/02/2033	153,000	155,725
HSBC Holdings PLC		
6.161%, (6.161% to 3-9-28, then SOFR + 1.970%), 03/09/2029	1,212,000	1,222,314
6.254%, (6.254% to 3-9-33, then SOFR + 2.390%), 03/09/2034	340,000	348,517
6.332%, (6.332% to 3-9-43, then SOFR + 2.650%), 03/09/2044	535,000	554,588
KeyBank NA		
5.000%, 01/26/2033	938,000	811,799
M&T Bank Corp.		
5.053%, (5.053% to 1-27-33, then SOFR + 1.850%), 01/27/2034	551,000	503,239
Macquarie Group, Ltd.		
5.887%, (5.887% to 6-15-33, then SOFR + 2.380%), 06/15/2034 (D)	1,179,000	1,158,330
Manufacturers & Traders Trust Company		
4.700%, 01/27/2028	337,000	315,127
Mizuho Financial Group, Inc.		
5.748%, (5.748% to 7-6-33, then 1 Year CMT + 1.900%), 07/06/2034	601,000	602,789
Morgan Stanley		
5.123%, (5.123% to 2-1-28, then SOFR + 1.730%), 02/01/2029	295,000	290,940
5.164%, (5.164% to 4-20-28, then SOFR + 1.590%), 04/20/2029	295,000	291,397
5.250%, (5.25% to 4-21-33, then SOFR + 1.870%), 04/21/2034	896,000	884,754
6.342%, (6.342% to 10-18-32, then SOFR + 2.560%), 10/18/2033	1,021,000	1,086,143
National Australia Bank Ltd.		
4.900%, 06/13/2028	1,142,000	1,130,728
Santander Holdings USA, Inc.		
6.499%, (6.499% to 3-9-28, then SOFR + 2.356%), 03/09/2029	1,221,000	1,207,732
6.565%, (6.565% to 6-12-28, then SOFR + 2.700%), 06/12/2029	736,000	721,713
SBL Holdings, Inc.		
5.000%, 02/18/2031 (D)	929,000	719,442
Svenska Handelsbanken AB		
5.500%, 06/15/2028 (D)	1,782,000	1,746,137
Swedbank AB		
5.472%, 06/15/2026 (D)	1,767,000	1,751,473
The Bank of New York Mellon Corp.		
4.947%, (4.947% to 4-26-26, then SOFR + 1.026%), 04/26/2027	1,792,000	1,769,893
4.967%, (4.967% to 4-26-33, then SOFR + 1.606%), 04/26/2034	1,344,000	1,312,521
The Bank of Nova Scotia		
5.250%, 06/12/2028	1,179,000	1,170,973
The Charles Schwab Corp.		
5.643%, (5.643% to 5-19-28, then SOFR + 2.210%), 05/19/2029	1,208,000	1,206,550
5.853%, (5.853% to 5-19-33, then SOFR + 2.500%), 05/19/2034	294,000	298,376
The Goldman Sachs Group, Inc.		
1.948%, (1.948% to 10-21-26, then SOFR + 0.913%), 10/21/2027	665,000	591,536
Truist Financial Corp.		
5.867%, (5.867% to 6-8-33, then SOFR + 2.361%), 06/08/2034	737,000	737,303

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Truist Financial Corp. (continued)		
6.047%, (6.047% to 6-8-26, then SOFR + 2.050%), 06/08/2027	\$ 1,032,000	\$ 1,032,428
Trust Fibra Uno		
6.390%, 01/15/2050 (D)	356,000	281,685
U.S. Bancorp		
5.775%, (5.775% to 6-12-28, then SOFR + 2.020%), 06/12/2029	1,473,000	1,472,560
5.836%, (5.836% to 6-10-33, then SOFR + 2.260%), 06/12/2034	589,000	593,262
UBS Group AG		
4.194%, (4.194% to 4-1-30, then SOFR + 3.730%), 04/01/2031 (D)(E)	469,000	417,438
4.282%, 01/09/2028 (D)	1,196,000	1,105,347
5.959%, (5.959% to 1-12-33, then 1 Year CMT + 2.200%), 01/12/2034 (D)	323,000	321,304
6.442%, (6.442% to 8-11-27, then SOFR + 3.700%), 08/11/2028 (D)	1,170,000	1,174,328
Wells Fargo & Company		
4.897%, (4.897% to 7-25-32, then SOFR + 2.100%), 07/25/2033	2,487,000	2,385,561
		53,643,962
Health care – 2.9%		
Abbott Laboratories		
1.400%, 06/30/2030	672,000	552,777
4.750%, 11/30/2036	449,000	450,772
AbbVie, Inc.		
4.050%, 11/21/2039	317,000	276,000
4.250%, 11/21/2049	1,524,000	1,315,409
4.300%, 05/14/2036	194,000	178,160
4.450%, 05/14/2046	198,000	174,338
4.550%, 03/15/2035	448,000	426,618
Amgen, Inc.		
5.150%, 03/02/2028	896,000	895,193
5.250%, 03/02/2025	1,492,000	1,484,119
5.650%, 03/02/2053	1,694,000	1,715,523
Astrazeneca Finance LLC		
4.875%, 03/03/2028	655,000	654,623
4.900%, 03/03/2030	895,000	896,678
CVS Health Corp.		
4.875%, 07/20/2035	89,000	84,571
DH Europe Finance II Sarl		
2.200%, 11/15/2024	735,000	703,891
Eli Lilly & Company		
4.700%, 02/27/2033	297,000	300,893
4.875%, 02/27/2053	448,000	460,143
4.950%, 02/27/2063	209,000	213,288
Gilead Sciences, Inc.		
1.650%, 10/01/2030 (E)	269,000	219,542
2.600%, 10/01/2040	465,000	336,778
4.000%, 09/01/2036	239,000	215,505
4.600%, 09/01/2035	337,000	324,477
HCA, Inc.		
4.625%, 03/15/2052 (D)	287,000	235,841
5.200%, 06/01/2028	1,384,000	1,372,744
5.900%, 06/01/2053	1,036,000	1,026,311
Merck & Company, Inc.		
4.500%, 05/17/2033	151,000	149,780
5.000%, 05/17/2053	303,000	306,951
5.150%, 05/17/2063	227,000	231,850
Pfizer Investment Enterprises Pte, Ltd.		
4.750%, 05/19/2033	2,346,000	2,337,161
5.300%, 05/19/2053	973,000	1,011,610

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Pfizer Investment Enterprises Pte, Ltd. (continued)		
5.340%, 05/19/2063	\$ 448,000	\$ 453,353
Roche Holdings, Inc.		
2.076%, 12/13/2031 (D)	293,000	241,397
Shire Acquisitions Investments Ireland DAC		
2.875%, 09/23/2023	220,000	218,547
Takeda Pharmaceutical Company, Ltd.		
4.400%, 11/26/2023	193,000	191,917
The Cigna Group		
5.400%, 03/15/2033	374,000	380,595
UnitedHealth Group, Inc.		
3.050%, 05/15/2041	141,000	108,991
3.250%, 05/15/2051	444,000	331,182
4.000%, 05/15/2029	568,000	542,812
5.050%, 04/15/2053	279,000	277,311
5.200%, 04/15/2063	310,000	310,115
5.875%, 02/15/2053	714,000	793,060
		22,400,826
Industrials – 2.1%		
Adani International Container Terminal Private, Ltd.		
3.000%, 02/16/2031 (D)	258,030	202,092
AerCap Ireland Capital DAC		
1.150%, 10/29/2023	3,087,000	3,037,540
Burlington Northern Santa Fe LLC		
4.450%, 01/15/2053	121,000	110,715
Canadian Pacific Railway Company		
1.350%, 12/02/2024	665,000	624,814
1.750%, 12/02/2026	129,000	115,954
Crowley Conro LLC		
4.181%, 08/15/2043	464,535	449,670
Delta Air Lines, Inc.		
4.750%, 10/20/2028 (D)	980,000	951,275
John Deere Capital Corp.		
4.150%, 09/15/2027	1,410,000	1,375,868
4.700%, 06/10/2030	1,824,000	1,811,962
4.850%, 10/11/2029	335,000	334,650
4.900%, 03/03/2028	746,000	750,449
Lockheed Martin Corp.		
4.750%, 02/15/2034	1,064,000	1,061,431
Northrop Grumman Corp.		
4.400%, 05/01/2030	344,000	334,926
Quanta Services, Inc.		
0.950%, 10/01/2024	534,000	501,780
Raytheon Technologies Corp.		
5.150%, 02/27/2033	777,000	787,620
5.375%, 02/27/2053	481,000	499,467
Republic Services, Inc.		
4.875%, 04/01/2029	449,000	448,286
5.000%, 04/01/2034	449,000	447,991
The Boeing Company		
2.196%, 02/04/2026	1,016,000	932,493
3.250%, 02/01/2035	329,000	266,763
3.750%, 02/01/2050	587,000	440,875
Union Pacific Corp.		
2.375%, 05/20/2031	285,000	240,991
2.800%, 02/14/2032	386,000	333,057
3.375%, 02/14/2042	321,000	256,485
		16,317,154
Information technology – 2.1%		
Apple, Inc.		
2.375%, 02/08/2041	218,000	160,777
2.650%, 02/08/2051	183,000	126,406

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Apple, Inc. (continued)		
3.950%, 08/08/2052	\$ 420,000	\$ 370,167
4.000%, 05/10/2028	896,000	881,444
4.150%, 05/10/2030	448,000	440,915
4.850%, 05/10/2053	388,000	397,609
Broadcom, Inc.		
2.450%, 02/15/2031 (D)	468,000	380,625
3.150%, 11/15/2025	351,000	333,447
3.419%, 04/15/2033 (D)	385,000	321,959
3.469%, 04/15/2034 (D)	300,000	246,093
4.926%, 05/15/2037 (D)	428,000	387,342
Intel Corp.		
2.800%, 08/12/2041	255,000	181,667
5.625%, 02/10/2043	172,000	174,666
5.700%, 02/10/2053	298,000	303,154
5.900%, 02/10/2063	417,000	430,644
KLA Corp.		
3.300%, 03/01/2050	245,000	183,736
Micron Technology, Inc.		
3.477%, 11/01/2051	147,000	98,058
5.375%, 04/15/2028	1,499,000	1,484,536
5.875%, 02/09/2033	177,000	176,116
NXP BV		
2.500%, 05/11/2031	298,000	242,871
3.250%, 05/11/2041	293,000	213,254
4.400%, 06/01/2027	324,000	313,208
Oracle Corp.		
4.000%, 07/15/2046	520,000	399,678
4.375%, 05/15/2055	180,000	143,927
5.550%, 02/06/2053	398,000	385,401
6.900%, 11/09/2052	664,000	745,252
Qualcomm, Inc.		
6.000%, 05/20/2053	674,000	754,407
Texas Instruments, Inc.		
4.900%, 03/14/2033	1,196,000	1,225,404
5.000%, 03/14/2053	747,000	756,777
5.050%, 05/18/2063	448,000	448,888
VMware, Inc.		
0.600%, 08/15/2023	1,311,000	1,303,123
1.000%, 08/15/2024	931,000	881,446
1.400%, 08/15/2026	871,000	769,130
4.700%, 05/15/2030	538,000	513,438
		16,175,565
Materials – 0.5%		
Anglo American Capital PLC		
4.750%, 03/16/2052 (D)	470,000	388,284
5.500%, 05/02/2033 (D)	409,000	399,590
BHP Billiton Finance USA, Ltd.		
4.875%, 02/27/2026	1,493,000	1,485,385
Glencore Finance Canada, Ltd.		
5.550%, 10/25/2042 (D)	134,000	124,626
6.000%, 11/15/2041 (D)	109,000	108,212
6.900%, 11/15/2037 (D)	309,000	330,665
Glencore Funding LLC		
2.625%, 09/23/2031 (D)	129,000	103,850
5.700%, 05/08/2033 (D)	426,000	422,667
Rohm and Haas Company		
7.850%, 07/15/2029	476,000	530,688
The Dow Chemical Company		
6.900%, 05/15/2053	281,000	317,322
		4,211,289
Real estate – 1.6%		
Agree LP		
2.000%, 06/15/2028	560,000	465,981
2.600%, 06/15/2033	127,000	97,616

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
Agree LP (continued)		
4.800%, 10/01/2032	\$ 281,000	\$ 261,007
American Homes 4 Rent LP		
3.625%, 04/15/2032	516,000	445,924
4.300%, 04/15/2052	231,000	179,887
American Tower Corp.		
2.950%, 01/15/2051	149,000	93,959
3.125%, 01/15/2027	253,000	233,034
5.500%, 03/15/2028	597,000	592,847
5.550%, 07/15/2033	737,000	742,055
Boston Properties LP		
6.500%, 01/15/2034	59,000	59,371
Brixmor Operating Partnership LP		
2.500%, 08/16/2031	493,000	382,724
Crown Castle, Inc.		
1.050%, 07/15/2026	803,000	702,989
2.900%, 03/15/2027 to 04/01/2041	730,000	604,260
3.800%, 02/15/2028	293,000	273,090
4.800%, 09/01/2028	293,000	284,221
5.000%, 01/11/2028	1,548,000	1,519,156
Essex Portfolio LP		
2.550%, 06/15/2031	266,000	214,981
Federal Realty Investment Trust		
3.950%, 01/15/2024	357,000	352,927
Invitation Homes Operating Partnership LP		
2.000%, 08/15/2031	90,000	68,950
4.150%, 04/15/2032	513,000	459,408
Mid-America Apartments LP		
4.300%, 10/15/2023	264,000	262,549
Realty Income Corp.		
2.200%, 06/15/2028	276,000	238,971
2.850%, 12/15/2032	373,000	303,352
4.850%, 03/15/2030	358,000	346,078
4.900%, 07/15/2033	498,000	475,997
5.625%, 10/13/2032	522,000	527,539
Regency Centers LP		
2.950%, 09/15/2029	706,000	605,104
STORE Capital Corp.		
2.700%, 12/01/2031	179,000	124,355
2.750%, 11/18/2030	456,000	329,467
4.500%, 03/15/2028	294,000	256,753
4.625%, 03/15/2029	329,000	276,958
Sun Communities Operating LP		
4.200%, 04/15/2032	516,000	450,603
		12,232,113
Utilities – 2.0%		
American Transmission Systems, Inc.		
2.650%, 01/15/2032 (D)	186,000	153,809
Baltimore Gas and Electric Company		
2.250%, 06/15/2031	400,000	332,846
5.400%, 06/01/2053	448,000	455,124
CenterPoint Energy Houston Electric LLC		
3.600%, 03/01/2052	295,000	228,801
Commonwealth Edison Company		
5.300%, 02/01/2053	120,000	121,953
Consolidated Edison Company of New York, Inc.		
5.200%, 03/01/2033	836,000	844,979
Consumers Energy Company		
2.500%, 05/01/2060	248,000	142,356
DTE Electric Company		
2.950%, 03/01/2050	466,000	316,983
3.650%, 03/01/2052	213,000	165,891

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Duke Energy Carolinas LLC	\$ 272,000	\$ 230,806
2.550%, 04/15/2031		
2.850%, 03/15/2032	496,000	421,566
3.550%, 03/15/2052	361,000	275,109
4.950%, 01/15/2033	442,000	438,726
5.350%, 01/15/2053	599,000	606,759
Duke Energy Corp.		
2.550%, 06/15/2031	293,000	241,426
3.500%, 06/15/2051	84,000	60,827
Duke Energy Florida LLC		
2.400%, 12/15/2031	398,000	326,855
Duke Energy Progress LLC		
2.500%, 08/15/2050	403,000	250,093
5.250%, 03/15/2033	295,000	299,629
Entergy Arkansas LLC		
2.650%, 06/15/2051	360,000	224,061
5.150%, 01/15/2033	599,000	600,282
Eversource Energy		
1.650%, 08/15/2030	454,000	359,977
Exelon Corp.		
5.300%, 03/15/2033	451,000	449,559
5.600%, 03/15/2053	255,000	256,919
Israel Electric Corp., Ltd.		
3.750%, 02/22/2032 (D)	278,000	237,134
Jersey Central Power & Light Company		
2.750%, 03/01/2032 (D)	439,000	362,095
Metropolitan Edison Company		
4.300%, 01/15/2029 (D)	470,000	444,357
5.200%, 04/01/2028 (D)	449,000	444,427
MidAmerican Energy Company		
2.700%, 08/01/2052	346,000	218,615
Mississippi Power Company		
3.100%, 07/30/2051	479,000	322,251
4.250%, 03/15/2042	184,000	153,208
NSTAR Electric Company		
3.100%, 06/01/2051	246,000	172,001
Pacific Gas & Electric Company		
4.950%, 07/01/2050	1,277,000	1,002,969
6.100%, 01/15/2029	295,000	290,254
Pacific Gas and Electric Company		
2.100%, 08/01/2027	214,000	182,795
3.950%, 12/01/2047	933,000	635,394
4.200%, 06/01/2041	232,000	172,772
4.500%, 07/01/2040	137,000	106,506
4.750%, 02/15/2044	134,000	103,976
PacifiCorp		
5.500%, 05/15/2054	477,000	447,522
PECO Energy Company		
2.850%, 09/15/2051	482,000	317,573
Pennsylvania Electric Company		
3.250%, 03/15/2028 (D)	389,000	352,429
5.150%, 03/30/2026 (D)	301,000	296,430
Public Service Company of Oklahoma		
3.150%, 08/15/2051	270,000	178,518
Public Service Electric and Gas Company		
1.900%, 08/15/2031	536,000	430,302
2.050%, 08/01/2050	111,000	65,323
2.700%, 05/01/2050	184,000	122,954
Southern California Edison Company		
4.125%, 03/01/2048	301,000	244,151
Virginia Electric and Power Company		
2.950%, 11/15/2051	400,000	267,510

Core Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Virginia Electric and Power Company (continued)		
5.450%, 04/01/2053	\$ 136,000	\$ 136,043
		15,512,845
TOTAL CORPORATE BONDS		
(Cost \$195,973,517)		
		\$ 187,078,984
MUNICIPAL BONDS – 0.4%		
Board of Regents of the University of Texas System		
2.439%, 08/15/2049	285,000	188,544
County of Clark Department of Aviation (Nevada)		
6.820%, 07/01/2045	750,000	912,682
North Texas Tollway Authority		
6.718%, 01/01/2049	697,000	865,300
Ohio State University		
4.800%, 06/01/2111	464,000	425,896
Port Authority of New York & New Jersey		
4.458%, 10/01/2062	571,000	521,578
TOTAL MUNICIPAL BONDS (Cost \$3,491,211)		
		\$ 2,914,000
COLLATERALIZED MORTGAGE OBLIGATIONS – 10.7%		
Commercial and residential – 3.3%		
Angel Oak Mortgage Trust LLC		
Series 2020-2, Class A1A, 2.531%, 01/26/2065 (D)(F)	122,900	111,738
Series 2020-5, Class A1, 1.373%, 05/25/2065 (D)(F)	80,770	73,602
Series 2021-6, Class A1, 1.458%, 09/25/2066 (D)(F)	480,358	380,332
BANK		
Series 2023-5YR1, Class A3 6.260%, 04/15/2056 (F)	420,000	427,075
BBCMS Mortgage Trust		
Series 2018-C2, Class ASB, 4.236%, 12/15/2051	211,729	203,570
Series 2023-C20, Class A5, 5.576%, 07/15/2056 (F)	273,000	280,799
Benchmark Mortgage Trust		
Series 2023-B39, Class A5 5.754%, 07/15/2055	545,000	558,972
Bunker Hill Loan Depository Trust		
Series 2019-2, Class A1 2.879%, 07/25/2049 (D)	329,978	306,279
BX Commercial Mortgage Trust		
Series 2021-VOLT, Class A (1 month LIBOR + 0.700%), 5.893%, 09/15/2036 (A)(D)	2,021,000	1,955,559
Series 2021-XL2, Class A (1 month LIBOR + 0.689%), 5.882%, 10/15/2038 (A)(D)	925,788	898,493
CFCRE Commercial Mortgage Trust		
Series 2017-C8, Class ASB 3.367%, 06/15/2050	231,667	220,989
COLT Mortgage Loan Trust		
Series 2021-2, Class A1, 0.924%, 08/25/2066 (D)(F)	646,008	494,104
Series 2021-4, Class A1, 1.397%, 10/25/2066 (D)(F)	685,709	538,399
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2013-CR11, Class A4, 4.258%, 08/10/2050	200,113	199,845

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) (continued)		
Series 2013-CR13, Class A4, 4.194%, 11/10/2046 (F)	\$ 308,000	\$ 304,643
Series 2014-UBS4, Class A4, 3.420%, 08/10/2047	730,000	708,607
Series 2015-LC23, Class A3, 3.521%, 10/10/2048	379,000	364,358
CSAIL Commercial Mortgage Trust		
Series 2019-C16, Class A2 3.067%, 06/15/2052	342,000	298,989
EQUS Mortgage Trust		
Series 2021-EQAZ, Class A (1 month LIBOR + 0.755%) 5.948%, 10/15/2038 (A)(D)	786,984	764,265
GS Mortgage Securities Trust		
Series 2013-GC14, Class A5, 4.243%, 08/10/2046	276,742	276,263
Series 2014-GC18, Class A4, 4.074%, 01/10/2047	971,000	957,379
Series 2015-GC32, Class A3, 3.498%, 07/10/2048	315,612	300,035
Series 2020-GSA2, Class A4, 1.721%, 12/12/2053	995,000	780,716
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust		
Series 2010-1, Class A1 5.314%, 01/25/2051 (D)	525,943	508,892
JPMBB Commercial Mortgage Securities Trust		
Series 2013-C17, Class A4, 4.199%, 01/15/2047	202,000	199,750
Series 2014-C23, Class A4, 3.670%, 09/15/2047	330,801	320,923
Series 2015-C28, Class A3, 2.912%, 10/15/2048	1,120,576	1,065,694
Series 2015-C30, Class A5, 3.822%, 07/15/2048	535,000	504,427
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2013-C16, Class A4, 4.166%, 12/15/2046	902,000	897,123
Series 2016-JP4, Class A3, 3.393%, 12/15/2049	198,000	182,973
Med Trust		
Series 2021-MDLN, Class A (1 month LIBOR + 0.950%) 6.144%, 11/15/2038 (A)(D)	1,266,920	1,228,125
MFA Trust		
Series 2021-NQM2, Class A1 1.029%, 11/25/2064 (D)(F)	274,488	226,904
Morgan Stanley Capital I Trust		
Series 2020-HR8, Class A3 1.790%, 07/15/2053	557,000	441,881
New Residential Mortgage Loan Trust		
Series 2019-NQM4, Class A1 2.492%, 09/25/2059 (D)(F)	139,733	126,322
NewRez Warehouse Securitization Trust		
Series 2021-1, Class A (1 month LIBOR + 0.750%) 5.900%, 05/25/2055 (A)(D)	1,636,267	1,623,256

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Starwood Mortgage Residential Trust		
Series 2020-1, Class A1, 2.275%, 02/25/2050 (D)(F)	\$ 50,033	\$ 46,092
Series 2020-3, Class A1, 1.486%, 04/25/2065 (D)(F)	205,907	188,607
Series 2020-INV1, Class A1, 1.027%, 11/25/2055 (D)(F)	184,658	162,847
Series 2021-1, Class A1, 1.219%, 05/25/2065 (D)(F)	242,515	206,536
Series 2021-4, Class A1, 1.162%, 08/25/2056 (D)(F)	621,685	514,622
Verus Securitization Trust		
Series 2019-4, Class A1 (2.642% to 10-25-23, then 3.642% thereafter), 2.642%, 11/25/2059 (D)	229,480	219,372
Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (D)(F)	114,987	110,741
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (D)(F)	91,548	87,381
Series 2020-1, Class A1 (2.417% to 1-25-24, then 3.417% thereafter), 2.417%, 01/25/2060 (D)	241,469	225,500
Series 2020-2, Class A1, 2.226%, 05/25/2060 (D)(F)	90,091	87,736
Series 2020-5, Class A1 (1.218% to 10-1-24, then 2.218% thereafter), 1.218%, 05/25/2065 (D)	87,517	78,686
Series 2021-1, Class A1, 0.815%, 01/25/2066 (D)(F)	310,242	260,777
Series 2021-2, Class A1, 1.031%, 02/25/2066 (D)(F)	597,320	499,188
Series 2021-3, Class A1, 1.046%, 06/25/2066 (D)(F)	447,387	373,120
Series 2021-4, Class A1, 0.938%, 07/25/2066 (D)(F)	570,118	445,444
Series 2021-5, Class A1, 1.013%, 09/25/2066 (D)(F)	1,696,251	1,337,094
Series 2021-7, Class A1, 1.829%, 10/25/2066 (D)(F)	855,301	724,377
Series 2021-8, Class A1, 1.824%, 11/25/2066 (D)(F)	614,277	513,288
Series 2021-R1, Class A1, 0.820%, 10/25/2063 (D)(F)	261,545	231,960
Series 2021-R3, Class A1, 1.020%, 04/25/2064 (D)(F)	277,561	243,448
Visio Trust		
Series 2020-1R, Class A1 1.312%, 11/25/2055 (D)	200,441	176,380
		25,464,477
U.S. Government Agency – 7.4%		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	966,836	877,413
Series 271, Class F5 (1 month LIBOR + 0.500%), 5.693%, 08/15/2042 (A)	292,299	284,953
Series 272, Class F1 (1 month LIBOR + 0.500%), 5.693%, 08/15/2042 (A)	454,538	444,597
Series 280, Class F1 (1 month LIBOR + 0.500%), 5.693%, 09/15/2042 (A)	470,794	460,524

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 4047, Class CX, 3.500%, 05/15/2042	\$ 812,000	\$ 740,953
Series 4122, Class FP (1 month LIBOR + 0.400%), 5.593%, 10/15/2042 (A)	341,145	332,914
Series 4205, Class PA, 1.750%, 05/15/2043	311,972	263,691
Series 4240, Class FA (1 month LIBOR + 0.500%), 5.693%, 08/15/2043 (A)	853,428	834,978
Series 4248, Class FT (1 month LIBOR + 0.500%), 5.693%, 09/15/2043 (A)	294,908	287,407
Series 4446, Class CP, 2.250%, 03/15/2045	402,036	349,704
Series 4631, Class FA (1 month LIBOR + 0.500%), 5.693%, 11/15/2046 (A)	559,769	542,028
Series 4719, Class LM, 3.000%, 09/15/2047	329,820	296,263
Series 4742, Class PA, 3.000%, 10/15/2047	843,348	760,516
Series 4793, Class FD (1 month LIBOR + 0.300%), 5.493%, 06/15/2048 (A)	129,006	123,700
Series 4826, Class KF (1 month LIBOR + 0.300%), 5.493%, 09/15/2048 (A)	266,543	255,645
Series 4880, Class DA, 3.000%, 05/15/2050	645,220	583,290
Series 4937, Class MD, 2.500%, 10/25/2049	578,315	507,161
Series 4993, Class KF (1 month LIBOR + 0.450%), 5.600%, 07/25/2050 (A)	2,353,196	2,249,998
Series 5004, Class FM (1 month LIBOR + 0.350%), 5.500%, 08/25/2050 (A)	500,710	478,307
Series 5091, Class AB, 1.500%, 03/25/2051	1,036,613	825,131
Series 5119, Class AB, 1.500%, 08/25/2049	429,736	342,432
Series 5119, Class QF (1 month SOFR + 0.200%), 5.267%, 06/25/2051 (A)	712,006	676,930
Series 5143, Class GA, 2.000%, 06/25/2049	356,422	287,417
Series 5178, Class TP, 2.500%, 04/25/2049	786,065	680,732
Series 5182, Class M, 2.500%, 05/25/2049	488,990	419,864
Series 5201, Class CA, 2.500%, 07/25/2048	719,257	632,258
Series 5202, Class BH, 2.000%, 12/25/2047	406,304	360,558
Series 5202, Class LA, 2.500%, 05/25/2049	713,254	623,212
Series 5203, Class G, 2.500%, 11/25/2048	317,903	276,117
Series 5217, Class CD, 2.500%, 07/25/2049	618,272	553,730

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 5300, Class C, 2.000%, 09/25/2047	\$ 1,000,143	\$ 906,208
Federal National Mortgage Association		
Series 2012-133, Class JF (1 month LIBOR + 0.350%), 5.500%, 12/25/2042 (A)	390,333	379,370
Series 2012-151, Class NX, 1.500%, 01/25/2043	333,162	278,570
Series 2013-11, Class AP, 1.500%, 01/25/2043	1,131,020	990,650
Series 2013-15, Class FA (1 month LIBOR + 0.350%), 5.500%, 03/25/2043 (A)	469,415	457,195
Series 2013-43, Class BP, 1.750%, 05/25/2043	392,116	331,865
Series 2014-25, Class EL, 3.000%, 05/25/2044	435,276	390,642
Series 2014-74, Class PC, 2.500%, 06/25/2044	361,645	330,104
Series 2015-20, Class EF (1 month LIBOR + 0.350%), 5.500%, 04/25/2045 (A)	1,086,075	1,054,505
Series 2015-26, Class GF (1 month LIBOR + 0.300%), 5.450%, 05/25/2045 (A)	677,745	658,913
Series 2015-32, Class FA (1 month LIBOR + 0.300%), 5.450%, 05/25/2045 (A)	413,978	400,347
Series 2015-48, Class FB (1 month LIBOR + 0.300%), 5.450%, 07/25/2045 (A)	510,180	494,173
Series 2015-8, Class AP, 2.000%, 03/25/2045	797,344	688,611
Series 2015-84, Class PA, 1.700%, 08/25/2033	1,316,407	1,174,636
Series 2016-48, Class MA, 2.000%, 06/25/2038	1,351,131	1,203,108
Series 2016-57, Class PC, 1.750%, 06/25/2046	2,666,364	2,212,636
Series 2017-13, Class PA, 3.000%, 08/25/2046	523,968	476,838
Series 2017-78, Class FC (1 month LIBOR + 0.350%), 5.500%, 10/25/2047 (A)	494,845	478,071
Series 2018-14, Class KC, 3.000%, 03/25/2048	878,630	808,989
Series 2018-8, Class KL, 2.500%, 03/25/2047	481,042	417,438
Series 2018-85, Class EA, 3.500%, 12/25/2048	370,024	347,515
Series 2018-85, Class FE (1 month LIBOR + 0.300%), 5.450%, 12/25/2048 (A)	1,113,903	1,078,782
Series 2019-15, Class FA (1 month LIBOR + 0.500%), 5.650%, 04/25/2049 (A)	264,154	256,372
Series 2019-25, Class PA, 3.000%, 05/25/2048	851,683	767,711
Series 2019-43, Class FC (1 month LIBOR + 0.400%), 5.550%, 08/25/2049 (A)	528,600	510,424

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2019-67, Class FB (1 month LIBOR + 0.450%), 5.600%, 11/25/2049 (A)	\$ 261,091	\$ 252,693
Series 2020-34, Class F (1 month LIBOR + 0.450%), 5.600%, 06/25/2050 (A)	360,289	347,613
Series 2020-45, Class JL, 3.000%, 07/25/2040	891,476	799,271
Series 2020-48, Class AB, 2.000%, 07/25/2050	418,146	343,214
Series 2020-48, Class DA, 2.000%, 07/25/2050	1,266,063	1,049,397
Series 2021-27, Class EC, 1.500%, 05/25/2051	1,772,400	1,402,846
Series 2021-78, Class ND, 1.500%, 11/25/2051	984,302	802,551
Series 2021-78, Class PA, 2.500%, 11/25/2051	561,442	480,313
Series 2022-11, Class A, 2.500%, 07/25/2047	1,560,801	1,378,578
Series 2022-28, Class CA, 2.000%, 01/25/2048	582,988	514,835
Series 2022-3, Class N, 2.000%, 10/25/2047	1,739,311	1,493,838
Series 414, Class A35, 3.500%, 10/25/2042	1,066,682	994,542
Government National		
Mortgage Association		
Series 2012-141, Class WA, 4.517%, 11/16/2041 (F)	169,742	164,320
Series 2017-167, Class BQ, 2.500%, 08/20/2044	455,005	410,895
Series 2021-227, Class E, 2.500%, 07/20/2050	2,502,158	2,163,548
Series 2021-23, Class MG, 1.500%, 02/20/2051	1,218,659	996,452
Series 2021-27, Class BD, 5.000%, 02/20/2051	490,837	490,604
Series 2021-27, Class CW, 5.001%, 02/20/2051 (F)	639,762	630,226
Series 2021-27, Class NT, 5.000%, 02/20/2051	508,895	492,533
Series 2021-27, Class Q, 5.000%, 02/20/2051	445,001	431,868
Series 2021-8, Class CY, 5.000%, 01/20/2051	451,736	445,148
Series 2022-107, Class C, 2.500%, 06/20/2051	2,113,661	1,776,347
Series 2022-191, Class B, 4.000%, 06/20/2041	2,358,000	2,215,908
Series 2022-197, Class LF (1 month SOFR + 0.700%), 5.766%, 11/20/2052 (A)	1,875,388	1,861,533
Series 2022-205, Class A, 2.000%, 09/20/2051	769,058	618,148
Series 2022-31, Class GH, 2.500%, 12/20/2049	1,370,055	1,197,188
Series 2022-50, Class DC, 2.500%, 08/20/2051	622,504	529,182

Core Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association (continued)		
Series 2022-84, Class A, 2.500%, 01/20/2052	\$ 626,844	\$ 530,442
		58,260,129
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$90,592,995)		
		\$ 83,724,606
ASSET BACKED SECURITIES – 12.2%		
Ally Auto Receivables Trust		
Series 2022-3, Class A4 5.070%, 06/15/2031	331,000	329,534
American Express Credit Account Master Trust		
Series 2023-1, Class A 4.870%, 05/15/2028	1,291,000	1,283,379
AmeriCredit Automobile Receivables Trust		
Series 2022-1, Class A3 2.450%, 11/18/2026	259,000	250,664
Series 2022-2, Class A3 4.380%, 04/18/2028	633,000	620,343
Series 2023-1, Class A3 5.620%, 11/18/2027	913,000	906,829
Avis Budget Rental Car Funding AESOP LLC		
Series 2019-3A, Class A 2.360%, 03/20/2026 (D)	678,000	640,157
Series 2020-1A, Class A 2.330%, 08/20/2026 (D)	494,000	459,354
Series 2021-2A, Class A 1.660%, 02/20/2028 (D)	644,000	556,979
Series 2022-4A, Class A 4.770%, 02/20/2029 (D)	322,000	308,165
Series 2023-1A, Class A 5.250%, 04/20/2029 (D)	1,194,000	1,163,852
Series 2023-2A, Class A 5.200%, 10/20/2027 (D)	761,000	743,973
Series 2023-4A, Class A 5.490%, 06/20/2029 (D)	1,581,000	1,555,255
Series 2023-6A, Class A 5.810%, 12/20/2029 (D)	896,000	894,242
BA Credit Card Trust		
Series 2023-A1, Class A1 4.790%, 05/15/2028	1,464,000	1,453,459
BMW Vehicle Lease Trust		
Series 2023-1, Class A4 5.070%, 06/25/2026	457,000	453,547
Capital One Multi-Asset Execution Trust		
Series 2022-A2, Class A 3.490%, 05/15/2027	883,000	853,524
Series 2023-A1, Class A 4.420%, 05/15/2028	754,000	740,952
Capital One Prime Auto Receivables Trust		
Series 2023-1, Class A3 4.870%, 02/15/2028	1,891,000	1,870,950
Series 2023-1, Class A4 4.760%, 08/15/2028	630,000	622,259
Chase Auto Owner Trust		
Series 2022-AA, Class A4 3.990%, 03/27/2028 (D)	416,000	401,377

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month LIBOR + 1.650%)		
6.800%, 11/26/2046 (A)(D)	\$ 301,579	\$ 301,157
Series 2018-A, Class A2		
4.130%, 12/26/2047 (D)	219,942	206,396
Series 2019-A, Class A2		
3.280%, 12/28/2048 (D)	386,873	353,215
Discover Card Execution Note Trust		
Series 2022-A4, Class A		
5.030%, 10/15/2027	249,000	247,730
Series 2023-A1, Class A		
4.310%, 03/15/2028	1,497,000	1,463,982
Series 2023-A2, Class A		
4.930%, 06/15/2028	2,632,000	2,620,382
Enterprise Fleet Financing LLC		
Series 2023-1, Class A2		
5.510%, 01/22/2029 (D)	908,000	900,357
Series 2023-1, Class A3		
5.420%, 10/22/2029 (D)	560,000	557,152
Ford Credit Auto Lease Trust		
Series 2023-A, Class A4		
4.830%, 05/15/2026	486,000	478,573
Ford Credit Auto Owner Trust		
Series 2022-1, Class A		
3.880%, 11/15/2034 (D)	2,096,000	1,987,227
Series 2022-D, Class A4		
5.300%, 03/15/2028	299,000	298,830
Series 2023-1, Class A		
4.850%, 08/15/2035 (D)	2,358,000	2,307,255
Series 2023-A, Class A3		
4.650%, 02/15/2028	1,281,000	1,264,761
Series 2023-B, Class A3		
5.230%, 05/15/2028	1,095,000	1,092,611
Series 2023-B, Class A4		
5.060%, 02/15/2029	434,000	432,153
Ford Credit Floorplan Master Owner Trust A		
Series 2023-1, Class A1		
4.920%, 05/15/2028 (D)	1,169,000	1,155,992
GM Financial Automobile Leasing Trust		
Series 2023-1, Class A4		
5.160%, 01/20/2027	680,000	674,144
Series 2023-2, Class A3		
5.050%, 07/20/2026	916,000	908,504
Series 2023-2, Class A4		
5.090%, 05/20/2027	416,000	411,372
GM Financial Consumer Automobile Receivables Trust		
Series 2022-2, Class A3		
3.100%, 02/16/2027	1,483,000	1,435,026
Series 2022-4, Class A3		
4.820%, 08/16/2027	510,000	504,148
GM Financial Revolving Receivables Trust		
Series 2022-1, Class A		
5.910%, 10/11/2035 (D)	786,000	800,865
Series 2023-1, Class A		
5.120%, 04/11/2035 (D)	1,173,000	1,159,618
GMF Floorplan Owner Revolving Trust		
Series 2023-1, Class A1		
5.340%, 06/15/2028 (D)	2,032,000	2,028,165
Hertz Vehicle Financing LLC		
Series 2021-2A, Class A		
1.680%, 12/27/2027 (D)	740,000	644,800
Series 2022-1A, Class A		
1.990%, 06/25/2026 (D)	1,210,000	1,122,529

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Hertz Vehicle Financing LLC (continued)		
Series 2022-4A, Class A		
3.730%, 09/25/2026 (D)	\$ 735,000	\$ 700,675
Series 2023-2A, Class A		
5.570%, 09/25/2029 (D)	1,513,000	1,488,323
Honda Auto Receivables Owner Trust		
Series 2023-1, Class A3		
5.040%, 04/21/2027	1,641,000	1,630,373
Series 2023-1, Class A4		
4.970%, 06/21/2029	789,000	784,081
Hyundai Auto Lease Securitization Trust		
Series 2023-B, Class A4		
5.170%, 04/15/2027 (D)	661,000	651,721
Hyundai Auto Receivables Trust		
Series 2021-C, Class A4		
1.030%, 12/15/2027	549,000	502,016
Series 2022-A, Class A3		
2.220%, 10/15/2026	1,004,000	963,613
Series 2022-A, Class A4		
2.350%, 04/17/2028	341,000	318,546
Series 2023-A, Class A4		
4.480%, 07/17/2028	599,000	587,217
Mercedes-Benz Auto Lease Trust		
Series 2023-A, Class A3		
4.740%, 01/15/2027	891,000	877,971
Mercedes-Benz Auto Receivables Trust		
Series 2022-1, Class A4		
5.250%, 02/15/2029	693,000	695,713
Series 2023-1, Class A4		
4.310%, 04/16/2029	538,000	525,785
Navient Private Education Loan Trust		
Series 2014-AA, Class A3 (1 month LIBOR + 1.600%)		
6.793%, 10/15/2031 (A)(D)	360,308	359,802
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%)		
7.343%, 12/15/2045 (A)(D)	224,008	224,943
Series 2020-1A, Class A1A		
1.330%, 04/15/2069 (D)	454,894	399,288
Navient Private Education Refi Loan Trust		
Series 2018-A, Class A2		
3.190%, 02/18/2042 (D)	1,485	1,481
Series 2018-CA, Class A2		
3.520%, 06/16/2042 (D)	23,013	22,589
Series 2018-DA, Class A2A		
4.000%, 12/15/2059 (D)	536,940	511,920
Series 2019-CA, Class A2		
3.130%, 02/15/2068 (D)	438,748	414,625
Series 2019-D, Class A2A		
3.010%, 12/15/2059 (D)	1,056,519	976,446
Series 2019-FA, Class A2		
2.600%, 08/15/2068 (D)	585,961	537,397
Series 2020-BA, Class A2		
2.120%, 01/15/2069 (D)	386,273	350,101
Series 2020-EA, Class A		
1.690%, 05/15/2069 (D)	101,343	90,407
Series 2020-GA, Class A		
1.170%, 09/16/2069 (D)	408,757	361,730
Series 2021-A, Class A		
0.840%, 05/15/2069 (D)	164,588	142,766
Series 2021-BA, Class A		
0.940%, 07/15/2069 (D)	236,542	204,261
Series 2021-CA, Class A		
1.060%, 10/15/2069 (D)	979,049	844,385
Series 2021-EA, Class A		
0.970%, 12/16/2069 (D)	1,334,187	1,127,594

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Navient Private Education Refi		
Loan Trust (continued)		
Series 2021-FA, Class A		
1.110%, 02/18/2070 (D)	\$ 835,793	\$ 697,618
Series 2021-GA, Class A		
1.580%, 04/15/2070 (D)	207,677	178,247
Series 2022-A, Class A		
2.230%, 07/15/2070 (D)	2,020,092	1,750,945
Navient Student Loan Trust		
Series 2019-BA, Class A2A		
3.390%, 12/15/2059 (D)	831,942	785,837
Series 2021-3A, Class A1A		
1.770%, 08/25/2070 (D)	925,475	804,834
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (3 month		
LIBOR + 0.180%)		
5.435%, 10/27/2036 (A)	612,219	597,480
Series 2004-4, Class A5 (3 month		
LIBOR + 0.160%)		
5.415%, 01/25/2037 (A)	516,221	507,894
Series 2005-1, Class A5 (3 month		
LIBOR + 0.110%)		
5.365%, 10/25/2033 (A)	1,900,272	1,845,307
Series 2005-2, Class A5 (3 month		
SOFR + 0.362%)		
5.328%, 03/23/2037 (A)	1,830,438	1,786,789
Series 2005-3, Class A5 (3 month		
SOFR + 0.382%)		
5.348%, 12/24/2035 (A)	1,263,877	1,235,688
Series 2005-4, Class A4 (3 month		
SOFR + 0.442%)		
5.408%, 03/22/2032 (A)	330,329	318,457
Nissan Auto Lease Trust		
Series 2023-B, Class A3		
5.690%, 07/15/2026	1,528,000	1,530,063
Series 2023-B, Class A4		
5.610%, 11/15/2027	585,000	585,554
Nissan Auto Receivables Owner Trust		
Series 2022-B, Class A4		
4.450%, 11/15/2029	415,000	406,585
Series 2023-A, Class A4		
4.850%, 06/17/2030	312,000	309,525
PenFed Auto Receivables Owner Trust		
Series 2022-A, Class A3		
3.960%, 04/15/2026 (D)	615,000	603,687
Series 2022-A, Class A4		
4.180%, 12/15/2028 (D)	302,000	293,990
Santander Drive Auto Receivables Trust		
Series 2022-2, Class A3		
2.980%, 10/15/2026	1,366,411	1,351,449
Series 2022-3, Class A3		
3.400%, 12/15/2026	593,245	585,493
Series 2022-4, Class A3		
4.140%, 02/16/2027	889,000	876,658
Series 2022-5, Class A3		
4.110%, 08/17/2026	733,000	725,518
Series 2022-6, Class A3		
4.490%, 11/16/2026	1,551,000	1,531,760
Series 2022-7, Class A3		
5.750%, 04/15/2027	354,000	353,404
SMB Private Education Loan Trust		
Series 2016-B, Class A2A		
2.430%, 02/17/2032 (D)	54,981	52,848
Series 2016-B, Class A2B (1 month		
LIBOR + 1.450%)		
6.643%, 02/17/2032 (A)(D)	21,600	21,587

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
SMB Private Education		
Loan Trust (continued)		
Series 2016-C, Class A2B (1 month		
LIBOR + 1.100%)		
6.293%, 09/15/2034 (A)(D)	\$ 145,965	\$ 145,489
Series 2018-C, Class A2A		
3.630%, 11/15/2035 (D)	118,499	112,816
Series 2020-PTA, Class A2A		
1.600%, 09/15/2054 (D)	710,607	630,007
Series 2020-PTB, Class A2A		
1.600%, 09/15/2054 (D)	1,953,620	1,731,782
Series 2021-A, Class APT1		
1.070%, 01/15/2053 (D)	1,225,486	1,049,528
Series 2021-B, Class A		
1.310%, 07/17/2051 (D)	430,037	378,835
Series 2021-D, Class A1A		
1.340%, 03/17/2053 (D)	1,173,069	1,033,557
Series 2021-E, Class A1A		
1.680%, 02/15/2051 (D)	844,937	752,139
Series 2023-B, Class A1B (1 month		
SOFR + 1.800%)		
6.773%, 10/16/2056 (A)(D)	766,000	767,657
SoFi Professional Loan Program LLC		
Series 2017-D, Class A2FX		
2.650%, 09/25/2040 (D)	21,168	20,154
Series 2020-C, Class AFX		
1.950%, 02/15/2046 (D)	83,198	74,518
Series 2021-A, Class AFX		
1.030%, 08/17/2043 (D)	294,122	246,593
Series 2021-B, Class AFX		
1.140%, 02/15/2047 (D)	680,082	565,962
Synchrony Card Funding LLC		
Series 2022-A2, Class A		
3.860%, 07/15/2028	467,000	452,877
T-Mobile US Trust		
Series 2022-1A, Class A		
4.910%, 05/22/2028 (D)	656,000	648,186
Toyota Auto Receivables Owner Trust		
Series 2022-D, Class A4		
5.430%, 04/17/2028	378,000	382,248
Series 2023-A, Class A4		
4.420%, 08/15/2028	506,000	495,437
Series 2023-B, Class A3		
4.710%, 02/15/2028	772,000	763,751
Verizon Master Trust		
Series 2022-2, Class A		
1.530%, 07/20/2028	577,000	541,770
Series 2022-4, Class A (3.400% to		
6-20-25, then 4.150% thereafter)		
3.400%, 11/20/2028	1,226,000	1,181,449
Series 2022-6, Class A (3.670% to		
7-20-25, then 4.420% thereafter)		
3.670%, 01/22/2029	765,000	740,066
Series 2023-1, Class A (4.490% to		
1-20-26, then 5.240% thereafter)		
4.490%, 01/22/2029	1,174,000	1,153,080
Series 2023-2, Class A		
4.890%, 04/13/2028	432,000	428,046
Series 2023-4, Class A1A		
5.160%, 06/20/2029	1,984,000	1,977,336

John Hancock Variable Insurance Trust

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

Core Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Volkswagen Auto Loan Enhanced Trust Series 2023-1, Class A3 5.020%, 06/20/2028	\$ 853,000	\$ 849,855
World Omni Select Auto Trust Series 2023-A, Class A2A 5.920%, 03/15/2027	761,000	759,585
TOTAL ASSET BACKED SECURITIES (Cost \$99,195,092)		\$ 95,381,447
SHORT-TERM INVESTMENTS – 1.8%		
Short-term funds – 1.8%		
John Hancock Collateral Trust, 5.1773% (G)(H)	10,798	107,925
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (G)	14,153,827	14,153,827
TOTAL SHORT-TERM INVESTMENTS (Cost \$14,261,756)		\$ 14,261,752
Total Investments (Core Bond Trust) (Cost \$876,762,148) – 106.4%		\$ 831,447,456
Other assets and liabilities, net – (6.4%)		(49,742,060)
TOTAL NET ASSETS – 100.0%		\$ 781,705,396
SALE COMMITMENTS		
OUTSTANDING - (0.3)%		
U.S. Government Agency – (0.3)%		
Federal National Mortgage Association 3.500%, TBA (C)	\$ (2,800,000)	\$ (2,550,406)
TOTAL SALE COMMITMENTS OUTSTANDING (Proceeds received \$2,564,078)		\$ (2,550,406)

Security Abbreviations and Legend

CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(B)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(C)	Security purchased or sold on a when-issued or delayed delivery basis.
(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. Rule 144A securities amounted to \$89,747,309 or 11.5% of the fund's net assets as of 6-30-23.
(E)	All or a portion of this security is on loan as of 6-30-23.
(F)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(G)	The rate shown is the annualized seven-day yield as of 6-30-23.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

High Yield Trust

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS – 0.4%		
Argentina – 0.4%		
Provincia de Buenos Aires 5.250%, (5.250% to 9-1-23, then 6.375% to 9-1-24, then 6.625% thereafter), 09/01/2037 (A)	\$ 756,976	\$ 287,651
Republic of Argentina 0.500%, (0.500% to 7-9-23, then 0.750% to 7-9-27, then 1.750% thereafter), 07/09/2030	598,627	198,784
1.000%, 07/09/2029	59,073	19,122
1.500%, (1.500% to 7-9-23, then 3.625% to 7-9-24, then 4.125% to 7-9-27, then 4.750% to 7-9-28, then 5.000% thereafter), 07/09/2035	526,571	157,080
		662,637
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$1,106,076)		\$ 662,637
CORPORATE BONDS – 82.8%		
Communication services – 10.0%		
Accelerate360 Holdings LLC 8.000%, 03/01/2028 (A)	719,050	747,812
Allen Media LLC 10.500%, 02/15/2028 (A)	1,470,000	757,050
Altice Financing SA 5.750%, 08/15/2029 (A)	780,000	604,235
Altice France Holding SA 10.500%, 05/15/2027 (A)	640,000	387,539
Altice France SA 5.125%, 07/15/2029 (A)	590,000	418,825
AMC Entertainment Holdings, Inc. 7.500%, 02/15/2029 (A)	730,000	513,284
10.000%, 06/15/2026 (A)	330,000	236,775
CCO Holdings LLC 4.250%, 02/01/2031 to 01/15/2034 (A)	220,000	173,185
4.500%, 08/15/2030 (A)	620,000	516,268
4.500%, 05/01/2032	1,970,000	1,572,960
4.750%, 02/01/2032 (A)	540,000	440,359
Charter Communications Operating LLC 6.484%, 10/23/2045	230,000	216,227
Clear Channel Outdoor Holdings, Inc. 7.500%, 06/01/2029 (A)	760,000	562,382
CSC Holdings LLC 4.125%, 12/01/2030 (A)	240,000	167,886
5.000%, 11/15/2031 (A)	330,000	153,684
5.750%, 01/15/2030 (A)	600,000	283,302
6.500%, 02/01/2029 (A)	800,000	646,429
11.250%, 05/15/2028 (A)	380,000	368,497
Directv Financing LLC 5.875%, 08/15/2027 (A)	710,000	643,001
DISH DBS Corp. 5.125%, 06/01/2029	1,000,000	464,346
5.750%, 12/01/2028 (A)	900,000	669,405
5.875%, 11/15/2024	780,000	682,201
7.750%, 07/01/2026	870,000	533,280
Gannett Holdings LLC 6.000%, 11/01/2026 (A)	620,000	522,315
iHeartCommunications, Inc. 4.750%, 01/15/2028 (A)(B)	190,000	143,238
5.250%, 08/15/2027 (A)	410,000	313,527
Match Group Holdings II LLC 3.625%, 10/01/2031 (A)(B)	280,000	230,143
4.625%, 06/01/2028 (A)	350,000	321,510
Playtika Holding Corp. 4.250%, 03/15/2029 (A)	490,000	434,875

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Sprint LLC		
7.875%, 09/15/2023	\$ 320,000	\$ 320,773
Telecom Italia Capital SA		
6.000%, 09/30/2034	500,000	403,227
Time Warner Cable LLC		
7.300%, 07/01/2038	220,000	224,195
UPC Holding BV		
5.500%, 01/15/2028 (A)	430,000	375,375
Urban One, Inc.		
7.375%, 02/01/2028 (A)	340,000	296,184
Viavi Solutions, Inc.		
3.750%, 10/01/2029 (A)	270,000	229,420
Virgin Media Secured Finance PLC		
5.500%, 05/15/2029 (A)	330,000	298,503
Virgin Media Vendor Financing Notes IV DAC		
5.000%, 07/15/2028 (A)	470,000	411,124
Vmed O2 UK Financing I PLC		
4.750%, 07/15/2031 (A)	700,000	582,049
ZipRecruiter, Inc.		
5.000%, 01/15/2030 (A)	330,000	280,979
		17,146,369
Consumer discretionary – 19.7%		
Academy, Ltd.		
6.000%, 11/15/2027 (A)	250,000	240,000
Adtalem Global Education, Inc.		
5.500%, 03/01/2028 (A)	161,000	146,108
American Axle & Manufacturing, Inc.		
5.000%, 10/01/2029 (B)	1,080,000	900,296
American News Company LLC		
8.500%, (8.500% Cash or 10.000% PIK), 09/01/2026 (A)	609,259	686,940
Bath & Body Works, Inc.		
5.250%, 02/01/2028	920,000	874,648
7.500%, 06/15/2029 (B)	160,000	162,131
9.375%, 07/01/2025 (A)	340,000	360,910
Boyne USA, Inc.		
4.750%, 05/15/2029 (A)(B)	500,000	450,579
Caesars Entertainment, Inc.		
4.625%, 10/15/2029 (A)(B)	300,000	261,963
7.000%, 02/15/2030 (A)	1,100,000	1,104,664
8.125%, 07/01/2027 (A)(B)	350,000	358,214
Carnival Corp.		
6.000%, 05/01/2029 (A)	970,000	866,049
7.625%, 03/01/2026 (A)	490,000	479,905
10.500%, 06/01/2030 (A)(B)	900,000	954,789
Carnival Holdings Bermuda, Ltd.		
10.375%, 05/01/2028 (A)	510,000	557,802
Carriage Purchaser, Inc.		
7.875%, 10/15/2029 (A)(B)	720,000	541,212
Carriage Services, Inc.		
4.250%, 05/15/2029 (A)(B)	640,000	550,848
Carrols Restaurant Group, Inc.		
5.875%, 07/01/2029 (A)	350,000	288,054
Dornoch Debt Merger Sub, Inc.		
6.625%, 10/15/2029 (A)(B)	410,000	334,468
Empire Communities Corp.		
7.000%, 12/15/2025 (A)(B)	650,000	614,250
Fertitta Entertainment LLC		
4.625%, 01/15/2029 (A)	640,000	561,600
Fontainebleau Las Vegas Holdings LLC		
11.000%, 06/15/2015 (A)(C)	3,600,425	360
Foot Locker, Inc.		
4.000%, 10/01/2029 (A)	640,000	481,952

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Ford Motor Company		
3.250%, 02/12/2032	\$ 400,000	\$ 314,674
6.100%, 08/19/2032	670,000	649,335
Ford Motor Credit Company LLC		
4.000%, 11/13/2030	810,000	692,212
4.950%, 05/28/2027	330,000	311,285
5.113%, 05/03/2029	900,000	834,668
7.350%, 03/06/2030	940,000	959,967
Full House Resorts, Inc.		
8.250%, 02/15/2028 (A)(B)	1,160,000	1,085,737
Installed Building Products, Inc.		
5.750%, 02/01/2028 (A)	230,000	216,622
Melco Resorts Finance, Ltd.		
5.375%, 12/04/2029 (A)	340,000	280,951
Mohegan Tribal Gaming Authority		
13.250%, 12/15/2027 (A)	570,000	604,203
NCL Corp., Ltd.		
5.875%, 02/15/2027 (A)	2,260,000	2,199,894
7.750%, 02/15/2029 (A)	610,000	579,384
8.375%, 02/01/2028 (A)	800,000	835,955
NMG Holding Company, Inc.		
7.125%, 04/01/2026 (A)	300,000	279,237
PetSmart, Inc.		
7.750%, 02/15/2029 (A)	250,000	248,395
Royal Caribbean Cruises, Ltd.		
5.375%, 07/15/2027 (A)	660,000	617,135
7.250%, 01/15/2030 (A)	840,000	850,789
11.625%, 08/15/2027 (A)	990,000	1,076,565
Sands China, Ltd.		
5.900%, 08/08/2028	200,000	190,637
Sizzling Platter LLC		
8.500%, 11/28/2025 (A)	430,000	419,250
Speedway Motorsports LLC		
4.875%, 11/01/2027 (A)	320,000	295,249
StoneMor, Inc.		
8.500%, 05/15/2029 (A)	440,000	371,250
Sugarhouse HSP Gaming Prop Mezz LP		
5.875%, 05/15/2025 (A)	270,000	260,550
The Michaels Companies, Inc.		
5.250%, 05/01/2028 (A)	360,000	290,858
7.875%, 05/01/2029 (A)	1,070,000	720,955
TopBuild Corp.		
3.625%, 03/15/2029 (A)	490,000	426,391
Upbound Group, Inc.		
6.375%, 02/15/2029 (A)	790,000	701,125
Viking Cruises, Ltd.		
5.875%, 09/15/2027 (A)	170,000	156,250
7.000%, 02/15/2029 (A)(B)	490,000	455,700
9.125%, 07/15/2031 (A)	1,010,000	1,020,100
VOC Escrow, Ltd.		
5.000%, 02/15/2028 (A)	1,345,000	1,234,038
WW International, Inc.		
4.500%, 04/15/2029 (A)	800,000	472,822
Wynn Macau, Ltd.		
4.875%, 10/01/2024 (A)(B)	310,000	302,250
5.625%, 08/26/2028 (A)	920,000	802,700
Wynn Resorts Finance LLC		
7.125%, 02/15/2031 (A)	600,000	596,365
ZF North America Capital, Inc.		
7.125%, 04/14/2030 (A)	470,000	478,015
		33,609,255
Consumer staples – 0.8%		
Darling Ingredients, Inc.		
6.000%, 06/15/2030 (A)	290,000	283,230

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Simmons Foods, Inc. 4.625%, 03/01/2029 (A)	\$ 590,000	\$ 472,717
Triton Water Holdings, Inc. 6.250%, 04/01/2029 (A)	610,000	523,514
		1,279,461
Energy – 12.1%		
Antero Resources Corp. 5.375%, 03/01/2030 (A)	430,000	398,070
Berry Petroleum Company LLC 7.000%, 02/15/2026 (A)	1,290,000	1,193,250
Blue Racer Midstream LLC 6.625%, 07/15/2026 (A)	670,000	663,418
7.625%, 12/15/2025 (A)	350,000	353,809
Chesapeake Energy Corp. 5.500%, 02/01/2026 (A)	80,000	77,997
Chord Energy Corp. 6.375%, 06/01/2026 (A)	1,100,000	1,090,513
CNX Midstream Partners LP 4.750%, 04/15/2030 (A)	740,000	627,658
Crescent Energy Finance LLC 9.250%, 02/15/2028 (A)	590,000	572,442
DCP Midstream Operating LP 6.450%, 11/03/2036 (A)	280,000	287,517
6.750%, 09/15/2037 (A)	200,000	212,256
Earthstone Energy Holdings LLC 8.000%, 04/15/2027 (A)	260,000	251,111
9.875%, 07/15/2031 (A)	570,000	563,417
Endeavor Energy Resources LP 5.750%, 01/30/2028 (A)	410,000	401,054
Energy Transfer LP 6.500%, (6.500% to 11-15-26, then 5 Year CMT + 5.694%), 11/15/2026 (D)	180,000	163,498
EQM Midstream Partners LP 5.500%, 07/15/2028	560,000	529,881
6.500%, 07/01/2027 (A)	220,000	216,980
6.500%, 07/15/2048	1,460,000	1,320,357
7.500%, 06/01/2030 (A)	360,000	364,301
Genesis Energy LP 8.875%, 04/15/2030	530,000	517,807
Hilcorp Energy I LP 6.250%, 04/15/2032 (A)	530,000	472,429
Howard Midstream Energy Partners LLC 6.750%, 01/15/2027 (A)	610,000	581,025
8.875%, 07/15/2028 (A)	370,000	371,850
Nabors Industries, Ltd. 7.250%, 01/15/2026 (A)(B)	620,000	578,782
Noble Finance II LLC 8.000%, 04/15/2030 (A)	390,000	396,505
Northern Oil and Gas, Inc. 8.125%, 03/01/2028 (A)	850,000	833,000
Occidental Petroleum Corp. 4.100%, 02/15/2047	120,000	84,876
4.400%, 04/15/2046	180,000	139,008
6.450%, 09/15/2036	300,000	307,890
6.600%, 03/15/2046	390,000	401,525
8.875%, 07/15/2030	490,000	563,196
Permian Resources Operating LLC 5.875%, 07/01/2029 (A)	1,320,000	1,243,454
Range Resources Corp. 4.750%, 02/15/2030 (A)(B)	120,000	107,550
8.250%, 01/15/2029	490,000	510,188
Southwestern Energy Company 4.750%, 02/01/2032	790,000	696,256
Summit Midstream Holdings LLC 9.000%, 10/15/2026 (A)	380,000	369,075

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Tallgrass Energy Partners LP 6.000%, 12/31/2030 (A)	\$ 590,000	\$ 519,790
Transocean, Inc. 8.750%, 02/15/2030 (A)	390,000	395,850
Venture Global Calcasieu Pass LLC 3.875%, 11/01/2033 (A)	820,000	671,486
6.250%, 01/15/2030 (A)	570,000	565,404
Western Midstream Operating LP 3.350%, 02/01/2025	530,000	506,617
5.450%, 04/01/2044	620,000	523,761
		20,644,853
Financials – 8.9%		
Acuris Finance U.S., Inc. 5.000%, 05/01/2028 (A)	200,000	154,797
Apollo Commercial Real Estate Finance, Inc. 4.625%, 06/15/2029 (A)	790,000	616,126
Barclays PLC 8.000%, (8.000% to 6-15-24, then 5 Year CMT + 5.672%), 06/15/2024 (D)	380,000	359,062
BNP Paribas SA 7.375%, (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%), 08/19/2025 (A)(D)	390,000	378,134
Bread Financial Holdings, Inc. 4.750%, 12/15/2024 (A)	510,000	499,891
Burford Capital Global Finance LLC 6.250%, 04/15/2028 (A)	630,000	579,600
6.875%, 04/15/2030 (A)	500,000	455,760
9.250%, 07/01/2031 (A)	530,000	526,741
Citigroup, Inc. 5.950%, (5.950% to 5-15-25, then 3 month CME Term SOFR + 4.167%), 05/15/2025 (D)	180,000	172,625
6.300%, (6.300% to 5-15-24, then 3 month CME Term SOFR + 3.685%), 12/29/2049 (D)	410,000	398,725
Coinbase Global, Inc. 3.625%, 10/01/2031 (A)	540,000	319,051
Credit Agricole SA 8.125%, (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.185%), 12/23/2025 (A)(D)	340,000	340,509
FirstCash, Inc. 4.625%, 09/01/2028 (A)	530,000	473,398
5.625%, 01/01/2030 (A)	440,000	397,683
Global Aircraft Leasing Company, Ltd. 6.500%, (6.500% Cash or 7.250% PIK), 09/15/2024 (A)	2,025,678	1,854,204
Highlands Holdings Bond Issuer, Ltd. 7.625%, (7.625% Cash or 8.375% PIK), 10/15/2025 (A)	945,962	872,198
Intesa Sanpaolo SpA 4.198%, (4.198% to 6-1-31, then 1 Year CMT + 2.600%), 06/01/2032 (A)	460,000	342,833
Jane Street Group 4.500%, 11/15/2029 (A)	320,000	275,350
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (A)	460,000	399,699
4.750%, 06/15/2029 (A)	300,000	244,151
Lloyds Banking Group PLC 8.000%, (8.000% to 9-27-29, then 5 Year CMT + 3.913%), 09/27/2029 (D)	200,000	182,730
Midcap Financial Issuer Trust 5.625%, 01/15/2030 (A)	380,000	301,729

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Midcap Financial		
Issuer Trust (continued)		
6.500%, 05/01/2028 (A)	\$ 430,000	\$ 382,700
NMI Holdings, Inc.		
7.375%, 06/01/2025 (A)	650,000	656,845
Paysafe Finance PLC		
4.000%, 06/15/2029 (A)(B)	810,000	636,700
Rocket Mortgage LLC		
3.875%, 03/01/2031 (A)	630,000	510,840
4.000%, 10/15/2033 (A)	680,000	531,923
Ryan Specialty LLC		
4.375%, 02/01/2030 (A)	520,000	460,304
StoneX Group, Inc.		
8.625%, 06/15/2025 (A)	270,000	272,688
UBS Group AG		
6.537%, (6.537% to 8-12-32, then SOFR + 3.920%), 08/12/2033 (A)	480,000	491,718
7.000%, (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%), 01/31/2024 (A)(D)	550,000	531,107
UniCredit SpA		
5.459%, (5.459% to 6-30-30, then 5 Year CMT + 4.750%), 06/30/2035 (A)	720,000	611,028
		15,230,849
Health care – 4.6%		
AdaptHealth LLC		
4.625%, 08/01/2029 (A)	460,000	367,158
5.125%, 03/01/2030 (A)	760,000	615,600
Akumin, Inc.		
7.000%, 11/01/2025 (A)	720,000	588,600
AthenaHealth Group, Inc.		
6.500%, 02/15/2030 (A)	740,000	622,814
Bausch Health Companies, Inc.		
5.250%, 01/30/2030 (A)	600,000	249,000
6.125%, 02/01/2027 (A)	160,000	102,432
6.250%, 02/15/2029 (A)	1,220,000	518,500
Cano Health LLC		
6.250%, 10/01/2028 (A)	420,000	262,500
Community Health Systems, Inc.		
5.250%, 05/15/2030 (A)	1,073,000	845,231
6.125%, 04/01/2030 (A)	170,000	101,272
Medline Borrower LP		
3.875%, 04/01/2029 (A)	240,000	208,575
5.250%, 10/01/2029 (A)(B)	520,000	451,204
Par Pharmaceutical, Inc.		
7.500%, 04/01/2027 (A)(C)	720,000	532,104
Radiology Partners, Inc.		
9.250%, 02/01/2028 (A)	50,000	18,209
Teva Pharmaceutical Finance Company LLC		
6.150%, 02/01/2036 (B)	540,000	479,881
Teva Pharmaceutical Finance Netherlands III BV		
5.125%, 05/09/2029 (B)	1,100,000	997,811
7.875%, 09/15/2029 (B)	200,000	206,106
8.125%, 09/15/2031 (B)	460,000	482,117
U.S. Renal Care, Inc.		
10.625%, 07/15/2027 (A)	960,000	240,000
		7,889,114
Industrials – 14.7%		
Advanced Drainage Systems, Inc.		
6.375%, 06/15/2030 (A)	350,000	346,245
Allied Universal Holdco LLC		
4.625%, 06/01/2028 (A)	520,000	437,450
6.625%, 07/15/2026 (A)	700,000	664,260

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Alta Equipment Group, Inc.		
5.625%, 04/15/2026 (A)	\$ 650,000	\$ 604,061
American Airlines, Inc.		
5.750%, 04/20/2029 (A)	1,590,000	1,543,856
7.250%, 02/15/2028 (A)	440,000	437,379
11.750%, 07/15/2025 (A)	150,000	164,479
Anagram International, Inc.		
10.000%, (0.000% Cash and 10.000% PIK), 08/15/2026 (A)	92,219	71,931
ATS Corp.		
4.125%, 12/15/2028 (A)	300,000	268,511
Bombardier, Inc.		
7.500%, 02/01/2029 (A)	570,000	563,357
7.875%, 04/15/2027 (A)	1,180,000	1,176,962
Brundage-Bone Concrete Pumping Holdings, Inc.		
6.000%, 02/01/2026 (A)	500,000	473,459
Clean Harbors, Inc.		
6.375%, 02/01/2031 (A)	310,000	311,941
CoreCivic, Inc.		
8.250%, 04/15/2026	1,070,000	1,079,737
Covanta Holding Corp.		
4.875%, 12/01/2029 (A)	510,000	441,150
Doman Building Materials Group, Ltd.		
5.250%, 05/15/2026 (A)	CAD 280,000	191,281
H&E Equipment Services, Inc.		
3.875%, 12/15/2028 (A)	\$ 920,000	796,518
Hawaiian Brand Intellectual Property, Ltd.		
5.750%, 01/20/2026 (A)	510,000	482,734
Legends Hospitality Holding Company LLC		
5.000%, 02/01/2026 (A)	850,000	765,000
Madison IAQ LLC		
4.125%, 06/30/2028 (A)	90,000	79,227
5.875%, 06/30/2029 (A)	550,000	445,450
Mileage Plus Holdings LLC		
6.500%, 06/20/2027 (A)	399,970	400,969
MIWD Holdco II LLC		
5.500%, 02/01/2030 (A)	1,090,000	899,250
Park-Ohio Industries, Inc.		
6.625%, 04/15/2027 (B)	270,000	238,545
PGT Innovations, Inc.		
4.375%, 10/01/2029 (A)	360,000	335,809
PM General Purchaser LLC		
9.500%, 10/01/2028 (A)	680,000	665,192
Prime Security Services Borrower LLC		
6.250%, 01/15/2028 (A)	920,000	861,857
Resideo Funding, Inc.		
4.000%, 09/01/2029 (A)	630,000	522,649
Roller Bearing Company of America, Inc.		
4.375%, 10/15/2029 (A)	730,000	654,013
Smyrna Ready Mix Concrete LLC		
6.000%, 11/01/2028 (A)	1,250,000	1,178,805
Spirit Loyalty Cayman, Ltd.		
8.000%, 09/20/2025 (A)	906,000	912,816
The GEO Group, Inc.		
9.500%, 12/31/2028 (A)(B)	945,000	921,356
10.500%, 06/30/2028	607,000	608,516
Titan International, Inc.		
7.000%, 04/30/2028	670,000	626,413
TransDigm, Inc.		
6.750%, 08/15/2028 (A)	630,000	632,388

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
United Airlines 2020-1 Class B Pass Through Trust 4.875%, 01/15/2026	\$ 205,500	\$ 195,739
United Airlines, Inc. 4.625%, 04/15/2029 (A)(B)	230,000	209,569
United Rentals North America, Inc. 3.875%, 02/15/2031	510,000	441,557
4.875%, 01/15/2028	640,000	609,018
5.250%, 01/15/2030	400,000	381,810
6.000%, 12/15/2029 (A)	280,000	279,311
Vertiv Group Corp. 4.125%, 11/15/2028 (A)	760,000	684,740
VistaJet Malta Finance PLC 6.375%, 02/01/2030 (A)	690,000	555,610
7.875%, 05/01/2027 (A)	300,000	269,535
9.500%, 06/01/2028 (A)	80,000	73,452
XPO CNW, Inc. 6.700%, 05/01/2034	370,000	368,883
XPO Escrow Sub LLC 7.500%, 11/15/2027 (A)	160,000	163,493
		25,036,283
Information technology – 3.2%		
CA Magnum Holdings 5.375%, 10/31/2026 (A)	410,000	367,099
Central Parent, Inc. 7.250%, 06/15/2029 (A)	650,000	642,714
Clarivate Science Holdings Corp. 4.875%, 07/01/2029 (A)	260,000	230,647
CommScope, Inc. 4.750%, 09/01/2029 (A)(B)	1,500,000	1,182,601
8.250%, 03/01/2027 (A)(B)	640,000	511,989
Elastic NV 4.125%, 07/15/2029 (A)	570,000	491,724
Gen Digital, Inc. 7.125%, 09/30/2030 (A)	340,000	340,569
Helios Software Holdings, Inc. 4.625%, 05/01/2028 (A)(B)	530,000	450,500
Open Text Corp. 6.900%, 12/01/2027 (A)	360,000	366,491
Rackspace Technology Global, Inc. 3.500%, 02/15/2028 (A)	630,000	283,518
Vericast Corp. 11.000%, 09/15/2026 (A)	650,000	679,250
		5,547,102
Materials – 5.1%		
ARD Finance SA 6.500%, (6.500% Cash or 7.250% PIK), 06/30/2027 (A)	1,150,000	931,668
Ardagh Metal Packaging Finance USA LLC 4.000%, 09/01/2029 (A)	800,000	633,595
6.000%, 06/15/2027 (A)	320,000	314,357
Canpack SA 3.875%, 11/15/2029 (A)	700,000	569,383
Cascades, Inc. 5.375%, 01/15/2028 (A)	530,000	495,351
First Quantum Minerals, Ltd. 6.875%, 03/01/2026 to 10/15/2027 (A)	1,690,000	1,655,628
8.625%, 06/01/2031 (A)	1,260,000	1,291,349
Freeport-McMoRan, Inc. 5.450%, 03/15/2043	1,060,000	988,390
Hudbay Minerals, Inc. 6.125%, 04/01/2029 (A)	500,000	460,385
LSF11 A5 HoldCo LLC 6.625%, 10/15/2029 (A)	530,000	442,655

High Yield Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Midwest Vanadium Proprietary, Ltd. 11.500%, 02/15/2018 (A)(C)	\$ 912,943	\$ 1,826
Northwest Acquisitions ULC 7.125%, 11/01/2022 (A)(C)	950,000	10
Olin Corp. 5.000%, 02/01/2030 (B)	420,000	388,122
Pactiv LLC 8.375%, 04/15/2027	20,000	20,167
Summit Materials LLC 5.250%, 01/15/2029 (A)	600,000	566,862
		8,759,748
Real estate – 2.4%		
Diversified Healthcare Trust 4.375%, 03/01/2031	250,000	182,178
4.750%, 02/15/2028	220,000	155,191
9.750%, 06/15/2025	170,000	163,052
Five Point Operating Company LP 7.875%, 11/15/2025 (A)(B)	800,000	722,272
Forestar Group, Inc. 3.850%, 05/15/2026 (A)	550,000	505,373
5.000%, 03/01/2028 (A)	250,000	229,328
IIP Operating Partnership LP 5.500%, 05/25/2026	950,000	799,500
Iron Mountain Information Management Services, Inc. 5.000%, 07/15/2032 (A)	410,000	353,922
MPT Operating Partnership LP 3.500%, 03/15/2031	200,000	137,804
4.625%, 08/01/2029	260,000	196,550
Park Intermediate Holdings LLC 5.875%, 10/01/2028 (A)	390,000	357,825
Service Properties Trust 5.500%, 12/15/2027	400,000	351,686
		4,154,681
Utilities – 1.3%		
Calpine Corp. 3.750%, 03/01/2031 (A)	300,000	243,030
Suburban Propane Partners LP 5.000%, 06/01/2031 (A)	340,000	284,631
Sunnova Energy Corp. 5.875%, 09/01/2026 (A)(B)	1,200,000	1,096,798
Superior Plus LP 4.500%, 03/15/2029 (A)	290,000	254,220
TransAlta Corp. 7.750%, 11/15/2029	310,000	319,145
		2,197,824
TOTAL CORPORATE BONDS		
(Cost \$161,625,328)		\$ 141,495,539
CONVERTIBLE BONDS – 0.7%		
Communication services – 0.2%		
DISH Network Corp. 3.375%, 08/15/2026	530,000	268,975
Consumer discretionary – 0.2%		
DraftKings Holdings, Inc. 6.325%, 03/15/2028 (E)	470,000	350,620
Industrials – 0.2%		
Spirit Airlines, Inc. 1.000%, 05/15/2026	360,000	290,880

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
Utilities – 0.1%		
NextEra Energy Partners LP 2.500%, 06/15/2026 (A)	\$ 190,000	\$ 170,144
TOTAL CONVERTIBLE BONDS (Cost \$1,443,071)		\$ 1,080,619
TERM LOANS (F) – 5.2%		
Consumer discretionary – 1.8%		
Adtalem Global Education, Inc., 2021 Term Loan B (1 month LIBOR + 4.000%) 9.193%, 08/12/2028	287,116	287,027
Clarios Global LP, 2023 Incremental Term Loan (1 month SOFR + 3.750%) 8.852%, 05/06/2030	350,000	348,796
Equinox Holdings, Inc., 2020 Term Loan B2 (3 month LIBOR + 9.000%) 14.538%, 03/08/2024	368,600	340,955
First Brands Group LLC, 2021 Term Loan (6 month SOFR + 5.000%) 10.252%, 03/30/2027	342,125	334,215
Great Outdoors Group LLC, 2021 Term Loan B1 (1 month LIBOR + 3.750%) 8.943%, 03/06/2028	321,793	318,978
Spencer Spirit IH LLC, Term Loan B (1 month SOFR + 6.000%) 11.203%, 06/19/2026	568,408	559,677
Truck Hero, Inc., 2021 Term Loan B (1 month SOFR + 3.750%) 8.967%, 01/31/2028	342,125	321,444
Upbound Group, Inc., 2021 First Lien Term Loan B (3 month LIBOR + 3.250%) 8.563%, 02/17/2028	557,901	557,203
		3,068,295
Financials – 0.6%		
Acrisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%) 8.693%, 02/15/2027	445,050	431,222
Asurion LLC, 2022 Term Loan B10 (1 month SOFR + 4.000%) 9.202%, 08/19/2028	397,000	375,288
Deerfield Dakota Holding LLC, 2021 USD 2nd Lien Term Loan (3 month LIBOR + 6.750%) 12.288%, 04/07/2028	190,000	175,988
		982,498
Health care – 0.9%		
Agility Health, Inc., 2023 Term Loan (1 month SOFR + 3.000%) 8.160%, 05/01/2030	210,000	208,820
Eyecare Partners LLC, 2020 Term Loan (3 month SOFR + 3.750%) 9.253%, 02/18/2027	484,535	355,034
Eyecare Partners LLC, 2022 Incremental Term Loan (3 month SOFR + 4.500%) 9.842%, 11/15/2028	378,100	277,272
LifePoint Health, Inc., 2018 Term Loan B (3 month LIBOR + 3.750%) 9.023%, 11/16/2025	380,000	351,185
U.S. Renal Care, Inc., 2019 Term Loan B (1 month LIBOR + 5.000%) 10.192%, 06/26/2026	634,540	285,016
		1,477,327

High Yield Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (F) (continued)		
Industrials – 0.6%		
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 10.764%, 06/21/2027	\$ 360,000	\$ 373,576
R.R. Donnelley & Sons Company, 2023 Term Loan B (Prime rate + 6.250% and 1 month SOFR + 7.250%) 12.471%, 03/08/2028	607,855	603,108
		976,684
Information technology – 1.1%		
Dcert Buyer, Inc., 2021 2nd Lien Term Loan (3 month SOFR + 7.000%) 12.264%, 02/19/2029	820,000	747,569
Global Tel*Link Corp., 2018 1st Lien Term Loan (1 month SOFR + 4.250%) 9.452%, 11/29/2025	483,834	442,709
MRI Software LLC, 2020 Term Loan (3 month LIBOR + 5.500%) 11.038%, 02/10/2026	61,160	59,020
MRI Software LLC, 2020 Term Loan B (3 month SOFR + 5.500%) 10.842%, 02/10/2026	107,375	103,617
Neptune Bidco US, Inc., 2022 USD Term Loan B (3 month SOFR + 5.000%) 10.004%, 04/11/2029	210,000	184,380
Peraton Corp., Term Loan B (1 month SOFR + 3.750%) 8.952%, 02/01/2028	412,633	404,604
		1,941,899
Materials – 0.2%		
Arctic Canadian Diamond Company, Ltd., 2nd Lien PIK Term Loan (3 month LIBOR + 4.000% or 12.500% PIK) 9.538%, 12/31/2027 (G)	488,697	420,084
TOTAL TERM LOANS (Cost \$9,672,370)		\$ 8,866,787
ASSET BACKED SECURITIES – 6.9%		
AIG CLO, Ltd.		
Series 2018-1A, Class DR (3 month LIBOR + 3.100%) 8.350%, 04/20/2032 (A)(H)	260,000	247,533
Aimco CLO, Ltd.		
Series 2020-12A, Class DR (3 month CME Term SOFR + 2.900%) 7.886%, 01/17/2032 (A)(H)	350,000	329,761
Balboa Bay Loan Funding, Ltd.		
Series 2020-1A, Class ER (3 month LIBOR + 6.400%) 11.650%, 01/20/2032 (A)(H)	500,000	445,755
Ballyrock CLO, Ltd.		
Series 2022-19A, Class D (3 month CME Term SOFR + 7.110%) 12.158%, 04/20/2035 (A)(H)	710,000	651,781
Barings CLO, Ltd.		
Series 2018-3A, Class D (3 month LIBOR + 2.900%) 8.150%, 07/20/2029 (A)(H)	250,000	241,590
Series 2020-4A, Class E (3 month LIBOR + 5.680%) 10.930%, 01/20/2032 (A)(H)	330,000	286,820
Battalion CLO, Ltd.		
Series 2021-20A, Class D (3 month LIBOR + 3.100%) 8.360%, 07/15/2034 (A)(H)	250,000	220,670

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Benefit Street Partners CLO XII, Ltd. Series 2017-12A, Class C (3 month LIBOR + 3.050%) 8.310%, 10/15/2030 (A)(H)	\$ 250,000	\$ 235,553
BlueMountain CLO, Ltd. Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 13.169%, 08/20/2032 (A)(H)	300,000	246,851
Bristol Park CLO, Ltd. Series 2016-1A, Class ER (3 month LIBOR + 7.000%) 12.260%, 04/15/2029 (A)(H)	600,000	526,726
Carlyle US CLO, Ltd. Series 2017-2A, Class C (3 month LIBOR + 3.700%) 8.950%, 07/20/2031 (A)(H)	500,000	438,760
Catskill Park CLO, Ltd. Series 2017-1A, Class D (3 month LIBOR + 6.000%) 11.250%, 04/20/2029 (A)(H)	500,000	412,365
Cook Park CLO, Ltd. Series 2018-1A, Class E (3 month LIBOR + 5.400%) 10.660%, 04/17/2030 (A)(H)	250,000	193,855
Dryden CLO, Ltd. Series 2019-75A, Class ER2 (3 month LIBOR + 6.600%) 11.860%, 04/15/2034 (A)(H)	470,000	418,676
Dryden Senior Loan Fund Series 2015-40A, Class DR (3 month LIBOR + 3.100%) 8.421%, 08/15/2031 (A)(H)	250,000	235,409
Eaton Vance CLO, Ltd. Series 2020-2A, Class ER (3 month LIBOR + 6.500%) 11.760%, 01/15/2035 (A)(H)	440,000	417,352
Great Lakes CLO, Ltd. Series 2014-1A, Class CR (3 month LIBOR + 2.700%) 7.960%, 10/15/2029 (A)(H)	400,000	389,750
Greenwood Park CLO, Ltd. Series 2018-1A, Class D (3 month LIBOR + 2.500%) 7.760%, 04/15/2031 (A)(H)	290,000	253,260
Series 2018-1A, Class E (3 month LIBOR + 4.950%) 10.210%, 04/15/2031 (A)(H)	250,000	193,266
Greywolf CLO IV, Ltd. Series 2019-1A, Class CR (3 month CME Term SOFR + 3.910%) 8.896%, 04/17/2034 (A)(H)	250,000	229,306
Grippen Park CLO, Ltd. Series 2017-1A, Class E (3 month LIBOR + 5.700%) 10.950%, 01/20/2030 (A)(H)	420,000	362,321
Jay Park CLO, Ltd. Series 2016-1A, Class DR (3 month LIBOR + 5.200%) 10.450%, 10/20/2027 (A)(H)	350,000	325,335
Magnetite XII, Ltd. Series 2015-12A, Class ER (3 month LIBOR + 5.680%) 10.940%, 10/15/2031 (A)(H)	300,000	269,144
Magnetite XXIV, Ltd. Series 2019-24A, Class ER (3 month CME Term SOFR + 6.400%) 11.386%, 04/15/2035 (A)(H)	250,000	232,296

High Yield Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
MKS CLO, Ltd. Series 2017-2A, Class D (3 month LIBOR + 2.650%) 7.900%, 01/20/2031 (A)(H)	\$ 500,000	\$ 460,474
Mountain View CLO IX, Ltd. Series 2015-9A, Class CR (3 month LIBOR + 3.120%) 8.380%, 07/15/2031 (A)(H)	250,000	212,865
Neuberger Berman CLO XVIII, Ltd. Series 2014-18A, Class DR2 (3 month LIBOR + 5.920%) 11.181%, 10/21/2030 (A)(H)	250,000	220,131
Neuberger Berman CLO XVI-S, Ltd. Series 2017-16SA, Class DR (3 month LIBOR + 2.900%) 8.160%, 04/15/2034 (A)(H)	400,000	364,028
Neuberger Berman Loan Advisers CLO XXXIV, Ltd. Series 2019-34A, Class ER (3 month CME Term SOFR + 6.500%) 11.548%, 01/20/2035 (A)(H)	500,000	449,646
Neuberger Berman Loan Advisers CLO, Ltd. Series 2017-25A, Class DR (3 month LIBOR + 2.850%) 8.112%, 10/18/2029 (A)(H)	250,000	234,636
OHA Credit Funding, Ltd. Series 2020-7A, Class DR (3 month CME Term SOFR + 3.100%) 8.128%, 02/24/2037 (A)(H)	250,000	237,788
Palmer Square Loan Funding, Ltd. Series 2022-3A, Class C (3 month CME Term SOFR + 5.400%) 10.386%, 04/15/2031 (A)(H)	390,000	391,274
Saranac CLO III, Ltd. Series 2014-3A, Class DR (3 month LIBOR + 3.250%) 8.770%, 06/22/2030 (A)(H)	570,000	458,273
Sculptor CLO XXVI, Ltd. Series 2026-A, Class E (3 month LIBOR + 7.250%) 12.500%, 07/20/2034 (A)(H)	280,000	244,877
Venture XVII CLO, Ltd. Series 2014-17A, Class DRR (3 month LIBOR + 2.820%) 8.080%, 04/15/2027 (A)(H)	350,000	326,002
Voya CLO III, Ltd. Series 2020-3A, Class DR (3 month LIBOR + 3.250%) 8.500%, 10/20/2034 (A)(H)	500,000	452,562
TOTAL ASSET BACKED SECURITIES (Cost \$12,868,604)		\$ 11,856,691
COMMON STOCKS – 0.5%		
Communication services – 0.0%		
New Cotai, Inc., Class B (G)(I)(J)	3	0
Energy – 0.5%		
Berry Corp.	62,206	427,969
Chord Energy Corp.	2,636	405,417
KCAD Holdings I, Ltd. (G)(I)(J)	165,553,563	166
MWO Holdings LLC (G)(I)(J)	445	2,768
Permian Production (G)(J)	19,583	11,750
		848,070
TOTAL COMMON STOCKS (Cost \$2,804,635)		\$ 848,070

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES – 0.3%		
Energy – 0.3%		
MPLX LP, 9.538% (G)	16,445	\$ 559,130
TOTAL PREFERRED SECURITIES (Cost \$534,463)		\$ 559,130
ESCROW CERTIFICATES – 0.0%		
Adelphia Communications Corp. (G)(J)	\$ 3,000,000	0
Adelphia Communications Corp. (G)(J)	2,050,000	0
Adelphia Communications Corp. (G)(J)	1,025,000	0
Magellan Health, Inc. (G)(J)	1,930,000	0
TOTAL ESCROW CERTIFICATES (Cost \$338,778)		\$ 0
SHORT-TERM INVESTMENTS – 5.8%		
Short-term funds – 5.8%		
John Hancock Collateral Trust, 5.1773% (K)(L)	918,086	9,176,087
State Street Institutional Treasury Plus Money Market Fund, Premier Class, 5.0004% (K)	814,266	814,266
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,991,429)		\$ 9,990,353
Total Investments (High Yield Trust) (Cost \$200,384,754) – 102.6%		\$ 175,359,826
Other assets and liabilities, net – (2.6%)		(4,491,617)
TOTAL NET ASSETS – 100.0%		\$ 170,868,209

Currency Abbreviations

CAD Canadian Dollar

Security Abbreviations and Legend

CME Chicago Mercantile Exchange

High Yield Trust (continued)

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
SOFR	Secured Overnight Financing Rate
(A)	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. Rule 144A securities amounted to \$125,707,043 or 73.6% of the fund's net assets as of 6-30-23.
(B)	All or a portion of this security is on loan as of 6-30-23.
(C)	Non-income producing - Issuer is in default.
(D)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(E)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(F)	Term loans are variable rate obligations. The rate shown represents the rate at period end.
(G)	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.
(H)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(I)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(J)	Non-income producing security.
(K)	The rate shown is the annualized seven-day yield as of 6-30-23.
(L)	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)
5-Year U.S. Treasury Note Futures	81	Long	Sep 2023	\$8,894,906	\$8,674,594	\$(220,312)
						\$(220,312)

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
EUR 442,617	USD 485,526	BNP	7/18/2023	—	\$(2,238)
MXN 195,721	USD 10,596	MSCS	7/18/2023	\$810	—
USD 1,735	CAD 2,334	BNP	7/18/2023	—	(27)
				\$810	\$(2,265)

SWAPS

Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	NOVA Chemicals Corp. The Goodyear Tire & Rubber Company	355,000	USD	\$355,000	5.000%	Quarterly	Jun 2027	\$(7,058)	\$(11,818)	\$(18,876)
Centrally cleared	Rubber Company	470,000	USD	470,000	5.000%	Quarterly	Jun 2027	(6,761)	(26,467)	(33,228)
Centrally cleared	Xerox Holdings Corp.	190,000	USD	190,000	1.000%	Quarterly	Jun 2027	21,389	(7,269)	14,120
				\$1,015,000				\$7,570	\$(45,554)	\$(37,984)

John Hancock Variable Insurance Trust

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

High Yield Trust (continued)

Credit default swaps - Seller

Counterparty (OTC/ Centrally cleared)	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Occidental Petroleum Corp.	0.757%	750,000	USD	\$750,000	1.000%	Quarterly	Jun 2026	\$(20,501)	\$25,747	\$5,246
Centrally cleared	Ford Motor Credit Company LLC	3.416%	800,000	USD	800,000	5.000%	Quarterly	Dec 2026	85,911	(49,656)	36,255
									\$65,410	\$(23,909)	\$41,501

Derivatives Currency Abbreviations

CAD	Canadian Dollar
EUR	Euro
MXN	Mexican Peso
USD	U.S. Dollar

Derivatives Abbreviations

BNP	BNP Paribas
MSCS	Morgan Stanley Capital Services LLC
OTC	Over-the-counter

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

Investment Quality Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 63.7%		
U.S. Government – 26.0%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 4,170,000	\$ 2,344,811
1.875%, 11/15/2051	3,165,000	2,089,147
2.250%, 08/15/2046	3,655,000	2,670,292
2.500%, 02/15/2045 (A)	1,619,000	1,253,460
2.500%, 02/15/2046	648,000	498,783
3.000%, 11/15/2044 to 08/15/2052	11,680,000	9,866,958
3.125%, 08/15/2044 (A)	5,535,000	4,789,721
3.125%, 05/15/2048	3,205,000	2,764,688
3.375%, 08/15/2042 to 05/15/2044	2,490,000	2,249,731
3.625%, 02/15/2053	830,000	796,541
3.750%, 11/15/2043 (A)	2,253,000	2,153,199
3.875%, 02/15/2043 to 05/15/2043	1,375,000	1,341,434
4.000%, 11/15/2052	885,000	909,061
4.375%, 11/15/2039	1,170,000	1,238,738
U.S. Treasury Inflation Protected Securities		
0.125%, 02/15/2052	345,397	228,836
0.250%, 07/15/2029 to 02/15/2050	5,740,064	4,779,981
0.750%, 07/15/2028	2,323,619	2,201,583
U.S. Treasury Notes		
1.625%, 05/15/2031 (A)	6,790,000	5,770,174
1.875%, 02/15/2032	3,110,000	2,663,909
2.750%, 08/15/2032	2,945,000	2,699,852
3.375%, 05/15/2033	1,025,000	988,484
		54,299,383
U.S. Government Agency – 37.7%		
Federal Home Loan Mortgage Corp.		
2.000%, 03/01/2051	2,842,418	2,326,969
2.500%, 01/01/2052 to 05/01/2052	4,170,172	3,536,989
3.000%, 12/01/2046 to 04/01/2048	249,859	223,000
3.500%, 03/01/2048 to 06/01/2048	682,788	630,762
5.000%, 12/01/2034 to 09/01/2052	2,097,452	2,058,795
6.500%, 04/01/2029 to 08/01/2034	4,420	4,580
7.500%, 12/01/2025 to 05/01/2028	1,017	1,034
Federal National Mortgage Association		
2.000%, TBA (B)	3,600,000	3,104,546

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
2.000%, 04/01/2051 to 05/01/2051	\$ 8,513,932	\$ 6,962,954
2.500%, TBA (B)	3,100,000	2,627,128
2.500%, 07/01/2030 to 04/01/2050	1,247,931	1,075,846
2.660%, 03/01/2027	766,099	712,792
3.000%, TBA (B)	3,400,000	2,991,468
3.500%, 06/01/2046 to 05/01/2048	2,505,988	2,316,026
4.000%, TBA (B)	3,700,000	3,471,351
4.500%, TBA (B)	17,875,000	17,176,763
5.000%, 09/01/2052	2,024,621	1,986,319
5.500%, TBA (B)	6,530,000	6,498,620
Government National		
Mortgage Association		
2.000%, TBA (B)	2,600,000	2,183,064
3.000%, TBA (B)	7,500,000	6,700,154
3.500%, TBA (B)	5,400,000	4,982,735
4.000%, TBA (B)	2,600,000	2,458,372
4.000%, 11/15/2040 to 02/15/2042	19,631	18,750
4.500%, TBA (B)	4,600,000	4,438,376
6.000%, 08/15/2032 to 04/15/2035	23,838	24,257
6.500%, 06/15/2028 to 02/15/2035	12,505	12,732
7.000%, 11/15/2031 to 11/15/2033	54,716	55,524
		78,579,906
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS		\$ 132,879,289
FOREIGN GOVERNMENT OBLIGATIONS – 2.8%		
Angola – 0.1%		
Republic of Angola		
8.000%, 11/26/2029	200,000	169,230
Benin – 0.1%		
Republic of Benin		
4.950%, 01/22/2035	EUR 305,000	233,877
Bermuda – 0.2%		
Government of Bermuda		
2.375%, 08/20/2030 (C)	\$ 200,000	166,702

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Bermuda (continued)		
Government of Bermuda (continued)		
5.000%, 07/15/2032 (C)	\$ 200,000	\$ 195,000
		361,702
Brazil – 0.5%		
Federative Republic of Brazil		
10.000%, 01/01/2031	BRL 5,476,000	1,111,401
Chile – 0.1%		
Republic of Chile		
1.250%, 01/22/2051	EUR 165,000	93,607
Colombia – 0.1%		
Republic of Colombia		
5.000%, 06/15/2045	\$ 200,000	138,859
5.625%, 02/26/2044	200,000	148,552
		287,411
Costa Rica – 0.1%		
Republic of Costa Rica		
6.550%, 04/03/2034 (C)	200,000	200,700
Ghana – 0.0%		
Republic of Ghana		
6.375%, 02/11/2027 (C)	200,000	85,561
Hungary – 0.3%		
Republic of Hungary		
1.625%, 04/28/2032	EUR 735,000	607,940
Indonesia – 0.2%		
Republic of Indonesia		
1.100%, 03/12/2033	530,000	427,161
Ivory Coast – 0.1%		
Republic of Ivory Coast		
4.875%, 01/30/2032	225,000	190,702
North Macedonia – 0.2%		
Republic of North Macedonia		
2.750%, 01/18/2025	210,000	217,855
3.675%, 06/03/2026 (C)	265,000	269,988
		487,843
Philippines – 0.2%		
Republic of the Philippines		
1.200%, 04/28/2033	330,000	273,673
1.750%, 04/28/2041	200,000	141,038
		414,711
Romania – 0.5%		
Republic of Romania		
2.625%, 12/02/2040 (C)	335,000	221,737
2.750%, 04/14/2041	485,000	323,472
3.375%, 02/08/2038	170,000	132,960
4.625%, 04/03/2049	317,000	266,325
		944,494
Saudi Arabia – 0.1%		
Kingdom of Saudi Arabia		
2.000%, 07/09/2039	155,000	120,877
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$7,685,885)		\$ 5,737,217
CORPORATE BONDS – 27.4%		
Communication services – 2.4%		
AT&T, Inc.		
2.550%, 12/01/2033	\$ 55,000	43,201
3.550%, 09/15/2055	463,000	324,130
3.800%, 12/01/2057	51,000	36,924
5.400%, 02/15/2034	105,000	105,180
Charter Communications Operating LLC		
3.500%, 03/01/2042	42,000	28,094
5.125%, 07/01/2049	165,000	129,809

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Charter Communications		
Operating LLC (continued)		
5.750%, 04/01/2048	\$ 45,000	\$ 38,518
6.484%, 10/23/2045	160,000	150,419
6.834%, 10/23/2055	40,000	37,709
Comcast Corp.		
3.750%, 04/01/2040	215,000	181,145
Cox Communications, Inc.		
2.600%, 06/15/2031 (C)	130,000	106,111
Discovery Communications LLC		
3.625%, 05/15/2030	65,000	57,017
4.000%, 09/15/2055	246,000	163,505
5.200%, 09/20/2047	93,000	76,114
5.300%, 05/15/2049	247,000	204,681
IHS Holding, Ltd.		
6.250%, 11/29/2028 (C)	200,000	163,108
Lamar Media Corp.		
3.625%, 01/15/2031	315,000	265,388
Meta Platforms, Inc.		
4.800%, 05/15/2030	105,000	105,077
Paramount Global		
4.200%, 06/01/2029 to 05/19/2032	170,000	144,604
4.375%, 03/15/2043	75,000	52,911
4.950%, 01/15/2031 (D)	310,000	279,402
5.250%, 04/01/2044	115,000	87,336
Rogers Communications, Inc.		
3.800%, 03/15/2032 (C)	40,000	34,965
4.550%, 03/15/2052 (C)	115,000	92,486
Sirius XM Radio, Inc.		
4.125%, 07/01/2030 (C)	40,000	32,662
Time Warner Cable LLC		
4.500%, 09/15/2042	455,000	340,336
5.875%, 11/15/2040	65,000	57,340
T-Mobile USA, Inc.		
2.050%, 02/15/2028	150,000	130,063
3.875%, 04/15/2030	115,000	105,946
5.050%, 07/15/2033	125,000	122,737
Verizon Communications, Inc.		
2.355%, 03/15/2032	135,000	108,578
2.550%, 03/21/2031	160,000	133,589
2.650%, 11/20/2040	70,000	48,692
2.850%, 09/03/2041	50,000	35,561
3.850%, 11/01/2042	35,000	28,311
4.272%, 01/15/2036	15,000	13,525
WarnerMedia Holdings, Inc.		
4.279%, 03/15/2032	130,000	115,294
5.050%, 03/15/2042	35,000	29,500
5.141%, 03/15/2052	290,000	236,132
WMG Acquisition Corp.		
3.000%, 02/15/2031 (C)	75,000	60,674
3.750%, 12/01/2029 (C)	85,000	73,480
3.875%, 07/15/2030 (C)	450,000	388,176
		4,968,430
Consumer discretionary – 1.2%		
AutoZone, Inc.		
4.750%, 08/01/2032 to 02/01/2033	115,000	110,805
General Motors Financial Company, Inc.		
3.600%, 06/21/2030	100,000	86,398
Hanesbrands, Inc.		
4.875%, 05/15/2026 (C)	50,000	46,677
Howard University		
2.701%, 10/01/2029	100,000	85,078
2.801%, 10/01/2030	100,000	83,707
3.476%, 10/01/2041	120,000	90,319

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
LKQ Corp.		
5.750%, 06/15/2028 (C)	\$ 85,000	\$ 84,724
O'Reilly Automotive, Inc.		
4.700%, 06/15/2032	205,000	197,452
Service Corp. International		
3.375%, 08/15/2030	335,000	280,161
5.125%, 06/01/2029	507,000	477,706
Taylor Morrison Communities, Inc.		
5.125%, 08/01/2030 (C)	40,000	36,932
5.750%, 01/15/2028 (C)	302,000	292,010
The Gap, Inc.		
3.625%, 10/01/2029 (C)	240,000	169,582
3.875%, 10/01/2031 (C)	440,000	301,188
The William Carter Company		
5.625%, 03/15/2027 (C)	105,000	101,885
		2,444,624
Consumer staples – 0.8%		
Bacardi, Ltd.		
5.400%, 06/15/2033 (C)	100,000	99,116
BAT Capital Corp.		
4.742%, 03/16/2032	90,000	82,058
BAT International Finance PLC		
4.448%, 03/16/2028	40,000	37,756
General Mills, Inc.		
4.950%, 03/29/2033	40,000	39,643
Kenvue, Inc.		
5.050%, 03/22/2053 (C)	100,000	102,064
NBM US Holdings, Inc.		
7.000%, 05/14/2026 (C)	420,000	407,375
Philip Morris International, Inc.		
4.875%, 02/15/2028	315,000	310,187
5.125%, 11/17/2027 to 02/15/2030	380,000	377,799
5.375%, 02/15/2033	140,000	139,692
5.625%, 11/17/2029	95,000	96,799
		1,692,489
Energy – 2.7%		
Aker BP ASA		
6.000%, 06/13/2033 (C)	175,000	175,062
BP Capital Markets America, Inc.		
2.939%, 06/04/2051	120,000	81,889
3.000%, 02/24/2050	20,000	13,938
4.812%, 02/13/2033	230,000	226,657
4.893%, 09/11/2033	130,000	128,658
Cheniere Energy Partners LP		
5.950%, 06/30/2033 (C)	65,000	65,189
ConocoPhillips Company		
4.025%, 03/15/2062	45,000	36,611
Continental Resources, Inc.		
2.875%, 04/01/2032 (C)	50,000	38,415
5.750%, 01/15/2031 (C)	60,000	57,039
Diamondback Energy, Inc.		
6.250%, 03/15/2033 to 03/15/2053	195,000	199,774
Ecopetrol SA		
4.625%, 11/02/2031	460,000	355,112
8.625%, 01/19/2029 (B)	355,000	355,817
Enbridge, Inc.		
5.700%, 03/08/2033	80,000	81,099
Energo-Pro AS		
8.500%, 02/04/2027 (C)	315,000	298,463
Energy Transfer LP		
5.250%, 04/15/2029	130,000	126,911
5.550%, 02/15/2028	55,000	54,845
6.125%, 12/15/2045	35,000	33,252
EQM Midstream Partners LP		
6.500%, 07/01/2027 (C)	15,000	14,794

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
EQT Corp.		
3.625%, 05/15/2031 (C)	\$ 90,000	\$ 77,408
Equinor ASA		
3.625%, 04/06/2040	125,000	104,841
3.700%, 04/06/2050	15,000	12,193
Hess Corp.		
7.125%, 03/15/2033	18,000	19,634
7.300%, 08/15/2031	95,000	104,173
Leviathan Bond, Ltd.		
6.500%, 06/30/2027 (C)	235,000	225,318
Marathon Oil Corp.		
6.600%, 10/01/2037	150,000	149,554
MPLX LP		
2.650%, 08/15/2030	55,000	46,016
4.950%, 09/01/2032 to 03/14/2052	105,000	95,531
ONEOK, Inc.		
3.400%, 09/01/2029	130,000	113,350
4.350%, 03/15/2029	40,000	37,194
5.200%, 07/15/2048	70,000	59,673
6.100%, 11/15/2032	95,000	96,649
Ovintiv, Inc.		
6.250%, 07/15/2033	155,000	152,881
6.500%, 08/15/2034	40,000	40,086
6.625%, 08/15/2037	95,000	93,769
Pioneer Natural Resources Company		
5.100%, 03/29/2026	25,000	24,850
Plains All American Pipeline LP		
3.800%, 09/15/2030	175,000	155,275
4.900%, 02/15/2045	80,000	64,398
Sabine Pass Liquefaction LLC		
4.500%, 05/15/2030	90,000	85,551
Shell International Finance BV		
2.875%, 11/26/2041	55,000	41,109
3.000%, 11/26/2051	70,000	49,310
3.250%, 04/06/2050	75,000	55,791
Targa Resources Corp.		
4.200%, 02/01/2033	100,000	88,514
6.125%, 03/15/2033	75,000	76,634
6.250%, 07/01/2052	110,000	107,524
6.500%, 02/15/2053	25,000	25,531
Targa Resources Partners LP		
4.000%, 01/15/2032	70,000	60,510
4.875%, 02/01/2031	20,000	18,483
The Williams Companies, Inc.		
4.650%, 08/15/2032	145,000	137,317
5.650%, 03/15/2033	85,000	86,126
TransCanada PipeLines, Ltd.		
2.500%, 10/12/2031	90,000	72,588
Transcontinental Gas Pipe Line Company LLC		
3.250%, 05/15/2030	60,000	53,326
Var Energi ASA		
7.500%, 01/15/2028 (C)	250,000	256,933
Viper Energy Partners LP		
5.375%, 11/01/2027 (C)	257,000	246,647
Western Midstream Operating LP		
4.500%, 03/01/2028	35,000	33,005
4.750%, 08/15/2028	15,000	14,237
6.150%, 04/01/2033	115,000	115,907
		5,641,361
Financials – 7.2%		
American Express Company		
5.043%, (5.043% to 5-1-33, then SOFR + 1.835%), 05/01/2034	50,000	48,906

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Aon Corp. 5.350%, 02/28/2033	\$ 75,000	\$ 75,546
Athene Global Funding 2.646%, 10/04/2031 (C)	225,000	170,323
2.717%, 01/07/2029 (C)	355,000	289,098
Bank of America Corp. 1.898%, (1.898% to 7-23-30, then SOFR + 1.530%), 07/23/2031	30,000	23,891
1.922%, (1.922% to 10-24-30, then SOFR + 1.370%), 10/24/2031	80,000	63,326
2.572%, (2.572% to 10-20-31, then SOFR + 1.210%), 10/20/2032	110,000	89,595
2.592%, (2.592% to 4-29-30, then SOFR + 2.150%), 04/29/2031	215,000	180,500
2.687%, (2.687% to 4-22-31, then SOFR + 1.320%), 04/22/2032	600,000	497,248
2.972%, (2.972% to 2-4-32, then SOFR + 1.330%), 02/04/2033	30,000	25,009
3.194%, (3.194% to 7-23-29, then 3 month CME Term SOFR + 1.442%), 07/23/2030	320,000	282,050
4.376%, (4.376% to 4-27-27, then SOFR + 1.580%), 04/27/2028	285,000	273,596
5.202%, (5.202% to 4-25-28, then SOFR + 1.630%), 04/25/2029	195,000	192,869
Bank of Ireland Group PLC 6.253%, (6.253% to 9-16-25, then 1 Year CMT + 2.650%), 09/16/2026 (C)	345,000	342,282
Barclays PLC 6.224%, (6.224% to 5-9-33, then SOFR + 2.980%), 05/09/2034	200,000	199,207
7.119%, (7.119% to 6-27-33, then SOFR + 3.570%), 06/27/2034	200,000	199,920
7.385%, (7.385% to 11-2-27, then 1 Year CMT + 3.300%), 11/02/2028	200,000	208,321
BNP Paribas SA 2.219%, (2.219% to 6-9-25, then SOFR + 2.074%), 06/09/2026 (C)	240,000	221,955
5.125%, (5.125% to 1-13-28, then 1 Year CMT + 1.450%), 01/13/2029 (C)	255,000	249,520
Capital One Financial Corp. 1.878%, (1.878% to 11-2-26, then SOFR + 0.855%), 11/02/2027	80,000	68,530
3.273%, (3.273% to 3-1-29, then SOFR + 1.790%), 03/01/2030	55,000	46,699
5.247%, (5.247% to 7-26-29, then SOFR + 2.600%), 07/26/2030	260,000	245,104
5.468%, (5.468% to 2-1-28, then SOFR + 2.080%), 02/01/2029	75,000	71,847
5.817%, (5.817% to 2-1-33, then SOFR + 2.600%), 02/01/2034	60,000	57,244
6.312%, (6.312% to 6-8-28, then SOFR + 2.640%), 06/08/2029	50,000	49,663
6.377%, (6.377% to 6-8-33, then SOFR + 2.860%), 06/08/2034	45,000	44,678
Citigroup, Inc. 6.174%, (6.174% to 5-25-33, then SOFR + 2.661%), 05/25/2034	190,000	191,655
Corebridge Financial, Inc. 3.850%, 04/05/2029	75,000	67,449
6.875%, (6.875% to 9-15-27, then 5 Year CMT + 3.846%), 12/15/2052	240,000	230,038
Danske Bank A/S 5.375%, 01/12/2024 (C)	235,000	233,612

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Deutsche Bank AG 2.129%, (2.129% to 11-24-25, then SOFR + 1.870%), 11/24/2026	\$ 220,000	\$ 195,739
2.311%, (2.311% to 11-16-26, then SOFR + 1.219%), 11/16/2027	180,000	154,681
7.079%, (7.079% to 11-10-32, then SOFR + 3.650%), 02/10/2034	200,000	185,007
Equitable Financial Life Global Funding 1.800%, 03/08/2028 (C)	315,000	265,658
FirstCash, Inc. 4.625%, 09/01/2028 (C)	250,000	223,301
5.625%, 01/01/2030 (C)	220,000	198,841
GTP Acquisition Partners I LLC 3.482%, 06/16/2025 (C)	730,000	696,985
HSBC Holdings PLC 2.206%, (2.206% to 8-17-28, then SOFR + 1.285%), 08/17/2029	200,000	167,313
5.402%, (5.402% to 8-11-32, then SOFR + 2.870%), 08/11/2033	570,000	557,269
6.161%, (6.161% to 3-9-28, then SOFR + 1.970%), 03/09/2029	200,000	201,702
6.332%, (6.332% to 3-9-43, then SOFR + 2.650%), 03/09/2044	200,000	207,323
6.547%, (6.547% to 6-20-33, then SOFR + 2.980%), 06/20/2034	210,000	209,185
Intercontinental Exchange, Inc. 4.350%, 06/15/2029	55,000	53,792
Intesa Sanpaolo SpA 6.625%, 06/20/2033 (C)	200,000	199,266
JPMorgan Chase & Co. 2.545%, (2.545% to 11-8-31, then SOFR + 1.180%), 11/08/2032	115,000	94,222
3.509%, (3.509% to 1-23-28, then 3 month CME Term SOFR + 0.945%), 01/23/2029	285,000	263,447
3.702%, (3.702% to 5-6-29, then 3 month CME Term SOFR + 1.422%), 05/06/2030	105,000	96,225
4.005%, (4.005% to 4-23-28, then 3 month CME Term SOFR + 1.382%), 04/23/2029	315,000	296,558
M&T Bank Corp. 5.053%, (5.053% to 1-27-33, then SOFR + 1.850%), 01/27/2034	525,000	479,492
Marsh & McLennan Companies, Inc. 4.750%, 03/15/2039	120,000	113,085
Morgan Stanley 1.794%, (1.794% to 2-13-31, then SOFR + 1.034%), 02/13/2032	270,000	209,438
1.928%, (1.928% to 4-28-31, then SOFR + 1.020%), 04/28/2032	200,000	156,126
2.239%, (2.239% to 7-21-31, then SOFR + 1.178%), 07/21/2032	245,000	194,723
4.210%, (4.210% to 4-20-27, then SOFR + 1.610%), 04/20/2028	155,000	148,900
5.164%, (5.164% to 4-20-28, then SOFR + 1.590%), 04/20/2029	230,000	227,191
MSCI, Inc. 3.625%, 11/01/2031 (C)	192,000	163,905
3.875%, 02/15/2031 (C)	63,000	54,591
4.000%, 11/15/2029 (C)	90,000	81,452
Nasdaq, Inc. 5.350%, 06/28/2028	70,000	70,101
5.550%, 02/15/2034	65,000	65,256
6.100%, 06/28/2063	25,000	25,564

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
National Rural Utilities Cooperative Finance Corp.		
4.800%, 03/15/2028	\$ 50,000	\$ 49,431
5.800%, 01/15/2033	100,000	104,561
OneMain Finance Corp.		
6.125%, 03/15/2024	75,000	74,744
Societe Generale SA		
6.221%, (6.221% to 6-15-32, then 1 Year CMT + 3.200%), 06/15/2033 (C)	565,000	525,972
Standard Chartered PLC		
7.767%, (7.767% to 11-16-27, then 1 Year CMT + 3.450%), 11/16/2028 (C)	200,000	212,170
Synchrony Financial		
2.875%, 10/28/2031	75,000	54,536
7.250%, 02/02/2033	125,000	112,572
The Goldman Sachs Group, Inc.		
2.383%, (2.383% to 7-21-31, then SOFR + 1.248%), 07/21/2032	325,000	260,325
2.615%, (2.615% to 4-22-31, then SOFR + 1.281%), 04/22/2032	340,000	278,841
4.223%, (4.223% to 5-1-28, then 3 month CME Term SOFR + 1.563%), 05/01/2029	235,000	221,955
4.482%, (4.482% to 8-23-27, then SOFR + 1.725%), 08/23/2028	65,000	62,843
UBS Group AG		
6.442%, (6.442% to 8-11-27, then SOFR + 3.700%), 08/11/2028 (C)	250,000	250,925
6.537%, (6.537% to 8-12-32, then SOFR + 3.920%), 08/12/2033 (C)	520,000	532,694
Unum Group		
4.500%, 12/15/2049	100,000	76,751
Wells Fargo & Company		
2.572%, (2.572% to 2-11-30, then 3 month CME Term SOFR + 1.262%), 02/11/2031	190,000	160,871
2.879%, (2.879% to 10-30-29, then 3 month CME Term SOFR + 1.432%), 10/30/2030	25,000	21,592
3.000%, 10/23/2026	35,000	32,489
3.350%, (3.350% to 3-2-32, then SOFR + 1.500%), 03/02/2033	205,000	175,450
3.908%, (3.908% to 4-25-25, then SOFR + 1.320%), 04/25/2026	115,000	111,180
4.808%, (4.808% to 7-25-27, then SOFR + 1.980%), 07/25/2028	180,000	175,936
4.897%, (4.897% to 7-25-32, then SOFR + 2.100%), 07/25/2033	110,000	105,513
5.389%, (5.389% to 4-24-33, then SOFR + 2.020%), 04/24/2034	75,000	74,521
Willis North America, Inc.		
3.600%, 05/15/2024	115,000	112,205
		14,984,096
Health care – 2.0%		
Alcon Finance Corp.		
5.375%, 12/06/2032 (C)	200,000	202,664
Amgen, Inc.		
5.250%, 03/02/2030 to 03/02/2033	380,000	380,521
5.750%, 03/02/2063	105,000	106,516
Avantor Funding, Inc.		
4.625%, 07/15/2028 (C)	375,000	347,596
Centene Corp.		
2.450%, 07/15/2028	100,000	85,476
3.375%, 02/15/2030	5,000	4,297
4.250%, 12/15/2027	50,000	46,748

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Centene Corp. (continued)		
4.625%, 12/15/2029	\$ 585,000	\$ 538,456
CommonSpirit Health		
3.347%, 10/01/2029	60,000	52,785
CSL Finance PLC		
4.050%, 04/27/2029 (C)	155,000	147,068
CVS Health Corp.		
4.125%, 04/01/2040	85,000	71,632
5.125%, 02/21/2030	140,000	139,033
5.250%, 01/30/2031	60,000	59,812
GE HealthCare Technologies, Inc.		
5.857%, 03/15/2030	100,000	102,633
5.905%, 11/22/2032	100,000	104,618
Haleon US Capital LLC		
3.375%, 03/24/2029	250,000	227,155
Humana, Inc.		
3.700%, 03/23/2029	250,000	228,969
5.875%, 03/01/2033	35,000	36,372
Kaiser Foundation Hospitals		
2.810%, 06/01/2041	45,000	33,056
3.002%, 06/01/2051	110,000	77,005
Royalty Pharma PLC		
2.150%, 09/02/2031	315,000	246,920
2.200%, 09/02/2030	85,000	68,330
3.300%, 09/02/2040	25,000	17,799
Sutter Health		
3.361%, 08/15/2050	20,000	14,354
The Cigna Group		
5.400%, 03/15/2033	110,000	111,940
UnitedHealth Group, Inc.		
2.750%, 05/15/2040	110,000	81,716
3.500%, 08/15/2039	70,000	58,711
4.000%, 05/15/2029	140,000	133,792
4.950%, 05/15/2062	30,000	28,841
5.250%, 02/15/2028	85,000	86,660
5.350%, 02/15/2033	170,000	176,648
5.875%, 02/15/2053	20,000	22,215
6.050%, 02/15/2063	30,000	33,923
		4,074,261
Industrials – 2.1%		
Ashtead Capital, Inc.		
4.375%, 08/15/2027 (C)	605,000	568,795
5.500%, 08/11/2032 (C)	200,000	193,373
Booz Allen Hamilton, Inc.		
3.875%, 09/01/2028 (C)	420,000	379,873
Builders FirstSource, Inc.		
5.000%, 03/01/2030 (C)	225,000	210,378
Clean Harbors, Inc.		
4.875%, 07/15/2027 (C)	620,000	593,667
DAE Funding LLC		
1.550%, 08/01/2024 (C)	435,000	412,914
International Airport Finance SA		
12.000%, 03/15/2033 (C)	320,972	295,294
Northrop Grumman Corp.		
5.150%, 05/01/2040	95,000	93,510
Otis Worldwide Corp.		
2.565%, 02/15/2030	120,000	103,456
Penske Truck Leasing Company LP		
2.700%, 11/01/2024 (C)	205,000	195,605
4.000%, 07/15/2025 (C)	170,000	162,613
4.400%, 07/01/2027 (C)	140,000	132,140
Raytheon Technologies Corp.		
5.150%, 02/27/2033	70,000	70,957
5.375%, 02/27/2053	25,000	25,960

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Regal Rexnord Corp.		
6.050%, 04/15/2028 (C)	\$ 310,000	\$ 307,739
6.300%, 02/15/2030 (C)	120,000	119,645
SS&C Technologies, Inc.		
5.500%, 09/30/2027 (C)	262,000	250,820
The Boeing Company		
5.040%, 05/01/2027	80,000	79,021
5.150%, 05/01/2030	170,000	168,360
United Rentals North America, Inc.		
4.000%, 07/15/2030	35,000	30,997
5.500%, 05/15/2027	32,000	31,494
		4,426,611
Information technology – 2.5%		
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (C)	699,000	625,605
Broadcom, Inc.		
3.137%, 11/15/2035 (C)	145,000	111,222
3.469%, 04/15/2034 (C)	26,000	21,328
4.000%, 04/15/2029 (C)	210,000	193,957
CDW LLC		
2.670%, 12/01/2026	60,000	53,873
3.250%, 02/15/2029	340,000	291,324
3.569%, 12/01/2031	50,000	42,191
4.125%, 05/01/2025	230,000	221,481
Fair Isaac Corp.		
4.000%, 06/15/2028 (C)	386,000	354,119
Gartner, Inc.		
4.500%, 07/01/2028 (C)	193,000	180,303
Gen Digital, Inc.		
5.000%, 04/15/2025 (C)	530,000	519,059
6.750%, 09/30/2027 (C)	70,000	69,803
Go Daddy Operating Company LLC		
3.500%, 03/01/2029 (C)	55,000	47,126
5.250%, 12/01/2027 (C)	454,000	431,300
Intel Corp.		
3.100%, 02/15/2060	100,000	63,956
4.900%, 08/05/2052	80,000	73,838
5.125%, 02/10/2030	50,000	50,307
5.700%, 02/10/2053	45,000	45,778
5.900%, 02/10/2063	80,000	82,618
Marvell Technology, Inc.		
2.450%, 04/15/2028	175,000	152,789
2.950%, 04/15/2031	60,000	50,296
Nokia OYJ		
4.375%, 06/12/2027	130,000	122,448
NVIDIA Corp.		
3.500%, 04/01/2040	110,000	94,170
NXP BV		
4.300%, 06/18/2029	25,000	23,561
5.550%, 12/01/2028	95,000	95,589
Open Text Corp.		
3.875%, 12/01/2029 (C)	355,000	296,731
6.900%, 12/01/2027 (C)	250,000	254,508
Open Text Holdings, Inc.		
4.125%, 12/01/2031 (C)	60,000	49,183
Oracle Corp.		
2.950%, 04/01/2030	10,000	8,729
3.850%, 04/01/2060	380,000	267,821
4.100%, 03/25/2061	95,000	70,101
6.150%, 11/09/2029	170,000	177,066
Qorvo, Inc.		
3.375%, 04/01/2031 (C)	120,000	96,742
		5,238,922

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials – 1.1%		
Anglo American Capital PLC		
2.625%, 09/10/2030 (C)	\$ 200,000	\$ 164,976
ArcelorMittal SA		
6.800%, 11/29/2032	205,000	210,465
Ball Corp.		
4.000%, 11/15/2023	105,000	104,213
6.000%, 06/15/2029	735,000	729,488
Celanese US Holdings LLC		
6.165%, 07/15/2027	190,000	189,017
FS Luxembourg Sarl		
10.000%, 12/15/2025 (C)	200,000	204,959
Glencore Funding LLC		
5.700%, 05/08/2033 (C)	125,000	124,022
Standard Industries, Inc.		
3.375%, 01/15/2031 (C)	10,000	8,050
4.375%, 07/15/2030 (C)	410,000	355,100
Vale Overseas, Ltd.		
6.125%, 06/12/2033	170,000	170,304
		2,260,594
Real estate – 1.0%		
American Tower Corp.		
2.700%, 04/15/2031	30,000	24,877
3.650%, 03/15/2027	135,000	126,380
American Tower Trust I		
5.490%, 03/15/2028 (C)	440,000	440,356
Crown Castle, Inc.		
2.900%, 03/15/2027	110,000	100,656
3.800%, 02/15/2028	5,000	4,660
4.800%, 09/01/2028	330,000	320,112
5.000%, 01/11/2028	55,000	53,975
EPR Properties		
4.950%, 04/15/2028	190,000	169,737
GLP Capital LP		
4.000%, 01/15/2031	85,000	73,488
5.300%, 01/15/2029	130,000	123,780
5.750%, 06/01/2028	130,000	127,188
SBA Tower Trust		
2.836%, 01/15/2025 (C)	300,000	284,854
VICI Properties LP		
4.950%, 02/15/2030	287,000	269,229
5.125%, 05/15/2032	60,000	56,139
		2,175,431
Utilities – 4.4%		
Alabama Power Company		
3.450%, 10/01/2049	120,000	87,748
4.150%, 08/15/2044	105,000	87,511
Berkshire Hathaway Energy Company		
4.600%, 05/01/2053	135,000	115,665
Cleco Corporate Holdings LLC		
3.375%, 09/15/2029	140,000	118,743
4.973%, 05/01/2046	5,000	4,206
Consolidated Edison Company of New York, Inc.		
3.200%, 12/01/2051	120,000	83,177
Dominion Energy, Inc.		
3.375%, 04/01/2030	20,000	17,889
5.375%, 11/15/2032	465,000	466,592
6.300%, 03/15/2033	5,000	5,307
Duke Energy Corp.		
2.550%, 06/15/2031	425,000	350,191
4.500%, 08/15/2032	140,000	131,990
5.000%, 08/15/2052	40,000	36,565
Duke Energy Indiana LLC		
2.750%, 04/01/2050	80,000	51,090
3.250%, 10/01/2049	105,000	75,081

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Duke Energy Ohio, Inc. 5.250%, 04/01/2033	\$ 5,000	\$ 5,036
Duke Energy Progress LLC 3.700%, 10/15/2046	125,000	97,061
4.000%, 04/01/2052	65,000	52,623
Edison International 5.250%, 11/15/2028	60,000	58,385
6.950%, 11/15/2029	240,000	252,450
Electricite de France SA 6.250%, 05/23/2033 (C)	200,000	203,316
Emera, Inc. 6.750%, (6.750% to 6-15-26, then 3 month LIBOR + 5.440% to 6-15-46, then 3 month LIBOR + 6.190%), 06/15/2076	260,000	251,415
Enel Finance International NV 5.000%, 06/15/2032 (C)	200,000	189,059
Evergy, Inc. 2.450%, 09/15/2024	15,000	14,369
2.900%, 09/15/2029 (D)	175,000	152,703
Eversource Energy 5.125%, 05/15/2033	260,000	256,230
5.450%, 03/01/2028	45,000	45,302
Florida Power & Light Company 5.100%, 04/01/2033	55,000	55,810
Georgia Power Company 4.300%, 03/15/2042	75,000	64,642
4.700%, 05/15/2032	65,000	62,829
4.950%, 05/17/2033	40,000	39,484
Greenko Wind Projects Mauritius, Ltd. 5.500%, 04/06/2025	200,000	191,176
Greensaif Pipelines Bidco Sarl 6.129%, 02/23/2038 (C)	200,000	204,284
6.510%, 02/23/2042 (C)	200,000	207,908
IPALCO Enterprises, Inc. 3.700%, 09/01/2024	175,000	169,193
Kentucky Utilities Company 5.450%, 04/15/2033	80,000	81,472
KeySpan Gas East Corp. 5.994%, 03/06/2033 (C)	130,000	131,009
Louisville Gas and Electric Company 5.450%, 04/15/2033	80,000	81,466
National Grid PLC 5.602%, 06/12/2028	35,000	35,147
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	55,000	45,745
4.625%, 07/15/2027	300,000	293,342
5.000%, 02/28/2030 to 07/15/2032	175,000	172,708
6.051%, 03/01/2025	25,000	25,094
NiSource, Inc. 3.490%, 05/15/2027	155,000	145,832
3.600%, 05/01/2030	80,000	72,046
5.250%, 03/30/2028	80,000	79,937
5.400%, 06/30/2033	250,000	250,167
NRG Energy, Inc. 2.450%, 12/02/2027 (C)	190,000	160,115
Oglethorpe Power Corp. 4.500%, 04/01/2047	80,000	66,084
Pacific Gas & Electric Company 2.500%, 02/01/2031	430,000	336,640
3.500%, 08/01/2050	55,000	34,986
4.400%, 03/01/2032	40,000	34,639
4.550%, 07/01/2030	165,000	149,329
4.950%, 07/01/2050	363,000	285,104
5.250%, 03/01/2052	62,000	50,352

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Pacific Gas & Electric Company (continued) 5.900%, 06/15/2032	\$ 195,000	\$ 187,669
6.100%, 01/15/2029	80,000	78,713
6.150%, 01/15/2033	175,000	171,159
6.400%, 06/15/2033	345,000	343,111
Piedmont Natural Gas Company, Inc. 5.400%, 06/15/2033	70,000	69,836
PPL Capital Funding, Inc. 4.125%, 04/15/2030	40,000	37,065
Puget Energy, Inc. 3.650%, 05/15/2025	180,000	172,081
4.100%, 06/15/2030	60,000	54,630
Sempra Energy 3.400%, 02/01/2028	200,000	184,080
5.400%, 08/01/2026	125,000	124,389
Southern California Edison Company 2.850%, 08/01/2029 (D)	135,000	117,942
5.300%, 03/01/2028	65,000	64,993
5.850%, 11/01/2027	20,000	20,452
Southern California Gas Company 5.200%, 06/01/2033	110,000	108,540
Southwestern Electric Power Company 5.300%, 04/01/2033	150,000	148,050
The AES Corp. 3.300%, 07/15/2025 (C)	175,000	165,259
The Southern Company 5.200%, 06/15/2033	215,000	213,250
Virginia Electric & Power Company 5.000%, 04/01/2033	130,000	128,482
Xcel Energy, Inc. 4.600%, 06/01/2032	85,000	80,266
		9,206,211
TOTAL CORPORATE BONDS (Cost \$60,989,290)		\$ 57,113,030
MUNICIPAL BONDS – 1.8%		
Chicago Board of Education (Illinois), GO 6.038%, 12/01/2029	30,000	29,630
6.138%, 12/01/2039	155,000	146,385
6.319%, 11/01/2029	185,000	184,640
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	90,000	78,756
County of Riverside (California) 3.070%, 02/15/2028	600,000	554,810
Metropolitan Transportation Authority (New York) 4.750%, 11/15/2045	255,000	259,531
5.175%, 11/15/2049	705,000	642,130
Municipal Electric Authority of Georgia 6.637%, 04/01/2057	89,000	101,580
New York Transportation Development Corp. 4.248%, 09/01/2035	640,000	622,662
Philadelphia Authority for Industrial Development (Pennsylvania) 6.550%, 10/15/2028	675,000	712,935
State Board of Administration Finance Corp. (Florida) 1.258%, 07/01/2025	510,000	470,861
TOTAL MUNICIPAL BONDS (Cost \$4,144,901)		\$ 3,803,920

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS – 13.8%		
Commercial and residential – 10.7%		
Alternative Loan Trust		
Series 2005-27, Class 2A1 (12 month Treasury Average Index + 1.350%), 5.326%, 08/25/2035 (E)	\$ 104,325	\$ 82,582
Series 2005-56, Class 5A1 (1 month LIBOR + 0.640%), 5.790%, 11/25/2035 (E)	53,102	42,419
Series 2005-72, Class A1 (1 month LIBOR + 0.540%), 5.690%, 01/25/2036 (E)	14,284	12,780
Series 2005-7CB, Class 2A8 (1 month LIBOR + 0.450%), 5.500%, 03/01/2038 (E)	91,295	68,410
Series 2006-9T1, Class A1, 5.750%, 05/25/2036	63,795	26,956
American Home Mortgage Assets Trust		
Series 2006-3, Class 2A11 (12 month Treasury Average Index + 0.940%), 4.916%, 10/25/2046 (E)	31,706	22,100
Series 2007-2, Class A1 (1 month LIBOR + 0.125%), 5.275%, 03/25/2047 (E)	11,908	10,526
Angel Oak Mortgage Trust LLC		
Series 2020-R1, Class A1, 0.990%, 04/25/2053 (C)(F)	120,180	107,656
Series 2021-2, Class A1, 0.985%, 04/25/2066 (C)(F)	137,089	111,614
Series 2021-4, Class A2, 1.241%, 01/20/2065 (C)(F)	133,115	105,478
Series 2021-5, Class A1, 0.951%, 07/25/2066 (C)(F)	327,333	265,721
Series 2021-6, Class A1, 1.458%, 09/25/2066 (C)(F)	481,785	381,463
Series 2021-8, Class A1, 1.820%, 11/25/2066 (C)(F)	237,147	197,296
Arroyo Mortgage Trust		
Series 2019-2, Class A1 3.347%, 04/25/2049 (C)(F)	173,029	159,609
BANK		
Series 2017-BNK8, Class XA IO, 0.848%, 11/15/2050	3,691,109	91,813
Series 2019-BN18, Class XA IO, 1.034%, 05/15/2062	1,402,644	56,592
Series 2019-BN20, Class XA IO, 0.936%, 09/15/2062	2,214,143	86,370
Series 2019-BN22, Class XA IO, 0.709%, 11/15/2062	2,424,007	73,030
Series 2019-BN23, Class XA IO, 0.807%, 12/15/2052	1,914,547	66,634
Series 2019-BN24, Class XA IO, 0.755%, 11/15/2062	1,175,427	38,898
Series 2020-BN28, Class XA IO, 1.878%, 03/15/2063	2,540,182	238,901
Series 2021-BN31, Class A4, 2.036%, 02/15/2054	285,000	226,781
Series 2023-BNK45, Class XA, 1.204%, 02/15/2056	998,574	66,733
BBCMS Mortgage Trust		
Series 2017-C1, Class XA IO, 1.624%, 02/15/2050	2,869,174	119,570
Series 2022-C15, Class A5, 3.662%, 04/15/2055 (F)	110,000	97,183
Series 2022-C16, Class A5, 4.600%, 06/15/2055 (F)	120,000	113,840

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
BBCMS Mortgage Trust (continued)		
Series 2022-C18, Class A4, 5.439%, 12/15/2055 (F)	\$ 150,000	\$ 152,397
Series 2022-C18, Class A5, 5.710%, 12/15/2055 (F)	50,000	51,816
BCAP LLC Trust		
Series 2006-AA2, Class A1 (1 month LIBOR + 0.340%), 5.490%, 01/25/2037 (E)	78,551	71,971
Bear Stearns ALT-A Trust		
Series 2005-10, Class 11A1 (1 month LIBOR + 0.500%), 5.650%, 01/25/2036 (E)	17,482	15,479
Bear Stearns Mortgage Funding Trust		
Series 2006-AR3, Class 1A1 (1 month LIBOR + 0.180%), 5.330%, 10/25/2036 (E)	6,666	5,617
Benchmark Mortgage Trust		
Series 2018-B1, Class XA IO, 0.679%, 01/15/2051	962,882	17,641
Series 2018-B4, Class XA IO, 0.656%, 07/15/2051	2,176,216	35,079
Series 2018-B8, Class XA IO, 0.781%, 01/15/2052	4,440,528	109,530
Series 2019-B10, Class XA IO, 1.357%, 03/15/2062	3,020,000	149,051
Series 2019-B12, Class XA IO, 1.162%, 08/15/2052	1,051,729	39,866
Series 2020-B18, Class XA IO, 1.913%, 07/15/2053	696,225	50,231
Series 2020-B22, Class XA IO, 1.628%, 01/15/2054	1,159,852	98,123
BINOM Securitization Trust		
Series 2021-INV1, Class A1 2.034%, 06/25/2056 (C)(F)	160,269	135,946
BPR Trust		
Series 2022-STAR, Class A (1 month CME Term SOFR + 3.232%), 8.379%, 08/15/2024 (C)(E)	275,000	272,572
BRAVO Residential Funding Trust		
Series 2021-NQM1, Class A1, 0.941%, 02/25/2049 (C)(F)	91,976	79,884
Series 2021-NQM2, Class A1, 0.970%, 03/25/2060 (C)(F)	79,158	73,249
BX Commercial Mortgage Trust		
Series 2019-XL, Class A (1 month CME Term SOFR + 1.034%), 6.181%, 10/15/2036 (C)(E)	482,314	479,314
BX Trust		
Series 2022-PSB, Class A (1 month CME Term SOFR + 2.451%), 7.598%, 08/15/2039 (C)(E)	249,933	249,239
CAMB Commercial Mortgage Trust		
Series 2019-LIFE, Class F (1 month LIBOR + 2.550%), 7.743%, 12/15/2037 (C)(E)	355,000	341,979
Chase Mortgage Finance Trust		
Series 2005-S3, Class A10 5.500%, 11/25/2035	92,355	69,001
CHL Mortgage Pass-Through Trust		
Series 2005-2, Class 2A3 (1 month LIBOR + 0.680%), 5.830%, 03/25/2035 (E)	22,768	20,609

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
CHL Mortgage		
Pass-Through Trust (continued)		
Series 2007-HY4, Class 1A1, 3.611%, 09/25/2047 (F)	\$ 53,742	\$ 47,110
Citigroup Commercial Mortgage Trust		
Series 2014-GC23, Class XA IO, 1.049%, 07/10/2047	1,633,716	11,161
Series 2015-GC29, Class XA IO, 1.153%, 04/10/2048	1,556,429	21,906
Series 2016-C3, Class C, 4.201%, 11/15/2049 (F)	288,000	229,308
COLT Mortgage Loan Trust		
Series 2021-3, Class A1 0.956%, 09/27/2066 (C)(F)	389,301	301,008
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2014-CR16, Class A4, 4.051%, 04/10/2047	480,000	470,417
Series 2014-CR17, Class A5, 3.977%, 05/10/2047	390,000	381,162
Commercial Mortgage Trust (Deutsche Bank AG)		
Series 2013-300P, Class A1, 4.353%, 08/10/2030 (C)	260,000	237,250
Series 2015-3BP, Class A, 3.178%, 02/10/2035 (C)	580,000	538,276
Series 2022-HC, Class A, 2.819%, 01/10/2039 (C)	100,000	82,844
Series 2022-HC, Class D, 4.084%, 01/10/2039 (C)(F)	100,000	74,712
Credit Suisse Mortgage Capital Certificates		
Series 2017-FHA1, Class A1, 3.250%, 04/25/2047 (C)(F)	155,596	138,162
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (C)(F)	282,945	234,675
Series 2021-NQM8, Class A1, 1.841%, 10/25/2066 (C)(F)	245,520	201,591
Series 2021-RPL4, Class A1, 1.796%, 12/27/2060 (C)(F)	142,981	131,812
Series 2022-NQM1, Class A1, 2.265%, 11/25/2066 (C)(F)	595,372	503,732
CSAIL Commercial Mortgage Trust		
Series 2015-C1, Class A4, 3.505%, 04/15/2050	15,000	14,306
Series 2015-C2, Class XA IO, 0.852%, 06/15/2057	4,554,698	42,249
Series 2016-C6, Class XA IO, 2.023%, 01/15/2049	1,031,964	40,301
DBJPM Mortgage Trust		
Series 2020-C9, Class XA IO 1.824%, 09/15/2053	527,023	33,386
Deephaven Residential Mortgage Trust		
Series 2021-2, Class A1 0.899%, 04/25/2066 (C)(F)	91,820	77,329
Deutsche Alt-A Securities Mortgage Loan Trust		
Series 2007-AR2, Class A1 (1 month LIBOR + 0.300%) 5.450%, 03/25/2037 (E)	36,739	34,497
Ellington Financial Mortgage Trust		
Series 2021-2, Class A1, 0.931%, 06/25/2066 (C)(F)	91,612	72,453

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Ellington Financial		
Mortgage Trust (continued)		
Series 2022-1, Class A1, 2.206%, 01/25/2067 (C)(F)	\$ 274,452	\$ 228,096
GCAT Trust		
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (C)(F)	191,733	153,973
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (C)(F)	249,878	201,067
Series 2021-NQM7, Class A1, 1.915%, 08/25/2066 (C)(F)	181,281	154,507
GMACM Mortgage Loan Trust		
Series 2006-AR1, Class 1A1 3.281%, 04/19/2036 (F)	94,659	73,626
GS Mortgage Securities Trust		
Series 2014-GC20, Class A5, 3.998%, 04/10/2047	395,000	389,206
Series 2022-SHIP, Class A (1 month CME Term SOFR + 0.731%), 5.878%, 08/15/2036 (C)(E)	45,000	44,691
GSR Mortgage Loan Trust		
Series 2006-AR1, Class 2A1, 3.935%, 01/25/2036 (F)	3,046	2,974
Series 2007-1F, Class 4A1 (1 month LIBOR + 0.300%), 5.450%, 01/25/2037 (E)	75,833	17,975
HarborView Mortgage Loan Trust		
Series 2005-8, Class 1A2A (1 month LIBOR + 0.660%), 5.817%, 09/19/2035 (E)	20,164	14,423
Series 2006-12, Class 2A13 (1 month LIBOR + 0.480%), 5.637%, 12/19/2036 (E)	118,541	116,295
Series 2006-12, Class 2A2A (1 month LIBOR + 0.380%), 5.537%, 01/19/2038 (E)	42,937	39,563
Series 2007-7, Class 2A1B (1 month LIBOR + 2.000%), 6.150%, 10/25/2037 (E)	45,420	38,516
Imperial Fund Mortgage Trust		
Series 2021-NQM2, Class A1, 1.073%, 09/25/2056 (C)(F)	195,152	154,036
Series 2022-NQM2, Class A1 (3.638% to 3-25-26, then 4.638% thereafter), 3.638%, 03/25/2067 (C)	576,515	517,391
IndyMac INDA Mortgage Loan Trust		
Series 2006-AR3, Class 1A1 3.677%, 12/25/2036 (F)	31,190	26,477
JPMBB Commercial Mortgage Securities Trust		
Series 2014-C19, Class A4 3.997%, 04/15/2047	299,582	294,431
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2020-NNN, Class AFX 2.812%, 01/16/2037 (C)	160,000	144,829
JPMorgan Mortgage Trust		
Series 2006-A3, Class 3A2 3.927%, 05/25/2036 (F)	6,606	5,363
Legacy Mortgage Asset Trust		
Series 2019-GS7, Class A1 (6.250% to 10-25-23, then 7.250% thereafter), 6.250%, 11/25/2059 (C)	363,231	360,221

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Legacy Mortgage Asset Trust (continued)		
Series 2021-GS2, Class A1 (1.750% to 4-25-24, then 4.750% to 4-25-25, then 5.750% thereafter), 1.750%, 04/25/2061 (C)	\$ 142,873	\$ 132,133
Series 2021-GS3, Class A1 (1.750% to 5-25-24, then 4.750% to 5-25-25, then 5.750% thereafter), 1.750%, 07/25/2061 (C)	188,323	176,164
Series 2021-GS4, Class A1 (1.650% to 8-25-24, then 4.650% to 8-25-25, then 5.650% thereafter), 1.650%, 11/25/2060 (C)	96,072	87,231
Lehman XS Trust		
Series 2006-16N, Class A4A (1 month LIBOR + 0.380%) 5.530%, 11/25/2046 (E)	103,186	89,270
LSTAR Securities Investment Trust		
Series 2021-1, Class A (1 month LIBOR + 2.800%) 8.005%, 02/01/2026 (C)(E)	236,193	233,115
Luminant Mortgage Trust		
Series 2006-4, Class A1A (1 month LIBOR + 0.380%) 5.530%, 05/25/2046 (E)	94,185	78,325
MASTR Adjustable Rate Mortgages Trust		
Series 2004-13, Class 3A7 4.560%, 11/21/2034 (F)	11,559	10,879
MFA Trust		
Series 2020-NQM3, Class A1, 1.014%, 01/26/2065 (C)(F)	26,620	23,702
Series 2021-NQM1, Class A1, 1.153%, 04/25/2065 (C)(F)	117,573	102,026
Series 2021-NQM2, Class A1, 1.029%, 11/25/2064 (C)(F)	144,068	119,093
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2014-C19, Class XA IO 1.100%, 12/15/2047	924,112	7,959
Morgan Stanley Capital I Trust		
Series 2014-150E, Class A, 3.912%, 09/09/2032 (C)	610,000	490,820
Series 2017-H1, Class XA IO, 1.480%, 06/15/2050	672,268	21,917
New Residential Mortgage Loan Trust		
Series 2016-2A, Class A1, 3.750%, 11/26/2035 (C)(F)	153,406	142,953
Series 2016-4A, Class A1, 3.750%, 11/25/2056 (C)(F)	177,471	161,338
Series 2017-1A, Class A1, 4.000%, 02/25/2057 (C)(F)	308,029	287,082
Series 2017-2A, Class A3, 4.000%, 03/25/2057 (C)(F)	283,261	263,716
Series 2017-3A, Class A1, 4.000%, 04/25/2057 (C)(F)	223,968	210,629
Series 2017-4A, Class A1, 4.000%, 05/25/2057 (C)(F)	155,151	141,768
Series 2017-5A, Class A1 (1 month LIBOR + 1.500%), 6.650%, 06/25/2057 (C)(E)	144,402	143,019
Series 2017-6A, Class A1, 4.000%, 08/27/2057 (C)(F)	270,903	249,919

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
New Residential Mortgage Loan Trust (continued)		
Series 2018-1A, Class A1A, 4.000%, 12/25/2057 (C)(F)	\$ 114,861	\$ 107,762
Series 2018-4A, Class A1S (1 month LIBOR + 0.750%), 5.900%, 01/25/2048 (C)(E)	194,250	188,229
Series 2019-5A, Class A1B, 3.500%, 08/25/2059 (C)(F)	165,473	152,361
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(F)	43,764	39,564
Series 2021-NQ2R, Class A1, 0.941%, 10/25/2058 (C)(F)	89,233	78,957
NMLT Trust		
Series 2021-INV1, Class A1 1.185%, 05/25/2056 (C)(F)	409,861	332,546
Oaktown Re II, Ltd.		
Series 2018-1A, Class M1 (1 month LIBOR + 1.550%) 6.700%, 07/25/2028 (C)(E)	40,025	40,041
OBX Trust		
Series 2021-NQM1, Class A1, 1.072%, 02/25/2066 (C)(F)	264,962	211,724
Series 2021-NQM3, Class A1, 1.054%, 07/25/2061 (C)(F)	245,565	184,556
Series 2022-NQM1, Class A1, 2.305%, 11/25/2061 (C)(F)	486,181	406,830
PRPM LLC		
Series 2020-6, Class A1 (2.363% to 11-25-23, then 5.363% to 11-25-24, then 6.363% thereafter), 2.363%, 11/25/2025 (C)	68,429	65,387
Series 2021-3, Class A1 (1.867% to 4-25-24, then 4.867% to 4-25-25, then 5.867% thereafter), 1.867%, 04/25/2026 (C)	174,310	162,472
Series 2021-4, Class A1 (1.867% to 4-25-24, then 4.867% to 4-25-25, then 5.867% thereafter), 1.867%, 04/25/2026 (C)	254,639	234,537
Series 2021-9, Class A1 (2.363% to 10-25-24, then 5.363% to 10-25-25, then 6.363% thereafter), 2.363%, 10/25/2026 (C)	453,547	421,448
RALI Series Trust		
Series 2007-QH7, Class 1A1 (1 month LIBOR + 0.500%) 5.650%, 08/25/2037 (E)	36,432	33,101
Seasoned Credit Risk Transfer Trust		
Series 2019-3, Class MV 3.500%, 10/25/2058	115,196	104,423
SG Commercial Mortgage Securities Trust		
Series 2020-COVE, Class A 2.632%, 03/15/2037 (C)	645,000	595,330
SG Residential Mortgage Trust		
Series 2021-1, Class A1 1.160%, 07/25/2061 (C)(F)	354,035	271,394
Starwood Mortgage Residential Trust		
Series 2021-1, Class A1, 1.219%, 05/25/2065 (C)(F)	206,058	175,488
Series 2021-2, Class A1, 0.943%, 05/25/2065 (C)(F)	73,168	64,465

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Starwood Mortgage Residential Trust (continued)		
Series 2021-6, Class A1, 1.920%, 11/25/2066 (C)(F)	\$ 373,698	\$ 302,285
Toorak Mortgage Corp., Ltd. Series 2021-1, Class A1 (2.240% to 1-25-24, then 3.240% thereafter) 2.240%, 06/25/2024 (C)	330,000	320,798
Towd Point Mortgage Trust		
Series 2017-1, Class A1, 2.750%, 10/25/2056 (C)(F)	52,554	51,775
Series 2017-2, Class A1, 2.750%, 04/25/2057 (C)(F)	11,711	11,576
Series 2017-3, Class A1, 2.750%, 07/25/2057 (C)(F)	52,484	50,970
Series 2017-4, Class A1, 2.750%, 06/25/2057 (C)(F)	155,496	145,985
Series 2017-5, Class A1 (1 month LIBOR + 0.600%), 4.604%, 02/25/2057 (C)(E)	69,560	69,461
Series 2021-R1, Class A1, 2.918%, 11/30/2060 (C)(F)	597,935	488,507
Verus Securitization Trust		
Series 2021-2, Class A1, 1.031%, 02/25/2066 (C)(F)	113,734	95,049
Series 2021-8, Class A1, 1.824%, 11/25/2066 (C)(F)	261,029	218,115
Series 2021-R2, Class A1, 0.918%, 02/25/2064 (C)(F)	125,910	107,590
Series 2022-1, Class A1 (2.724% to 1-25-26, then 3.724% thereafter), 2.724%, 01/25/2067 (C)	367,641	319,447
Series 2022-3, Class A1 (4.130% to 3-1-26, then 5.130% thereafter), 4.130%, 02/25/2067 (C)	87,224	79,655
WaMu Mortgage Pass-Through Certificates		
Series 2007-HY6, Class 1A1 3.784%, 06/25/2037 (F)	11,653	10,184
Washington Mutual Mortgage Pass-Through Certificates		
Series 2006-5, Class 1A1 (1 month LIBOR + 0.600%) 5.750%, 07/25/2036 (E)	17,981	11,516
Wells Fargo Commercial Mortgage Trust		
Series 2014-LC16, Class A5, 3.817%, 08/15/2050	310,000	300,787
Series 2015-NXS1, Class D, 4.286%, 05/15/2048 (F)	40,000	32,871
Series 2015-NXS1, Class XA IO, 1.209%, 05/15/2048	1,424,922	18,245
Series 2015-NXS3, Class XA IO, 1.025%, 09/15/2057	2,511,974	39,797
WF-RBS Commercial Mortgage Trust		
Series 2014-C19, Class A5 4.101%, 03/15/2047	304,634	299,772
		22,304,914
U.S. Government Agency – 3.1%		
Federal Home Loan Mortgage Corp. Series 2022-DNA3, Class M1B (1 month SOFR + 2.900%), 7.967%, 04/25/2042 (C)(E)		
	168,000	167,738

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan Mortgage Corp. (continued)		
Series 2022-DNA6, Class M1B (1 month SOFR + 3.700%), 8.767%, 09/25/2042 (C)(E)	\$ 135,000	\$ 139,219
Series 2022-HQA2, Class M1B (1 month SOFR + 4.000%), 9.067%, 07/25/2042 (C)(E)	180,000	185,400
Series 2022-HQA3, Class M1B (1 month SOFR + 3.550%), 8.617%, 08/25/2042 (C)(E)	70,000	70,963
Series 2023-DNA2, Class M1B (1 month SOFR + 3.250%), 8.317%, 04/25/2043 (C)(E)	150,000	150,561
Series 2023-HQA1, Class M1B (1 month SOFR + 3.500%), 8.567%, 05/25/2043 (C)(E)	315,000	320,511
Series 2023-HQA2, Class M1B (1 month SOFR + 3.350%), 8.417%, 06/25/2043 (C)(E)	435,000	439,350
Series 3883, Class PB, 3.000%, 05/15/2041	55,259	51,186
Series 5055, Class DG, 1.500%, 12/25/2050	426,230	351,738
Series 5170, Class DP, 2.000%, 07/25/2050	433,582	361,532
Series K064, Class X1 IO, 0.736%, 03/25/2027	2,126,573	39,739
Series K068, Class A2, 3.244%, 08/25/2027	545,000	515,248
Series K104, Class X1 IO, 1.246%, 01/25/2030	1,301,836	74,573
Series K111, Class X1 IO, 1.680%, 05/25/2030	548,996	46,146
Series K114, Class X1 IO, 1.211%, 06/25/2030	1,596,894	98,358
Series K121, Class X1 IO, 1.119%, 10/25/2030	845,680	47,884
Series K122, Class X1 IO, 0.971%, 11/25/2030	477,475	23,705
Series K124, Class X1 IO, 0.810%, 12/25/2030	1,905,769	80,727
Federal National Mortgage Association		
Series 2012-120, Class ZB, 3.500%, 11/25/2042	435,534	397,263
Series 2012-18, Class GA, 2.000%, 12/25/2041	58,495	52,058
Series 2012-21, Class PQ, 2.000%, 09/25/2041	34,618	31,084
Series 2012-52, Class PA, 3.500%, 05/25/2042	52,174	49,246
Series 2015-48, Class QB, 3.000%, 02/25/2043	71,801	67,415
Series 2016-11, Class GA, 2.500%, 03/25/2046	83,613	75,359
Series 2016-38, Class NA, 3.000%, 01/25/2046	43,497	39,574
Series 2016-C07, Class 2M2 (1 month LIBOR + 4.350%), 9.500%, 05/25/2029 (E)	168,317	176,733
Series 2017-16, Class PB, 3.000%, 03/25/2047	270,000	231,540
Series 2017-26, Class CG, 3.500%, 07/25/2044	52,966	50,953

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2017-34, Class JK, 3.000%, 05/25/2047	\$ 33,794	\$ 31,616
Series 2017-35, Class AH, 3.500%, 04/25/2053	63,358	61,099
Series 2017-49, Class JA, 4.000%, 07/25/2053	60,943	59,056
Series 2017-84, Class KA, 3.500%, 04/25/2053	67,976	64,921
Series 2017-C01, Class 1M2 (1 month LIBOR + 3.550%), 8.700%, 07/25/2029 (E)	97,364	100,766
Series 2018-23, Class LA, 3.500%, 04/25/2048	120,053	112,558
Series 2018-70, Class HA, 3.500%, 10/25/2056	85,860	81,382
Series 2019-12, Class HA, 3.500%, 11/25/2057	139,063	129,830
Series 2019-14, Class CA, 3.500%, 04/25/2049	151,023	141,441
Series 2019-45, Class PT, 3.000%, 08/25/2049	130,652	117,533
Series 2019-7, Class JA, 3.500%, 03/25/2049	121,204	113,178
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 7.300%, 11/25/2039 (C)(E)	65,451	65,634
Series 2019-R03, Class 1M2 (1 month LIBOR + 2.150%), 7.300%, 09/25/2031 (C)(E)	3,935	3,940
Series 2022-90, Class AY, 4.500%, 12/25/2041	640,000	627,192
Series 2022-R08, Class 1M1 (1 month SOFR + 2.550%), 7.617%, 07/25/2042 (C)(E)	78,036	79,139
Series 2023-R05, Class 1M2 (1 month SOFR + 3.100%), 8.166%, 06/25/2043 (C)(E)	144,000	144,180
Series 415, Class A3, 3.000%, 11/25/2042	104,488	95,750
Government National		
Mortgage Association		
Series 2006-38, Class XS IO, 2.092%, 09/16/2035	15,565	288
Series 2013-37, Class LG, 2.000%, 01/20/2042	60,438	56,487
		6,421,793
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$32,316,814)		\$ 28,726,707

ASSET BACKED SECURITIES – 12.0%

AASET Trust		
Series 2020-1A, Class A 3.351%, 01/16/2040 (C)	123,838	103,944
ABFC Trust		
Series 2006-HE1, Class A2D (1 month LIBOR + 0.220%) 5.370%, 01/25/2037 (E)	92,842	53,225
Affirm Asset Securitization Trust		
Series 2020-Z1, Class A 3.460%, 10/15/2024 (C)	7,293	7,264
Series 2020-Z2, Class A 1.900%, 01/15/2025 (C)	22,851	22,550

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Affirm Asset		
Securitization Trust (continued)		
Series 2023-A, Class 1A 6.610%, 01/18/2028 (C)	\$ 185,000	\$ 183,610
American Credit Acceptance Receivables Trust		
Series 2022-3, Class B 4.550%, 10/13/2026 (C)	25,000	24,699
AmeriCredit Automobile Receivables Trust		
Series 2019-3, Class D 2.580%, 09/18/2025	295,000	287,371
Amur Equipment Finance Receivables XI LLC		
Series 2022-2A, Class A2 5.300%, 06/21/2028 (C)	109,594	108,574
ARI Fleet Lease Trust		
Series 2023-A, Class A2 5.410%, 02/17/2032 (C)	380,000	375,953
Avant Loans Funding Trust		
Series 2021-REV1, Class A 1.210%, 07/15/2030 (C)	225,000	221,180
Bain Capital Credit CLO, Ltd.		
Series 2017-2A, Class AR2 (3 month LIBOR + 1.180%) 6.435%, 07/25/2034 (C)(E)	650,000	637,073
Benefit Street Partners CLO XXXI, Ltd.		
Series 2023-31A, Class B1 (3 month CME Term SOFR + 2.350%) 7.220%, 04/25/2036 (C)(E)	270,000	265,871
BlueMountain CLO XXIV, Ltd.		
Series 2019-24A, Class AR (3 month LIBOR + 1.100%) 6.350%, 04/20/2034 (C)(E)	415,000	405,913
Carvana Auto Receivables Trust		
Series 2022-P2, Class A3 4.130%, 04/12/2027	465,000	452,238
CCG Receivables Trust		
Series 2023-1, Class A2 5.820%, 09/16/2030 (C)	160,000	160,179
CF Hippolyta Issuer LLC		
Series 2020-1, Class A2 1.990%, 07/15/2060 (C)	127,242	106,276
Chesapeake Funding II LLC		
Series 2023-1A, Class A1 5.650%, 05/15/2035 (C)	317,114	314,574
CIFC Funding, Ltd.		
Series 2017-2A, Class AR (3 month LIBOR + 0.950%) 6.200%, 04/20/2030 (C)(E)	880,839	872,974
CNH Equipment Trust		
Series 2023-A, Class A4 4.770%, 10/15/2030	85,000	83,547
CPS Auto Receivables Trust		
Series 2023-B, Class A 5.910%, 08/16/2027 (C)	456,983	455,698
Credit Acceptance Auto Loan Trust		
Series 2021-3A, Class A 1.000%, 05/15/2030 (C)	227,686	221,766
Dell Equipment Finance Trust		
Series 2023-1, Class A3 5.650%, 09/22/2028 (C)	267,000	267,238
Domino's Pizza Master Issuer LLC		
Series 2018-1A, Class A2I 4.116%, 07/25/2048 (C)	353,350	334,636
Series 2019-1A, Class A2 3.668%, 10/25/2049 (C)	169,313	147,942

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Domino's Pizza Master Issuer LLC (continued) Series 2021-1A, Class A2I 2.662%, 04/25/2051 (C)	\$ 264,600	\$ 224,306
Drive Auto Receivables Trust Series 2019-4, Class D 2.700%, 02/16/2027	142,788	141,001
DT Auto Owner Trust Series 2023-1A, Class B 5.190%, 10/16/2028 (C)	120,000	117,810
Series 2023-2A, Class B 5.410%, 02/15/2029 (C)	135,000	133,230
Elmwood CLO, Ltd. Series 2023-2A, Class B (3 month CME Term SOFR + 2.250%) 7.307%, 04/16/2036 (C)(E)	250,000	248,476
Enterprise Fleet Financing LLC Series 2023-1, Class A3 5.420%, 10/22/2029 (C)	185,000	184,059
Exeter Automobile Receivables Trust Series 2019-4A, Class D 2.580%, 09/15/2025 (C)	288,453	283,921
Series 2020-1A, Class D 2.730%, 12/15/2025 (C)	111,660	109,241
Series 2022-1A, Class B 2.180%, 06/15/2026	190,000	188,092
Series 2022-4A, Class B 4.570%, 01/15/2027	175,000	172,010
Series 2022-6A, Class B 6.030%, 08/16/2027	75,000	74,801
First Franklin Mortgage Loan Trust Series 2006-FF12, Class A5 (1 month LIBOR + 0.310%) 5.460%, 09/25/2036 (E)	180,797	165,901
FirstKey Homes Trust Series 2022-SFR1, Class A 4.145%, 05/17/2039 (C)	139,213	131,154
Series 2022-SFR2, Class A 4.250%, 07/17/2039 (C)	571,766	538,624
Flagship Credit Auto Trust Series 2022-3, Class B 4.690%, 07/17/2028 (C)	239,000	232,412
Series 2023-1, Class B 5.050%, 01/18/2028 (C)	66,000	64,445
Galaxy XXIII CLO, Ltd. Series 2017-23A, Class AR (3 month LIBOR + 0.870%) 6.143%, 04/24/2029 (C)(E)	643,362	637,695
GLS Auto Receivables Issuer Trust Series 2022-3A, Class B 4.920%, 01/15/2027 (C)	45,000	44,216
Golub Capital Partners CLO 68B, Ltd. Series 2023-68A, Class B (3 month CME Term SOFR + 2.800%) 8.068%, 07/25/2036 (C)(E)	250,000	250,000
GSAA Home Equity Trust Series 2006-10, Class AF3 5.985%, 06/25/2036 (F)	137,229	37,200
Series 2006-15, Class AF6 6.376%, 09/25/2036	347,987	93,449
Series 2006-20, Class 2A1A (1 month LIBOR + 0.100%) 5.250%, 12/25/2046 (E)	185,070	91,855
GSAA Trust Series 2005-7, Class AF4 5.558%, 05/25/2035	158,120	148,452

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
GSAMP Trust Series 2007-FM2, Class A2B (1 month LIBOR + 0.090%) 5.240%, 01/25/2037 (E)	\$ 181,467	\$ 104,797
Invesco US CLO, Ltd. Series 2023-2A, Class B (3 month CME Term SOFR + 2.300%) 7.156%, 04/21/2036 (C)(E)	250,000	245,629
Kubota Credit Owner Trust Series 2023-1A, Class A3 5.020%, 06/15/2027 (C)	185,000	182,925
LCM XX LP Series 2020-A, Class AR (3 month LIBOR + 1.040%) 6.290%, 10/20/2027 (C)(E)	61,517	61,437
Madison Park Funding XLI, Ltd. Series 12A, Class AR (3 month LIBOR + 0.830%) 6.103%, 04/22/2027 (C)(E)	417,367	414,797
Marlette Funding Trust Series 2021-2A, Class B 1.060%, 09/15/2031 (C)	53,759	52,925
MF1, Ltd. Series 2022-FL8, Class AS (1 month SOFR + 1.750%) 6.817%, 02/19/2037 (C)(E)	335,000	325,552
MFA LLC Series 2021-NPL1, Class A1 (2.363% to 3-25-24, then 5.363% to 3-25-25, then 6.363% thereafter) 2.363%, 03/25/2060 (C)	265,768	252,169
Navient Private Education Refi Loan Trust Series 2021-EA, Class A 0.970%, 12/16/2069 (C)	164,630	139,138
Series 2021-FA, Class A 1.110%, 02/18/2070 (C)	234,198	195,480
Series 2023-A, Class A 5.510%, 10/15/2071 (C)	297,479	293,211
NRZ Excess Spread-Collateralized Notes Series 2020-PLS1, Class A 3.844%, 12/25/2025 (C)	43,048	39,965
Octagon, Ltd. Series 2023-2A, Class B (3 month CME Term SOFR + 2.350%) 7.419%, 04/20/2036 (C)(E)	270,000	270,120
PRET LLC Series 2021-NPL3, Class A1 (1.868% to 7-25-24, then 4.868% to 7-25-25, then 5.868% thereafter) 1.868%, 07/25/2051 (C)	203,198	185,349
Series 2021-NPL6, Class A1 (2.487% to 11-25-24, then 5.487% to 11-25-25, then 6.487% thereafter) 2.487%, 07/25/2051 (C)	166,325	153,562
Pretium Mortgage Credit Partners LLC Series 2022-NPL1, Class A1 (2.981% to 12-25-24, then 5.981% to 12-25-25, then 6.981% thereafter) 2.981%, 01/25/2052 (C)	479,112	441,023
Progress Residential Trust Series 2021-SFR8, Class A 1.510%, 10/17/2038 (C)	392,671	341,939
Series 2022-SFR3, Class A 3.200%, 04/17/2039 (C)	134,084	121,933
Series 2022-SFR5, Class A 4.451%, 06/17/2039 (C)	103,983	98,842

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Progress Residential Trust (continued)		
Series 2022-SFR6, Class A 4.451%, 07/20/2039 (C)	\$ 625,000	\$ 592,810
Series 2022-SFR7, Class A 4.750%, 10/27/2039 (C)	164,740	158,093
Regatta VI Funding, Ltd.		
Series 2016-1A, Class AR2 (3 month LIBOR + 1.160%) 6.410%, 04/20/2034 (C)(E)	595,000	584,526
RR 1 LLC		
Series 2017-1A, Class A1AB (3 month LIBOR + 1.150%) 6.410%, 07/15/2035 (C)(E)	425,000	417,839
RR 26, Ltd.		
Series 2023-26A, Class A2 (3 month CME Term SOFR + 2.250%) 6.982%, 04/15/2038 (C)(E)	250,000	249,321
Santander Drive Auto Receivables Trust		
Series 2020-4, Class D 1.480%, 01/15/2027	75,000	72,443
Series 2022-4, Class B 4.420%, 11/15/2027	350,000	340,747
Series 2022-5, Class B 4.430%, 03/15/2027	110,000	107,825
Series 2022-6, Class B 4.720%, 06/15/2027	80,000	78,259
Series 2022-7, Class B 5.950%, 01/17/2028	305,000	303,639
Series 2023-1, Class B 4.980%, 02/15/2028	140,000	137,422
Securitized Asset Backed Receivables LLC Trust		
Series 2006-HE1, Class A2B (1 month LIBOR + 0.180%) 5.330%, 07/25/2036 (E)	120,369	41,296
SFS Auto Receivables Securitization Trust		
Series 2023-1A, Class B 5.710%, 01/22/2030 (C)	115,000	114,532
Sound Point CLO XXIX, Ltd.		
Series 2021-1A, Class A (3 month LIBOR + 1.070%) 6.325%, 04/25/2034 (C)(E)	655,000	638,088
Soundview Home Loan Trust		
Series 2007-OPT2, Class 2A3 (1 month LIBOR + 0.180%) 5.330%, 07/25/2037 (E)	23,445	19,844
Summit Issuer LLC		
Series 2020-1A, Class A2 2.290%, 12/20/2050 (C)	155,000	138,390
Taco Bell Funding LLC		
Series 2021-1A, Class A2II 2.294%, 08/25/2051 (C)	880,590	722,965
Texas Debt Capital CLO, Ltd.		
Series 2023-1A, Class B (3 month CME Term SOFR + 2.300%) 7.122%, 04/20/2036 (C)(E)	300,000	297,003
Texas Natural Gas Securitization Finance Corp.		
Series 2023-1, Class A1 5.102%, 04/01/2035	280,000	281,022
THL Credit Wind River CLO, Ltd.		
Series 2020-1A, Class A (3 month LIBOR + 1.430%) 6.680%, 10/20/2033 (C)(E)	520,000	513,820

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Tricolor Auto Securitization Trust		
Series 2023-1A, Class A 6.480%, 08/17/2026 (C)	\$ 119,088	\$ 118,734
Tricon Residential Trust		
Series 2022-SFR2, Class A 4.849%, 07/17/2040 (C)	374,496	361,302
VCAT LLC		
Series 2021-NPL2, Class A1 (2.115% to 3-25-24, then 5.115% to 3-25-25, then 6.115% thereafter) 2.115%, 03/27/2051 (C)	66,284	62,530
Series 2021-NPL3, Class A1 (1.743% to 5-25-24, then 4.473% to 5-25-25, then 5.743% thereafter) 1.743%, 05/25/2051 (C)	211,529	195,818
Venture 42 CLO, Ltd.		
Series 2021-42A, Class A1A (3 month LIBOR + 1.130%) 6.390%, 04/15/2034 (C)(E)	655,000	637,690
Venture 43 CLO, Ltd.		
Series 2021-43A, Class A1 (3 month LIBOR + 1.240%) 6.500%, 04/15/2034 (C)(E)	260,000	253,727
Vericrest Opportunity Loan Transferee		
Series 2021-NP11, Class A1 (1.868% to 7-25-24, then 4.868% to 7-25-25, then 5.868% thereafter) 1.868%, 08/25/2051 (C)	404,744	366,755
VOLT CIII LLC		
Series 2021-CF1, Class A1 (1.992% to 8-25-24, then 4.992% to 8-25-25, then 5.992% thereafter) 1.992%, 08/25/2051 (C)	252,851	234,725
VOLT XCIV LLC		
Series 2021-NPL3, Class A1 (2.240% to 1-25-24, then 5.239% to 1-25-25, then 6.239% thereafter) 2.240%, 02/27/2051 (C)	239,669	220,231
Voya CLO, Ltd.		
Series 2015-1A, Class AIR (3 month LIBOR + 0.900%) 6.162%, 01/18/2029 (C)(E)	379,124	377,093
Wellfleet CLO X, Ltd.		
Series 2019-XA, Class AIR (3 month LIBOR + 1.170%) 6.420%, 07/20/2032 (C)(E)	520,000	511,025
Wendy's Funding LLC		
Series 2018-1A, Class A2II 3.884%, 03/15/2048 (C)	222,075	200,965
Series 2021-1A, Class A2I 2.370%, 06/15/2051 (C)	573,300	474,082
Westlake Automobile Receivables Trust		
Series 2019-3A, Class D 2.720%, 11/15/2024 (C)	34,281	34,233
Series 2020-3A, Class D 1.650%, 02/17/2026 (C)	215,000	206,539
Series 2022-2A, Class B 4.310%, 09/15/2027 (C)	270,000	263,755
Series 2023-1A, Class B 5.410%, 01/18/2028 (C)	75,000	74,067

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Wingstop Funding LLC Series 2020-1A, Class A2 2.841%, 12/05/2050 (C)	\$ 98,500	\$ 85,033
World Omni Auto Receivables Trust Series 2023-A, Class B 5.030%, 05/15/2029	125,000	122,949
TOTAL ASSET BACKED SECURITIES (Cost \$26,094,977)		\$ 24,958,575
SHORT-TERM INVESTMENTS – 3.7%		
Short-term funds – 0.0%		
John Hancock Collateral Trust, 5.1773% (G)(H)	15,318	153,098
Repurchase agreement – 3.7%		
Deutsche Bank Tri-Party Repurchase Agreement dated 6-30-23 at 5.050% to be repurchased at \$7,703,240 on 7-3-23, collateralized by \$7,858,563 Federal National Mortgage Association, 3.500% - 6.000% due 4-1-43 to 7-1-53 (valued at \$7,854,000)	\$ 7,700,000	7,700,000
TOTAL SHORT-TERM INVESTMENTS (Cost \$7,853,108)		\$ 7,853,098
Total Investments (Investment Quality Bond Trust) (Cost \$285,182,331) – 125.2%		\$ 261,071,836
Other assets and liabilities, net – (25.2%)		(52,612,388)
TOTAL NET ASSETS – 100.0%		\$ 208,459,448

Currency Abbreviations

BRL Brazilian Real

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
2-Year U.S. Treasury Note Futures	114	Long	Sep 2023	\$23,243,723	\$23,181,188	\$(62,535)
5-Year U.S. Treasury Note Futures	159	Long	Sep 2023	17,350,121	17,027,906	(322,215)
Ultra 10-Year U.S. Treasury Note Futures	19	Long	Sep 2023	2,276,489	2,250,312	(26,177)
10-Year U.S. Treasury Note Futures	136	Short	Sep 2023	(15,561,795)	(15,268,125)	293,670
Euro-Buxl Futures	16	Short	Sep 2023	(2,376,695)	(2,437,305)	(60,610)
German Euro BOBL Futures	38	Short	Sep 2023	(4,839,396)	(4,797,986)	41,410
German Euro BUND Futures	21	Short	Sep 2023	(3,070,890)	(3,064,680)	6,210
U.S. Treasury Long Bond Futures	54	Short	Sep 2023	(6,865,077)	(6,852,938)	12,139
Ultra U.S. Treasury Bond Futures	43	Short	Sep 2023	(5,803,401)	(5,857,406)	(54,005)
						\$(172,113)

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD 1,048,754	BRL 5,210,000	GSI	9/20/2023	—	\$(24,443)

Investment Quality Bond Trust (continued)

EUR	Euro
Security Abbreviations and Legend	
CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
GO	General Obligation
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
(B)	Security purchased or sold on a when-issued or delayed delivery basis.
(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. Rule 144A securities amounted to \$60,313,670 or 28.9% of the fund's net assets as of 6-30-23.
(D)	All or a portion of this security is on loan as of 6-30-23.
(E)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(F)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(G)	The rate shown is the annualized seven-day yield as of 6-30-23.
(H)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

John Hancock Variable Insurance Trust

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

Investment Quality Bond Trust (continued) FORWARD FOREIGN CURRENCY CONTRACTS (continued)

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD	3,488,472	EUR	3,237,000	DB	9/20/2023	—	\$(57,250)
						—	\$(81,693)

SWAPS

Interest rate swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	2,185,000	USD	Fixed 1.560%	USD Compounded SOFR	Annual	Annual	Dec 2041	\$(11,291)	\$605,843	\$594,552
Centrally cleared	1,320,000	USD	Fixed 1.560%	USD Compounded SOFR	Annual	Annual	Dec 2051	(7,838)	428,448	420,610
Centrally cleared	380,000	USD	Fixed 2.880%	USD Compounded SOFR	Annual	Annual	Mar 2053	4,436	19,918	24,354
Centrally cleared	1,105,000	USD	Fixed 2.970%	USD Compounded SOFR	Annual	Annual	Mar 2053	665	51,260	51,925
Centrally cleared	370,000	USD	Fixed 3.250%	USD Compounded SOFR	Annual	Annual	Jun 2053	(4,055)	(351)	(4,406)
								\$(18,083)	\$1,105,118	\$1,087,035

Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Federative Republic of Brazil	937,000	USD	\$937,000	1.000%	Quarterly	Jun 2027	\$41,094	\$(30,942)	\$10,152
Centrally cleared	CDX.EM.38	3,340,000	USD	3,340,000	1.000%	Quarterly	Dec 2027	200,606	(62,333)	138,273
Centrally cleared	Federative Republic of Brazil	930,000	USD	930,000	1.000%	Quarterly	Jun 2028	47,052	(17,154)	29,898
				\$5,207,000				\$288,752	\$(110,429)	\$178,323

Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	CDX.NA.HY.40	4.287%	700,000	USD	\$700,000	5.000%	Quarterly	Jun 2028	\$12,071	\$8,505	\$20,576
					\$700,000				\$12,071	\$8,505	\$20,576

Derivatives Currency Abbreviations

BRL	Brazilian Real
EUR	Euro
USD	U.S. Dollar

Derivatives Abbreviations

DB	Deutsche Bank AG
GSI	Goldman Sachs International
OTC	Over-the-counter
SOFR	Secured Overnight Financing Rate

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

Money Market Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT – 15.2%		
U.S. Treasury Bill		
4.905%, 10/12/2023	\$ 16,286,100	\$ 16,063,766
5.085%, 07/25/2023	97,490,100	97,165,201
5.087%, 07/11/2023	10,000,000	9,986,083
5.098%, 07/20/2023	64,908,300	64,736,500

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. Treasury Bill (continued)		
5.146%, 08/03/2023	\$ 64,942,900	\$ 64,642,149
5.211%, 08/10/2023	64,908,300	64,539,765

John Hancock Variable Insurance Trust

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

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. Treasury Note		
5.240%, (3 month USBMMY - 0.075%), 04/30/2024 (A)	\$ 15,000,000	\$ 15,000,627
5.367%, (3 month USBMMY + 0.037%), 07/31/2024 (A)	26,848,500	26,846,268
TOTAL U.S. GOVERNMENT (Cost \$358,980,359)		\$ 358,980,359
U.S. GOVERNMENT AGENCY – 59.9%		
Federal Agricultural Mortgage Corp.		
3.369%, 08/29/2023	6,600,000	6,600,000
4.754%, 08/04/2023	1,317,000	1,311,513
4.880%, 11/28/2023	9,854,000	9,854,000
5.266%, 06/13/2024	6,520,000	6,520,000
5.333%, (SOFR + 0.200%), 04/04/2025 (A)	6,527,000	6,527,000
5.461%, 11/06/2023	2,454,000	2,410,571
Federal Farm Credit Bank		
4.691%, 08/15/2023	2,615,000	2,599,964
4.710%, 08/29/2023	6,537,000	6,487,611
4.747%, 11/15/2023	5,229,000	5,137,463
4.760%, 11/21/2023	1,974,000	1,973,629
4.791%, 11/02/2023	543,000	534,303
4.898%, 04/16/2024	13,051,000	12,562,131
4.923%, 09/14/2023	3,920,000	3,882,961
5.002%, 12/01/2023	1,306,000	1,281,852
5.071%, 07/03/2023	3,259,000	3,258,095
5.109%, 09/15/2023	1,305,000	1,291,691
5.120%, 11/13/2023	1,959,000	1,924,216
5.139%, 11/30/2023	654,000	641,116
5.145%, 02/08/2024	8,698,000	8,679,683
5.161%, (Prime rate - 3.160%), 07/26/2023 (A)	13,378,000	13,378,000
5.166%, (Prime rate - 3.155%), 09/08/2023 (A)	8,500,000	8,500,000
5.166%, (SOFR + 0.040%), 01/25/2024 (A)	9,965,000	9,965,282
5.171%, (SOFR + 0.040%), 02/09/2024 (A)	3,262,000	3,262,000
5.171%, (SOFR + 0.040%), 02/05/2024 (A)	3,338,000	3,338,000
5.171%, (SOFR + 0.040%), 03/18/2024 (A)	13,297,000	13,297,000
5.171%, (Prime rate - 3.150%), 07/26/2023 (A)	13,238,000	13,237,998
5.175%, (SOFR + 0.125%), 10/03/2024 (A)(B)	6,488,000	6,488,000
5.190%, (SOFR + 0.135%), 11/06/2023 (A)	300,000	300,080
5.191%, (SOFR + 0.060%), 07/08/2024 (A)	9,982,000	9,982,000
5.201%, (Prime rate - 3.120%), 01/08/2024 (A)	10,717,000	10,717,000
5.211%, (SOFR + 0.080%), 07/22/2024 (A)	4,000,000	4,000,000
5.211%, (U.S. Federal Funds Effective Rate + 0.070%), 10/04/2024 (A)	13,238,000	13,238,000
5.219%, (Prime rate - 3.140%), 04/12/2024 (A)	10,030,000	10,027,110
5.232%, (SOFR + 0.085%), 07/22/2024 (A)	6,615,000	6,613,951
5.257%, (SOFR + 0.125%), 03/07/2025 (A)	3,265,000	3,265,000
5.263%, (Prime rate - 3.085%), 08/08/2024 (A)	13,232,000	13,228,319
5.264%, (Prime rate - 3.090%), 11/02/2023 (A)	9,909,000	9,907,923

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Farm Credit Bank (continued)		
5.267%, (SOFR + 0.135%), 09/05/2024 (A)	\$ 3,260,000	\$ 3,260,000
5.272%, (SOFR + 0.140%), 11/07/2024 (A)	7,894,000	7,894,000
5.274%, (SOFR + 0.120%), 01/22/2024 (A)	3,284,000	3,283,604
5.282%, (Prime rate - 3.040%), 10/17/2024 (A)	6,000,000	6,000,000
5.282%, (SOFR + 0.150%), 03/20/2024 (A)	9,844,000	9,844,000
5.285%, (Prime rate - 3.120%), 10/24/2023 (A)	6,564,000	6,562,300
5.293%, (U.S. Federal Funds Effective Rate + 0.150%), 02/03/2025 (A)	6,539,000	6,539,000
5.296%, (SOFR + 0.110%), 02/14/2025 (A)	4,019,000	4,015,716
5.303%, (SOFR + 0.170%), 01/23/2025 (A)	9,757,000	9,757,000
5.313%, (SOFR + 0.180%), 03/20/2025 (A)	6,542,000	6,542,000
5.333%, (SOFR + 0.200%), 12/05/2024 (A)	11,000,000	11,000,000
5.343%, (Prime rate - 2.980%), 01/09/2025 (A)	5,202,000	5,202,000
5.344%, (3 month USBMMY + 0.023%), 07/17/2023 (A)	10,000,000	10,000,000
5.358%, 02/16/2024	7,512,000	7,275,804
5.374%, (Prime rate - 2.950%), 12/16/2024 (A)	5,889,000	5,889,000
5.412%, 12/13/2023	6,541,000	6,384,806
5.422%, 08/24/2023	1,416,000	1,408,789
Federal Home Loan Bank		
3.136%, 07/28/2023	6,615,000	6,615,073
3.277%, 08/15/2023	9,910,000	9,910,000
3.406%, 08/22/2023	6,595,000	6,594,971
3.967%, 08/18/2023	9,935,000	9,935,000
4.701%, 11/01/2023	925,000	924,652
4.765%, 09/06/2023	4,145,000	4,136,175
4.773%, 12/21/2023	2,500,000	2,499,584
4.777%, 09/29/2023	1,260,000	1,259,949
4.821%, 11/07/2023	7,310,000	7,310,365
4.835%, 03/28/2024	1,310,000	1,288,352
4.839%, 11/28/2023	13,069,000	12,814,155
4.846%, 11/24/2023	6,530,000	6,525,265
4.849%, 12/29/2023	2,620,000	2,568,355
4.850%, 10/05/2023	18,925,000	18,924,335
4.868%, 07/03/2023	3,000,000	2,999,200
4.882%, 02/02/2024	19,665,000	19,112,807
4.907%, 11/28/2023	2,770,000	2,769,203
4.926%, 07/21/2023	6,532,000	6,514,418
4.939%, 09/08/2023	3,265,000	3,235,557
4.958%, 07/27/2023	5,040,000	5,033,939
4.973%, 11/07/2023	12,450,000	12,444,058
4.986%, 12/12/2023	2,000,000	2,000,000
4.994%, 02/09/2024	13,069,000	12,682,034
5.002%, 11/24/2023	6,515,000	6,400,639
5.010%, 08/02/2023	2,002,000	1,993,245
5.010%, 11/17/2023	505,000	504,305
5.027%, 01/12/2024	13,710,000	13,351,420
5.034%, 10/20/2023	1,958,000	1,928,478
5.037%, 07/12/2023	30,668,000	30,621,519
5.049%, 11/27/2023	3,695,000	3,632,110
5.052%, 12/08/2023	980,000	969,247
5.057%, 02/08/2024	710,000	709,544
5.068%, 09/12/2023	9,825,000	9,825,000
5.073%, 08/04/2023	8,505,000	8,464,998

John Hancock Variable Insurance Trust

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

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Home Loan Bank (continued)		
5.074%, 09/11/2023	\$ 9,835,000	\$ 9,835,000
5.076%, 08/15/2023	3,265,000	3,244,696
5.077%, 08/03/2023	19,683,000	19,593,057
5.078%, 07/26/2023	36,959,000	36,830,898
5.087%, 08/25/2023	26,391,000	26,190,229
5.096%, 07/10/2023	16,305,000	16,284,537
5.108%, 03/01/2024	16,315,000	16,315,000
5.108%, 09/08/2023	6,525,000	6,503,494
5.132%, 08/09/2023	36,772,000	36,571,469
5.145%, 02/14/2024	6,530,000	6,525,902
5.146%, 08/03/2023	10,655,000	10,621,245
5.150%, 08/11/2023	10,411,000	10,351,122
5.151%, 09/13/2023	750,000	747,630
5.151%, 08/16/2023	28,420,000	28,236,709
5.153%, 07/26/2023	1,445,000	1,442,999
5.155%, 09/01/2023	22,597,000	22,400,866
5.156%, (SOFR + 0.025%), 11/01/2023 (A)	13,050,000	13,050,000
5.156%, (SOFR + 0.025%), 09/25/2023 (A)	19,680,000	19,680,000
5.161%, 02/01/2024	6,526,000	6,333,465
5.161%, (SOFR + 0.030%), 11/09/2023 (A)	19,640,000	19,640,000
5.166%, (SOFR + 0.035%), 12/11/2023 (A)	19,640,000	19,640,000
5.171%, (SOFR + 0.040%), 10/06/2023 (A)	19,965,000	19,965,000
5.171%, (SOFR + 0.040%), 12/18/2023 (A)	16,365,000	16,365,000
5.171%, (SOFR + 0.040%), 09/26/2023 (A)	10,000,000	10,000,000
5.181%, (SOFR + 0.050%), 07/24/2023 (A)	13,090,000	13,090,000
5.181%, (SOFR + 0.050%), 07/18/2023 (A)	22,895,000	22,895,000
5.181%, (SOFR + 0.050%), 07/24/2023 (A)	16,330,000	16,330,000
5.186%, (SOFR + 0.055%), 08/22/2023 (A)	13,065,000	13,065,000
5.186%, (SOFR + 0.055%), 08/01/2023 (A)	7,000,000	7,000,000
5.186%, 04/03/2024	4,575,000	4,575,000
5.188%, 07/25/2023	1,523,000	1,517,822
5.199%, 12/08/2023	4,010,000	3,959,216
5.206%, 09/07/2023	12,600,000	12,598,882
5.216%, (SOFR + 0.085%), 07/03/2023 (A)	9,190,000	9,190,000
5.222%, (SOFR + 0.090%), 08/21/2023 (A)	19,735,000	19,735,000
5.232%, (SOFR + 0.100%), 09/21/2023 (A)	13,180,000	13,180,000
5.236%, 05/15/2024	6,710,000	6,710,000
5.252%, (SOFR + 0.120%), 03/06/2024 (A)	5,515,000	5,515,000
5.252%, (SOFR + 0.120%), 09/06/2023 (A)	19,610,000	19,610,000
5.256%, 03/28/2024	3,385,000	3,385,000
5.261%, 08/23/2023	3,848,000	3,818,825
5.266%, 05/06/2024	6,515,000	6,515,000
5.266%, 05/10/2024	16,295,000	16,295,000
5.267%, 03/01/2024	6,525,000	6,525,000
5.272%, 06/07/2024	9,820,000	9,820,000
5.282%, (SOFR + 0.150%), 01/30/2025 (A)	9,800,000	9,800,000
5.284%, 09/21/2023	1,432,000	1,415,202
5.285%, 08/14/2023	5,568,000	5,532,748

Money Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AGENCY (continued)		
Federal Home Loan Bank (continued)		
5.289%, 07/14/2023	\$ 1,050,000	\$ 1,049,239
5.297%, 08/28/2023	1,635,000	1,629,873
5.308%, 03/08/2024	1,050,000	1,049,640
5.309%, 10/11/2023	1,907,000	1,879,120
5.316%, 05/24/2024	720,000	719,721
5.320%, 02/07/2024	6,860,000	6,860,000
5.329%, 12/01/2023	16,900,000	16,530,716
5.344%, 02/28/2024	5,090,000	5,090,000
5.349%, 08/30/2023	6,541,000	6,483,984
5.373%, 05/24/2024	1,345,000	1,344,674
5.380%, 11/17/2023	6,529,000	6,397,912
5.383%, 10/12/2023	6,550,000	6,451,988
5.384%, 12/08/2023	1,955,000	1,948,514
5.388%, 10/18/2023	652,000	641,675
5.391%, 12/01/2023	13,025,000	13,016,723
5.405%, 06/18/2024	9,825,000	9,825,000
5.416%, 11/22/2023	718,000	702,979
5.433%, 12/13/2023	388,000	378,699
5.445%, 05/16/2024	7,860,000	7,860,000
5.455%, 04/01/2024	16,300,000	16,300,000
5.485%, 06/28/2024	3,265,000	3,265,000
5.493%, 08/14/2023	1,470,000	1,469,513
5.535%, 06/28/2024	6,165,000	6,165,000
Federal Home Loan Mortgage Corp.		
4.611%, 10/16/2023	2,582,000	2,548,498
4.679%, 09/08/2023	3,974,000	3,941,007
4.691%, 11/13/2023	1,371,000	1,349,100
4.730%, 08/24/2023	6,797,000	6,752,279
5.053%, 07/07/2023	4,302,000	4,298,429
5.086%, 07/10/2023	5,856,000	5,848,665
5.120%, 11/02/2023	4,796,000	4,719,090
5.376%, 06/17/2024	13,000,000	13,000,000
Federal National Mortgage Association		
4.659%, 07/10/2023	7,966,000	7,957,354
4.762%, 02/05/2024	1,074,000	1,059,955
4.903%, 12/07/2023	658,000	645,135
4.924%, 08/10/2023	3,317,000	3,300,283
4.940%, 01/26/2024	3,000,000	3,000,000
5.011%, 11/27/2023	3,662,000	3,592,227
5.029%, 04/26/2024	9,813,000	9,813,000
5.033%, 01/25/2024	2,614,000	2,614,000
5.071%, 09/12/2023	806,000	802,456
5.130%, 12/15/2023	653,000	638,956
5.186%, 04/03/2024	12,087,000	12,087,000
5.207%, 06/07/2024	4,256,000	4,256,000
Tennessee Valley Authority		
5.103%, 07/05/2023	11,055,000	11,048,821
TOTAL U.S. GOVERNMENT AGENCY (Cost		
\$1,412,357,671)		\$ 1,412,357,671
REPURCHASE AGREEMENT – 24.9%		
Barclays Tri-Party Repurchase		
Agreement dated 6-30-23 at 5.040%		
to be repurchased at \$325,136,500 on		
7-3-23, collateralized by \$75,655,395		
U.S. Treasury Inflation Indexed		
Bonds, 2.000% - 3.875% due 1-15-26		
to 4-15-29 (valued at \$78,812,882)		
and \$275,649,434 U.S. Treasury		
Inflation Indexed Notes, 0.125% -		
0.875% due 10-15-25 to 7-15-31		
(valued at \$252,826,432)		
	325,000,000	325,000,000

John Hancock Variable Insurance Trust

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

Money Market Trust (continued)

	Shares or Principal Amount	Value
REPURCHASE AGREEMENT (continued)		
Repurchase Agreement with State Street Corp. dated 6-30-23 at 2.380% to be repurchased at \$771,153 on 7-3-23, collateralized by \$790,000 U.S. Treasury Notes, 4.625% due 6-30-25 (valued at \$786,420)	\$ 771,000	\$ 771,000
Repurchase Agreement with State Street Corp. dated 6-30-23 at 5.040% to be repurchased at \$260,109,200 on 7-3-23, collateralized by \$220,436,600 U.S. Treasury Notes, 1.500% - 1.750% due 11-30-28 to 1-31-29 (valued at \$194,965,906) and \$48,000,000 U.S. Treasury Inflation Indexed Bonds, 2.500% due 1-15-29 (valued at \$70,234,146)	260,000,000	260,000,000
TOTAL REPURCHASE AGREEMENT (Cost \$585,771,000)		\$ 585,771,000
Total Investments (Money Market Trust) (Cost \$2,357,109,030) – 100.0%		\$ 2,357,109,030
Other assets and liabilities, net – 0.0%		766,840
TOTAL NET ASSETS – 100.0%		\$ 2,357,875,870

Security Abbreviations and Legend

SOFR	Secured Overnight Financing Rate
USBMMY	U.S. Treasury Bill Money Market Yield
(A)	Variable rate obligation.
(B)	Security purchased or sold on a when-issued or delayed delivery basis.

Opportunistic Fixed Income Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 29.2%		
U.S. Government - 10.0%		
U.S. Treasury Notes		
3.375%, 05/15/2033	\$ 32,000	\$ 30,860
3.500%, 04/30/2028 to 02/15/2033	307,100	299,045
U.S. Treasury Treasury Inflation Protected Securities		
1.125%, 01/15/2033	2,606,720	2,496,876
1.625%, 10/15/2027 (A)	13,474,656	13,275,299
		16,102,080
U.S. Government Agency - 19.2%		
Federal National Mortgage Association		
4.500%, TBA (B)	4,770,000	4,583,673
5.000%, TBA (B)	10,629,000	10,413,514
5.500%, TBA (B)	15,791,000	15,715,102
		30,712,289
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$47,316,449)		\$ 46,814,369
FOREIGN GOVERNMENT OBLIGATIONS - 35.3%		
Angola - 0.1%		
Republic of Angola		
8.750%, 04/14/2032	200,000	167,856
Argentina - 0.3%		
Republic of Argentina		
1.000%, 07/09/2029	34,723	11,240

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Argentina (continued)		
Republic of Argentina (continued)		
1.500%, (1.500% to 7-9-23, then 3.625% to 7-9-24, then 4.125% to 7-9-27, then 4.750% to 7-9-28, then 5.000% thereafter), 07/09/2035	\$ 1,534,439	\$ 457,734
		468,974
Australia - 0.9%		
Commonwealth of Australia		
0.250%, 11/21/2032	AUD 685,000	447,949
Commonwealth of Australia, Inflation Linked Bond		
1.547%, 08/21/2040	1,370,000	1,031,002
		1,478,951
Benin - 0.2%		
Republic of Benin		
4.875%, 01/19/2032	EUR 120,000	98,983
4.950%, 01/22/2035	280,000	214,706
		313,689
Brazil - 7.0%		
Federative Republic of Brazil		
6.000%, 08/15/2050	BRL 77,000	72,538
10.000%, 01/01/2025 to 01/01/2033	52,370,000	10,707,954
10.061%, 01/01/2026 (C)	1,697,000	277,700
10.103%, 07/01/2026 (C)	1,559,000	242,827
		11,301,019
Canada - 1.9%		
Government of Canada		
4.000%, 12/01/2031	CAD 1,129,319	1,017,526
Province of Ontario		
2.000%, 12/01/2036	2,830,150	2,017,690
		3,035,216
Chile - 0.3%		
Republic of Chile		
4.700%, 09/01/2030 (D)	CLP 120,000,000	147,262
5.000%, 03/01/2035	30,000,000	37,743
6.000%, 04/01/2033 (D)	210,000,000	280,747
6.000%, 01/01/2043	55,000,000	77,929
		543,681
Colombia - 1.0%		
Republic of Colombia		
3.875%, 02/15/2061	\$ 645,000	360,269
6.000%, 04/28/2028	COP 132,500,000	27,222
6.125%, 01/18/2041	\$ 645,000	523,881
6.250%, 07/09/2036	COP 66,600,000	11,553
7.250%, 10/18/2034	439,700,000	85,008
7.750%, 09/18/2030	1,396,800,000	297,749
9.250%, 05/28/2042	768,700,000	164,895
13.250%, 02/09/2033	453,200,000	127,389
		1,597,966
Czech Republic - 0.8%		
Czech Republic		
0.950%, 05/15/2030	CZK 7,560,000	276,274
1.200%, 03/13/2031	2,440,000	88,852
1.750%, 06/23/2032 to 06/23/2032	4,740,000	176,235
1.950%, 07/30/2037	460,000	15,868
2.000%, 10/13/2033	2,990,000	110,656
2.500%, 08/25/2028	4,260,000	176,655
4.900%, 04/14/2034	2,230,000	107,604
5.000%, 09/30/2030	4,340,000	205,788
6.000%, 02/26/2026	2,430,000	114,274
		1,272,206

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
Ghana - 0.1%			
Republic of Ghana			
10.750%, 10/14/2030	\$	250,000	\$ 167,107
Greece - 1.0%			
Republic of Greece, GDP-Linked Note			
4.404%, 10/15/2042 (E)*	EUR	409,185,000	1,620,805
Hungary - 0.6%			
Republic of Hungary			
1.000%, 11/26/2025	HUF	11,030,000	27,097
1.625%, 04/28/2032	EUR	520,000	430,108
3.000%, 10/27/2027 to 08/21/2030	HUF	73,020,000	174,873
3.250%, 10/22/2031		47,430,000	107,794
4.500%, 03/23/2028		19,240,000	49,323
4.750%, 11/24/2032		28,850,000	71,814
6.750%, 10/22/2028		42,560,000	119,725
			980,734
Iceland - 2.0%			
Republic of Iceland			
5.000%, 11/15/2028	ISK	433,770,000	2,911,164
6.500%, 01/24/2031		46,170,000	336,272
			3,247,436
Indonesia - 1.2%			
Republic of Indonesia			
1.100%, 03/12/2033	EUR	280,000	225,670
1.400%, 10/30/2031		380,000	327,280
6.375%, 08/15/2028 to 04/15/2032	IDR	6,460,000,000	435,243
6.500%, 02/15/2031		1,940,000,000	130,464
7.000%, 05/15/2027 to 02/15/2033		2,167,000,000	150,443
7.500%, 08/15/2032 to 05/15/2038		7,129,000,000	514,416
8.375%, 03/15/2034		1,157,000,000	88,734
			1,872,250
Israel - 0.1%			
State of Israel			
4.500%, 04/03/2120	\$	200,000	160,850
Japan - 1.0%			
Government of Japan, CPI Linked Bond			
0.005%, 03/10/2033	JPY	221,289,147	1,653,975
Malaysia - 0.9%			
Government of Malaysia			
2.632%, 04/15/2031	MYR	1,580,000	310,432
3.502%, 05/31/2027		305,000	65,000
3.582%, 07/15/2032		855,000	179,398
3.882%, 03/14/2025		1,080,000	233,069
3.885%, 08/15/2029		955,000	205,708
3.906%, 07/15/2026		485,000	105,155
4.254%, 05/31/2035		240,000	52,199
4.696%, 10/15/2042		290,000	66,858
4.893%, 06/08/2038		610,000	143,249
			1,361,068
Mexico - 1.4%			
Government of Mexico			
5.500%, 03/04/2027	MXN	4,905,300	255,278
5.625%, 03/19/2114	GBP	100,000	91,847
7.500%, 05/26/2033	MXN	8,112,200	436,316
7.750%, 05/29/2031 to 11/13/2042		3,123,100	165,151
8.000%, 11/07/2047 to 07/31/2053		3,112,900	165,567
8.500%, 05/31/2029 to 11/18/2038		4,398,800	251,021
10.000%, 11/20/2036		1,035,600	66,866
10.283%, 03/20/2025 (C)		11,795,630	580,796
10.407%, 01/23/2025 (C)		5,348,530	266,914
			2,279,756

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
New Zealand - 3.6%			
Government of New Zealand			
1.500%, 05/15/2031	NZD	690,000	\$ 338,121
2.750%, 05/15/2031		2,975,000	1,261,233
Government of New Zealand, Inflation Linked Bond			
3.089%, 09/20/2040		1,925,000	1,414,587
3.122%, 09/20/2035		2,315,000	1,756,501
3.804%, 09/20/2030		1,280,000	1,039,445
			5,809,887
North Macedonia - 0.4%			
Republic of North Macedonia			
1.625%, 03/10/2028	EUR	470,000	414,138
2.750%, 01/18/2025		150,000	155,611
			569,749
Peru - 0.6%			
Republic of Peru			
5.940%, 02/12/2029	PEN	465,000	125,604
6.150%, 08/12/2032		70,000	18,415
6.350%, 08/12/2028		725,000	202,695
6.900%, 08/12/2037		395,000	107,141
6.950%, 08/12/2031		1,340,000	374,353
7.300%, 08/12/2033 (D)		300,000	84,986
			913,194
Poland - 0.9%			
Republic of Poland			
1.750%, 04/25/2032	PLN	2,060,000	369,143
2.750%, 04/25/2028 to 10/25/2029		1,315,000	278,077
3.250%, 07/25/2025		555,000	129,809
3.750%, 05/25/2027		1,420,000	327,421
6.000%, 10/25/2033		675,000	168,669
7.500%, 07/25/2028		805,000	213,746
			1,486,865
Romania - 1.0%			
Republic of Romania			
2.625%, 12/02/2040 (D)	EUR	540,000	357,426
3.650%, 09/24/2031	RON	365,000	64,769
3.700%, 11/25/2024		90,000	19,102
3.875%, 10/29/2035	EUR	520,000	448,418
4.750%, 10/11/2034	RON	125,000	22,991
4.850%, 07/25/2029		335,000	66,711
5.800%, 07/26/2027		850,000	180,787
6.700%, 02/25/2032		690,000	150,632
8.250%, 09/29/2032		1,125,000	270,845
8.750%, 10/30/2028		360,000	85,901
			1,667,582
Russia - 0.6%			
Government of Russia			
6.900%, 05/23/2029 (F)	RUB	164,290,000	604,477
7.650%, 04/10/2030		84,090,000	347,635
			952,112
Serbia - 0.1%			
Republic of Serbia			
1.650%, 03/03/2033	EUR	100,000	72,450
South Africa - 1.7%			
Republic of South Africa			
5.875%, 04/20/2032	\$	200,000	176,900
6.250%, 03/31/2036	ZAR	4,615,000	156,365
7.000%, 02/28/2031		1,345,000	57,162
8.000%, 01/31/2030		7,655,000	359,114
8.250%, 03/31/2032		7,665,000	341,685
8.500%, 01/31/2037		7,080,000	287,470
8.750%, 01/31/2044		24,685,000	959,792
8.875%, 02/28/2035		6,265,000	272,286

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)			
South Africa (continued)			
Republic of South Africa (continued)			
9.000%, 01/31/2040	ZAR	4,160,000	\$ 169,749
			2,780,523
South Korea - 2.2%			
Republic of Korea, Inflation Linked Bond			
1.125%, 06/10/2030	KRW	3,083,021,359	2,269,143
1.750%, 06/10/2028		1,602,022,327	1,233,851
			3,502,994
Spain - 0.5%			
Kingdom of Spain			
1.900%, 10/31/2052 (D)	EUR	1,150,000	828,622
Sri Lanka - 0.1%			
Democratic Socialist Republic of Sri Lanka			
6.750%, 04/18/2028	\$	200,000	90,102
Sweden - 1.9%			
Kingdom of Sweden, Inflation Linked Bond			
0.161%, 06/01/2032	SEK	26,820,000	3,020,248
Thailand - 0.5%			
Kingdom of Thailand			
1.000%, 06/17/2027	THB	6,320,000	169,650
1.585%, 12/17/2035			8,830,000
1.600%, 12/17/2029			1,010,000
2.000%, 12/17/2031 to 06/17/2042			8,970,000
2.875%, 06/17/2046			775,000
3.350%, 06/17/2033			1,185,000
3.450%, 06/17/2043			3,690,000
			822,125
Ukraine - 0.1%			
Republic of Ukraine			
7.253%, 03/15/2035	\$	520,000	119,600
United Kingdom - 0.2%			
United Kingdom of Great Britain			
0.500%, 10/22/2061	GBP	720,000	289,590
Uruguay - 0.1%			
Republic of Uruguay			
8.500%, 03/15/2028	UYU	7,838,000	198,117
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$65,225,287)			\$ 56,647,299
CORPORATE BONDS - 17.5%			
Australia - 0.3%			
FMG Resources Proprietary, Ltd.			
4.375%, 04/01/2031 (D)	\$	125,000	106,727
5.875%, 04/15/2030 (D)			16,188
Macquarie Bank, Ltd.			
6.798%, 01/18/2033 (D)		200,000	200,678
Macquarie Group, Ltd.			
5.887%, (5.887% to 6-15-33, then SOFR + 2.380%), 06/15/2034 (D)		105,000	103,159
Newcrest Finance Pty, Ltd.			
5.750%, 11/15/2041 (D)		23,000	22,834
			449,586
Austria - 0.1%			
Klabn Austria GmbH			
7.000%, 04/03/2049 (D)		200,000	191,660
Bermuda - 0.0%			
Carnival Holdings Bermuda, Ltd.			
10.375%, 05/01/2028 (D)		5,000	5,469

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Canada - 0.6%		
Bausch Health Companies, Inc.		
4.875%, 06/01/2028 (D)	\$ 29,000	\$ 17,261
5.250%, 01/30/2030 (D)	185,000	76,775
Emera, Inc.		
6.750%, (6.750% to 6-15-26, then 3 month LIBOR + 5.440% to 6-15-46, then 3 month LIBOR + 6.190%), 06/15/2076	134,000	129,575
Enbridge, Inc.		
5.750%, (5.750% to 4-15-30, then 5 Year CMT + 5.314%), 07/15/2080	89,000	80,379
6.000%, (6.000% to 1-15-27, then 3 month LIBOR + 3.890%), 01/15/2077	225,000	208,707
Enerflex, Ltd.		
9.000%, 10/15/2027 (D)	7,000	6,811
goeasy, Ltd.		
4.375%, 05/01/2026 (D)	40,000	36,484
5.375%, 12/01/2024 (D)	38,000	36,864
Rogers Communications, Inc.		
4.550%, 03/15/2052 (D)	130,000	104,549
The Bank of Nova Scotia		
3.625%, (3.625% to 10-27-26, then 5 Year CMT + 2.613%), 10/27/2081	200,000	141,373
4.900%, (4.900% to 6-4-25, then 5 Year CMT + 4.551%), 06/04/2025 (G)	88,000	83,078
Transcanada Trust		
5.600%, (5.600% to 12-7-31, then 5 Year CMT + 3.986%), 03/07/2082	110,000	92,696
		1,014,552
Chile - 0.1%		
VTR Comunicaciones SpA		
4.375%, 04/15/2029	200,000	102,000
China - 0.1%		
CIFI Holdings Group Company, Ltd.		
4.375%, 04/12/2027	260,000	28,227
Country Garden Holdings Company, Ltd.		
3.875%, 10/22/2030	290,000	81,476
Times China Holdings, Ltd.		
5.750%, 01/14/2027	200,000	13,264
Yuzhou Group Holdings Company, Ltd.		
6.350%, 01/13/2027 (H)	200,000	8,337
7.375%, 01/13/2026 (H)	200,000	8,337
		139,641
Finland - 0.0%		
Nokia OYJ		
6.625%, 05/15/2039	22,000	21,037
France - 0.9%		
Societe Generale SA		
6.221%, (6.221% to 6-15-32, then 1 Year CMT + 3.200%), 06/15/2033 (D)	420,000	390,988
7.367%, 01/10/2053 (D)	200,000	195,065
TotalEnergies SE		
2.125%, (2.125% to 1-25-33, then 5 Year Euro Swap Rate + 2.513% to 1-25-53, then 5 Year Euro Swap Rate + 3.263%), 07/25/2032 (G)	EUR 470,000	368,662
Valeo		
1.000%, 08/03/2028	500,000	441,559
		1,396,274

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Germany - 0.3%		
Allianz SE 2.600%, (2.600% to 10-30-31, then 5 Year Euro Swap Rate + 2.579%), 10/30/2031 (G)	EUR 200,000	\$ 144,693
Deutsche Bank AG 2.311%, (2.311% to 11-16-26, then SOFR + 1.219%), 11/16/2027	\$ 150,000	128,901
3.742%, (3.742% to 10-7-31, then SOFR + 2.257%), 01/07/2033	200,000	146,674
Hannover Rueck SE 1.750%, (1.750% to 7-8-30, then 3 month EURIBOR + 3.000%), 10/08/2040	EUR 100,000	86,409
		506,677
Israel - 0.0%		
Energean Israel Finance, Ltd. 8.500%, 09/30/2033 (D)	\$ 50,000	50,000
Italy - 0.6%		
Assicurazioni Generali SpA 2.429%, 07/14/2031	EUR 600,000	541,531
Castor SpA 6.000%, 02/15/2029	100,000	93,555
Intesa Sanpaolo SpA 6.625%, 06/20/2033 (D)	\$ 200,000	199,266
7.778%, (7.778% to 6-20-53, then 1 Year CMT + 3.900%), 06/20/2054 (D)	200,000	199,249
		1,033,601
Japan - 0.1%		
Rakuten Group, Inc. 4.250%, (4.250% to 4-22-27, then 5 Year Euro Swap Rate + 4.740%), 04/22/2027 (G)	EUR 200,000	101,482
Luxembourg - 0.1%		
Schlumberger Investment SA 4.500%, 05/15/2028	\$ 35,000	34,444
Trinseo Materials Operating SCA 5.125%, 04/01/2029 (D)	105,000	48,563
		83,007
Malta - 0.1%		
VistaJet Malta Finance PLC 6.375%, 02/01/2030 (D)	172,000	138,500
9.500%, 06/01/2028 (D)	15,000	13,772
		152,272
Mexico - 0.1%		
America Movil SAB de CV 4.700%, 07/21/2032	200,000	192,880
Unifin Financiera SAB de CV 8.375%, 01/27/2028 (H)	205,000	6,150
		199,030
Netherlands - 0.4%		
Petrobras Global Finance BV 6.500%, 07/03/2033	205,000	200,593
Teva Pharmaceutical Finance Netherlands II BV 4.375%, 05/09/2030	EUR 460,000	427,271
		627,864
Norway - 0.2%		
Var Energi ASA 8.000%, 11/15/2032 (D)	\$ 225,000	238,052

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Romania - 0.1%		
Banca Transilvania SA 8.875%, (8.875% to 4-27-26, then 1 Year EURIBOR ICE Swap Rate + 5.580%), 04/27/2027	EUR 100,000	\$ 111,900
Singapore - 0.1%		
Medco Bell Pte, Ltd. 6.375%, 01/30/2027	\$ 200,000	187,143
Pfizer Investment Enterprises Pte, Ltd. 5.110%, 05/19/2043	20,000	20,045
		207,188
Switzerland - 0.1%		
UBS Group AG 2.193%, (2.193% to 6-5-25, then SOFR + 2.044%), 06/05/2026 (D)	250,000	229,242
United Kingdom - 0.7%		
Anglo American Capital PLC 2.625%, 09/10/2030 (D)	330,000	272,211
5.625%, 04/01/2030 (D)	400,000	398,171
AstraZeneca PLC 6.450%, 09/15/2037	10,000	11,465
Barclays PLC 7.119%, (7.119% to 6-27-33, then SOFR + 3.570%), 06/27/2034	205,000	204,918
BP Capital Markets PLC 4.875%, (4.875% to 6-22-30, then 5 Year CMT + 4.398% to 6-22-50, then 5 Year CMT + 5.148%), 03/22/2030 (G)	52,000	47,268
HSBC Holdings PLC 6.547%, (6.547% to 6-20-33, then SOFR + 2.980%), 06/20/2034	200,000	199,224
Vodafone Group PLC 4.375%, 02/19/2043	30,000	25,193
		1,158,450
United States - 12.5%		
AbbVie, Inc. 4.250%, 11/21/2049	40,000	34,525
4.550%, 03/15/2035	15,000	14,284
Activision Blizzard, Inc. 2.500%, 09/15/2050	13,000	8,363
4.500%, 06/15/2047	39,000	35,932
Adams Homes, Inc. 7.500%, 02/15/2025 (D)	10,000	9,818
Advanced Drainage Systems, Inc. 6.375%, 06/15/2030 (D)	20,000	19,785
Aircastle, Ltd. 5.250%, (5.250% to 9-15-26, then 5 Year CMT + 4.410% to 9-15-31, then 5 Year CMT + 4.660% to 9-15-46, then 5 Year CMT + 5.160%), 06/15/2026 (D)(G)	115,000	80,259
Alliant Holdings Intermediate LLC 6.750%, 10/15/2027 (D)	154,000	144,760
Ally Financial, Inc. 4.700%, (4.700% to 5-15-28, then 7 Year CMT + 3.481%), 05/15/2028 (G)	74,000	47,730
American International Group, Inc. 4.375%, 06/30/2050	120,000	101,320
4.500%, 07/16/2044	35,000	30,148
4.750%, 04/01/2048	95,000	85,213
AmeriGas Partners LP 5.750%, 05/20/2027	117,000	107,550
9.375%, 06/01/2028 (D)	110,000	111,718

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Amgen, Inc.		
5.250%, 03/02/2030	\$ 25,000	\$ 25,050
5.600%, 03/02/2043	5,000	5,015
Anheuser-Busch Companies LLC		
4.900%, 02/01/2046	17,000	16,248
5.450%, 01/23/2039	20,000	20,666
Anheuser-Busch InBev Worldwide, Inc.		
5.550%, 01/23/2049	15,000	15,810
Antero Resources Corp.		
5.375%, 03/01/2030 (D)	60,000	55,545
Apple, Inc.		
2.650%, 05/11/2050	22,000	15,315
APX Group, Inc.		
5.750%, 07/15/2029 (D)	19,000	16,490
Aramark Services, Inc.		
6.375%, 05/01/2025 (D)	26,000	25,976
Arizona Public Service Company		
5.550%, 08/01/2033	235,000	235,170
Arthur J. Gallagher & Company		
5.750%, 03/02/2053	205,000	206,005
Ashton Woods USA LLC		
4.625%, 04/01/2030 (D)	45,000	38,412
AssuredPartners, Inc.		
5.625%, 01/15/2029 (D)	148,000	128,100
AT&T, Inc.		
0.900%, 03/25/2024	20,000	19,317
2.300%, 06/01/2027	32,000	28,780
3.500%, 06/01/2041 to 09/15/2053	57,000	41,666
4.300%, 12/15/2042	5,000	4,245
Athene Global Funding		
0.914%, 08/19/2024 (D)	40,000	37,377
ATI, Inc.		
4.875%, 10/01/2029	2,000	1,800
5.875%, 12/01/2027	2,000	1,936
AutoZone, Inc.		
4.750%, 08/01/2032 to 02/01/2033	100,000	96,258
Bank of America Corp.		
2.087%, (2.087% to 6-14-28, then SOFR + 1.060%), 06/14/2029	29,000	24,742
5.202%, (5.202% to 4-25-28, then SOFR + 1.630%), 04/25/2029	40,000	39,563
5.288%, (5.288% to 4-25-33, then SOFR + 1.910%), 04/25/2034	55,000	54,489
BCPE Ulysses Intermediate, Inc.		
7.750%, (7.750% Cash or 8.500% PIK), 04/01/2027 (D)	69,000	60,755
Becton, Dickinson and Company		
3.700%, 06/06/2027	30,000	28,523
Black Knight InfoServ LLC		
3.625%, 09/01/2028 (D)	675,000	604,125
BlackRock, Inc.		
4.750%, 05/25/2033	30,000	29,479
Blackstone Holdings Finance Company LLC		
6.200%, 04/22/2033 (D)	95,000	97,032
Blue Racer Midstream LLC		
7.625%, 12/15/2025 (D)	10,000	10,109
BP Capital Markets America, Inc.		
4.893%, 09/11/2033	20,000	19,793
Bristol-Myers Squibb Company		
3.400%, 07/26/2029	20,000	18,577
3.550%, 03/15/2042	25,000	20,728
Broadcom Corp.		
3.875%, 01/15/2027	74,000	70,566

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Broadcom, Inc.		
4.300%, 11/15/2032	\$ 29,000	\$ 26,601
Buckeye Partners LP		
9.293%, (3 month LIBOR + 4.020%), 01/22/2078 (I)	38,000	31,920
Builders FirstSource, Inc.		
4.250%, 02/01/2032 (D)	25,000	21,754
5.000%, 03/01/2030 (D)	5,000	4,675
Caesars Entertainment, Inc.		
7.000%, 02/15/2030 (D)	60,000	60,254
8.125%, 07/01/2027 (D)	111,000	113,605
Capital One Financial Corp.		
2.359%, (2.359% to 7-29-31, then SOFR + 1.337%), 07/29/2032	130,000	91,808
6.312%, (6.312% to 6-8-28, then SOFR + 2.640%), 06/08/2029	45,000	44,697
6.377%, (6.377% to 6-8-33, then SOFR + 2.860%), 06/08/2034	105,000	104,248
Carnival Corp.		
6.000%, 05/01/2029 (D)	123,000	109,819
7.625%, 03/01/2026 (D)	11,000	10,773
CBRE Services, Inc.		
5.950%, 08/15/2034	42,000	41,472
CCO Holdings LLC		
4.500%, 06/01/2033 (D)	21,000	16,491
5.375%, 06/01/2029 (D)	156,000	141,039
Celanese US Holdings LLC		
6.330%, 07/15/2029	40,000	39,725
CenterPoint Energy, Inc.		
6.125%, (6.125% to 9-1-23, then 3 month LIBOR + 3.270%), 09/01/2023 (G)	33,000	31,847
CF Industries, Inc.		
5.375%, 03/15/2044	115,000	104,714
Charter Communications Operating LLC		
3.700%, 04/01/2051	40,000	25,275
Cheniere Energy Partners LP		
3.250%, 01/31/2032	50,000	41,133
Citigroup, Inc.		
4.000%, (4.000% to 12-10-25, then 5 Year CMT + 3.597%), 12/10/2025 (G)	76,000	64,885
7.375%, (7.375% to 5-15-28, then 5 Year CMT + 3.209%), 05/15/2028 (G)	65,000	64,523
Citizens Financial Group, Inc.		
5.650%, (5.650% to 10-6-25, then 5 Year CMT + 5.313%), 10/06/2025 (G)	53,000	46,497
Clydesdale Acquisition Holdings, Inc.		
6.625%, 04/15/2029 (D)	10,000	9,537
8.750%, 04/15/2030 (D)	247,000	218,033
CMS Energy Corp.		
4.750%, (4.750% to 3-1-30, then 5 Year CMT + 4.116%), 06/01/2050	75,000	64,480
CoBank ACB		
6.250%, (6.250% to 10-1-26, then 3 month LIBOR + 4.660%), 10/01/2026 (G)	41,000	38,422
Coherent Corp.		
5.000%, 12/15/2029 (D)	14,000	12,637
Comcast Corp.		
2.800%, 01/15/2051	12,000	7,943
3.750%, 04/01/2040	42,000	35,387
CommonSpirit Health		
3.817%, 10/01/2049	115,000	87,546

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Community Health Network, Inc. 3.099%, 05/01/2050	\$ 220,000	\$ 142,447
Compass Group Diversified Holdings LLC 5.250%, 04/15/2029 (D)	105,000	92,034
Corebridge Financial, Inc. 6.875%, (6.875% to 9-15-27, then 5 Year CMT + 3.846%), 12/15/2052	90,000	86,264
Covanta Holding Corp. 5.000%, 09/01/2030	130,000	110,256
Crestwood Midstream Partners LP 6.000%, 02/01/2029 (D)	3,000	2,801
7.375%, 02/01/2031 (D)	11,000	10,842
Crocs, Inc. 4.125%, 08/15/2031 (D)	219,000	176,843
CSC Holdings LLC 4.125%, 12/01/2030 (D)	245,000	171,384
Dell International LLC 5.250%, 02/01/2028	15,000	14,969
5.750%, 02/01/2033	20,000	20,192
Diamondback Energy, Inc. 6.250%, 03/15/2053	15,000	15,173
Discover Financial Services 6.125%, (6.125% to 6-23-25, then 5 Year CMT + 5.783%), 06/23/2025 (G)	69,000	65,753
Discovery Communications LLC 4.000%, 09/15/2055	52,000	34,562
5.000%, 09/20/2037	22,000	18,829
DISH DBS Corp. 5.125%, 06/01/2029	20,000	9,287
5.750%, 12/01/2028 (D)	28,000	20,826
Dollar General Corp. 5.450%, 07/05/2033	225,000	223,328
Dollar Tree, Inc. 3.375%, 12/01/2051	155,000	104,443
Dominion Energy South Carolina, Inc. 5.300%, 05/15/2033	12,000	12,103
Dominion Energy, Inc. 3.071%, 08/15/2024	40,000	38,632
4.350%, (4.350% to 1-15-27, then 5 Year CMT + 3.195%), 01/15/2027 (G)	191,000	160,463
4.650%, (4.650% to 12-15-24, then 5 Year CMT + 2.993%), 12/15/2024 (G)	45,000	40,460
4.850%, 08/15/2052	20,000	17,747
Duke Energy Corp. 4.875%, (4.875% to 9-16-24, then 5 Year CMT + 3.388%), 09/16/2024 (G)	34,000	32,654
Earthstone Energy Holdings LLC 8.000%, 04/15/2027 (D)	14,000	13,521
9.875%, 07/15/2031 (D)	155,000	153,210
Edison International 5.375%, (5.375% to 3-15-26, then 5 Year CMT + 4.698%), 03/15/2026 (G)	129,000	112,733
6.950%, 11/15/2029	50,000	52,594
Elanco Animal Health, Inc. 6.650%, 08/28/2028	35,000	33,959
Embarq Corp. 7.995%, 06/01/2036	4,000	2,418
Emera US Finance LP 4.750%, 06/15/2046	30,000	24,336
Energy Transfer LP 4.200%, 04/15/2027	15,000	14,322

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Energy Transfer LP (continued) 4.750%, 01/15/2026	\$ 22,000	\$ 21,506
5.000%, 05/15/2050	10,000	8,446
EnLink Midstream LLC 5.625%, 01/15/2028 (D)	75,000	72,576
6.500%, 09/01/2030 (D)	8,000	7,990
EnLink Midstream Partners LP 5.450%, 06/01/2047	86,000	70,692
Enterprise Products Operating LLC 5.250%, (5.250% to 8-16-27, then 3 month CME Term SOFR + 3.295%), 08/16/2077	18,000	15,740
8.304%, (3 month LIBOR + 2.986%), 08/16/2077 (I)	86,000	84,566
Equitable Financial Life Global Funding 1.800%, 03/08/2028 (D)	50,000	42,168
Extra Space Storage LP 5.500%, 07/01/2030	10,000	9,917
5.700%, 04/01/2028	65,000	64,936
Fifth Third Bancorp 4.500%, (4.500% to 9-30-25, then 5 Year CMT + 4.215%), 09/30/2025 (G)	37,000	32,630
First Student Bidco, Inc. 4.000%, 07/31/2029 (D)	125,000	105,920
FirstCash, Inc. 4.625%, 09/01/2028 (D)	676,000	603,805
5.625%, 01/01/2030 (D)	215,000	194,322
FirstEnergy Corp. 5.100%, 07/15/2047	25,000	22,426
7.375%, 11/15/2031	40,000	45,622
Flex, Ltd. 4.875%, 05/12/2030	17,000	16,418
Freedom Mortgage Corp. 7.625%, 05/01/2026 (D)	82,000	75,482
Frontier Communications Holdings LLC 5.000%, 05/01/2028 (D)	2,000	1,726
5.875%, 10/15/2027 (D)	11,000	10,095
6.750%, 05/01/2029 (D)	142,000	110,164
Gen Digital, Inc. 6.750%, 09/30/2027 (D)	2,000	1,994
7.125%, 09/30/2030 (D)	10,000	10,017
General Motors Financial Company, Inc. 5.700%, (5.700% to 9-30-30, then 5 Year CMT + 4.997%), 09/30/2030 (G)	92,000	80,762
Georgia Power Company 4.300%, 03/15/2042	45,000	38,785
5.125%, 05/15/2052	10,000	9,710
Gilead Sciences, Inc. 2.800%, 10/01/2050	20,000	13,528
4.600%, 09/01/2035	15,000	14,443
Global Atlantic Fin Company 7.950%, 06/15/2033 (D)	103,000	103,504
Gray Escrow II, Inc. 5.375%, 11/15/2031 (D)	105,000	69,593
Gray Oak Pipeline LLC 2.000%, 09/15/2023 (D)	15,000	14,873
Great Lakes Dredge & Dock Corp. 5.250%, 06/01/2029 (D)	400,000	334,092
GTCR AP Finance, Inc. 8.000%, 05/15/2027 (D)	80,000	78,419
Hanesbrands, Inc. 9.000%, 02/15/2031 (D)	75,000	75,590
Hawaiian Brand Intellectual Property, Ltd. 5.750%, 01/20/2026 (D)	79,171	74,938

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
HCA, Inc. 3.625%, 03/15/2032 (D)	\$ 20,000	\$ 17,360
4.625%, 03/15/2052 (D)	20,000	16,435
Hess Corp. 7.125%, 03/15/2033	35,000	38,178
Hightower Holding LLC 6.750%, 04/15/2029 (D)	180,000	155,686
Honeywell International, Inc. 0.750%, 03/10/2032	EUR 100,000	84,093
HUB International, Ltd. 5.625%, 12/01/2029 (D)	\$ 125,000	112,135
7.250%, 06/15/2030 (D)	85,000	87,771
Humana, Inc. 3.125%, 08/15/2029	30,000	26,482
Huntington Bancshares, Inc. 4.000%, 05/15/2025	30,000	28,756
4.443%, (4.443% to 8-4-27, then SOFR + 1.970%), 08/04/2028	25,000	23,225
5.023%, (5.023% to 5-17-32, then SOFR + 2.050%), 05/17/2033	15,000	13,710
8.140%, (3 month LIBOR + 2.880%), 10/15/2023 (G)(I)	37,000	31,483
Illumina, Inc. 5.750%, 12/13/2027	20,000	20,088
Intel Corp. 3.050%, 08/12/2051	15,000	10,052
4.900%, 08/05/2052	15,000	13,845
Intercontinental Exchange, Inc. 4.950%, 06/15/2052	20,000	18,973
International Flavors & Fragrances, Inc. 2.300%, 11/01/2030 (D)	50,000	39,622
Iron Mountain, Inc. 5.250%, 07/15/2030 (D)	2,000	1,802
7.000%, 02/15/2029 (D)	155,000	155,261
JPMorgan Chase & Co. 4.323%, (4.323% to 4-26-27, then SOFR + 1.560%), 04/26/2028	45,000	43,436
5.350%, (5.350% to 6-1-33, then SOFR + 1.845%), 06/01/2034	35,000	35,279
5.500%, 10/15/2040	27,000	27,720
KB Home 4.000%, 06/15/2031	10,000	8,622
Kenvue, Inc. 5.050%, 03/22/2053 (D)	10,000	10,206
KeySpan Gas East Corp. 5.994%, 03/06/2033 (D)	105,000	105,815
Kyndryl Holdings, Inc. 3.150%, 10/15/2031	65,000	48,771
4.100%, 10/15/2041	60,000	40,086
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (D)	42,000	36,494
4.750%, 06/15/2029 (D)	5,000	4,069
LBM Acquisition LLC 6.250%, 01/15/2029 (D)	92,000	76,107
Lear Corp. 3.800%, 09/15/2027	7,000	6,500
Lennar Corp. 4.750%, 11/29/2027	26,000	25,227
LFS Topco LLC 5.875%, 10/15/2026 (D)	80,000	70,294
Liberty Mutual Group, Inc. 4.125%, (4.125% to 9-15-26, then 5 Year CMT + 3.315%), 12/15/2051 (D)	39,000	30,646
4.300%, 02/01/2061 (D)	380,000	239,044

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
M&T Bank Corp. 3.550%, 07/26/2023	\$ 20,000	\$ 19,962
4.553%, (4.553% to 8-16-27, then SOFR + 1.780%), 08/16/2028	15,000	14,012
5.053%, (5.053% to 1-27-33, then SOFR + 1.850%), 01/27/2034	20,000	18,266
5.125%, (5.125% to 11-1-26, then 3 month LIBOR + 3.520%), 11/01/2026 (G)	41,000	32,364
M/I Homes, Inc. 3.950%, 02/15/2030	61,000	52,003
MajorDrive Holdings IV LLC 6.375%, 06/01/2029 (D)	100,000	79,402
Matador Resources Company 6.875%, 04/15/2028 (D)	5,000	4,949
Mauser Packaging Solutions Holding Company 7.875%, 08/15/2026 (D)	4,000	3,974
McAfee Corp. 7.375%, 02/15/2030 (D)	15,000	13,043
McKesson Corp. 5.100%, 07/15/2033	15,000	15,053
Medline Borrower LP 3.875%, 04/01/2029 (D)	15,000	13,036
5.250%, 10/01/2029 (D)	180,000	156,186
Merck & Company, Inc. 4.300%, 05/17/2030	30,000	29,361
4.900%, 05/17/2044	15,000	15,039
5.150%, 05/17/2063	10,000	10,214
Meta Platforms, Inc. 4.950%, 05/15/2033	15,000	14,988
5.600%, 05/15/2053	15,000	15,405
Micron Technology, Inc. 4.185%, 02/15/2027	40,000	38,324
5.875%, 09/15/2033	17,000	16,846
Microsoft Corp. 3.450%, 08/08/2036	27,000	24,626
Midcap Financial Issuer Trust 6.500%, 05/01/2028 (D)	60,000	53,400
Morgan Stanley 0.790%, (0.790% to 5-30-24, then SOFR + 0.525%), 05/30/2025	22,000	20,899
3.622%, (3.622% to 4-1-30, then SOFR + 3.120%), 04/01/2031	42,000	37,846
MSCI, Inc. 3.625%, 09/01/2030 (D)	115,000	99,175
3.875%, 02/15/2031 (D)	30,000	25,996
Nabors Industries, Inc. 7.375%, 05/15/2027 (D)	7,000	6,661
Nasdaq, Inc. 5.550%, 02/15/2034	25,000	25,098
National Rural Utilities Cooperative Finance Corp. 8.209%, (3 month LIBOR + 2.910%), 04/30/2043 (I)	42,000	40,723
Nationstar Mortgage Holdings, Inc. 5.125%, 12/15/2030 (D)	55,000	44,616
5.750%, 11/15/2031 (D)	556,000	456,723
NCL Corp., Ltd. 7.750%, 02/15/2029 (D)	168,000	159,568
NextEra Energy Capital Holdings, Inc. 5.250%, 02/28/2053	30,000	28,880
Noble Finance II LLC 8.000%, 04/15/2030 (D)	5,000	5,083

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Nordstrom, Inc. 2.300%, 04/08/2024	\$ 35,000	\$ 33,678
Novelis Corp. 4.750%, 01/30/2030 (D)	160,000	142,193
NRG Energy, Inc. 7.000%, 03/15/2033 (D)	100,000	100,829
Occidental Petroleum Corp. 4.500%, 07/15/2044	50,000	38,125
	6.450%, 09/15/2036	15,000
OneMain Finance Corp. 6.625%, 01/15/2028	50,000	47,164
	9.000%, 01/15/2029	145,000
Open Text Holdings, Inc. 4.125%, 12/01/2031 (D)	118,000	96,727
Oracle Corp. 3.600%, 04/01/2050	70,000	50,019
	6.500%, 04/15/2038	8,000
OT Merger Corp. 7.875%, 10/15/2029 (D)	130,000	81,252
Ovintiv, Inc. 5.650%, 05/15/2025	25,000	24,801
	6.250%, 07/15/2033	25,000
	7.100%, 07/15/2053	35,000
Owens & Minor, Inc. 4.500%, 03/31/2029 (D)	90,000	74,735
	6.625%, 04/01/2030 (D)	5,000
Pacific Gas & Electric Company 3.400%, 08/15/2024	40,000	38,704
	4.950%, 07/01/2050	63,000
	6.400%, 06/15/2033	75,000
	6.700%, 04/01/2053	38,000
	6.750%, 01/15/2053	125,000
Paramount Global 5.250%, 04/01/2044	27,000	20,505
	6.250%, (6.250% to 2-28-27, then 3 month LIBOR + 3.899%), 02/28/2057	95,000
PennyMac Financial Services, Inc. 4.250%, 02/15/2029 (D)	430,000	345,389
	5.750%, 09/15/2031 (D)	48,000
Penske Truck Leasing Company LP 5.750%, 05/24/2026 (D)	40,000	39,617
Performance Food Group, Inc. 4.250%, 08/01/2029 (D)	212,000	188,746
PetSmart, Inc. 7.750%, 02/15/2029 (D)	250,000	248,395
Philip Morris International, Inc. 5.125%, 02/15/2030	30,000	29,662
	5.375%, 02/15/2033	5,000
	6.375%, 05/16/2038	25,000
Plains All American Pipeline LP 3.800%, 09/15/2030	34,000	30,168
Post Holdings, Inc. 4.625%, 04/15/2030 (D)	30,000	26,291
	5.500%, 12/15/2029 (D)	118,000
PPL Capital Funding, Inc. 8.203%, (3 month LIBOR + 2.665%), 03/30/2067 (I)	39,000	34,418
Presidio Holdings, Inc. 8.250%, 02/01/2028 (D)	78,000	74,267
Principal Life Global Funding II 1.375%, 01/10/2025 (D)	45,000	41,969
Prologis LP 5.250%, 06/15/2053	45,000	44,218

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Prudential Financial, Inc. 6.750%, (6.750% to 3-1-33, then 5 Year CMT + 2.848%), 03/01/2053	\$ 65,000	\$ 65,389
Qualcomm, Inc. 4.500%, 05/20/2052	20,000	18,194
Range Resources Corp. 4.750%, 02/15/2030 (D)	15,000	13,444
	8.250%, 01/15/2029	45,000
Regions Financial Corp. 1.800%, 08/12/2028	25,000	20,193
Reinsurance Group of America, Inc. 8.217%, (3 month LIBOR + 2.665%), 12/15/2065 (I)	37,000	31,395
RHP Hotel Properties LP 7.250%, 07/15/2028 (D)	30,000	30,307
Royal Caribbean Cruises, Ltd. 5.500%, 08/31/2026 (D)	21,000	19,910
	11.625%, 08/15/2027 (D)	3,000
Royalty Pharma PLC 3.300%, 09/02/2040	21,000	14,951
S&P Global, Inc. 2.700%, 03/01/2029	10,000	9,000
Sasol Financing USA LLC 8.750%, 05/03/2029 (D)	200,000	194,828
Sempra Energy 4.125%, (4.125% to 1-1-27, then 5 Year CMT + 2.868%), 04/01/2052	190,000	153,560
	4.875%, (4.875% to 10-15-25, then 5 Year CMT + 4.550%), 10/15/2025 (G)	104,000
	5.500%, 08/01/2033	105,000
Signal Parent, Inc. 6.125%, 04/01/2029 (D)	9,000	5,018
Simon Property Group LP 5.850%, 03/08/2053	310,000	307,861
Southern California Edison Company 0.975%, 08/01/2024	20,000	18,985
	4.875%, 03/01/2049	20,000
	5.875%, 12/01/2053	105,000
SRS Distribution, Inc. 6.125%, 07/01/2029 (D)	12,000	10,364
STL Holding Company LLC 7.500%, 02/15/2026 (D)	100,000	91,750
Synchrony Financial 7.250%, 02/02/2033	205,000	184,617
Sysco Corp. 6.600%, 04/01/2040	20,000	21,681
Targa Resources Corp. 6.250%, 07/01/2052	20,000	19,550
Terex Corp. 5.000%, 05/15/2029 (D)	145,000	134,804
The Boeing Company 3.950%, 08/01/2059	15,000	11,078
	5.805%, 05/01/2050	30,000
The Charles Schwab Corp. 5.375%, (5.375% to 6-1-25, then 5 Year CMT + 4.971%), 06/01/2025 (G)	34,000	32,494
	5.643%, (5.643% to 5-19-28, then SOFR + 2.210%), 05/19/2029	30,000
	5.853%, (5.853% to 5-19-33, then SOFR + 2.500%), 05/19/2034	30,000
The Dun & Bradstreet Corp. 5.000%, 12/15/2029 (D)	30,000	26,452

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
The Estee Lauder Companies, Inc. 4.650%, 05/15/2033	\$ 10,000	\$ 9,832
5.150%, 05/15/2053	10,000	10,184
The Gap, Inc. 3.625%, 10/01/2029 (D)	183,000	129,307
3.875%, 10/01/2031 (D)	347,000	237,528
The Goldman Sachs Group, Inc. 1.948%, (1.948% to 10-21-26, then SOFR + 0.913%), 10/21/2027	50,000	44,476
4.482%, (4.482% to 8-23-27, then SOFR + 1.725%), 08/23/2028	42,000	40,606
The Hertz Corp. 5.000%, 12/01/2029 (D)	9,000	7,441
The Home Depot, Inc. 4.950%, 09/15/2052	25,000	24,830
The Michaels Companies, Inc. 7.875%, 05/01/2029 (D)	87,000	58,620
The Southern Company 4.000%, (4.000% to 10-15-25, then 5 Year CMT + 3.733%), 01/15/2051	69,000	63,813
The Toledo Hospital 5.750%, 11/15/2038	100,000	98,427
The William Carter Company 5.625%, 03/15/2027 (D)	393,000	381,339
T-Mobile USA, Inc. 3.000%, 02/15/2041	20,000	14,622
TopBuild Corp. 3.625%, 03/15/2029 (D)	90,000	78,317
TransDigm, Inc. 6.250%, 03/15/2026 (D)	25,000	24,878
Transocean, Inc. 8.750%, 02/15/2030 (D)	4,000	4,060
U.S. Steel Corp. 6.875%, 03/01/2029	11,000	10,880
Uber Technologies, Inc. 4.500%, 08/15/2029 (D)	199,000	183,159
United Parcel Service, Inc. 5.050%, 03/03/2053	110,000	111,879
United Wholesale Mortgage LLC 5.500%, 04/15/2029 (D)	524,000	449,330
UnitedHealth Group, Inc. 3.750%, 10/15/2047	27,000	22,222
5.350%, 02/15/2033	30,000	31,173
Unum Group 4.125%, 06/15/2051	30,000	21,917
Venture Global Calcasieu Pass LLC 4.125%, 08/15/2031 (D)	180,000	154,794
Verizon Communications, Inc. 2.100%, 03/22/2028	37,000	32,503
3.400%, 03/22/2041	22,000	16,980
Viking Cruises, Ltd. 7.000%, 02/15/2029 (D)	80,000	74,400
9.125%, 07/15/2031 (D)	80,000	80,800
Virginia Electric & Power Company 6.000%, 05/15/2037	5,000	5,202
Walmart, Inc. 4.100%, 04/15/2033	20,000	19,419
WarnerMedia Holdings, Inc. 3.755%, 03/15/2027	9,000	8,395
5.050%, 03/15/2042	37,000	31,186
5.141%, 03/15/2052	6,000	4,885
Weatherford International, Ltd. 8.625%, 04/30/2030 (D)	8,000	8,122

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
Wells Fargo & Company 3.900%, (3.900% to 3-15-26, then 5 Year CMT + 3.453%), 03/15/2026 (G)	\$ 76,000	\$ 66,910
4.808%, (4.808% to 7-25-27, then SOFR + 1.980%), 07/25/2028	40,000	39,097
5.389%, (5.389% to 4-24-33, then SOFR + 2.020%), 04/24/2034	50,000	49,681
Western Midstream Operating LP 4.300%, 02/01/2030	183,000	164,306
Willis North America, Inc. 5.350%, 05/15/2033	40,000	39,003
Windsor Holdings III LLC 8.500%, 06/15/2030 (D)	115,000	114,462
		20,014,563
TOTAL CORPORATE BONDS (Cost \$30,183,883)		\$ 28,033,547
CONVERTIBLE BONDS - 4.9%		
Canada - 0.1%		
Shopify, Inc. 0.125%, 11/01/2025	125,000	113,250
China - 0.3%		
NIO, Inc. 0.500%, 02/01/2027	402,000	333,660
Smart Insight International, Ltd. 4.500%, 12/05/2023	HKD 2,000,000	179,173
		512,833
Denmark - 0.2%		
Ascendis Pharma A/S 2.250%, 04/01/2028	\$ 395,000	358,463
Israel - 0.0%		
SolarEdge Technologies, Inc., Zero Coupon 0.000%, 09/15/2025	3,000	3,558
Luxembourg - 0.0%		
Arrival SA 3.500%, 12/01/2026 (D)	515,000	74,675
Singapore - 0.3%		
Sea, Ltd. 0.250%, 09/15/2026	518,000	415,695
United States - 4.0%		
3D Systems Corp. 8.518%, 11/15/2026 (C)	28,000	21,158
Affirm Holdings, Inc. 9.264%, 11/15/2026 (C)	100,000	73,810
Airbnb, Inc. 5.112%, 03/15/2026 (C)	159,000	138,648
Alarm.com Holdings, Inc. 6.401%, 01/15/2026 (C)	160,000	136,306
Apellis Pharmaceuticals, Inc. 3.500%, 09/15/2026	60,000	143,415
Bandwidth, Inc. 0.250%, 03/01/2026	62,000	48,448
0.500%, 04/01/2028	90,000	57,504
Bentley Systems, Inc. 0.125%, 01/15/2026	145,000	149,139
Beyond Meat, Inc. 43.069%, 03/15/2027 (C)	130,000	33,800
BILL Holdings, Inc. 5.349%, 04/01/2027 (C)	52,000	42,640
Block, Inc. 0.125%, 03/01/2025	427,000	402,448
0.250%, 11/01/2027	197,000	151,074

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
United States (continued)		
Cable One, Inc. 1.125%, 03/15/2028	\$ 60,000	\$ 45,150
Cardlytics, Inc. 1.000%, 09/15/2025	80,000	44,304
Carnival Corp. 5.750%, 12/01/2027 (D)	3,000	4,989
Ceridian HCM Holding, Inc. 0.250%, 03/15/2026	157,000	138,129
CMS Energy Corp. 3.375%, 05/01/2028 (D)	32,000	31,472
Cracker Barrel Old Country Store, Inc. 0.625%, 06/15/2026	120,000	101,700
Cytokinetics, Inc. 3.500%, 07/01/2027 (D)	80,000	73,600
Datadog, Inc. 0.125%, 06/15/2025	70,000	86,870
DigitalOcean Holdings, Inc. 7.375%, 12/01/2026 (C)	127,000	99,198
DraftKings Holdings, Inc. 6.325%, 03/15/2028 (C)	49,000	36,554
Dropbox, Inc. 0.943%, 03/01/2028 (C)	145,000	138,693
Etsy, Inc. 0.125%, 10/01/2026	3,000	3,549
	190,000	146,300
Euronet Worldwide, Inc. 0.750%, 03/15/2049	42,000	40,766
Exact Sciences Corp. 0.375%, 03/15/2027	125,000	134,297
FirstEnergy Corp. 4.000%, 05/01/2026 (D)	17,000	16,915
Health Catalyst, Inc. 2.500%, 04/15/2025	5,000	4,783
JetBlue Airways Corp. 0.500%, 04/01/2026	404,000	331,787
John Bean Technologies Corp. 0.250%, 05/15/2026	134,000	127,099
Lumentum Holdings, Inc. 0.500%, 06/15/2028	100,000	78,635
MP Materials Corp. 0.250%, 04/01/2026 (D)	345,000	305,629
Nabors Industries, Inc. 0.750%, 01/15/2024	26,000	25,051
	5,000	3,743
NCL Corp., Ltd. 2.500%, 02/15/2027	115,000	108,733
Nutanix, Inc. 0.250%, 10/01/2027	50,000	42,281
NuVasive, Inc. 0.375%, 03/15/2025	255,000	230,138
Okta, Inc. 0.125%, 09/01/2025	110,000	99,440
PAR Technology Corp. 1.500%, 10/15/2027	25,000	19,763
Patrick Industries, Inc. 1.750%, 12/01/2028	52,000	50,492
Pebblebrook Hotel Trust 1.750%, 12/15/2026	80,000	67,530
Pegasystems, Inc. 0.750%, 03/01/2025	132,000	120,846
Penn Entertainment, Inc. 2.750%, 05/15/2026	2,000	2,478
Pioneer Natural Resources Company 0.250%, 05/15/2025	3,000	6,596

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
United States (continued)		
PPL Capital Funding, Inc. 2.875%, 03/15/2028 (D)	\$ 32,000	\$ 30,560
Rapid7, Inc. 0.250%, 03/15/2027	135,000	117,197
Redfin Corp. 0.500%, 04/01/2027	230,000	157,390
Repay Holdings Corp. 8.183%, 02/01/2026 (C)(D)	475,000	386,223
RingCentral, Inc. 5.078%, 03/01/2025 (C)	130,000	119,535
Shake Shack, Inc. 4.541%, 03/01/2028 (C)	25,000	20,255
Shift4 Payments, Inc. 0.500%, 08/01/2027	90,000	79,380
Snap, Inc. 0.125%, 03/01/2028	670,000	474,695
Southwest Airlines Company 1.250%, 05/01/2025	9,000	10,319
Splunk, Inc. 1.125%, 06/15/2027	181,000	156,113
Spotify USA, Inc. 6.117%, 03/15/2026 (C)	150,000	127,425
Stem, Inc. 0.500%, 12/01/2028 (D)	135,000	77,519
Teladoc Health, Inc. 1.250%, 06/01/2027	97,000	77,115
The Greenbrier Companies, Inc. 2.875%, 04/15/2028	125,000	123,063
The Middleby Corp. 1.000%, 09/01/2025	4,000	4,966
Uber Technologies, Inc. 3.756%, 12/15/2025 (C)	165,000	150,484
Welltower OP LLC 2.750%, 05/15/2028 (D)	64,000	64,480
Western Digital Corp. 1.500%, 02/01/2024	45,000	43,628
		6,386,247
TOTAL CONVERTIBLE BONDS (Cost \$8,579,738)		\$ 7,864,721
MUNICIPAL BONDS - 1.6%		
United States - 1.6%		
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	60,000	52,504
Chicago Transit Authority (Illinois) 3.502%, 12/01/2033	435,000	383,181
Chicago Transit Authority, Series A (Illinois) 6.899%, 12/01/2040	20,000	22,669
City & County of Denver Company Airport System Revenue (Colorado) 2.717%, 11/15/2034	105,000	85,999
City & County of Denver Company Airport System Revenue (Colorado) 2.867%, 11/15/2037	75,000	59,453
City of Houston Airport System Revenue (Texas) 2.385%, 07/01/2031	240,000	201,327
Commonwealth of Massachusetts, GO 2.514%, 07/01/2041	625,000	465,159
County of Miami-Dade Aviation Revenue (Florida) 2.786%, 10/01/2037	200,000	150,952
County of Miami-Dade Aviation Revenue (Florida) 3.270%, 10/01/2041	50,000	38,756

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
Dallas Fort Worth International Airport (Texas) 3.089%, 11/01/2040	\$ 130,000	\$ 102,160
Dallas Fort Worth International Airport (Texas) 4.087%, 11/01/2051	50,000	44,092
District of Columbia 3.432%, 04/01/2042	405,000	321,690
Grand Parkway Transportation Corp. (Texas) 3.236%, 10/01/2052	190,000	139,619
Metropolitan Transportation Authority (New York) 6.668%, 11/15/2039	15,000	15,918
New York City Transitional Finance Authority 4.750%, 02/01/2029	45,000	44,598
Port Authority of New York & New Jersey 4.823%, 06/01/2045	140,000	133,139
Regents of the University of California Medical Center Pooled Revenue 4.563%, 05/15/2053	140,000	129,926
Sales Tax Securitization Corp. (Illinois) 3.238%, 01/01/2042	25,000	19,949
San Diego County Regional Transportation Commission (California) 3.248%, 04/01/2048	75,000	57,868
San Francisco City & County Airport Commission (California) 2.958%, 05/01/2051	155,000	102,858
State of Illinois, GO 5.100%, 06/01/2033	40,000	39,308
Wisconsin Center District 4.173%, 12/15/2050	65,000	53,757
TOTAL MUNICIPAL BONDS (Cost \$3,325,225)		\$ 2,664,882
TERM LOANS (J) - 4.3%		
Luxembourg - 0.2%		
Delta 2 Lux Sarl, Term Loan B (1 month SOFR + 3.000%) 8.102%, 01/15/2030	140,000	139,930
Sunshine Luxembourg VII Sarl, 2021 Term Loan B3 (3 month SOFR + 3.750%) 9.092%, 10/01/2026	97,504	96,858
		236,788
Netherlands - 0.1%		
Boels Topholding BV, 2021 EUR Term Loan B (1 month EURIBOR + 3.250%) 6.570%, 02/06/2027	EUR 155,000	167,206
Sweden - 0.1%		
Verisure Holding AB, 2020 EUR Term Loan B (3 month EURIBOR + 3.250%) 6.461%, 07/20/2026	155,000	165,251
United States - 3.9%		
Artera Services LLC, Incremental Term Loan (3 month LIBOR + 3.500%) 9.038%, 03/06/2025	\$ 98,000	85,456
Asurion LLC, 2020 Term Loan B8 (3 month LIBOR + 3.250%) 8.788%, 12/23/2026	144,856	139,279
Asurion LLC, 2021 2nd Lien Term Loan B3 (1 month SOFR + 5.250%) 10.453%, 01/31/2028	245,000	207,792

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (J) (continued)		
United States (continued)		
athenahealth, Inc., 2022 Term Loan B (1 month SOFR + 3.500%) 8.589%, 02/15/2029	\$ 88,835	\$ 85,393
Avantor Funding, Inc., 2021 Term Loan B5 (1 month SOFR + 2.250%) 7.452%, 11/08/2027	94,168	94,064
Berlin Packaging LLC, 2021 Term Loan B5 (1 and 3 month LIBOR + 3.750%) 8.948%, 03/11/2028	167,025	163,999
Brown Group Holding LLC, Term Loan B (1 month SOFR + 2.500%) 7.702%, 06/07/2028	171,722	168,932
Caesars Entertainment, Inc., Term Loan B (1 month SOFR + 3.250%) 8.452%, 02/06/2030	104,738	104,642
Carnival Corp., 2021 Incremental Term Loan B (1 month SOFR + 3.250%) 8.467%, 10/18/2028	162,525	160,900
Charter Communications Operating LLC, 2019 Term Loan B2 (3 month SOFR + 1.750%) 6.795%, 02/01/2027	145,101	144,133
Cinemark USA, Inc., 2023 Term Loan B (1 month SOFR + 3.750%) 8.834%, 05/24/2030	124,688	123,870
Cross, Inc., Term Loan B (1 month SOFR + 3.500%) 8.702%, 02/20/2029	106,200	106,357
Dcert Buyer, Inc., 2019 Term Loan B (3 month SOFR + 4.000%) 9.264%, 10/16/2026	193,500	191,505
DT Midstream, Inc., Term Loan B (1 month LIBOR + 2.000%) 7.193%, 06/26/2028	51,913	51,880
EG America LLC, 2021 Term Loan (1 month SOFR + 4.250%) 9.334%, 03/31/2026	98,511	97,834
Elanco Animal Health, Inc., Term Loan B (1 month SOFR + 1.750%) 7.010%, 08/01/2027	104,011	102,028
Emerald Debt Merger Sub LLC, Term Loan B (3 month SOFR + 3.000%) 8.264%, 05/31/2030	191,835	191,655
Epicor Software Corp., 2020 Term Loan (1 month SOFR + 3.250%) 8.334%, 07/30/2027	132,335	130,533
Filtration Group Corp., 2023 USD Term Loan (1 month SOFR + 4.250%) 9.326%, 10/21/2028	109,725	109,588
Gainwell Acquisition Corp., Term Loan B (3 month SOFR + 4.000%) 9.239%, 10/01/2027	112,125	110,303
Great Outdoors Group LLC, 2021 Term Loan B1 (1 month LIBOR + 3.750%) 8.943%, 03/06/2028	273,037	270,648
Hanesbrands, Inc., 2023 Term Loan B (1 month SOFR + 3.750%) 8.852%, 03/08/2030	99,750	99,999
HUB International, Ltd., 2021 Term Loan B (1 and 3 month LIBOR + 3.250%) 8.405%, 04/25/2025	3,923	3,914
Hyland Software, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.500%) 8.693%, 07/01/2024	160,370	158,927
IRB Holding Corp., 2022 Term Loan B (1 month SOFR + 3.000%) 8.202%, 12/15/2027	196,497	194,963

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (J) (continued)		
United States (continued)		
LBM Acquisition LLC, Term Loan B (1 month LIBOR + 3.750%) 8.943%, 12/17/2027	\$ 201,061	\$ 192,704
McAfee Corp., 2022 USD Term Loan B (1 month SOFR + 3.750%) 9.010%, 03/01/2029	128,700	122,854
Medline Borrower LP, USD Term Loan B (1 month SOFR + 3.250%) 8.352%, 10/23/2028	202,438	199,970
MH Sub I LLC, 2023 Term Loan (1 month SOFR + 4.250%) 9.352%, 05/03/2028	98,481	94,345
Oryx Midstream Services Permian Basin LLC, 2023 Incremental Term Loan (1 month SOFR + 3.250%) 8.539%, 10/05/2028	97,548	97,244
Pathway Vet Alliance LLC, 2021 Term Loan (1 month LIBOR + 3.750%) 8.943%, 03/31/2027	121,007	106,486
Polaris Newco LLC, USD Term Loan B (3 month LIBOR + 4.000%) 9.521%, 06/02/2028	117,900	108,271
Quartz Acquireco LLC, Term Loan B 06/28/2030 TBD (K)	100,000	99,875
Quikrete Holdings, Inc., 2016 1st Lien Term Loan (1 month LIBOR + 2.625%) 7.842%, 02/01/2027	193,000	192,406
Sedgwick Claims Management Services, Inc., 2023 Term Loan B (1 month SOFR + 3.750%) 8.852%, 02/17/2028	194,483	193,116
SRS Distribution, Inc., 2021 Term Loan B (1 month LIBOR + 3.500%) 8.693%, 06/02/2028	152,288	147,681
SS&C Technologies, Inc., 2018 Term Loan B3 (1 month SOFR + 1.750%) 6.967%, 04/16/2025	84,968	84,869
SS&C Technologies, Inc., 2018 Term Loan B4 (1 month SOFR + 1.750%) 6.967%, 04/16/2025	75,887	75,799
Surgery Center Holdings, Inc., 2021 Term Loan (1 month LIBOR + 3.750%) 8.896%, 08/31/2026	87,207	87,039
Tecta America Corp., 2021 Term Loan (1 month SOFR + 4.000%) 9.217%, 04/10/2028	127,381	126,506
The Dun & Bradstreet Corp., Term Loan (1 month SOFR + 3.250%) 8.434%, 02/06/2026	101,780	101,805
The Michaels Companies, Inc., 2021 Term Loan B (3 month LIBOR + 4.250%) 9.753%, 04/15/2028	127,400	112,526
TransDigm, Inc., 2020 Term Loan E (3 month LIBOR + 2.250%) 7.409%, 05/30/2025	166,331	166,172
UFC Holdings LLC, 2021 Term Loan B (3 month LIBOR + 2.750%) 8.050%, 04/29/2026	176,359	176,040
UKG, Inc., Term Loan B (3 month SOFR + 3.750%) 8.895%, 05/04/2026	145,101	142,979
USI, Inc., 2022 Incremental Term Loan (3 month SOFR + 3.750%) 8.992%, 11/22/2029	79,599	79,400

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
TERM LOANS (J) (continued)		
United States (continued)		
Virgin Media Bristol LLC, 2020 USD Term Loan Q (1 month LIBOR + 3.250%) 8.443%, 01/31/2029	\$ 145,000	\$ 144,223
Windsor Holdings III LLC, USD Term Loan B 06/21/2030 TBD (K)	115,000	112,873
WW International, Inc., 2021 Term Loan B (1 month LIBOR + 3.500%) 8.693%, 04/13/2028	94,500	60,795
		6,324,572
TOTAL TERM LOANS (Cost \$7,024,206)		\$ 6,893,817
COLLATERALIZED MORTGAGE OBLIGATIONS - 4.2%		
Commercial and residential - 1.5%		
Angel Oak Mortgage Trust, Series 2020-3, Class M1, 3.809%, 04/25/2065 (D)(L)	180,000	161,628
ANTLR Mortgage Trust, Series 2021-RTL1, Class A1 (2.115% to 10-25-23, then 3.115% thereafter), 2.115%, 11/25/2024 (D)	95,002	94,202
BANK		
Series 2020-BN25, Class AS, 2.841%, 01/15/2063	60,000	49,309
Series 2021-BN35, Class XA IO, 1.149%, 06/15/2064	1,318,804	75,568
Series 2021-BN37, Class XA IO, 0.708%, 11/15/2064	994,203	31,621
BBCMS Mortgage Trust, Series 2023-C20, Class AS, 5.973%, 07/15/2056 (B)(L)	15,000	15,429
Benchmark Mortgage Trust		
Series 2018-B1, Class AM, 3.878%, 01/15/2051 (L)	85,000	75,057
Series 2019-B10, Class XA IO, 1.357%, 03/15/2062	536,262	26,467
Series 2020-B16, Class AM, 2.944%, 02/15/2053 (L)	60,000	49,265
BRAVO Residential Funding Trust		
Series 2020-NQM1, Class M1, 3.181%, 05/25/2060 (D)(L)	180,000	159,260
Series 2021-NQM1, Class M1, 2.316%, 02/25/2049 (D)(L)	100,000	71,115
BX Commercial Mortgage Trust,		
Series 2020-VKNG, Class F (1 month CME Term SOFR + 2.864%), 8.011%, 10/15/2037 (D)(I)	189,000	181,103
BX Trust		
Series 2021-ARIA, Class C (1 month LIBOR + 1.646%), 6.839%, 10/15/2036 (D)(I)	25,000	24,013
Series 2021-MFM1, Class D (1 month CME Term SOFR + 1.614%), 6.761%, 01/15/2034 (D)(I)	49,733	48,297
Series 2023-DELC, Class A (1 month CME Term SOFR + 2.690%), 7.690%, 05/15/2038 (D)(I)	50,000	49,875
CAMB Commercial Mortgage Trust,		
Series 2019-LIFE, Class E (1 month LIBOR + 2.150%), 7.343%, 12/15/2037 (D)(I)	120,000	116,982
Citigroup Commercial Mortgage Trust,		
Series 2023-PRM3, Class A, 6.360%, 07/10/2028 (D)(L)	100,000	101,568

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GS Mortgage Securities Trust, Series 2017-GS6, Class C, 4.322%, 05/10/2050 (L)	\$ 25,000	\$ 19,526
LHOME Mortgage Trust, Series 2021-RTL2, Class A1 (2.090% to 1-25-24, then 3.090% thereafter), 2.090%, 06/25/2026 (D)	155,000	150,353
MFA Trust, Series 2023-NQM1, Class A1 (5.750% to 1-1-27, then 6.750% thereafter), 5.750%, 11/25/2067 (D)	96,653	94,726
NYMT Loan Trust I, Series 2021-BPL1, Class A1 (2.239% to 5-25-24, then 4.239% thereafter), 2.239%, 05/25/2026 (D)	228,792	225,166
OBX Trust, Series 2022-NQM5, Class A1 (4.310% to 5-1-26, then 5.310% thereafter), 4.310%, 05/25/2062 (D)	111,761	105,938
PRPM LLC, Series 2021-5, Class A1 (1.793% to 6-25-24, then 4.793% to 6-25-25, then 5.793% thereafter), 1.793%, 06/25/2026 (D)	108,274	98,251
Ready Capital Mortgage Financing LLC, Series 2021-FL7, Class AS (1 month LIBOR + 1.500%), 6.650%, 11/25/2036 (D)(I)	55,000	53,169
Verus Securitization Trust Series 2020-5, Class M1, 2.601%, 05/25/2065 (D)(L)	100,000	80,354
Series 2020-INV1, Class A3, 3.889%, 03/25/2060 (D)(L)	100,000	93,781
WF-RBS Commercial Mortgage Trust, Series 2011-C4, Class C, 4.992%, 06/15/2044 (D)(L)	101,483	97,223
		2,349,246
U.S. Government Agency - 2.7%		
Federal Home Loan Mortgage Corp. Series 2020-DNA6, Class B1 (1 month SOFR + 3.000%), 8.067%, 12/25/2050 (D)(I)	35,000	34,499
Series 2020-HQA3, Class B1 (1 month LIBOR + 5.750%), 10.900%, 07/25/2050 (D)(I)	178,997	193,765
Series 2021-DNA6, Class M2 (1 month SOFR + 1.500%), 6.567%, 10/25/2041 (D)(I)	188,000	183,300
Series 2021-HQA1, Class M2 (1 month SOFR + 2.250%), 7.317%, 08/25/2033 (D)(I)	177,927	175,267
Series 2021-HQA3, Class M2 (1 month SOFR + 2.100%), 7.167%, 09/25/2041 (D)(I)	355,000	337,250
Series 2021-HQA4, Class M2 (1 month SOFR + 2.350%), 7.417%, 12/25/2041 (D)(I)	210,000	199,238
Series 2022-DNA1, Class B1 (1 month SOFR + 3.400%), 8.467%, 01/25/2042 (D)(I)	175,000	168,004
Series 2022-DNA1, Class M2 (1 month SOFR + 2.500%), 7.567%, 01/25/2042 (D)(I)	185,000	179,000

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan Mortgage Corp. (continued)		
Series 2022-DNA2, Class M2 (1 month SOFR + 3.750%), 8.817%, 02/25/2042 (D)(I)	\$ 150,000	\$ 150,937
Series 2022-DNA3, Class M1B (1 month SOFR + 2.900%), 7.967%, 04/25/2042 (D)(I)	60,000	59,906
Series 2022-DNA5, Class M2 (1 month SOFR + 6.750%), 11.817%, 06/25/2042 (D)(I)	75,000	82,490
Series 2022-HQA1, Class M1B (1 month SOFR + 3.500%), 8.567%, 03/25/2042 (D)(I)	20,000	20,374
Series 2022-HQA1, Class M2 (1 month SOFR + 5.250%), 10.317%, 03/25/2042 (D)(I)	560,000	579,600
Series 2022-HQA3, Class M1B (1 month SOFR + 3.550%), 8.617%, 08/25/2042 (D)(I)	60,000	60,825
Series 2023-DNA1, Class M2 (1 month SOFR + 5.500%), 10.567%, 03/25/2043 (D)(I)	35,000	36,744
Series 2023-DNA2, Class B1 (1 month SOFR + 7.600%), 12.667%, 04/25/2043 (D)(I)	20,000	21,050
Series 2023-HQA2, Class M1B (1 month SOFR + 3.350%), 8.417%, 06/25/2043 (D)(I)	50,000	50,500
Series 324, Class C18 IO, 4.000%, 12/15/2033	212,476	22,609
Series 4446, Class BI IO, 6.500%, 04/15/2039	87,732	17,105
Series 4898, Class SA (1 month LIBOR + 6.100%), 0.907%, 07/15/2049 (I)	505,595	48,442
Series 4954, Class SL (1 month LIBOR + 6.050%), 0.900%, 02/25/2050 (I)	1,424,661	142,311
Series 4999, Class KS IO, 1.000%, 12/25/2042	403,087	34,033
Series 4999, Class PS IO, 0.800%, 03/25/2044	500,257	37,813
Series K103, Class X1 IO, 0.757%, 11/25/2029	1,021,120	33,913
Series K106, Class X3 IO, 1.986%, 03/25/2048	490,000	47,366
Series K122, Class X1 IO, 0.971%, 11/25/2030	99,436	4,937
Series K129, Class X3 IO, 3.272%, 05/25/2031	165,000	30,286
Series K737, Class X1 IO, 0.748%, 10/25/2026	487,012	8,017
Series K740, Class X3 IO, 2.564%, 11/25/2047	135,000	11,665
Series K742, Class X3 IO, 2.685%, 04/25/2028	100,000	9,845
Series Q014, Class X IO, 2.790%, 10/25/2055	154,694	27,857
Federal National Mortgage Association		
Series 2016-88, Class SK (1 month LIBOR + 6.000%), 0.850%, 12/25/2046 (I)	400,788	40,755

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2018-C05, Class 1B1 (1 month LIBOR + 4.250%), 9.400%, 01/25/2031 (I)	\$ 230,000	\$ 247,106
Series 2019-25, Class SA (1 month LIBOR + 6.050%), 0.900%, 06/25/2049 (I)	1,733,436	172,164
Series 2019-50, Class S (1 month LIBOR + 6.050%), 0.900%, 09/25/2049 (I)	1,018,911	107,320
Series 2019-68, Class SC (1 month LIBOR + 6.000%), 0.850%, 11/25/2049 (I)	333,836	34,250
Series 2021-67, Class IG IO, 3.000%, 10/25/2051	138,719	22,216
Series 2022-R02, Class 2B1 (1 month SOFR + 4.500%), 9.567%, 01/25/2042 (D)(I)	175,000	175,656
Series 2022-R03, Class 1B1 (1 month SOFR + 6.250%), 11.317%, 03/25/2042 (D)(I)	69,000	74,089
Series 2022-R03, Class 1M2 (1 month SOFR + 3.500%), 8.567%, 03/25/2042 (D)(I)	59,000	60,214
Series 2022-R04, Class 1B1 (1 month SOFR + 5.250%), 10.317%, 03/25/2042 (D)(I)	165,000	171,806
Series 2022-R05, Class 2B1 (1 month SOFR + 4.500%), 9.567%, 04/25/2042 (D)(I)	70,000	70,000
Series 2023-R01, Class 1B1 (1 month SOFR + 5.100%), 10.167%, 12/25/2042 (D)(I)	20,000	21,019
Series 2023-R02, Class 1M2 (1 month SOFR + 3.350%), 8.417%, 01/25/2043 (D)(I)	40,000	40,650
Series 2023-R03, Class 2M2 (1 month SOFR + 3.900%), 8.967%, 04/25/2043 (D)(I)	35,000	35,722
Series 2023-R05, Class 1M2 (1 month SOFR + 3.100%), 8.167%, 06/25/2043 (D)(I)	36,000	36,045
Series 410, Class C8 IO, 4.000%, 04/25/2032	129,363	13,254
Government National		
Mortgage Association		
Series 2015-62, Class CI IO, 4.500%, 05/20/2045	133,529	23,994
Series 2017-130, Class IO, 4.500%, 02/20/2040	138,765	25,041
Series 2018-168, Class AI IO, 5.000%, 12/16/2048	117,643	21,629
		4,401,878
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$6,835,122)		\$ 6,751,124
ASSET BACKED SECURITIES - 3.2%		
Arbor Realty Commercial Real Estate		
Notes, Ltd., Series 2021-FL3, Class B (1 month LIBOR + 1.600%), 6.793%, 08/15/2034 (D)(I)	110,000	103,405

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Bain Capital Credit CLO, Ltd., Series 2020-5A, Class E (3 month LIBOR + 6.900%), 12.150%, 01/20/2032 (D)(I)		
	\$ 250,000	\$ 232,109
Benefit Street Partners CLO XIX, Ltd., Series 2019-19A, Class E (3 month LIBOR + 7.020%), 12.280%, 01/15/2033 (D)(I)		
	250,000	235,651
BlueMountain CLO, Ltd., Series 2018-2A, Class D (3 month LIBOR + 3.150%), 8.471%, 08/15/2031 (D)(I)		
	250,000	212,934
Bojangles Issuer LLC, Series 2020-1A, Class A2, 3.832%, 10/20/2050 (D)		
	123,438	111,356
CoreVest American Finance Trust, Series 2020-4, Class B, 1.707%, 12/15/2052 (D)		
	100,000	88,386
Domino's Pizza Master Issuer LLC, Series 2021-1A, Class A2II, 3.151%, 04/25/2051 (D)		
	58,800	48,370
Elmwood CLO VII, Ltd., Series 2020-4A, Class C (3 month LIBOR + 2.250%), 7.510%, 01/17/2034 (D)(I)		
	250,000	244,707
Exeter Automobile Receivables Trust, Series 2023-1A, Class D, 6.690%, 06/15/2029		
	40,000	39,844
Flagship Credit Auto Trust, Series 2021-3, Class D, 1.650%, 09/15/2027 (D)		
	112,000	98,833
GLS Auto Receivables Issuer Trust, Series 2023-1A, Class C, 6.380%, 12/15/2028 (D)		
	32,000	31,981
Greystone Commercial Real Estate Notes, Ltd., Series 2021-FL3, Class B (1 month CME Term SOFR + 1.764%), 6.911%, 07/15/2039 (D)(I)		
	100,000	95,313
Hertz Vehicle Financing III LP, Series 2021-2A, Class B, 2.120%, 12/27/2027 (D)		
	100,000	87,353
Hertz Vehicle Financing LLC Series 2022-2A, Class C, 2.950%, 06/26/2028 (D)		
	100,000	85,730
Series 2022-2A, Class B, 2.650%, 06/26/2028 (D)		
	100,000	87,452
Home Partners of America Trust, Series 2022-1, Class D, 4.730%, 04/17/2039 (D)		
	149,904	139,200
Horizon Aircraft Finance II, Ltd., Series 2019-1, Class A, 3.721%, 07/15/2039 (D)		
	189,077	161,470
JFIN CLO, Ltd., Series 2016-1A, Class DR (3 month LIBOR + 3.400%), 8.692%, 10/27/2028 (D)(I)		
	175,000	172,670
LAD Auto Receivables Trust, Series 2021-1A, Class B, 1.940%, 11/16/2026 (D)		
	85,000	80,384
LCM XXV, Ltd., Series 25A, Class B2 (3 month LIBOR + 1.650%), 6.900%, 07/20/2030 (D)(I)		
	250,000	242,960
Lendbuzz Securitization Trust, Series 2021-1A, Class A, 1.460%, 06/15/2026 (D)		
	88,256	84,510

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
MAPS Trust, Series 2021-1A, Class A, 2.521%, 06/15/2046 (D)	\$ 182,334	\$ 157,221
Mercury Financial Credit Card Master Trust, Series 2022-1A, Class A, 2.500%, 09/21/2026 (D)	150,000	141,701
MFA LLC, Series 2021-NPL1, Class A1 (2.363% to 3-25-24, then 5.363% to 3-25-25, then 6.363% thereafter), 2.363%, 03/25/2060 (D)	61,331	58,193
New Economy Assets Phase 1 Sponsor LLC, Series 2021-1, Class A1, 1.910%, 10/20/2061 (D)	120,000	102,205
Octagon Investment Partners 49, Ltd., Series 2020-5A, Class D (3 month LIBOR + 3.400%), 8.660%, 01/15/2033 (D)(I)	250,000	234,848
OZLM VII, Ltd., Series 2014-7RA, Class CR (3 month LIBOR + 3.000%), 8.260%, 07/17/2029 (D)(I)	250,000	242,212
Pretium Mortgage Credit Partners LLC, Series 2021-RN1, Class A2 (3.598% to 6-25-25, then 7.598% thereafter), 3.598%, 02/25/2061 (D)	185,000	155,451
Progress Residential Trust Series 2021-SFR2, Class D, 2.197%, 04/19/2038 (D)	100,000	87,646
Series 2022-SFR1, Class E1, 3.930%, 02/17/2041 (D)	150,000	127,852
Series 2022-SFR4, Class C, 4.888%, 05/17/2041 (D)	100,000	92,989
Stratus CLO, Ltd., Series 2021-1A, Class D (3 month LIBOR + 2.500%), 7.750%, 12/29/2029 (D)(I)	250,000	236,307
Symphony CLO XXII, Ltd., Series 2020-22A, Class C (3 month LIBOR + 2.150%), 7.412%, 04/18/2033 (D)(I)	250,000	239,049
Texas Natural Gas Securitization Finance Corp., Series 2023-1, Class A2, 5.169%, 04/01/2041	50,000	51,458
TRTX Issuer, Ltd., Series 2019-FL3, Class D (1 month CME Term SOFR + 2.564%), 7.666%, 10/15/2034 (D)(I)	100,000	92,080
Vericrest Opportunity Loan Transferee, Series 2021-NP11, Class A1 (1.868% to 7-25-24, then 4.868% to 7-25-25, then 5.868% thereafter), 1.868%, 08/25/2051 (D)	167,480	151,761
VOLT XCVI LLC, Series 2021-NPL5, Class A1 (2.116% to 2-25-24, then 5.116% to 2-25-25, then 6.116% thereafter), 2.116%, 03/27/2051 (D)	58,946	55,176
Voya CLO, Ltd., Series 2013-3A, Class BRR (3 month CME Term SOFR + 2.511%), 7.493%, 10/18/2031 (D)(I)	250,000	237,467
Westlake Automobile Receivables Trust, Series 2023-2A, Class C, 6.290%, 03/15/2028 (D)	55,000	54,872
TOTAL ASSET BACKED SECURITIES (Cost \$5,544,511)	\$	\$ 5,203,106

Opportunistic Fixed Income Trust (continued)

	Shares or Principal Amount	Value
COMMON STOCKS - 0.0%		
United Kingdom - 0.0%		
Endeavour Mining PLC	1,012	\$ 24,254
United States - 0.0%		
Becton, Dickinson and Company	16	4,224
Bloomin' Brands, Inc.	78	2,097
		6,321
TOTAL COMMON STOCKS (Cost \$85,322)	\$	\$ 30,575
PREFERRED SECURITIES - 0.6%		
Bermuda - 0.1%		
Athene Holding, Ltd., 6.375% (6.375% to 6-30-25, then 5 Year CMT + 5.970%)	4,345	101,543
United States - 0.5%		
AGNC Investment Corp., 7.750% (7.750% to 10-15-27, then 5 Year CMT + 4.390%)	10,000	224,900
AGNC Investment Corp., 6.125% (6.125% to 4-15-25, then 3 month LIBOR + 4.697%)	10,000	209,900
Bank of America Corp., 7.250%	120	140,618
Fluor Corp., 6.500%	5	6,962
NextEra Energy, Inc., 6.926%	687	31,114
NiSource, Inc., 6.500% (6.500% to 3-15-24, then 5 Year CMT + 3.632%)	2,775	69,902
State Street Corp., 5.350% (5.350% to 3-15-26, then 3 month LIBOR + 3.709%)	1,422	32,649
Wells Fargo & Company, 7.500%	50	57,600
		773,645
TOTAL PREFERRED SECURITIES (Cost \$854,546)	\$	\$ 875,188
SHORT-TERM INVESTMENTS - 16.1%		
U.S. Government - 0.1%		
U.S. Treasury Bill 4.981%, 07/18/2023 *	\$ 113,000	112,764
Short-term funds - 16.0%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 5.0063% (M)	25,791,666	25,791,666
TOTAL SHORT-TERM INVESTMENTS (Cost \$25,904,401)	\$	\$ 25,904,430
Total Investments (Opportunistic Fixed Income Trust) (Cost \$200,878,690) - 116.9%	\$	\$ 187,683,058
Other assets and liabilities, net - (16.9%)		(27,145,697)
TOTAL NET ASSETS - 100.0%	\$	\$ 160,537,361

Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CLP	Chilean Peso
COP	Colombian Peso
CZK	Czech Republic Koruna
EUR	Euro
GBP	Pound Sterling
HKD	Hong Kong Dollar
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ISK	Icelandic Krona
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
MYR	Malaysian Ringgit
NZD	New Zealand Dollar

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

PEN	Peruvian Nuevo Sol
PLN	Polish Zloty
RON	Romanian New Leu
RUB	Russian Ruble
SEK	Swedish Krona
THB	Thai Bhat
UYU	Uruguayan Peso
ZAR	South African Rand
Security Abbreviations and Legend	
CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
CPI	Consumer Price Index
EURIBOR	Euro Interbank Offered Rate
GO	General Obligation
ICE	Intercontinental Exchange
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.
(B)	Security purchased or sold on a when-issued or delayed delivery basis.
(C)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.

Opportunistic Fixed Income Trust (continued)

(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. Rule 144A securities amounted to \$27,601,987 or 17.2% of the fund's net assets as of 6-30-23.
(E)	Non-income producing security.
(F)	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.
(G)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(H)	Non-income producing - Issuer is in default.
(I)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(J)	Term loans are variable rate obligations. The rate shown represents the rate at period end.
(K)	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).
(L)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(M)	The rate shown is the annualized seven-day yield as of 6-30-23.
*	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)
10-Year Australian Treasury Bond Futures	4	Long	Sep 2023	\$311,023	\$310,269	\$(754)
10-Year U.S. Treasury Note Futures	160	Long	Sep 2023	18,190,720	17,962,500	(228,220)
2-Year U.S. Treasury Note Futures	151	Long	Sep 2023	30,997,422	30,704,906	(292,516)
30-Day Federal Funds Futures	19	Long	Sep 2023	7,546,768	7,497,683	(49,085)
5-Year U.S. Treasury Note Futures	177	Long	Sep 2023	19,197,330	18,955,557	(241,773)
Euro SCHATZ Futures	1	Long	Sep 2023	115,100	114,412	(688)
German Euro BUND Futures	4	Long	Sep 2023	584,582	583,749	(833)
Ultra 10-Year U.S. Treasury Note Futures	6	Long	Sep 2023	715,058	710,625	(4,433)
Ultra U.S. Treasury Bond Futures	5	Long	Sep 2023	686,166	681,094	(5,072)
10-Year Canada Government Bond Futures	2	Short	Sep 2023	(185,036)	(184,986)	50
10-Year Japan Government Bond Future	11	Short	Sep 2023	(11,293,755)	(11,324,370)	(30,615)
5-Year Canada Government Bond Futures	6	Short	Sep 2023	(502,660)	(498,887)	3,773
Euro-BTP Italian Government Bond Futures	47	Short	Sep 2023	(5,929,108)	(5,954,866)	(25,758)
Euro-Buxl Futures	13	Short	Sep 2023	(1,922,769)	(1,980,310)	(57,541)
Euro-OAT Futures	11	Short	Sep 2023	(1,539,770)	(1,541,211)	(1,441)
German Euro BOBL Futures	5	Short	Sep 2023	(632,913)	(631,314)	1,599
U.K. Long Gilt Bond Futures	3	Short	Sep 2023	(364,258)	(363,093)	1,165
U.S. Treasury Long Bond Futures	45	Short	Sep 2023	(5,721,084)	(5,710,781)	10,303
						\$(921,839)

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
AUD	USD	BARC	9/20/2023	—	\$(43)

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued) FORWARD FOREIGN CURRENCY CONTRACTS (continued)

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
AUD	15,000	USD	10,178	JPM	9/20/2023	—	\$(164)
BRL	45,561,000	USD	9,481,023	CITI	7/5/2023	\$34,246	—
BRL	43,809,000	USD	9,072,117	GSI	7/5/2023	77,250	—
BRL	1,752,000	USD	357,340	MSI	7/5/2023	8,560	—
BRL	940,000	USD	195,829	CITI	7/31/2023	—	(412)
BRL	5,432,000	USD	1,125,262	CITI	8/2/2023	3,613	—
BRL	3,062,000	USD	619,035	GSI	9/5/2023	13,334	—
BRL	2,038,000	USD	420,120	SSB	9/5/2023	772	—
CAD	15,000	USD	11,336	JPM	9/20/2023	—	—
CLP	76,672,000	USD	94,658	BOA	9/20/2023	87	—
CLP	25,708,000	USD	32,294	MSI	9/20/2023	—	(527)
CNY	426,000	USD	59,150	GSI	9/20/2023	—	(187)
CNY	445,000	USD	62,795	HSBC	9/20/2023	—	(1,203)
COP	5,231,897,000	USD	1,240,021	CITI	7/31/2023	3,970	—
COP	1,180,700,000	USD	279,103	CITI	9/20/2023	—	(1,894)
COP	59,300,000	USD	13,904	GSI	9/20/2023	19	—
COP	1,471,512,000	USD	344,596	MSI	9/20/2023	890	—
CZK	6,203,000	USD	283,658	MSI	9/20/2023	165	—
EGP	3,600,000	USD	103,642	CITI	7/11/2023	12,408	—
EGP	2,420,000	USD	71,429	GSI	8/30/2023	3,601	—
EGP	202,000	USD	6,044	GSI	9/11/2023	151	—
EGP	196,000	USD	5,893	BOA	9/20/2023	60	—
EGP	3,600,000	USD	109,265	CITI	9/20/2023	78	—
EGP	202,000	USD	5,577	GSI	12/11/2023	119	—
EUR	3,960,000	USD	4,325,904	GSI	7/31/2023	740	—
EUR	220,000	USD	240,558	BOA	9/20/2023	424	—
EUR	91,000	USD	99,106	GSI	9/20/2023	572	—
EUR	32,000	USD	34,481	JPM	9/20/2023	571	—
GBP	1,558,000	USD	1,985,359	JPM	7/31/2023	—	(6,334)
GBP	32,000	USD	41,110	BARC	9/20/2023	—	(462)
GBP	5,000	USD	6,369	MSI	9/20/2023	—	(18)
HUF	329,777,000	USD	964,401	HSBC	7/31/2023	—	(5,192)
HUF	28,100,000	USD	81,050	BOA	9/20/2023	—	(277)
HUF	16,800,000	USD	47,870	BARC	9/20/2023	421	—
HUF	28,707,000	USD	82,367	CITI	9/20/2023	150	—
HUF	193,669,000	USD	548,987	JPM	9/20/2023	7,708	—
IDR	28,575,537,000	USD	1,898,833	JPM	7/31/2023	180	—
IDR	4,471,000,000	USD	298,493	CITI	9/20/2023	—	(1,601)
IDR	636,000,000	USD	42,144	GSI	9/20/2023	89	—
IDR	6,199,855,000	USD	415,582	JPM	9/20/2023	—	(3,887)
INR	22,040,000	USD	266,294	BOA	9/20/2023	1,556	—
JPY	459,000,000	USD	3,191,838	CITI	7/31/2023	1,621	—
JPY	470,400,000	USD	3,302,043	JPM	7/31/2023	—	(29,270)
KRW	309,653,000	USD	237,602	MSI	7/31/2023	—	(2,336)
KZT	13,550,000	USD	27,938	BOA	7/24/2023	1,981	—
KZT	11,800,000	USD	24,738	GSI	8/9/2023	1,221	—
KZT	10,900,000	USD	23,877	GSI	8/10/2023	96	—
KZT	10,900,000	USD	23,930	JPM	8/11/2023	38	—
KZT	22,800,000	USD	49,351	GSI	8/18/2023	697	—
MXN	5,061,000	USD	288,885	GSI	9/20/2023	2,517	—
MXN	1,040,000	USD	59,054	MSI	9/20/2023	827	—
MYR	2,718,000	USD	591,141	HSBC	9/20/2023	—	(3,335)
NOK	17,590,000	USD	1,633,158	CITI	7/31/2023	7,157	—
NOK	2,842,000	USD	264,334	JPM	7/31/2023	690	—
NZD	569,000	USD	350,767	HSBC	7/31/2023	—	(1,610)
NZD	60,000	USD	36,363	BARC	9/20/2023	447	—
NZD	15,000	USD	9,218	MSI	9/20/2023	—	(15)
PEN	520,000	USD	141,574	CITI	9/20/2023	903	—
PEN	742,000	USD	202,134	SCB	9/20/2023	1,169	—
PHP	3,870,000	USD	69,796	MSI	9/20/2023	80	—
PLN	2,795,000	USD	686,357	HSBC	7/31/2023	138	—
PLN	993,000	USD	236,243	BARC	9/20/2023	7,064	—
PLN	1,677,000	USD	408,688	MSI	9/20/2023	2,214	—
RON	535,000	USD	115,079	BOA	9/20/2023	2,418	—
RON	251,000	USD	55,285	GSI	9/20/2023	—	(160)
RON	160,000	USD	34,897	HSBC	9/20/2023	242	—

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued) FORWARD FOREIGN CURRENCY CONTRACTS (continued)

	Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation	
RON	882,000	USD	193,241	JPM	9/20/2023	\$465	—
SEK	5,707,000	USD	533,417	MSI	7/31/2023	—	\$(3,655)
SGD	1,600,000	USD	1,183,344	BOA	7/31/2023	823	—
SGD	25,000	USD	18,661	GSI	9/20/2023	—	(122)
SGD	65,000	USD	48,199	HSBC	9/20/2023	2	—
THB	3,580,000	USD	101,719	BARC	9/20/2023	14	—
THB	1,620,000	USD	46,636	HSBC	9/20/2023	—	(600)
THB	36,569,000	USD	1,058,235	JPM	9/20/2023	—	(19,048)
TRY	845,000	USD	31,689	GSI	8/31/2023	67	—
TRY	4,860,000	USD	185,496	GSI	9/20/2023	—	(5,114)
USD	2,410,224	AUD	3,605,000	GSI	7/31/2023	6,978	—
USD	96,623	AUD	145,000	MSI	9/20/2023	—	(177)
USD	9,457,008	BRL	45,561,000	CITI	7/5/2023	—	(58,258)
USD	8,749,798	BRL	43,809,000	GSI	7/5/2023	—	(399,568)
USD	363,546	BRL	1,752,000	MSI	7/5/2023	—	(2,354)
USD	195,102	BRL	940,000	CITI	7/31/2023	—	(316)
USD	8,505,364	BRL	41,069,000	CITI	8/2/2023	—	(29,580)
USD	30,741	BRL	150,000	CITI	9/5/2023	—	(237)
USD	997,807	BRL	4,982,000	GSI	9/5/2023	—	(31,086)
USD	241,221	BRL	1,187,000	SSB	9/5/2023	—	(3,921)
USD	5,439,830	CAD	7,158,000	HSBC	7/31/2023	34,512	—
USD	59,879	CAD	80,000	BARC	9/20/2023	—	(582)
USD	1,972,113	CHF	1,760,000	GSI	7/31/2023	547	—
USD	851,685	CLP	685,930,000	SSB	7/31/2023	—	(881)
USD	12,764	CLP	10,300,000	GSI	9/20/2023	36	—
USD	263,756	CLP	214,184,000	MSI	9/20/2023	—	(913)
USD	34,660	CLP	28,095,000	SSB	9/20/2023	—	(57)
USD	4,698,080	CNY	33,903,000	BOA	7/31/2023	25,199	—
USD	123,045	CNY	871,000	MSI	9/20/2023	2,491	—
USD	26,479	COP	113,000,000	CITI	9/20/2023	—	(51)
USD	213,557	COP	912,100,000	SSB	9/20/2023	—	(589)
USD	504,329	CZK	10,961,000	BARC	7/31/2023	1,764	—
USD	116,914	CZK	2,582,000	BARC	9/20/2023	—	(1,228)
USD	274,892	CZK	6,030,000	JPM	9/20/2023	—	(1,016)
USD	116,514	EGP	3,600,000	CITI	7/11/2023	464	—
USD	33,078	EGP	1,080,000	CITI	9/20/2023	275	—
USD	8,858,693	EUR	8,109,386	GSI	7/31/2023	—	(1,516)
USD	102,789	EUR	94,000	MSI	7/31/2023	85	—
USD	54,991	EUR	50,000	BOA	9/20/2023	222	—
USD	25,217	EUR	23,000	CITI	9/20/2023	23	—
USD	161,673	EUR	150,000	GSI	9/20/2023	—	(2,633)
USD	178,199	EUR	163,000	MSI	9/20/2023	—	(347)
USD	417,970	GBP	328,000	JPM	7/31/2023	1,334	—
USD	78,293	GBP	63,000	BARC	9/20/2023	—	(1,734)
USD	42,014	GBP	33,000	GSI	9/20/2023	95	—
USD	258,939	HKD	2,026,000	BOA	7/31/2023	263	—
USD	98,664	HUF	34,500,000	BOA	9/20/2023	—	(505)
USD	134,701	HUF	47,000,000	CITI	9/20/2023	—	(399)
USD	128,149	HUF	45,100,000	GSI	9/20/2023	—	(1,489)
USD	198,923	HUF	70,568,000	MSI	9/20/2023	—	(3,922)
USD	1,174,164	IDR	17,670,000,000	JPM	7/31/2023	—	(111)
USD	392,779	IDR	5,906,000,000	BARC	9/20/2023	597	—
USD	29,947	IDR	451,000,000	GSI	9/20/2023	—	(1)
USD	866,673	INR	71,166,000	BOA	7/31/2023	344	—
USD	43,749	INR	3,600,000	SCB	9/20/2023	—	(1)
USD	1,541,880	JPY	219,652,000	JPM	7/31/2023	13,667	—
USD	3,808,498	KRW	4,963,397,000	MSI	7/31/2023	37,438	—
USD	29,895	KZT	13,550,000	GSI	7/24/2023	—	(25)
USD	21,758	KZT	9,900,000	GSI	8/9/2023	—	(21)
USD	19,750	KZT	9,100,000	GSI	9/20/2023	—	(70)
USD	3,165,920	MXN	54,440,000	GSI	7/31/2023	1,252	—
USD	592,236	MXN	10,223,000	JPM	7/31/2023	—	(2,041)
USD	76,364	MXN	1,344,000	BOA	9/20/2023	—	(1,021)
USD	248,068	MXN	4,398,000	BARC	9/20/2023	—	(5,159)
USD	228,911	MXN	4,031,000	CITI	9/20/2023	—	(3,186)
USD	333,008	MXN	5,830,000	GSI	9/20/2023	—	(2,670)

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued) FORWARD FOREIGN CURRENCY CONTRACTS (continued)

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD	42,958	MXN	750,000	HSBC	9/20/2023	—	\$(226)
USD	54,153	MXN	970,000	MSI	9/20/2023	—	(1,697)
USD	345,853	MYR	1,600,000	HSBC	9/20/2023	—	(170)
USD	5,877,352	NZD	9,534,000	HSBC	7/31/2023	\$26,969	—
USD	93,583	NZD	155,000	BARC	9/20/2023	—	(1,510)
USD	533,370	PEN	1,962,000	BOA	9/20/2023	—	(4,205)
USD	11,488	PEN	42,000	CITI	9/20/2023	—	(20)
USD	119,956	PEN	440,000	SCB	9/20/2023	—	(601)
USD	1,053,942	PHP	58,754,000	BOA	7/31/2023	—	(8,259)
USD	53,236	PHP	3,000,000	BOA	9/20/2023	—	(931)
USD	352,439	PLN	1,445,000	BOA	9/20/2023	—	(1,617)
USD	83,885	PLN	345,000	CITI	9/20/2023	—	(647)
USD	18,218	PLN	75,000	GSI	9/20/2023	—	(158)
USD	210,365	RON	960,000	BOA	9/20/2023	—	(471)
USD	3,053,479	SEK	32,669,000	MSI	7/31/2023	20,921	—
USD	1,932,549	SGD	2,613,000	BOA	7/31/2023	—	(1,345)
USD	133,951	SGD	180,000	GSI	9/20/2023	470	—
USD	25,926	SGD	35,000	JPM	9/20/2023	—	(29)
USD	418,495	THB	14,508,000	BARC	9/20/2023	6,218	—
USD	46,567	TRY	1,165,000	GSI	8/31/2023	2,784	—
USD	81,555	TRY	2,080,000	GSI	9/20/2023	4,353	—
USD	87,880	UYU	3,437,000	GSI	9/20/2023	—	(668)
USD	737,694	ZAR	13,860,000	CITI	7/31/2023	3,180	—
USD	69,303	ZAR	1,298,000	BARC	9/20/2023	871	—
USD	510,119	ZAR	9,896,000	CITI	9/20/2023	—	(11,613)
USD	356,402	ZAR	6,640,000	GSI	9/20/2023	6,332	—
ZAR	33,880,000	USD	1,803,251	CITI	7/31/2023	—	(7,773)
ZAR	700,000	USD	37,770	BOA	9/20/2023	—	(865)
ZAR	6,476,000	USD	348,981	CITI	9/20/2023	—	(7,557)
ZAR	3,275,000	USD	174,421	MSI	9/20/2023	—	(1,759)
						\$404,309	\$(697,252)

SWAPS

Interest rate swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
CAD CORRA Compounded										
Centrally cleared	33,820,000	CAD	OIS	Fixed 4.500%	Semi-Annual	Semi-Annual	Sep 2025	\$(27,374)	\$(19,222)	\$(46,596)
GBP SONIA Compounded										
Centrally cleared	8,540,000	GBP	OIS	Fixed 5.717%	Annual	Annual	Sep 2025	—	(45,668)	(45,668)
Centrally cleared	52,320,000	MXN	MXN TIE Banxico	Fixed 7.840%	Monthly	Monthly	Mar 2027	1,915	(87,575)	(85,660)
Centrally cleared	8,500,000	NZD	NZD BBR FRA	Fixed 2.660%	Semi-Annual	Quarterly	Mar 2027	(15,426)	(349,126)	(364,552)
Centrally cleared	6,540,000	NZD	NZD BBR FRA	Fixed 2.750%	Semi-Annual	Quarterly	Mar 2027	5,177	(272,535)	(267,358)
Centrally cleared	25,835,000	SEK	SEK STIBOR SIDE	Fixed 3.042%	Annual	Quarterly	Mar 2028	—	(20,922)	(20,922)
Centrally cleared	39,115,000	MXN	MXN TIE Banxico	Fixed 8.840%	Monthly	Monthly	Jun 2028	(2,979)	47,312	44,333
Centrally cleared	55,310,000	MXN	MXN TIE Banxico	Fixed 9.053%	Monthly	Monthly	Jun 2028	—	90,432	90,432
INR MIBOR Compounded										
Centrally cleared	157,305,000	INR	Fixed 6.082%	OIS	Semi-Annual	Semi-Annual	Jun 2028	—	17,704	17,704
INR MIBOR Compounded										
Centrally cleared	157,305,000	INR	Fixed 6.069%	OIS	Semi-Annual	Semi-Annual	Jun 2028	—	18,709	18,709
INR MIBOR Compounded										
Centrally cleared	158,265,000	INR	Fixed 5.905%	OIS	Semi-Annual	Semi-Annual	Jun 2028	—	32,092	32,092
Centrally cleared	4,000,000	AUD	AUD BBR BBSW	Fixed 4.190%	Semi-Annual	Semi-Annual	Sep 2028	(577)	(13,304)	(13,881)
Centrally cleared	29,770,000	NOK	NOK NIBOR NIBR	Fixed 3.810%	Annual	Semi-Annual	Sep 2028	(11,687)	(33,727)	(45,414)
Centrally cleared	17,445,000	MXN	MXN TIE Banxico	Fixed 6.940%	Monthly	Monthly	Sep 2031	(260)	(70,623)	(70,883)
Centrally cleared	21,005,000	ZAR	ZAR JIBAR SAFEX	Fixed 9.255%	Quarterly	Quarterly	Mar 2033	—	(22,323)	(22,323)
								\$(51,211)	\$(728,776)	\$(779,987)

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
BARC	Federative Republic of Brazil	585,000	USD	\$585,000	1.000%	Quarterly	Dec 2026	\$24,816	\$(22,752)	\$2,064
BARC	Federative Republic of Brazil	955,000	USD	955,000	1.000%	Quarterly	Jun 2028	50,206	(19,505)	30,701
BARC	Federative Republic of Brazil	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	23,707	(7,633)	16,074
BARC	Federative Republic of Brazil	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	21,379	(5,305)	16,074
BARC	Republic of Colombia	650,000	USD	650,000	1.000%	Quarterly	Jun 2028	48,828	(11,941)	36,887
BARC	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	29,494	(1,119)	28,375
BARC	Republic of Indonesia	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(2,759)	(335)	(3,094)
BARC	Republic of Indonesia	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(3,542)	448	(3,094)
BARC	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	2,976	(2,652)	324
BARC	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	1,769	(1,445)	324
BOA	Federative Republic of Brazil	2,345,000	USD	2,345,000	1.000%	Quarterly	Dec 2027	135,186	(84,318)	50,868
BOA	Federative Republic of Brazil	620,000	USD	620,000	1.000%	Quarterly	Dec 2027	35,854	(22,405)	13,449
CITI	Federative Republic of Brazil	485,000	USD	485,000	1.000%	Quarterly	Dec 2027	28,487	(17,966)	10,521
CITI	United Mexican States	770,000	USD	770,000	1.000%	Quarterly	Jun 2028	5,750	(5,250)	500
GSI	Federative Republic of Brazil	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	27,117	(11,043)	16,074
GSI	Government of Malaysia	1,600,000	USD	1,600,000	1.000%	Quarterly	Jun 2028	(23,484)	(9,121)	(32,605)
GSI	Republic of Chile	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(3,338)	(2,938)	(6,276)
GSI	Republic of Chile	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(4,015)	(2,261)	(6,276)
GSI	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	30,153	(1,778)	28,375
GSI	Republic of Indonesia	640,000	USD	640,000	1.000%	Quarterly	Jun 2028	(2,254)	(1,706)	(3,960)
GSI	Republic of Peru	1,130,000	USD	1,130,000	1.000%	Quarterly	Jun 2028	3,242	(15,150)	(11,908)
GSI	Republic of Peru	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	773	(6,042)	(5,269)
GSI	Republic of Peru	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(1,331)	(3,938)	(5,269)
GSI	Republic of South Africa	675,000	USD	675,000	1.000%	Quarterly	Jun 2028	51,167	(4,473)	46,694
GSI	Republic of South Africa	670,000	USD	670,000	1.000%	Quarterly	Jun 2028	45,658	690	46,348
GSI	Republic of the Philippines	865,000	USD	865,000	1.000%	Quarterly	Jun 2028	(3,428)	(3,820)	(7,248)
GSI	United Mexican States	630,000	USD	630,000	1.000%	Quarterly	Jun 2028	4,849	(4,440)	409
GSI	United Mexican States	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	3,654	(3,330)	324
MSI	Government of Japan	9,570,000	USD	9,570,000	1.000%	Quarterly	Dec 2024	(103,047)	(32,596)	(135,643)
MSI	Federative Republic of Brazil	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	24,893	(8,819)	16,074
MSI	Federative Republic of Brazil	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	22,398	(6,324)	16,074
MSI	Federative Republic of Brazil	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	18,391	(2,317)	16,074
MSI	Government of Malaysia	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(6,482)	(3,707)	(10,189)
MSI	Republic of Colombia	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	28,924	(549)	28,375
MSI	Republic of Peru	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	890	(6,159)	(5,269)
MSI	Republic of Peru	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(2,382)	(2,887)	(5,269)
MSI	Republic of Peru	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	(3,981)	(1,288)	(5,269)
MSI	Republic of South Africa	500,000	USD	500,000	1.000%	Quarterly	Jun 2028	32,524	2,064	34,588
				\$33,690,000				\$543,042	\$(334,110)	\$208,932
Centrally cleared	CDX.NA.HY.38	553,700	USD	553,700	5.000%	Quarterly	Jun 2027	2,790	(25,194)	(22,404)
Centrally cleared	CDX.EM.38	15,515,000	USD	15,515,000	1.000%	Quarterly	Dec 2027	768,044	(125,729)	642,315
Centrally cleared	CDX.NA.HY.39	99,000	USD	99,000	5.000%	Quarterly	Dec 2027	(373)	(2,912)	(3,285)
Centrally cleared	CDX.EM.39	8,880,000	USD	8,880,000	1.000%	Quarterly	Jun 2028	501,112	(78,479)	422,633
Centrally cleared	CDX.NA.HY.40	1,215,000	USD	1,215,000	5.000%	Quarterly	Jun 2028	(28,988)	(18,358)	(47,346)
Centrally cleared	CDX.NA.IG.40	12,220,000	USD	12,220,000	1.000%	Quarterly	Jun 2028	(148,175)	(50,171)	(198,346)

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

Credit default swaps - Buyer (continued)

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	iTraxx Europe Crossover Series 39 Version 1	560,000	EUR	\$609,163	5.000%	Quarterly	Jun 2028	\$(24,506)	\$(715)	\$(25,221)
Centrally cleared	iTraxx Europe Senior Financials Series 39 Version 1	9,265,000	EUR	9,972,996	1.000%	Quarterly	Jun 2028	(43,682)	(26,622)	(70,304)
Centrally cleared	iTraxx Europe Series 39 Version 1	8,010,000	EUR	8,644,831	1.000%	Quarterly	Jun 2028	(69,843)	(36,473)	(106,316)
Centrally cleared	iTraxx Europe Sub Financials Series 39 Version 1	605,000	EUR	650,141	1.000%	Quarterly	Jun 2028	19,827	(2,669)	17,158
				\$58,359,831				\$976,206	\$(367,322)	\$608,884
				\$92,049,831				\$1,519,248	\$(701,432)	\$817,816

Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
GSI	CMBX.NA.BBB-.11	10.906%	195,000	USD	\$195,000	3.000%	Monthly	Nov 2054	\$(40,698)	\$(6,997)	\$(47,695)
GSI	CMBX.NA.BBB-.14	9.549%	25,000	USD	25,000	3.000%	Monthly	Dec 2072	(4,151)	(3,169)	(7,320)
MSI	CMBX.NA.AAA.15	0.921%	100,000	USD	100,000	0.500%	Monthly	Nov 2064	(3,197)	508	(2,689)
					\$320,000				\$(48,046)	\$(9,658)	\$(57,704)
Centrally cleared	CDX.NA.HY.40	4.287%	250,000	USD	250,000	5.000%	Quarterly	Jun 2028	(261)	7,607	7,346
					\$250,000				\$(261)	\$7,607	\$7,346
					\$570,000				\$(48,307)	\$(2,051)	\$(50,358)

Total return swaps

Pay/ receive total return*	Reference entity	Floating/ fixed rate	Payment frequency	Currency	Notional amount	Maturity date	Counterparty (OTC)	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	625,000	Sep 2023	JPM	—	\$(2,782)	\$(2,782)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	1,580,000	Sep 2023	JPM	—	(10,431)	(10,431)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	625,000	Sep 2023	JPM	—	(5,148)	(5,148)
Pay	iBoxx \$ Liquid Investment Grade Index	1-Day USD Compounded SOFR	At Maturity	USD	1,250,000	Sep 2023	JPM	—	(8,430)	(8,430)
Pay	iBoxx \$ Liquid Investment Grade Index	1-Day USD Compounded SOFR	At Maturity	USD	1,250,000	Sep 2023	JPM	—	(16,164)	(16,164)
Pay	iBoxx \$ Liquid Investment Grade Index	1-Day USD Compounded SOFR	At Maturity	USD	1,255,000	Sep 2023	JPM	—	1,939	1,939
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	625,000	Sep 2023	MSI	—	(6,071)	(6,071)
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	625,000	Sep 2023	MSI	—	878	878
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	630,000	Sep 2023	MSI	—	973	973
Pay	iBoxx \$ Liquid High Yield Index	1-Day USD Compounded SOFR	At Maturity	USD	3,160,000	Dec 2023	MSI	—	(28,118)	(28,118)
								—	\$(73,354)	\$(73,354)

* Fund will pay or receive the total return of the reference asset depending on whether the return is positive or negative. For contracts where the fund has elected to receive the total return of the reference asset if positive, it will be responsible for paying the floating rate and the total return of the reference asset if negative. If the fund has elected to pay the total return of the reference asset if positive, it will receive the floating rate and the total return of the reference asset if negative.

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

Inflation swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	USD notional amount	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
BARC	2,970,000	USD	\$2,970,000	Fixed 3.243%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	—	\$(3,169)	\$(3,169)
BARC	2,990,000	USD	2,990,000	Fixed 3.243%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	—	(3,191)	(3,191)
BARC	5,640,000	USD	5,640,000	Fixed 3.147%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	—	20,153	20,153
BOA	500,000	USD	500,000	Fixed 1.635%	Consumers USA CPI All Urban	At Maturity	At Maturity	Feb 2050	—	133,333	133,333
CITI	1,855,000	USD	1,855,000	Fixed 3.257%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	—	(3,289)	(3,289)
CITI	1,730,000	USD	1,730,000	Fixed 3.257%	Consumers USA CPI All Urban	At Maturity	At Maturity	Apr 2027	\$(174)	(2,894)	(3,068)
CITI	780,000	USD	780,000	Fixed 2.578%	Consumers USA CPI All Urban	At Maturity	At Maturity	Feb 2051	—	39,287	39,287
JPM	1,700,000	USD	1,700,000	Fixed 1.830%	Consumers USA CPI All Urban	At Maturity	At Maturity	Feb 2050	(39,287)	421,229	381,942
			\$18,165,000						\$(39,461)	\$601,459	\$561,998

Derivatives Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CHF	Swiss Franc
CLP	Chilean Peso
CNY	Chinese Yuan Renminbi
COP	Colombian Peso
CZK	Czech Republic Koruna
EGP	Egyptian Pound
EUR	Euro
GBP	Pound Sterling
HKD	Hong Kong Dollar
HUF	Hungarian Forint
IDR	Indonesian Rupiah
INR	Indian Rupee
JPY	Japanese Yen
KRW	Korean Won
KZT	Kazakhstan Tenge
MXN	Mexican Peso
MYR	Malaysian Ringgit
NOK	Norwegian Krone
NZD	New Zealand Dollar
PEN	Peruvian Nuevo Sol
PHP	Philippine Peso
PLN	Polish Zloty
RON	Romanian New Leu
SEK	Swedish Krona
SGD	Singapore Dollar
THB	Thai Bhat
TRY	Turkish Lira
USD	U.S. Dollar
UYU	Uruguayan Peso
ZAR	South African Rand

John Hancock Variable Insurance Trust

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

Opportunistic Fixed Income Trust (continued)

Derivatives Abbreviations

BARC	Barclays Bank PLC
BBR	Bank Bill Rate
BBSW	Bank Bill Swap Rate
BOA	Bank of America, N.A.
CITI	Citibank, N.A.
CORRA	Canadian Overnight Repo Rate Average
CPI	Consumer Price Index
GSI	Goldman Sachs International
HSBC	HSBC Bank PLC
JIBAR	Johannesburg Interbank Agreed Rate
JPM	JPMorgan Chase Bank, N.A.
MIBOR	Mumbai Interbank Offered Rate
MSI	Morgan Stanley & Co. International PLC
NIBOR	Norwegian Interbank Offered Rate
OIS	Overnight Index Swap
OTC	Over-the-counter
SCB	Standard Chartered Bank
SOFR	Secured Overnight Financing Rate
SONIA	Sterling Overnight Interbank Average Rate
SSB	State Street Bank and Trust Company
STIBOR	Stockholm Interbank Offered Rate
THIE	Tasa de Interes Interbancario de Equilibrio (Interbank Equilibrium Interest Rate)

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

Select Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 53.8%		
U.S. Government – 21.0%		
U.S. Treasury Bonds		
2.250%, 02/15/2052	\$ 31,952,000	\$ 23,090,313
2.500%, 02/15/2045	83,239,000	64,445,195
3.000%, 08/15/2052	192,600,000	163,755,142
3.375%, 08/15/2042 to 11/15/2048	48,236,000	43,656,286
3.625%, 02/15/2053	119,433,000	114,618,357
3.875%, 05/15/2043	85,622,000	83,548,342
4.000%, 11/15/2042	236,251,000	234,737,517
U.S. Treasury Notes		
3.375%, 05/15/2033	138,073,000	133,154,149
3.625%, 05/31/2028	24,488,000	23,952,325
3.750%, 05/31/2030	382,118,000	376,804,163
		1,261,761,789
U.S. Government Agency – 32.8%		
Federal Home Loan Mortgage Corp.		
2.000%, 03/01/2052	60,151,810	49,375,361
2.500%, 08/01/2051 to 12/01/2051	38,739,855	33,100,435
3.000%, 03/01/2043 to 12/01/2049	91,225,751	81,912,691
3.500%, 04/01/2044 to 04/01/2052	113,344,931	104,563,200
4.000%, 08/01/2037 to 05/01/2052	51,397,822	49,619,983
4.500%, 12/01/2037 to 09/01/2052	96,351,581	93,486,228
5.000%, 10/01/2052 to 02/01/2053	76,430,884	75,089,888
5.500%, 09/01/2052 to 03/01/2053	57,103,524	57,229,264
Federal National Mortgage Association		
2.000%, 06/01/2036	48,011,490	42,631,265
2.500%, 08/01/2035 to 03/01/2052	260,892,817	225,757,805
3.000%, 03/01/2033 to 02/01/2052	202,362,011	181,695,306
3.500%, 06/01/2042 to 04/01/2052	155,515,616	144,190,466
4.000%, 09/01/2037 to 09/01/2052	342,232,125	326,766,060
4.500%, TBA (A)	8,074,000	7,758,612
4.500%, 11/01/2037 to 10/01/2052	180,220,146	174,827,887
5.000%, TBA (A)	32,416,000	31,758,817
5.000%, 09/01/2052 to 04/01/2053	145,241,467	142,682,568

Select Bond Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
5.000%, 05/01/2053 (A)	\$ 15,734,650	\$ 15,545,159
5.500%, TBA (A)	8,955,000	8,911,967
5.500%, 10/01/2052 to 12/01/2052	114,782,094	115,090,105
Government National Mortgage Association		
4.000%, 10/15/2039 to 11/15/2041	2,399,426	2,291,729
		1,964,284,796
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS		
(Cost \$3,387,207,612)		\$ 3,226,046,585
FOREIGN GOVERNMENT OBLIGATIONS – 0.1%		
Qatar – 0.1%		
State of Qatar		
5.103%, 04/23/2048 (B)	8,410,000	8,368,623
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$8,410,000)		
		\$ 8,368,623
CORPORATE BONDS – 29.5%		
Communication services – 1.7%		
Charter Communications Operating LLC		
4.200%, 03/15/2028	12,055,000	11,301,194
4.800%, 03/01/2050	12,476,000	9,413,127
5.750%, 04/01/2048	13,071,000	11,188,269
6.484%, 10/23/2045	9,276,000	8,720,535
Meta Platforms, Inc.		
4.800%, 05/15/2030	3,067,000	3,069,245
Netflix, Inc.		
4.875%, 06/15/2030 (B)(C)	10,040,000	9,880,301
T-Mobile USA, Inc.		
3.875%, 04/15/2030	17,265,000	15,905,702
5.750%, 01/15/2054	7,388,000	7,629,845

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
WarnerMedia Holdings, Inc.		
4.279%, 03/15/2032	\$ 5,570,000	\$ 4,939,896
5.050%, 03/15/2042	3,145,000	2,650,818
5.141%, 03/15/2052	19,538,000	15,908,777
		100,607,709
Consumer discretionary – 2.0%		
AutoNation, Inc.		
4.750%, 06/01/2030	6,447,000	6,027,983
Booking Holdings, Inc.		
4.625%, 04/13/2030	6,995,000	6,815,661
Choice Hotels International, Inc.		
3.700%, 12/01/2029 to 01/15/2031	12,249,000	10,502,713
eBay, Inc.		
2.700%, 03/11/2030	8,251,000	7,085,486
Expedia Group, Inc.		
2.950%, 03/15/2031	4,157,000	3,502,921
3.800%, 02/15/2028	14,524,000	13,580,974
4.625%, 08/01/2027	8,713,000	8,443,314
General Motors Company		
5.400%, 10/15/2029	8,209,000	8,004,205
General Motors Financial Company, Inc.		
2.400%, 10/15/2028	17,219,000	14,579,260
3.600%, 06/21/2030	20,346,000	17,578,478
Hyundai Capital America		
2.375%, 10/15/2027 (B)	2,708,000	2,369,214
LKQ Corp.		
5.750%, 06/15/2028 (B)	2,166,000	2,158,955
Marriott International, Inc.		
4.625%, 06/15/2030	4,305,000	4,121,956
Nissan Motor Acceptance Company LLC		
1.850%, 09/16/2026 (B)	7,839,000	6,650,297
2.000%, 03/09/2026 (B)	3,856,000	3,374,054
United Airlines 2023-1 Class A Pass Through Trust		
5.800%, 01/15/2036	7,169,000	7,305,713
		122,101,184
Consumer staples – 0.8%		
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	7,537,000	7,330,597
4.900%, 02/01/2046	3,282,000	3,136,905
JBS USA LUX SA		
5.125%, 02/01/2028 (B)	3,366,000	3,232,262
5.750%, 04/01/2033 (B)	9,181,000	8,629,708
Kraft Heinz Foods Company		
4.375%, 06/01/2046	13,908,000	11,819,779
4.875%, 10/01/2049	3,550,000	3,239,254
5.000%, 06/04/2042	3,892,000	3,642,229
Pilgrim's Pride Corp.		
6.250%, 07/01/2033	6,510,000	6,305,534
The Hershey Company		
4.500%, 05/04/2033	2,256,000	2,240,336
		49,576,604
Energy – 3.4%		
Aker BP ASA		
3.100%, 07/15/2031 (B)	3,211,000	2,657,178
3.750%, 01/15/2030 (B)	2,039,000	1,812,226
4.000%, 01/15/2031 (B)	9,819,000	8,732,111
Cheniere Energy Partners LP		
3.250%, 01/31/2032	15,491,000	12,743,670
4.500%, 10/01/2029	3,497,000	3,209,394
Continental Resources, Inc.		
4.900%, 06/01/2044	4,202,000	3,265,331
Diamondback Energy, Inc.		
3.125%, 03/24/2031	5,548,000	4,752,293

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Enbridge, Inc.		
5.750%, (5.750% to 4-15-30, then 5 Year CMT + 5.314%), 07/15/2080	\$ 8,820,000	\$ 7,965,600
6.250%, (6.250% to 3-1-28, then 3 month LIBOR + 3.641%), 03/01/2078	8,767,000	8,066,816
Energy Transfer LP		
4.200%, 04/15/2027	4,899,000	4,677,567
5.150%, 03/15/2045	4,125,000	3,557,101
5.250%, 04/15/2029	17,785,000	17,362,468
5.400%, 10/01/2047	8,136,000	7,170,846
5.500%, 06/01/2027	6,402,000	6,367,301
Enterprise Products Operating LLC		
5.250%, (5.250% to 8-16-27, then 3 month CME Term SOFR + 3.295%), 08/16/2077	12,660,000	11,070,637
Kinder Morgan Energy Partners LP		
7.750%, 03/15/2032	3,697,000	4,138,101
MPLX LP		
4.000%, 03/15/2028	5,620,000	5,296,048
4.125%, 03/01/2027	2,551,000	2,440,895
4.250%, 12/01/2027	4,887,000	4,641,059
4.950%, 09/01/2032	3,979,000	3,800,787
5.000%, 03/01/2033	4,017,000	3,847,823
Occidental Petroleum Corp.		
6.450%, 09/15/2036	9,319,000	9,564,086
6.625%, 09/01/2030	3,170,000	3,293,947
Ovintiv, Inc.		
5.650%, 05/15/2028	2,243,000	2,198,523
6.250%, 07/15/2033	2,249,000	2,218,256
7.200%, 11/01/2031	1,177,000	1,235,073
Sabine Pass Liquefaction LLC		
4.200%, 03/15/2028	4,128,000	3,912,372
4.500%, 05/15/2030	13,283,000	12,626,318
5.000%, 03/15/2027	6,022,000	5,927,377
Targa Resources Corp.		
4.950%, 04/15/2052	7,304,000	6,034,757
Targa Resources Partners LP		
4.000%, 01/15/2032	6,089,000	5,263,518
The Williams Companies, Inc.		
4.650%, 08/15/2032	5,495,000	5,203,831
Var Energi ASA		
7.500%, 01/15/2028 (B)	1,397,000	1,435,739
8.000%, 11/15/2032 (B)	10,520,000	11,130,265
Western Midstream Operating LP		
4.300%, 02/01/2030	6,184,000	5,552,293
6.150%, 04/01/2033	1,540,000	1,552,151
		204,723,758
Financials – 9.2%		
Ally Financial, Inc.		
6.992%, (6.992% to 6-13-28, then SOFR + 3.260%), 06/13/2029	5,910,000	5,836,147
Ares Capital Corp.		
2.150%, 07/15/2026	10,912,000	9,461,512
2.875%, 06/15/2028	6,780,000	5,606,833
3.250%, 07/15/2025	3,689,000	3,412,147
3.875%, 01/15/2026	8,615,000	7,987,093
4.200%, 06/10/2024	2,208,000	2,155,136
Athene Holding, Ltd.		
3.500%, 01/15/2031	13,028,000	10,764,794
Banco Santander SA		
4.379%, 04/12/2028	6,240,000	5,883,619
Bank of America Corp.		
2.087%, (2.087% to 6-14-28, then SOFR + 1.060%), 06/14/2029	11,760,000	10,033,147

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Bank of America Corp. (continued)		
2.592%, (2.592% to 4-29-30, then SOFR + 2.150%), 04/29/2031	\$ 10,542,000	\$ 8,850,395
2.687%, (2.687% to 4-22-31, then SOFR + 1.320%), 04/22/2032	19,364,000	16,047,846
3.248%, 10/21/2027	9,341,000	8,700,806
3.846%, (3.846% to 3-8-32, then 5 Year CMT + 2.000%), 03/08/2037	7,679,000	6,566,500
4.271%, (4.271% to 7-23-28, then 3 month CME Term SOFR + 1.572%), 07/23/2029	14,262,000	13,531,689
Blackstone Private Credit Fund		
2.350%, 11/22/2024	7,493,000	7,000,710
2.700%, 01/15/2025	5,893,000	5,496,822
3.250%, 03/15/2027	1,690,000	1,460,365
4.000%, 01/15/2029	8,340,000	7,069,357
BNP Paribas SA		
9.250%, (9.250% to 11-17-27, then 5 Year CMT + 4.969%), 11/17/2027 (B)(D)	2,997,000	3,088,747
BPCE SA		
4.500%, 03/15/2025 (B)	7,805,000	7,489,704
Citigroup, Inc.		
2.561%, (2.561% to 5-1-31, then SOFR + 1.167%), 05/01/2032	5,665,000	4,625,623
4.600%, 03/09/2026	14,638,000	14,171,758
6.174%, (6.174% to 5-25-33, then SOFR + 2.661%), 05/25/2034	7,476,000	7,541,134
Citizens Financial Group, Inc.		
3.250%, 04/30/2030	10,926,000	8,928,199
CNA Financial Corp.		
2.050%, 08/15/2030	2,944,000	2,354,106
CNO Financial Group, Inc.		
5.250%, 05/30/2029	8,650,000	8,182,790
Credit Agricole SA		
2.811%, 01/11/2041 (B)	4,491,000	2,959,831
3.250%, 01/14/2030 (B)	12,902,000	11,014,274
Danske Bank A/S		
6.466%, (6.466% to 1-9-25, then 1 Year CMT + 2.100%), 01/09/2026 (B)	6,980,000	6,963,356
Deutsche Bank AG		
2.311%, (2.311% to 11-16-26, then SOFR + 1.219%), 11/16/2027	7,009,000	6,023,095
2.552%, (2.552% to 1-7-27, then SOFR + 1.318%), 01/07/2028	11,487,000	9,960,454
Discover Financial Services		
4.100%, 02/09/2027	3,143,000	2,915,890
6.700%, 11/29/2032	7,827,000	8,063,633
JPMorgan Chase & Co.		
2.522%, (2.522% to 4-22-30, then SOFR + 2.040%), 04/22/2031	11,103,000	9,391,412
2.956%, (2.956% to 5-13-30, then 3 month CME Term SOFR + 2.515%), 05/13/2031	11,196,000	9,600,014
4.600%, (4.600% to 2-1-25, then 3 month CME Term SOFR + 3.125%), 02/01/2025 (D)	8,230,000	7,674,475
6.750%, (6.750% to 2-1-24, then 3 month CME Term SOFR + 4.042%), 02/01/2024 (D)	8,072,000	8,092,987
Lazard Group LLC		
4.375%, 03/11/2029	5,875,000	5,453,225

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
M&T Bank Corp.		
5.125%, (5.125% to 11-1-26, then 3 month LIBOR + 3.520%), 11/01/2026 (D)	\$ 3,746,000	\$ 2,956,932
Macquarie Bank, Ltd.		
3.624%, 06/03/2030 (B)	6,523,000	5,485,596
MetLife, Inc.		
6.400%, (6.400% to 12-15-36, then 3 month LIBOR + 2.205%), 12/15/2036	6,447,000	6,434,406
Morgan Stanley		
2.239%, (2.239% to 7-21-31, then SOFR + 1.178%), 07/21/2032	4,486,000	3,565,412
2.484%, (2.484% to 9-16-31, then SOFR + 1.360%), 09/16/2036	11,122,000	8,438,710
4.431%, (4.431% to 1-23-29, then 3 month CME Term SOFR + 1.890%), 01/23/2030	1,512,000	1,438,571
5.164%, (5.164% to 4-20-28, then SOFR + 1.590%), 04/20/2029	8,928,000	8,818,951
NatWest Group PLC		
3.754%, (3.754% to 11-1-24, then 5 Year CMT + 2.100%), 11/01/2029	3,137,000	2,944,660
NatWest Markets PLC		
1.600%, 09/29/2026 (B)	11,436,000	10,026,631
Nippon Life Insurance Company		
2.750%, (2.750% to 1-21-31, then 5 Year CMT + 2.653%), 01/21/2051 (B)	5,792,000	4,763,184
Prudential Financial, Inc.		
5.125%, (5.125% to 11-28-31, then 5 Year CMT + 3.162%), 03/01/2052	2,755,000	2,487,407
Santander Holdings USA, Inc.		
2.490%, (2.490% to 1-6-27, then SOFR + 1.249%), 01/06/2028	6,103,000	5,271,042
3.244%, 10/05/2026	15,129,000	13,621,418
3.450%, 06/02/2025	14,305,000	13,489,324
4.400%, 07/13/2027	3,574,000	3,356,415
SBL Holdings, Inc.		
5.000%, 02/18/2031 (B)	5,793,000	4,486,251
Societe Generale SA		
6.221%, (6.221% to 6-15-32, then 1 Year CMT + 3.200%), 06/15/2033 (B)	4,310,000	4,012,280
6.446%, (6.446% to 1-10-28, then 1 Year CMT + 2.550%), 01/10/2029 (B)	12,442,000	12,460,022
Synovus Bank		
5.625%, 02/15/2028	3,622,000	3,272,432
Teachers Insurance & Annuity Association of America		
4.270%, 05/15/2047 (B)	9,222,000	7,624,732
The Charles Schwab Corp.		
5.643%, (5.643% to 5-19-28, then SOFR + 2.210%), 05/19/2029	7,549,000	7,539,941
The Goldman Sachs Group, Inc.		
2.615%, (2.615% to 4-22-31, then SOFR + 1.281%), 04/22/2032	23,362,000	19,159,625
2.650%, (2.650% to 10-21-31, then SOFR + 1.264%), 10/21/2032	7,882,000	6,424,825
The PNC Financial Services Group, Inc.		
3.400%, (3.400% to 9-15-26, then 5 Year CMT + 2.595%), 09/15/2026 (D)	11,024,000	8,130,200
5.582%, (5.582% to 6-12-28, then SOFR + 1.841%), 06/12/2029	11,207,000	11,154,260

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
The PNC Financial Services Group, Inc. (continued)		
6.250%, (6.250% to 3-15-30, then 7 Year CMT + 2.808%), 03/15/2030 (D)	\$ 4,542,000	\$ 4,077,581
8.536%, (3 month LIBOR + 3.040%), 09/01/2023 (D)(E)	4,314,000	4,275,705
8.977%, (3 month LIBOR + 3.678%), 08/01/2023 (C)(D)(E)	\$ 7,133,000	7,125,854
Truist Financial Corp.		
5.867%, (5.867% to 6-8-33, then SOFR + 2.361%), 06/08/2034	6,656,000	6,658,738
U.S. Bancorp		
5.836%, (5.836% to 6-10-33, then SOFR + 2.260%), 06/12/2034	7,471,000	7,525,057
Wells Fargo & Company		
2.393%, (2.393% to 6-2-27, then SOFR + 2.100%), 06/02/2028	19,183,000	17,094,562
2.879%, (2.879% to 10-30-29, then 3 month CME Term SOFR + 1.432%), 10/30/2030	11,773,000	10,168,159
3.350%, (3.350% to 3-2-32, then SOFR + 1.500%), 03/02/2033	18,031,000	15,431,897
5.875%, (5.875% to 6-15-25, then 3 month LIBOR + 3.990%), 06/15/2025 (D)	22,240,000	21,792,937
		551,873,342
Health care – 1.5%		
AmerisourceBergen Corp.		
2.800%, 05/15/2030	9,144,000	7,935,338
Amgen, Inc.		
5.250%, 03/02/2030	2,398,000	2,402,785
Centene Corp.		
4.625%, 12/15/2029	13,970,000	12,858,503
CVS Health Corp.		
3.750%, 04/01/2030	2,600,000	2,384,921
5.050%, 03/25/2048	5,828,000	5,371,917
5.250%, 01/30/2031	1,445,000	1,440,465
5.300%, 06/01/2033	4,018,000	4,011,760
Fresenius Medical Care US Finance III, Inc.		
2.375%, 02/16/2031 (B)	12,349,000	9,369,701
3.750%, 06/15/2029 (B)	12,965,000	11,391,184
Pfizer Investment Enterprises Pte, Ltd.		
4.750%, 05/19/2033	7,644,000	7,615,200
Royalty Pharma PLC		
1.750%, 09/02/2027	4,117,000	3,530,251
Universal Health Services, Inc.		
1.650%, 09/01/2026	6,167,000	5,391,039
2.650%, 10/15/2030	6,598,000	5,388,899
Viatis, Inc.		
2.300%, 06/22/2027	4,139,000	3,616,063
2.700%, 06/22/2030	5,131,000	4,152,163
4.000%, 06/22/2050	6,862,000	4,538,109
		91,398,298
Industrials – 4.4%		
AerCap Ireland Capital DAC		
1.750%, 01/30/2026	9,702,000	8,708,589
2.450%, 10/29/2026	24,766,000	22,119,771
3.000%, 10/29/2028	12,158,000	10,512,448
Air Canada 2013-1 Class A Pass Through Trust		
4.125%, 05/15/2025 (B)	2,379,032	2,236,290

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Air Canada 2017-1 Class B Pass Through Trust		
3.700%, 01/15/2026 (B)	\$ 3,166,905	\$ 2,929,387
Air Lease Corp.		
2.100%, 09/01/2028	4,481,000	3,722,095
2.875%, 01/15/2026	3,181,000	2,942,542
3.625%, 12/01/2027	4,932,000	4,499,450
Alaska Airlines 2020-1 Class B Pass Through Trust		
8.000%, 08/15/2025 (B)	4,327,839	4,338,785
American Airlines 2016-1 Class A Pass Through Trust		
4.100%, 01/15/2028	7,196,818	6,383,578
American Airlines 2016-1 Class AA Pass Through Trust		
3.575%, 01/15/2028	6,302,044	5,816,660
American Airlines 2017-1 Class A Pass Through Trust		
4.000%, 02/15/2029	4,796,050	4,144,521
American Airlines 2017-1 Class AA Pass Through Trust		
3.650%, 02/15/2029	5,513,150	5,055,448
American Airlines 2017-2 Class A Pass Through Trust		
3.600%, 10/15/2029	4,168,448	3,509,312
American Airlines 2019-1 Class A Pass Through Trust		
3.500%, 02/15/2032	6,487,288	5,189,830
American Airlines 2019-1 Class AA Pass Through Trust		
3.150%, 02/15/2032	6,610,370	5,729,736
American Airlines 2021-1 Class A Pass Through Trust		
2.875%, 07/11/2034	4,174,978	3,466,276
Ashtead Capital, Inc.		
1.500%, 08/12/2026 (B)	3,400,000	2,970,863
4.250%, 11/01/2029 (B)	2,302,000	2,089,224
5.500%, 08/11/2032 (B)	5,436,000	5,255,870
5.550%, 05/30/2033 (B)	2,706,000	2,637,767
British Airways 2013-1 Class A Pass Through Trust		
4.625%, 06/20/2024 (B)	1,635,489	1,612,835
British Airways 2018-1 Class A Pass Through Trust		
4.125%, 09/20/2031 (B)	1,336,754	1,183,027
British Airways 2020-1 Class A Pass Through Trust		
4.250%, 11/15/2032 (B)	2,307,215	2,104,180
British Airways 2020-1 Class B Pass Through Trust		
8.375%, 11/15/2028 (B)	2,860,533	2,839,079
CoStar Group, Inc.		
2.800%, 07/15/2030 (B)	8,616,000	7,106,495
DAE Funding LLC		
3.375%, 03/20/2028 (B)	9,216,000	8,280,779
Delta Air Lines, Inc.		
4.750%, 10/20/2028 (B)	8,667,678	8,413,619
Huntington Ingalls Industries, Inc.		
4.200%, 05/01/2030	4,396,000	4,073,188
JetBlue 2019-1 Class AA Pass Through Trust		
2.750%, 05/15/2032	6,628,439	5,633,282
Owens Corning		
3.950%, 08/15/2029	8,341,000	7,752,251

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Regal Rexnord Corp.		
6.050%, 02/15/2026 (B)	\$ 4,778,000	\$ 4,784,065
6.400%, 04/15/2033 (B)	4,095,000	4,091,548
SMBC Aviation Capital Finance DAC		
2.300%, 06/15/2028 (B)	3,894,000	3,311,969
The Boeing Company		
3.200%, 03/01/2029	4,360,000	3,898,273
5.040%, 05/01/2027	12,008,000	11,861,112
5.150%, 05/01/2030	17,787,000	17,615,358
United Airlines 2014-2 Class A Pass Through Trust		
3.750%, 09/03/2026	8,823,231	8,256,515
United Airlines 2016-1 Class A Pass Through Trust		
3.450%, 07/07/2028	8,014,239	6,818,165
United Airlines 2016-1 Class B Pass Through Trust		
3.650%, 01/07/2026	7,247,049	6,646,819
United Airlines 2018-1 Class B Pass Through Trust		
4.600%, 03/01/2026	2,889,156	2,717,571
United Airlines 2019-1 Class A Pass Through Trust		
4.550%, 08/25/2031	4,570,078	4,021,669
United Airlines 2020-1 Class A Pass Through Trust		
5.875%, 10/15/2027	13,522,027	13,285,391
United Airlines 2020-1 Class B Pass Through Trust		
4.875%, 01/15/2026	4,084,655	3,890,634
US Airways 2012-1 Class A Pass Through Trust		
5.900%, 04/01/2026	5,584,990	5,473,290
US Airways 2012-2 Class A Pass Through Trust		
4.625%, 06/03/2025	3,082,054	2,882,301
		262,811,857
Information technology – 2.6%		
Autodesk, Inc.		
2.850%, 01/15/2030	3,346,000	2,933,486
Broadcom, Inc.		
3.419%, 04/15/2033 (B)	11,115,000	9,295,011
4.750%, 04/15/2029	22,614,000	21,876,725
4.926%, 05/15/2037 (B)	3,339,000	3,021,809
Dell International LLC		
4.900%, 10/01/2026	10,841,000	10,763,956
5.300%, 10/01/2029	5,382,000	5,342,760
Flex, Ltd.		
6.000%, 01/15/2028	9,336,000	9,481,416
Foundry JV Holdco LLC		
5.875%, 01/25/2034 (B)	6,237,000	6,212,344
Micron Technology, Inc.		
4.185%, 02/15/2027	13,483,000	12,918,112
5.327%, 02/06/2029	16,723,000	16,464,604
Motorola Solutions, Inc.		
2.300%, 11/15/2030	10,325,000	8,340,152
2.750%, 05/24/2031	8,602,000	7,047,272
4.600%, 05/23/2029	3,233,000	3,130,100
NXP BV		
3.875%, 06/18/2026	11,636,000	11,176,967
Oracle Corp.		
2.950%, 04/01/2030	9,808,000	8,561,066
Qorvo, Inc.		
3.375%, 04/01/2031 (B)	3,682,000	2,968,381

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
VeriSign, Inc.		
2.700%, 06/15/2031	\$ 4,203,000	\$ 3,498,314
VMware, Inc.		
4.700%, 05/15/2030	10,672,000	10,184,774
		153,217,249
Materials – 0.5%		
Anglo American Capital PLC		
4.750%, 04/10/2027 (B)	4,433,000	4,284,220
Braskem Netherlands Finance BV		
5.875%, 01/31/2050 (B)	5,979,000	4,831,413
Freeport-McMoRan, Inc.		
4.250%, 03/01/2030	6,421,000	5,917,183
5.450%, 03/15/2043	7,603,000	7,089,370
Newmont Corp.		
2.800%, 10/01/2029	3,137,000	2,696,728
OCI NV		
6.700%, 03/16/2033 (B)	4,023,000	3,933,114
		28,752,028
Real estate – 1.6%		
American Homes 4 Rent LP		
4.250%, 02/15/2028	3,147,000	2,962,132
American Tower Corp.		
3.800%, 08/15/2029	12,035,000	10,979,340
American Tower Trust I		
5.490%, 03/15/2028 (B)	7,048,000	7,053,703
Crown Castle, Inc.		
3.650%, 09/01/2027	11,831,000	11,058,004
3.800%, 02/15/2028	4,658,000	4,341,485
Extra Space Storage LP		
5.700%, 04/01/2028	2,092,000	2,089,940
GLP Capital LP		
3.250%, 01/15/2032	3,361,000	2,713,717
4.000%, 01/15/2030	3,326,000	2,882,504
5.375%, 04/15/2026	4,312,000	4,221,078
Host Hotels & Resorts LP		
3.375%, 12/15/2029	10,874,000	9,286,153
3.500%, 09/15/2030	3,530,000	2,990,290
4.000%, 06/15/2025	12,157,000	11,684,507
Prologis LP		
5.125%, 01/15/2034	7,898,000	7,841,617
SBA Tower Trust		
2.836%, 01/15/2025 (B)	3,799,000	3,607,205
6.599%, 01/15/2028 (B)	2,536,000	2,576,948
VICI Properties LP		
4.125%, 08/15/2030 (B)	2,123,000	1,869,153
4.375%, 05/15/2025	2,868,000	2,771,791
4.625%, 12/01/2029 (B)	4,089,000	3,712,280
5.125%, 05/15/2032	1,733,000	1,621,471
		96,263,318
Utilities – 1.8%		
AES Panama Generation Holdings SRL		
4.375%, 05/31/2030 (B)	5,898,714	5,036,027
Atlantica Transmission Sur SA		
6.875%, 04/30/2043 (B)	2,486,978	2,350,194
Dominion Energy, Inc.		
3.375%, 04/01/2030	5,292,000	4,733,436
Duke Energy Carolinas LLC		
4.950%, 01/15/2033	6,133,000	6,087,571
Duke Energy Corp.		
2.450%, 06/01/2030	2,272,000	1,907,892
Emera US Finance LP		
3.550%, 06/15/2026	6,192,000	5,854,905
Eversource Energy		
5.125%, 05/15/2033	5,667,000	5,584,824

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Georgia Power Company 4.950%, 05/17/2033	\$ 3,760,000	\$ 3,711,486
Indianapolis Power & Light Company 5.650%, 12/01/2032 (B)	9,200,000	9,383,155
National Grid PLC 5.809%, 06/12/2033	9,695,000	9,865,520
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	3,071,000	2,554,212
NiSource, Inc. 1.700%, 02/15/2031	2,272,000	1,776,410
3.600%, 05/01/2030	4,887,000	4,401,132
5.250%, 03/30/2028	1,446,000	1,444,856
NRG Energy, Inc. 2.450%, 12/02/2027 (B)	6,241,000	5,259,341
4.450%, 06/15/2029 (B)	5,451,000	4,817,859
7.000%, 03/15/2033 (B)	6,323,000	6,375,386
Sempra Energy 5.500%, 08/01/2033	5,830,000	5,791,108
Vistra Operations Company LLC 3.700%, 01/30/2027 (B)	12,134,000	11,111,918
4.300%, 07/15/2029 (B)	11,729,000	10,393,954
		108,441,186
TOTAL CORPORATE BONDS (Cost \$1,953,268,024)		\$ 1,769,766,533
MUNICIPAL BONDS – 0.8%		
Foothill-Eastern Transportation Corridor Agency (California) 4.094%, 01/15/2049		
	8,396,000	6,936,047
Golden State Tobacco Securitization Corp. (California) 4.214%, 06/01/2050		
	4,975,000	3,717,471
Maryland Health & Higher Educational Facilities Authority 3.197%, 07/01/2050		
	14,500,000	9,936,179
Mississippi Hospital Equipment & Facilities Authority 3.720%, 09/01/2026		
	7,677,000	7,151,757
New Jersey Transportation Trust Fund Authority 4.081%, 06/15/2039		
	2,000	1,763
Ohio Turnpike & Infrastructure Commission 3.216%, 02/15/2048		
	6,950,000	5,088,434
Regents of the University of California Medical Center Pooled Revenue 3.006%, 05/15/2050		
	14,500,000	10,191,776
State Board of Administration Finance Corp. (Florida) 1.705%, 07/01/2027		
	5,122,000	4,533,979
TOTAL MUNICIPAL BONDS (Cost \$62,520,666)		\$ 47,557,406
COLLATERALIZED MORTGAGE OBLIGATIONS – 6.4%		
Commercial and residential – 5.1%		
Angel Oak Mortgage Trust LLC Series 2020-R1, Class A1, 0.990%, 04/25/2053 (B)(F)		
	2,675,334	2,396,530
Series 2021-2, Class A1, 0.985%, 04/25/2066 (B)(F)		
	2,378,695	1,936,673
Series 2021-4, Class A1, 1.035%, 01/20/2065 (B)(F)		
	4,476,463	3,548,904
Series 2021-5, Class A1, 0.951%, 07/25/2066 (B)(F)		
	4,998,992	4,058,063

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Arroyo Mortgage Trust Series 2021-1R, Class A1 1.175%, 10/25/2048 (B)(F)		
	\$ 4,145,442	\$ 3,306,864
BAMLL Commercial Mortgage Securities Trust Series 2015-200P, Class A 3.218%, 04/14/2033 (B)		
	5,706,000	5,298,299
BBCMS Mortgage Trust Series 2020-C6, Class A2 2.690%, 02/15/2053		
	3,175,000	2,933,837
BOCA Commercial Mortgage Trust Series 2022-BOCA, Class B (1 month CME Term SOFR + 2.319%) 7.466%, 05/15/2039 (B)(E)		
	2,231,000	2,202,509
BRAVO Residential Funding Trust Series 2021-NQM1, Class A1 0.941%, 02/25/2049 (B)(F)		
	2,846,362	2,472,153
BX Commercial Mortgage Trust Series 2021-VOLT, Class C (1 month LIBOR + 1.100%) 6.293%, 09/15/2036 (B)(E)		
	7,399,000	7,027,669
BX Trust Series 2021-MFM1, Class D (1 month CME Term SOFR + 1.614%), 6.761%, 01/15/2034 (B)(E)		
	3,097,040	3,007,566
Series 2022-CLS, Class A, 5.760%, 10/13/2027 (B)		
	5,805,000	5,588,913
BXHPP Trust Series 2021-FILM, Class C (1 month LIBOR + 1.100%) 6.293%, 08/15/2036 (B)(E)		
	17,743,000	15,843,718
CAMB Commercial Mortgage Trust Series 2019-LIFE, Class D (1 month LIBOR + 1.750%) 6.943%, 12/15/2037 (B)(E)		
	1,944,000	1,909,752
Cantor Commercial Real Estate Lending Series 2019-CF1, Class A2 3.623%, 05/15/2052		
	11,754,000	11,138,665
Citigroup Commercial Mortgage Trust Series 2019-SMRT, Class A, 4.149%, 01/10/2036 (B)		
	3,645,000	3,620,345
Series 2020-GC46, Class A2, 2.708%, 02/15/2053		
	13,170,000	12,361,841
Series 2023-SMRT, Class A, 6.015%, 06/10/2028 (B)(F)		
	4,232,000	4,223,931
COLT Mortgage Loan Trust Series 2021-2, Class A1, 0.924%, 08/25/2066 (B)(F)		
	4,610,217	3,526,162
Series 2021-3, Class A1, 0.956%, 09/27/2066 (B)(F)		
	5,184,214	4,008,447
Series 2021-HX1, Class A1, 1.110%, 10/25/2066 (B)(F)		
	4,329,832	3,453,198
COLT Trust Series 2020-RPL1, Class A1 1.390%, 01/25/2065 (B)(F)		
	7,137,640	5,841,822
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2020-CX, Class D 2.773%, 11/10/2046 (B)(F)		
	4,291,000	3,184,857
Commercial Mortgage Trust (Deutsche Bank AG) Series 2020-CBM, Class A2 2.896%, 02/10/2037 (B)		
	5,531,000	5,172,403

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Credit Suisse Mortgage		
Capital Certificates		
Series 2019-ICE4, Class B (1 month LIBOR + 1.230%), 6.423%, 05/15/2036 (B)(E)	\$ 4,340,202	\$ 4,310,393
Series 2019-ICE4, Class D (1 month LIBOR + 1.600%), 6.793%, 05/15/2036 (B)(E)	5,822,514	5,752,306
Series 2020-NET, Class A, 2.257%, 08/15/2037 (B)	2,185,285	1,954,910
Series 2021-AFC1, Class A1, 0.830%, 03/25/2056 (B)(F)	8,193,958	6,232,869
Series 2021-NQM2, Class A1, 1.179%, 02/25/2066 (B)(F)	4,123,591	3,420,117
Series 2021-NQM3, Class A1, 1.015%, 04/25/2066 (B)(F)	3,732,355	3,045,820
Series 2021-NQM5, Class A1, 0.938%, 05/25/2066 (B)(F)	2,693,086	2,080,542
Series 2021-NQM6, Class A1, 1.174%, 07/25/2066 (B)(F)	4,984,728	3,930,310
Series 2021-RPL2, Class A1A, 1.115%, 01/25/2060 (B)(F)	8,593,389	6,878,476
DBJPM Mortgage Trust		
Series 2020-C9, Class A2 1.900%, 08/15/2053	8,970,000	8,092,002
Deephaven Residential Mortgage Trust		
Series 2021-2, Class A1 0.899%, 04/25/2066 (B)(F)	4,101,992	3,454,600
Ellington Financial Mortgage Trust		
Series 2021-1, Class A1, 0.797%, 02/25/2066 (B)(F)	1,738,453	1,439,787
Series 2021-2, Class A1, 0.931%, 06/25/2066 (B)(F)	3,713,590	2,936,949
Flagstar Mortgage Trust		
Series 2021-1, Class A2 2.500%, 02/01/2051 (B)(F)	7,361,306	5,927,287
GCAT Trust		
Series 2021-NQM1, Class A1, 0.874%, 01/25/2066 (B)(F)	3,056,747	2,541,765
Series 2021-NQM2, Class A1, 1.036%, 05/25/2066 (B)(F)	3,205,321	2,574,062
Series 2021-NQM3, Class A1, 1.091%, 05/25/2066 (B)(F)	3,680,788	2,961,788
GS Mortgage Securities Trust		
Series 2019-GC40, Class A2, 2.971%, 07/10/2052	3,871,000	3,728,558
Series 2020-UPTN, Class A, 2.751%, 02/10/2037 (B)	5,820,000	5,356,337
GS Mortgage-Backed Securities Trust		
Series 2020-NQM1, Class A1, 1.382%, 09/27/2060 (B)(F)	1,000,986	902,492
Series 2021-NQM1, Class A1, 1.017%, 07/25/2061 (B)(F)	2,256,201	1,916,093
Imperial Fund Mortgage Trust		
Series 2021-NQM1, Class A1 1.071%, 06/25/2056 (B)(F)	3,010,329	2,501,300
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2022-OPO, Class A 3.024%, 01/05/2039 (B)	6,678,000	5,313,126

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
KNDL Mortgage Trust		
Series 2019-KNSQ, Class C (1 month LIBOR + 1.200%) 6.393%, 05/15/2036 (B)(E)	\$ 8,981,000	\$ 8,867,007
Life Mortgage Trust		
Series 2021-BMR, Class D (1 month CME Term SOFR + 1.514%), 6.661%, 03/15/2038 (B)(E)	5,951,884	5,720,204
Series 2022-BMR2, Class A1 (1 month CME Term SOFR + 1.295%), 6.442%, 05/15/2039 (B)(E)	7,889,000	7,718,924
MFA Trust		
Series 2021-NQM1, Class A1 1.153%, 04/25/2065 (B)(F)	2,460,690	2,135,304
New Residential Mortgage Loan Trust		
Series 2020-1A, Class A1B 3.500%, 10/25/2059 (B)(F)	2,534,569	2,330,145
NMLT Trust		
Series 2021-INV1, Class A1 1.185%, 05/25/2056 (B)(F)	7,638,647	6,197,721
NYMT Loan Trust		
Series 2022-CP1, Class A1 2.042%, 07/25/2061 (B)	3,131,400	2,791,433
OBX Trust		
Series 2020-EXP2, Class A3, 2.500%, 05/25/2060 (B)(F)	2,127,263	1,746,610
Series 2021-NQM2, Class A1, 1.101%, 05/25/2061 (B)(F)	3,713,110	2,877,235
Series 2021-NQM3, Class A1, 1.054%, 07/25/2061 (B)(F)	5,365,415	4,032,409
Provident Funding Mortgage Trust		
Series 2020-F1, Class A2 2.000%, 01/25/2036 (B)(F)	6,185,668	5,370,502
SLG Office Trust		
Series 2021-OVA, Class C 2.851%, 07/15/2041 (B)	13,974,000	10,679,150
Starwood Mortgage Residential Trust		
Series 2021-2, Class A1, 0.943%, 05/25/2065 (B)(F)	3,295,807	2,903,775
Series 2022-1, Class A1, 2.447%, 12/25/2066 (B)(F)	5,525,884	4,647,332
Towd Point Mortgage Trust		
Series 2015-1, Class A5, 4.095%, 10/25/2053 (B)(F)	2,759,000	2,683,112
Series 2017-2, Class A1, 2.750%, 04/25/2057 (B)(F)	173,701	171,698
Series 2018-4, Class A1, 3.000%, 06/25/2058 (B)(F)	3,245,214	2,949,802
Series 2018-6, Class A1A, 3.750%, 03/25/2058 (B)(F)	346,843	334,864
Series 2019-4, Class A1, 2.900%, 10/25/2059 (B)(F)	3,170,312	2,912,273
Series 2020-4, Class A1, 1.750%, 10/25/2060 (B)	4,108,055	3,568,994
Verus Securitization Trust		
Series 2020-5, Class A1 (1.218% to 10-1-24, then 2.218% thereafter), 1.218%, 05/25/2065 (B)	1,418,365	1,275,244
Series 2021-1, Class A1, 0.815%, 01/25/2066 (B)(F)	4,119,933	3,463,040
Series 2021-3, Class A1, 1.046%, 06/25/2066 (B)(F)	4,211,442	3,512,340

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Verus Securitization Trust (continued)		
Series 2021-4, Class A1, 0.938%, 07/25/2066 (B)(F)	\$ 3,053,477	\$ 2,385,740
Series 2021-5, Class A1, 1.013%, 09/25/2066 (B)(F)	4,727,561	3,726,567
Series 2021-R2, Class A1, 0.918%, 02/25/2064 (B)(F)	2,766,325	2,363,820
Visio Trust		
Series 2020-1R, Class A1 1.312%, 11/25/2055 (B)	3,181,218	2,799,351
		305,479,606
U.S. Government Agency – 1.3%		
Federal Home Loan Mortgage Corp.		
Series 2022-DNA4, Class M1B (1 month SOFR + 3.350%), 8.417%, 05/25/2042 (B)(E)	3,368,000	3,405,890
Series 2022-DNA5, Class M1B (1 month SOFR + 4.500%), 9.567%, 06/25/2042 (B)(E)	4,480,000	4,704,000
Series K038, Class X1 IO, 1.229%, 03/25/2024	49,080,923	225,169
Series K048, Class X1 IO, 0.338%, 06/25/2025	151,097,303	543,588
Federal National Mortgage Association		
Series 427, Class C20 IO 2.000%, 02/25/2051	42,053,916	5,508,830
Government National Mortgage Association		
Series 2012-114, Class IO, 0.620%, 01/16/2053	12,811,654	196,286
Series 2016-174, Class IO, 0.892%, 11/16/2056	9,969,238	395,994
Series 2017-109, Class IO, 0.230%, 04/16/2057	11,577,478	206,696
Series 2017-124, Class IO, 0.619%, 01/16/2059	13,819,279	412,612
Series 2017-135, Class IO, 0.719%, 10/16/2058	40,438,229	1,594,168
Series 2017-140, Class IO, 0.486%, 02/16/2059	19,262,289	617,482
Series 2017-159, Class IO, 0.433%, 06/16/2059	27,189,782	816,313
Series 2017-20, Class IO, 0.530%, 12/16/2058	25,325,423	619,369
Series 2017-22, Class IO, 0.757%, 12/16/2057	12,371,841	436,643
Series 2017-41, Class IO, 0.593%, 07/16/2058	9,622,468	261,263
Series 2017-46, Class IO, 0.698%, 11/16/2057	14,804,602	545,162
Series 2017-61, Class IO, 0.745%, 05/16/2059	21,577,440	771,609
Series 2018-158, Class IO, 0.774%, 05/16/2061	20,419,789	991,842
Series 2018-69, Class IO, 0.611%, 04/16/2060	22,702,972	1,004,711
Series 2019-131, Class IO, 0.802%, 07/16/2061	26,952,993	1,436,966
Series 2020-100, Class IO, 0.783%, 05/16/2062	28,694,724	1,638,641
Series 2020-108, Class IO, 0.847%, 06/16/2062	69,509,447	4,004,043

Select Bond Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued)		
Series 2020-114, Class IO, 0.800%, 09/16/2062	\$ 68,396,252	\$ 4,090,240
Series 2020-118, Class IO, 0.881%, 06/16/2062	50,475,685	3,034,679
Series 2020-119, Class IO, 0.602%, 08/16/2062	28,430,536	1,379,225
Series 2020-120, Class IO, 0.761%, 05/16/2062	15,922,805	902,780
Series 2020-137, Class IO, 0.795%, 09/16/2062	88,814,737	4,885,459
Series 2020-150, Class IO, 0.962%, 12/16/2062	45,109,286	3,136,557
Series 2020-170, Class IO, 0.833%, 11/16/2062	58,173,797	3,601,098
Series 2020-92, Class IO, 0.878%, 02/16/2062	65,853,577	4,229,354
Series 2021-10, Class IO, 0.986%, 05/16/2063	42,089,311	2,949,110
Series 2021-11, Class IO, 1.020%, 12/16/2062	65,452,693	4,548,628
Series 2021-203, Class IO, 0.869%, 07/16/2063	55,117,669	3,566,025
Series 2021-3, Class IO, 0.867%, 09/16/2062	76,575,923	4,805,445
Series 2021-40, Class IO, 0.824%, 02/16/2063	20,004,685	1,242,459
Series 2022-181, Class IO, 0.715%, 07/16/2064	20,588,163	1,488,292
Series 2022-21, Class IO, 0.783%, 10/16/2063	18,890,179	1,188,120
		75,384,748
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		
(Cost \$496,018,224)		\$ 380,864,354
ASSET BACKED SECURITIES – 8.1%		
ABPCI Direct Lending Fund I, Ltd.		
Series 2020-1A, Class A 3.199%, 12/20/2030 (B)	9,473,000	8,823,010
Aligned Data Centers Issuer LLC		
Series 2021-1A, Class A2 1.937%, 08/15/2046 (B)	10,977,000	9,598,079
AMSR Trust		
Series 2020-SFR2, Class A 1.632%, 07/17/2037 (B)	7,815,000	7,159,531
Series 2020-SFR4, Class A 1.355%, 11/17/2037 (B)	2,973,000	2,683,838
Series 2021-SFR1, Class B 2.153%, 06/17/2038 (B)(F)	5,614,000	4,704,081
Series 2021-SFR4, Class A 2.117%, 12/17/2038 (B)	1,681,000	1,486,216
Applebee's Funding LLC		
Series 2023-1A, Class A2 7.824%, 03/05/2053 (B)	3,779,000	3,717,950
Aqua Finance Trust		
Series 2021-A, Class A 1.540%, 07/17/2046 (B)	2,805,861	2,478,259
Arby's Funding LLC		
Series 2020-1A, Class A2 3.237%, 07/30/2050 (B)	8,155,385	7,185,359
Beacon Container Finance II LLC		
Series 2021-1A, Class A 2.250%, 10/22/2046 (B)	8,684,167	7,406,958

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
BRE Grand Islander Timeshare Issuer LLC Series 2019-A, Class A 3.280%, 09/26/2033 (B)	\$ 2,325,584	\$ 2,184,570
CARS-DB4 LP Series 2020-1A, Class A1 2.690%, 02/15/2050 (B)	6,349,424	5,958,343
CF Hippolyta Issuer LLC Series 2020-1, Class A1 1.690%, 07/15/2060 (B)	7,713,700	6,922,204
Series 2021-1A, Class A1 1.530%, 03/15/2061 (B)	6,834,630	5,921,262
Chase Auto Credit Linked Notes Series 2021-3, Class B 0.760%, 02/26/2029 (B)	2,478,253	2,359,841
CLI Funding VI LLC Series 2020-1A, Class A 2.080%, 09/18/2045 (B)	7,815,442	6,766,117
CLI Funding VIII LLC Series 2021-1A, Class A 1.640%, 02/18/2046 (B)	6,857,096	5,842,713
Series 2022-1A, Class A 2.720%, 01/18/2047 (B)	4,763,873	4,045,139
CyrusOne Data Centers Issuer I LLC Series 2023-1A, Class A2 4.300%, 04/20/2048 (B)	7,607,000	6,783,856
DataBank Issuer Series 2021-1A, Class A2 2.060%, 02/27/2051 (B)	11,474,000	10,053,760
Series 2021-2A, Class A2 2.400%, 10/25/2051 (B)	5,475,000	4,722,641
DB Master Finance LLC Series 2017-1A, Class A2II 4.030%, 11/20/2047 (B)	2,783,755	2,544,104
Series 2021-1A, Class A2I 2.045%, 11/20/2051 (B)	12,193,315	10,611,281
Diamond Infrastructure Funding LLC Series 2021-1A, Class A 1.760%, 04/15/2049 (B)	8,607,000	7,388,665
Domino's Pizza Master Issuer LLC Series 2017-1A, Class A23 4.118%, 07/25/2047 (B)	8,202,508	7,549,276
Series 2019-1A, Class A2 3.668%, 10/25/2049 (B)	3,483,000	3,043,376
Series 2021-1A, Class A2I 2.662%, 04/25/2051 (B)	5,537,000	4,693,809
Driven Brands Funding LLC Series 2018-1A, Class A2 4.739%, 04/20/2048 (B)	2,346,500	2,241,748
Series 2020-2A, Class A2 3.237%, 01/20/2051 (B)	5,513,100	4,735,670
Series 2021-1A, Class A2 2.791%, 10/20/2051 (B)	7,940,085	6,518,595
Elara HGV Timeshare Issuer LLC Series 2019-A, Class A 2.610%, 01/25/2034 (B)	1,250,301	1,158,991
FirstKey Homes Trust Series 2020-SFR2, Class A 1.266%, 10/19/2037 (B)	5,303,081	4,760,716
Series 2021-SFR1, Class A 1.538%, 08/17/2038 (B)	4,071,378	3,563,134
Series 2021-SFR1, Class C 1.888%, 08/17/2038 (B)	9,689,000	8,398,429
Five Guys Funding LLC Series 2017-1A, Class A2 4.600%, 07/25/2047 (B)	4,891,510	4,770,939

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Golub Capital Partners Funding, Ltd. Series 2020-1A, Class A2 3.208%, 01/22/2029 (B)	\$ 5,802,000	\$ 5,403,113
Series 2021-1A, Class A2 2.773%, 04/20/2029 (B)	5,593,000	5,154,410
HI-FI Music IP Issuer LP Series 2022-1A, Class A2 3.939%, 02/01/2062 (B)	4,413,000	4,028,930
Hilton Grand Vacations Trust Series 2018-AA, Class A 3.540%, 02/25/2032 (B)	1,257,846	1,210,572
Home Partners of America Trust Series 2021-2, Class A 1.901%, 12/17/2026 (B)	3,091,570	2,696,365
Hotwire Funding LLC Series 2021-1, Class A2 2.311%, 11/20/2051 (B)	3,369,000	2,951,560
Series 2023-1A, Class A2 5.687%, 05/20/2053 (B)	6,594,000	6,435,085
Jack in the Box Funding LLC Series 2019-1A, Class A23 4.970%, 08/25/2049 (B)	2,554,208	2,289,451
Series 2022-1A, Class A2I 3.445%, 02/26/2052 (B)	6,725,550	5,953,699
Laurel Road Prime Student Loan Trust Series 2019-A, Class A2FX 2.730%, 10/25/2048 (B)	479,614	463,202
MetroNet Infrastructure Issuer LLC Series 2023-1A, Class A2 6.560%, 04/20/2053 (B)	4,446,000	4,320,832
Monroe Capital Funding, Ltd. Series 2021-1A, Class A2 2.815%, 04/22/2031 (B)	13,424,000	12,690,088
MVW Owner Trust Series 2018-1A, Class A 3.450%, 01/21/2036 (B)	2,146,646	2,087,955
Navient Private Education Loan Trust Series 2016-AA, Class A2A 3.910%, 12/15/2045 (B)	1,503,036	1,451,163
Navient Private Education Refi Loan Trust Series 2019-EA, Class A2A 2.640%, 05/15/2068 (B)	2,478,733	2,327,744
Series 2019-FA, Class A2 2.600%, 08/15/2068 (B)	3,098,720	2,841,896
Series 2020-BA, Class A2 2.120%, 01/15/2069 (B)	4,354,876	3,947,070
Series 2020-GA, Class A 1.170%, 09/16/2069 (B)	3,952,871	3,498,104
Series 2020-HA, Class A 1.310%, 01/15/2069 (B)	5,107,207	4,614,251
Series 2021-A, Class A 0.840%, 05/15/2069 (B)	4,701,566	4,078,215
Navient Student Loan Trust Series 2020-2A, Class A1A 1.320%, 08/26/2069 (B)	3,474,445	2,926,191
Neighborly Issuer LLC Series 2021-1A, Class A2 3.584%, 04/30/2051 (B)	10,497,760	8,758,271
Series 2022-1A, Class A2 3.695%, 01/30/2052 (B)	4,308,463	3,513,663
New Economy Assets Phase 1 Sponsor LLC Series 2021-1, Class A1 1.910%, 10/20/2061 (B)	9,768,000	8,319,472
Series 2021-1, Class B1 2.410%, 10/20/2061 (B)	3,933,000	3,275,149

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
NRZ Excess Spread-Collateralized Notes		
Series 2020-PLS1, Class A 3.844%, 12/25/2025 (B)	\$ 1,584,178	\$ 1,470,699
Series 2021-FHT1, Class A 3.104%, 07/25/2026 (B)	1,583,486	1,409,625
Oxford Finance Funding LLC Series 2020-1A, Class A2 3.101%, 02/15/2028 (B)	3,446,547	3,413,089
Progress Residential Trust Series 2021-SFR2, Class A 1.546%, 04/19/2038 (B)	14,064,537	12,510,772
Series 2021-SFR5, Class A 1.427%, 07/17/2038 (B)	9,448,062	8,278,091
Series 2021-SFR8, Class B 1.681%, 10/17/2038 (B)	3,129,000	2,713,651
SCF Equipment Leasing LLC Series 2019-2A, Class C 3.110%, 06/21/2027 (B)	9,392,000	8,999,238
Series 2021-1A, Class B 1.370%, 08/20/2029 (B)	5,189,000	4,759,587
Series 2022-2A, Class A3 6.500%, 10/21/2030 (B)	8,159,000	8,216,146
SERVPRO Master Issuer LLC Series 2021-1A, Class A2 2.394%, 04/25/2051 (B)	5,036,220	4,134,817
Sesac Finance LLC Series 2019-1, Class A2 5.216%, 07/25/2049 (B)	7,531,563	7,069,102
Sierra Timeshare Receivables Funding LLC Series 2021-1A, Class A 0.990%, 11/20/2037 (B)	3,508,937	3,250,047
SMB Private Education Loan Trust Series 2019-B, Class A2A 2.840%, 06/15/2037 (B)	4,349,711	4,048,803
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (B)	3,276,341	2,904,723
Series 2021-A, Class APT2 1.070%, 01/15/2053 (B)	2,019,469	1,726,070
SoFi Professional Loan Program LLC Series 2019-B, Class A2FX 3.090%, 08/17/2048 (B)	1,160,267	1,090,925
Sonic Capital LLC Series 2020-1A, Class A2I 3.845%, 01/20/2050 (B)	6,566,523	5,937,004
Series 2020-1A, Class A2II 4.336%, 01/20/2050 (B)	5,403,438	4,722,330
Series 2021-1A, Class A2I 2.190%, 08/20/2051 (B)	5,888,123	4,716,192
Starwood Property Mortgage Trust Series 2021-SIF2A, Class A1 (3 month CME Term SOFR + 1.550%) 6.536%, 01/15/2033 (B)(E)	10,802,000	10,734,809
Sunbird Engine Finance LLC Series 2020-1A, Class A 3.671%, 02/15/2045 (B)	3,562,796	2,957,120
Taco Bell Funding LLC Series 2021-1A, Class A2I 1.946%, 08/25/2051 (B)	10,304,085	8,858,628
TIF Funding II LLC Series 2020-1A, Class A 2.090%, 08/20/2045 (B)	9,259,053	8,023,324
Series 2021-1A, Class A 1.650%, 02/20/2046 (B)	4,209,576	3,479,688
Tricon American Homes Trust Series 2020-SFR2, Class A 1.482%, 11/17/2039 (B)	6,245,511	5,263,543

Select Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Triton Container Finance VIII LLC Series 2020-1A, Class A 2.110%, 09/20/2045 (B)	\$ 10,663,901	\$ 9,134,562
Series 2021-1A, Class A 1.860%, 03/20/2046 (B)	5,623,239	4,716,984
Vantage Data Centers LLC Series 2019-1A, Class A2 3.188%, 07/15/2044 (B)	6,177,746	5,952,754
Series 2020-1A, Class A2 1.645%, 09/15/2045 (B)	6,834,000	6,124,657
Series 2020-2A, Class A2 1.992%, 09/15/2045 (B)	4,913,000	4,134,687
VCP RRL ABS I, Ltd. Series 2021-1A, Class A 2.152%, 10/20/2031 (B)	3,172,539	2,868,528
VR Funding LLC Series 2020-1A, Class A 2.790%, 11/15/2050 (B)	6,898,640	5,990,718
Wendy's Funding LLC Series 2021-1A, Class A2I 2.370%, 06/15/2051 (B)	6,562,080	5,426,420
Westgate Resorts LLC Series 2022-1A, Class A 1.788%, 08/20/2036 (B)	4,913,566	4,627,815
Willis Engine Structured Trust V Series 2020-A, Class A 3.228%, 03/15/2045 (B)	1,648,709	1,376,672
Wingstop Funding LLC Series 2020-1A, Class A2 2.841%, 12/05/2050 (B)	11,582,615	9,999,040
Zaxby's Funding LLC Series 2021-1A, Class A2 3.238%, 07/30/2051 (B)	4,275,840	3,560,659
TOTAL ASSET BACKED SECURITIES (Cost \$549,972,248)		\$ 488,620,430
SHORT-TERM INVESTMENTS – 1.6%		
Short-term funds – 1.6%		
John Hancock Collateral Trust, 5.1773% (G)(H)	9,240,834	92,360,290
TOTAL SHORT-TERM INVESTMENTS (Cost \$92,363,362)		\$ 92,360,290
Total Investments (Select Bond Trust) (Cost \$6,549,760,136) – 100.3%		\$ 6,013,584,221
Other assets and liabilities, net – (0.3%)		(15,629,488)
TOTAL NET ASSETS – 100.0%		\$ 5,997,954,733

Security Abbreviations and Legend

CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	Security purchased or sold on a when-issued or delayed delivery basis.
(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. Rule 144A securities amounted to \$1,109,800,646 or 18.5% of the fund's net assets as of 6-30-23.
(C)	All or a portion of this security is on loan as of 6-30-23.

John Hancock Variable Insurance Trust

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

Select Bond Trust (continued)

- (D) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
- (E) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (F) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.

Select Bond Trust (continued)

- (G) The rate shown is the annualized seven-day yield as of 6-30-23.
- (H) Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$3,139,490.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
10-Year U.S. Treasury Note Futures	532	Long	Sep 2023	\$60,286,281	\$59,725,312	\$(560,969)
						\$(560,969)

[^] 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.

Short Term Government Income Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 94.2%		
U.S. Government – 32.8%		
U.S. Treasury Notes		
0.625%, 07/31/2026	\$ 1,000,000	\$ 890,898
0.875%, 06/30/2026	1,800,000	1,621,828
1.125%, 10/31/2026	2,500,000	2,248,047
2.625%, 04/15/2025	2,000,000	1,918,438
3.500%, 01/31/2028	17,150,000	16,653,582
3.625%, 05/31/2028	6,045,000	5,912,766
3.750%, 04/15/2026	10,744,000	10,515,690
4.000%, 02/15/2026 to 02/29/2028	4,000,000	3,954,531
4.250%, 10/15/2025	2,500,000	2,472,070
4.500%, 11/30/2024	7,620,000	7,539,038
4.625%, 03/15/2026	1,675,000	1,676,832
		55,403,720
U.S. Government Agency – 61.4%		
Federal Farm Credit Bank		
0.500%, 12/23/2025 to 02/04/2026	10,000,000	8,978,672
0.680%, 01/13/2027	6,000,000	5,253,538
1.600%, 12/14/2026	2,000,000	1,815,098
3.370%, 12/08/2025	2,000,000	1,920,173
Federal Home Loan Bank		
0.625%, 11/27/2024	2,000,000	1,871,051
0.650%, 02/26/2026	6,000,000	5,384,813
0.700%, 01/28/2026	7,000,000	6,310,422
0.850%, 10/28/2024	4,000,000	3,765,462
0.900%, 02/26/2027	2,000,000	1,742,543
1.000%, 11/08/2024 to 03/23/2026	3,950,000	3,647,786
1.100%, 07/13/2026 to 08/20/2026	3,000,000	2,694,768
2.750%, 03/25/2027	2,600,000	2,435,479
3.250%, 06/09/2025	2,415,000	2,331,158
3.500%, 05/19/2025	4,000,000	3,879,335
4.130%, 08/28/2025	2,500,000	2,443,639
5.000%, 10/20/2025 to 09/14/2027	3,300,000	3,254,915
6.000%, 06/26/2028	1,500,000	1,500,007
Federal Home Loan Mortgage Corp.		
0.375%, 09/23/2025	3,060,000	2,776,542
0.640%, 11/24/2025	2,000,000	1,802,942
0.650%, 10/22/2025	2,000,000	1,817,535
0.700%, 12/23/2025	2,000,000	1,796,456

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
0.800%, 10/27/2026	\$ 2,000,000	\$ 1,772,028
1.500%, 02/12/2025	6,000,000	5,663,845
2.500%, 09/01/2034	1,482,924	1,360,166
3.000%, 07/01/2030 to 12/01/2032	1,696,998	1,616,247
3.500%, 04/01/2032	752,321	722,232
4.050%, 08/28/2025	2,000,000	1,955,985
4.083%, (12 month LIBOR + 1.618%), 05/01/2045 (A)	287,950	288,065
4.250%, 08/25/2027	2,000,000	1,941,152
5.500%, 02/28/2028	2,060,000	2,037,660
7.000%, 04/01/2031 to 04/01/2032	238	247
Federal National Mortgage Association		
0.375%, 08/25/2025	5,000,000	4,549,743
0.625%, 04/22/2025	4,000,000	3,699,263
0.650%, 12/17/2025	2,000,000	1,808,227
2.500%, 10/01/2027 to 09/01/2034	1,806,163	1,668,003
3.000%, 03/01/2028 to 09/01/2034	4,528,651	4,307,648
3.500%, 07/01/2031 to 06/01/2034	2,979,969	2,859,755
6.500%, 01/01/2039	225,210	235,560
7.000%, 12/01/2026 to 01/01/2029	579	599
8.000%, 10/01/2024 to 09/01/2030	627	654
		103,909,413
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS		
(Cost \$169,097,834)	\$	159,313,133
MUNICIPAL BONDS – 4.5%		
City of Houston (Texas)		
3.628%, 05/15/2024	1,000,000	983,375
City of Houston, GO (Texas)		
2.110%, 03/01/2025	1,000,000	947,559
City of New York, GO		
1.990%, 10/01/2026	1,000,000	910,367
3.250%, 03/01/2024	1,000,000	984,360
County of Orange (Florida)		
2.280%, 01/01/2026	1,000,000	932,891

John Hancock Variable Insurance Trust

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

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
Los Angeles Unified School District, GO (California) 1.540%, 09/15/2025	\$ 1,000,000	\$ 917,728
New York State Urban Development Corp. 3.080%, 03/15/2024	1,000,000	982,357
State of California, GO 2.375%, 10/01/2026	1,000,000	925,548
TOTAL MUNICIPAL BONDS (Cost \$8,159,308)		\$ 7,584,185
COLLATERALIZED MORTGAGE OBLIGATIONS – 0.6%		
U.S. Government Agency – 0.6%		
Federal Home Loan Mortgage Corp. Series K038, Class X1 IO 1.229%, 03/25/2024	7,330,456	33,630
Federal National Mortgage Association Series 427, Class C20 IO 2.000%, 02/25/2051	1,162,794	152,320
Government National Mortgage Association Series 2012-114, Class IO, 0.620%, 01/16/2053	872,459	13,367
Series 2017-109, Class IO, 0.230%, 04/16/2057	860,183	15,357
Series 2017-124, Class IO, 0.619%, 01/16/2059	826,275	24,671
Series 2017-140, Class IO, 0.486%, 02/16/2059	641,231	20,556
Series 2017-20, Class IO, 0.530%, 12/16/2058	1,569,607	38,387
Series 2017-41, Class IO, 0.593%, 07/16/2058	867,431	23,552
Series 2017-46, Class IO, 0.698%, 11/16/2057	1,323,056	48,720
Series 2017-61, Class IO, 0.745%, 05/16/2059	743,520	26,588
Series 2017-74, Class IO, 0.445%, 09/16/2058	1,281,735	28,263
Series 2017-89, Class IO, 0.494%, 07/16/2059	1,085,185	32,373
Series 2018-9, Class IO, 0.443%, 01/16/2060	1,353,791	39,953

Short Term Government Income Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National Mortgage Association (continued) Series 2020-118, Class IO, 0.881%, 06/16/2062	\$ 1,380,271	\$ 82,984
Series 2020-119, Class IO, 0.602%, 08/16/2062	783,432	38,006
Series 2020-120, Class IO, 0.761%, 05/16/2062	2,060,498	116,825
Series 2020-137, Class IO, 0.795%, 09/16/2062	1,403,418	77,198
Series 2020-170, Class IO, 0.833%, 11/16/2062	1,543,912	95,572
Series 2021-40, Class IO, 0.824%, 02/16/2063	485,374	30,146
Series 2022-53, Class IO, 0.712%, 06/16/2064	1,717,394	93,420
		1,031,888
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$3,181,616)		\$ 1,031,888
SHORT-TERM INVESTMENTS – 0.2%		
Short-term funds – 0.2%		
John Hancock Collateral Trust, 5.1773% (B)(C)	40,189	401,677
TOTAL SHORT-TERM INVESTMENTS (Cost \$401,692)		\$ 401,677
Total Investments (Short Term Government Income Trust) (Cost \$180,840,450) – 99.5%		\$ 168,330,883
Other assets and liabilities, net – 0.5%		786,708
TOTAL NET ASSETS – 100.0%		\$ 169,117,591
Security Abbreviations and Legend		
GO	General Obligation	
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.	
LIBOR	London Interbank Offered Rate	
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.	
(B)	The rate shown is the annualized seven-day yield as of 6-30-23.	
(C)	Investment is an affiliate of the fund, the advisor and/or subadvisor.	

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	33	Long	Sep 2023	\$3,606,596	\$3,534,094	\$(72,502)
						\$(72,502)

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

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

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 14.7%		
U.S. Government – 11.8%		
U.S. Treasury Bonds		
2.000%, 02/15/2050	\$ 4,548,000	\$ 3,117,690
2.375%, 02/15/2042	2,250,000	1,751,748
2.750%, 11/15/2042	995,000	818,426
3.000%, 02/15/2049 to 08/15/2052	8,210,000	6,953,117
3.625%, 02/15/2053	2,845,000	2,730,311
U.S. Treasury Notes		
0.500%, 02/28/2026	1,775,000	1,594,449
1.500%, 01/31/2027	4,680,000	4,239,239
1.875%, 02/15/2032	1,509,000	1,292,553
2.375%, 03/31/2029	2,195,000	2,003,966
2.625%, 05/31/2027	1,015,000	953,704
2.750%, 08/15/2032	4,205,000	3,854,967
2.875%, 05/15/2032	10,035,000	9,304,325
3.500%, 02/15/2033	5,560,000	5,415,788
		44,030,283
U.S. Government Agency – 2.9%		
Federal Home Loan Mortgage Corp.		
4.500%, 08/01/2052	862,788	829,400
5.000%, 08/01/2052 to 11/01/2052	2,818,834	2,782,898
5.500%, 11/01/2052	714,034	715,394
Federal National Mortgage Association		
4.500%, 09/01/2052	2,052,754	1,984,222
5.000%, 11/01/2052	769,817	759,584
5.500%, 10/01/2052 to 12/01/2052	3,862,880	3,863,021
		10,934,519
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$57,567,466)		\$ 54,964,802
FOREIGN GOVERNMENT OBLIGATIONS – 22.7%		
Australia – 1.6%		
Commonwealth of Australia		
0.500%, 09/21/2026	AUD 775,000	462,203
1.000%, 12/21/2030	905,000	488,109
2.250%, 11/20/2034	795,000	407,743
New South Wales Treasury Corp.		
1.250%, 03/20/2025	1,370,000	864,385
1.500%, 02/20/2032	2,750,000	1,432,738
3.000%, 05/20/2027	1,260,000	802,148
Queensland Treasury Corp.		
2.750%, 08/20/2027 (A)	910,000	572,151
Western Australian Treasury Corp.		
1.500%, 10/22/2030	1,600,000	877,143
		5,906,620
Austria – 0.2%		
Republic of Austria		
0.500%, 02/20/2029 (A)	EUR 755,000	719,203
Brazil – 0.9%		
Federative Republic of Brazil		
10.000%, 01/01/2025 to 01/01/2027	BRL 16,510,000	3,409,463
Canada – 2.8%		
CPPIB Capital, Inc.		
2.250%, 12/01/2031 (A)	CAD 635,000	420,310
Government of Canada		
0.500%, 12/01/2030	1,540,000	945,622
1.250%, 03/01/2025	3,065,000	2,191,044
1.500%, 09/01/2024	885,000	642,711
2.750%, 06/01/2033	1,820,000	1,314,590
Province of Alberta		
0.625%, 04/18/2025	EUR 455,000	469,566
Province of British Columbia		
4.199%, 07/06/2033 (B)	\$ 750,000	746,721

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Canada (continued)		
Province of Ontario		
1.350%, 12/02/2030	CAD 2,750,000	\$ 1,729,672
3.450%, 06/02/2045	1,060,000	722,160
Province of Quebec		
0.200%, 04/07/2025	EUR 285,000	291,854
1.500%, 12/15/2023	GBP 497,000	619,144
3.000%, 09/01/2023	CAD 650,000	489,093
		10,582,487
China – 0.2%		
People's Republic of China		
2.690%, 08/12/2026	CNY 4,220,000	586,964
Colombia – 0.2%		
Republic of Colombia		
3.250%, 04/22/2032	\$ 335,000	247,585
4.500%, 03/15/2029	235,000	205,582
5.625%, 02/26/2044	235,000	174,548
		627,715
Finland – 0.2%		
Republic of Finland		
4.960%, (3 month NIBOR + 1.250%), 01/10/2025 (C)	NOK 7,000,000	663,525
Germany – 1.1%		
Federal Republic of Germany		
3.250%, 07/04/2042	EUR 435,000	528,683
Federal Republic of Germany, Zero Coupon		
0.000%, 11/15/2027 to 05/15/2035	3,900,000	3,515,304
		4,043,987
Greece – 0.1%		
Republic of Greece		
2.000%, 04/22/2027 (A)	414,000	427,680
India – 0.9%		
Export-Import Bank of India		
3.875%, 02/01/2028 (A)	\$ 630,000	590,602
Republic of India		
5.220%, 06/15/2025	INR 80,250,000	945,731
6.100%, 07/12/2031	33,840,000	386,500
6.450%, 10/07/2029	33,000,000	388,408
7.060%, 04/10/2028	45,750,000	556,653
7.260%, 02/06/2033	29,600,000	364,486
7.270%, 04/08/2026	15,300,000	187,323
		3,419,703
Indonesia – 3.5%		
Perusahaan Penerbit SBSN Indonesia III		
4.150%, 03/29/2027 (A)	\$ 940,000	921,200
Republic of Indonesia		
1.100%, 03/12/2033	EUR 261,000	210,357
2.150%, 07/18/2024 (A)	740,000	789,302
3.050%, 03/12/2051	\$ 545,000	398,154
3.850%, 10/15/2030	405,000	377,123
5.125%, 04/15/2027	IDR 6,216,000,000	407,114
6.375%, 08/15/2028 to 04/15/2032	44,636,000,000	3,017,649
6.500%, 06/15/2025	41,210,000,000	2,781,181
6.625%, 05/15/2033	6,431,000,000	436,435
7.500%, 06/15/2035 to 05/15/2038	10,834,000,000	783,297
8.125%, 05/15/2024	3,514,000,000	238,969
8.375%, 09/15/2026	12,897,000,000	920,770
8.750%, 05/15/2031	17,423,000,000	1,335,145
9.000%, 03/15/2029	6,709,000,000	511,067
		13,127,763
Ireland – 0.1%		
Republic of Ireland		
1.100%, 05/15/2029	EUR 315,000	311,533

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Italy – 0.2%		
Republic of Italy		
1.250%, 02/17/2026	\$ 742,000	\$ 662,294
Japan – 0.8%		
Government of Japan		
0.005%, 03/20/2027	JPY 107,000,000	742,679
0.100%, 06/20/2025	319,300,000	2,220,625
		2,963,304
Malaysia – 1.3%		
Government of Malaysia		
3.733%, 06/15/2028	MYR 1,930,000	415,355
3.828%, 07/05/2034	1,965,000	413,436
3.844%, 04/15/2033	4,313,000	917,903
3.882%, 03/14/2025	2,835,000	611,806
3.899%, 11/16/2027	3,370,000	729,399
3.900%, 11/30/2026	1,805,000	391,001
3.906%, 07/15/2026	3,855,000	835,820
4.498%, 04/15/2030	3,215,000	720,436
		5,035,156
Mexico – 1.9%		
Government of Mexico		
5.000%, 03/06/2025	MXN 46,880,000	2,527,719
7.500%, 05/26/2033	46,370,000	2,494,016
7.750%, 05/29/2031	40,230,000	2,221,945
		7,243,680
New Zealand – 1.5%		
Government of New Zealand		
0.500%, 05/15/2024 to 05/15/2026	NZD 3,205,000	1,856,135
2.750%, 04/15/2025	690,000	405,499
3.500%, 04/14/2033	2,285,000	1,278,298
New Zealand Local Government		
Funding Agency		
1.500%, 04/15/2026	680,000	376,499
3.000%, 05/15/2035	1,135,000	551,430
3.500%, 04/14/2033	1,035,000	550,211
4.500%, 04/15/2027	1,190,000	712,109
		5,730,181
Norway – 1.1%		
Kingdom of Norway		
1.250%, 09/17/2031 (A)	NOK 11,450,000	884,010
1.750%, 03/13/2025 to 02/17/2027 (A)	11,725,000	1,046,862
2.125%, 05/18/2032 (A)	10,990,000	903,495
Kommunalbanken AS		
4.250%, 07/16/2025	AUD 1,070,000	705,299
5.250%, 07/15/2024	764,000	511,028
		4,050,694
Philippines – 1.4%		
Republic of the Philippines		
0.875%, 05/17/2027	EUR 1,465,000	1,414,385
2.625%, 08/12/2025	PHP 88,455,000	1,490,787
3.625%, 09/09/2025	32,845,000	560,895
6.125%, 08/22/2028	50,410,000	910,841
6.250%, 01/14/2036	43,000,000	752,250
		5,129,158
Qatar – 0.2%		
State of Qatar		
4.817%, 03/14/2049 (A)	\$ 710,000	681,543
Singapore – 0.3%		
Republic of Singapore		
1.250%, 11/01/2026	SGD 200,000	138,374
3.375%, 09/01/2033	1,250,000	948,314
		1,086,688

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
South Korea – 1.7%		
Republic of Korea		
1.375%, 12/10/2029	KRW 557,700,000	\$ 366,886
2.125%, 06/10/2027	1,303,700,000	934,177
2.375%, 03/10/2027	3,972,830,000	2,882,558
3.125%, 09/10/2024 to 09/10/2027	2,122,530,000	1,591,919
4.250%, 12/10/2032	893,100,000	708,016
		6,483,556
United Arab Emirates – 0.1%		
Government of Abu Dhabi		
3.875%, 04/16/2050 (A)	\$ 475,000	398,848
United Kingdom – 0.4%		
Government of United Kingdom		
0.125%, 01/31/2024	GBP 260,000	320,674
0.250%, 01/31/2025	335,000	392,707
4.250%, 12/07/2027	750,000	929,625
		1,643,006
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$90,558,753)		
		\$ 84,934,751
CORPORATE BONDS – 45.6%		
Communication services – 4.4%		
AT&T, Inc.		
0.900%, 03/25/2024	\$ 315,000	304,242
CCO Holdings LLC		
4.250%, 02/01/2031 (A)	1,645,000	1,330,755
4.500%, 06/01/2033 (A)	510,000	400,495
Cellnex Telecom SA		
1.875%, 06/26/2029	EUR 500,000	460,463
Charter Communications Operating LLC		
2.800%, 04/01/2031	\$ 230,000	185,072
5.125%, 07/01/2049	1,395,000	1,097,479
5.750%, 04/01/2048	790,000	676,209
Globo Comunicacao e Participacoes SA		
5.500%, 01/14/2032 (A)	550,000	428,725
IHS Holding, Ltd.		
6.250%, 11/29/2028 (A)	370,000	301,750
LCPR Senior Secured Financing DAC		
5.125%, 07/15/2029 (A)	785,000	659,625
Match Group Holdings II LLC		
4.125%, 08/01/2030 (A)	705,000	603,833
News Corp.		
3.875%, 05/15/2029 (A)	1,685,000	1,479,103
Sirius XM Radio, Inc.		
4.125%, 07/01/2030 (A)	1,160,000	947,203
Sprint LLC		
7.625%, 02/15/2025	370,000	377,942
T-Mobile USA, Inc.		
2.625%, 02/15/2029	435,000	377,810
2.875%, 02/15/2031	400,000	338,104
3.375%, 04/15/2029	470,000	424,433
3.500%, 04/15/2031	785,000	692,683
4.750%, 02/01/2028	165,000	160,293
Virgin Media Finance PLC		
5.000%, 07/15/2030 (A)	720,000	573,188
Virgin Media Secured Finance PLC		
4.500%, 08/15/2030 (A)	670,000	561,675
5.500%, 05/15/2029 (A)	1,161,000	1,050,186
Vmed O2 UK Financing I PLC		
3.250%, 01/31/2031 (A)	EUR 735,000	655,947
4.250%, 01/31/2031 (A)	\$ 1,225,000	990,484
WMG Acquisition Corp.		
3.000%, 02/15/2031 (A)	1,910,000	1,545,152
		16,622,851

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
CORPORATE BONDS (continued)			
Consumer discretionary – 5.9%			
BMW Finance NV			
1.000%, 11/14/2024	EUR	410,000	\$ 429,957
Carnival Corp.			
5.750%, 03/01/2027 (A)	\$	1,165,000	1,072,487
Duke University			
3.299%, 10/01/2046		781,000	609,701
Ford Motor Company			
3.250%, 02/12/2032		580,000	456,277
Ford Motor Credit Company LLC			
2.748%, 06/14/2024	GBP	316,000	383,060
2.900%, 02/16/2028	\$	360,000	308,303
3.625%, 06/17/2031		1,220,000	999,942
4.000%, 11/13/2030		255,000	217,919
4.125%, 08/17/2027		205,000	187,195
4.542%, 08/01/2026		445,000	418,298
4.950%, 05/28/2027		1,115,000	1,051,765
Hilton Domestic Operating Company, Inc.			
3.625%, 02/15/2032 (A)		485,000	404,362
4.875%, 01/15/2030		710,000	662,018
Hyatt Hotels Corp.			
5.750%, 04/23/2030		1,104,000	1,104,547
Massachusetts Institute of Technology			
2.989%, 07/01/2050		465,000	347,709
MercadoLibre, Inc.			
2.375%, 01/14/2026		565,000	511,687
3.125%, 01/14/2031		450,000	358,693
MGM Resorts International			
4.750%, 10/15/2028		105,000	95,324
New Red Finance, Inc.			
3.500%, 02/15/2029 (A)		1,618,000	1,418,947
3.875%, 01/15/2028 (A)		970,000	886,749
4.000%, 10/15/2030 (A)		2,124,000	1,817,788
Premier Entertainment Sub LLC			
5.625%, 09/01/2029 (A)		210,000	159,065
5.875%, 09/01/2031 (A)		503,000	371,088
President and Fellows of Harvard College			
2.517%, 10/15/2050		1,020,000	681,998
Royal Caribbean Cruises, Ltd.			
5.500%, 04/01/2028 (A)		1,235,000	1,151,687
11.625%, 08/15/2027 (A)		264,000	287,084
Travel + Leisure Company			
4.500%, 12/01/2029 (A)		895,000	761,489
6.625%, 07/31/2026 (A)		372,000	369,172
Wyndham Hotels & Resorts, Inc.			
4.375%, 08/15/2028 (A)		660,000	602,712
Yum! Brands, Inc.			
3.625%, 03/15/2031		1,795,000	1,550,745
4.625%, 01/31/2032		875,000	790,421
4.750%, 01/15/2030 (A)		1,773,000	1,660,255
			22,128,444
Consumer staples – 3.2%			
Becle SAB de CV			
2.500%, 10/14/2031 (A)		795,000	641,446
Darling Ingredients, Inc.			
6.000%, 06/15/2030 (A)		1,295,000	1,264,767
JBS USA LUX SA			
3.625%, 01/15/2032 (A)		1,070,000	868,241
5.750%, 04/01/2033 (A)		735,000	690,865
Kraft Heinz Foods Company			
4.250%, 03/01/2031		1,525,000	1,450,681
4.375%, 06/01/2046		1,445,000	1,228,040
6.875%, 01/26/2039		1,220,000	1,374,922
7.125%, 08/01/2039 (A)		490,000	545,629

Strategic Income Opportunities Trust (continued)

		Shares or Principal Amount	Value
CORPORATE BONDS (continued)			
Consumer staples (continued)			
MARB BondCo PLC			
3.950%, 01/29/2031 (A)	\$	1,205,000	\$ 862,610
Natura & Company Luxembourg Holdings Sarl			
6.000%, 04/19/2029 (A)		390,000	361,461
Natura Cosmeticos SA			
4.125%, 05/03/2028 (A)		830,000	718,010
NBM US Holdings, Inc.			
7.000%, 05/14/2026 (A)		205,000	198,838
Post Holdings, Inc.			
4.500%, 09/15/2031 (A)		515,000	439,827
5.500%, 12/15/2029 (A)		285,000	262,989
5.625%, 01/15/2028 (A)		1,255,000	1,205,867
			12,114,193
Energy – 6.6%			
Aker BP ASA			
3.750%, 01/15/2030 (A)		750,000	666,586
Cenovus Energy, Inc.			
3.500%, 02/07/2028	CAD	510,000	360,755
5.250%, 06/15/2037	\$	194,000	178,559
5.400%, 06/15/2047		777,000	703,378
6.750%, 11/15/2039		1,806,000	1,893,249
Cheniere Energy Partners LP			
4.000%, 03/01/2031		1,642,000	1,445,764
Civitas Resources, Inc.			
8.750%, 07/01/2031 (A)		1,000,000	1,013,800
Continental Resources, Inc.			
2.875%, 04/01/2032 (A)		1,596,000	1,226,214
5.750%, 01/15/2031 (A)		1,490,000	1,416,480
Ecopetrol SA			
4.625%, 11/02/2031		435,000	335,789
5.375%, 06/26/2026		230,000	220,112
5.875%, 05/28/2045		235,000	161,007
6.875%, 04/29/2030		470,000	428,763
Enbridge, Inc.			
3.125%, 11/15/2029		990,000	874,126
EQT Corp.			
3.625%, 05/15/2031 (A)		1,645,000	1,414,852
3.900%, 10/01/2027		325,000	300,469
Kinder Morgan, Inc.			
5.300%, 12/01/2034		230,000	221,449
MC Brazil Downstream Trading SARL			
7.250%, 06/30/2031 (A)		922,770	623,255
Medco Oak Tree Pte, Ltd.			
7.375%, 05/14/2026 (A)		1,180,000	1,159,990
Occidental Petroleum Corp.			
3.200%, 08/15/2026		154,000	139,783
3.400%, 04/15/2026		638,000	590,350
6.125%, 01/01/2031		955,000	969,707
6.625%, 09/01/2030		1,160,000	1,205,356
7.500%, 05/01/2031		565,000	616,890
Ovintiv, Inc.			
6.500%, 08/15/2034 to 02/01/2038		1,375,000	1,366,211
Pertamina Persero PT			
3.100%, 01/21/2030 (A)		255,000	224,081
3.650%, 07/30/2029 (A)		295,000	271,898
Petrorio Luxembourg Trading Sarl			
6.125%, 06/09/2026 (A)		505,000	485,105
QatarEnergy			
2.250%, 07/12/2031 (A)		935,000	783,504
3.300%, 07/12/2051 (A)		295,000	216,577
Southwestern Energy Company			
5.700%, 01/23/2025		17,000	16,910
The Williams Companies, Inc.			
3.500%, 11/15/2030		80,000	71,516

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
TransCanada PipeLines, Ltd. 4.100%, 04/15/2030	\$ 1,460,000	\$ 1,355,732
Transcontinental Gas Pipe Line Company LLC 3.250%, 05/15/2030	80,000	71,101
Var Energi ASA 7.500%, 01/15/2028 (A)	680,000	698,857
Western Midstream Operating LP 4.300%, 02/01/2030	975,000	875,402
		24,603,577
Financials – 8.0%		
American International Group, Inc. 8.175%, (8.175% to 5-15-38, then 3 month LIBOR + 4.195%), 05/15/2068	1,700,000	1,891,953
Asian Development Bank 3.000%, 10/14/2026	AUD 565,000	358,872
Bank of Montreal 7.325%, (7.325% to 11-26-27, then 5 Year Canada Government Bond Yield + 4.098%), 11/26/2082	CAD 1,230,000	910,446
Berkshire Hathaway Finance Corp. 2.375%, 06/19/2039	GBP 610,000	523,812
Berkshire Hathaway, Inc., Zero Coupon 0.000%, 03/12/2025	EUR 975,000	995,504
Chubb INA Holdings, Inc. 0.300%, 12/15/2024	875,000	900,351
European Financial Stability Facility, Zero Coupon 0.000%, 10/15/2025	575,000	580,539
European Investment Bank 0.250%, 01/20/2032	1,085,000	938,748
Fidelity National Information Services, Inc. 1.000%, 12/03/2028	425,000	395,164
1.500%, 05/21/2027	820,000	811,630
Fiserv, Inc. 1.125%, 07/01/2027	290,000	284,062
Inter-American Development Bank 2.700%, 01/29/2026	AUD 582,000	369,949
2.750%, 10/30/2025	500,000	319,474
International Bank for Reconstruction & Development 1.200%, 08/08/2034	EUR 1,940,000	1,741,704
1.250%, 03/16/2026	NOK 2,920,000	250,056
1.800%, 01/19/2027	CAD 625,000	433,388
1.900%, 01/16/2025	705,000	507,456
5.000%, 06/22/2026	NZD 1,905,000	1,159,926
International Development Association 1.750%, 02/17/2027	NOK 2,750,000	233,238
International Finance Corp. 0.375%, 09/10/2025	NZD 1,240,000	681,279
2.550%, 09/18/2023	CNY 3,110,000	428,050
3.600%, 02/24/2026	AUD 1,395,000	906,807
KfW 2.875%, 02/17/2027	NOK 2,280,000	201,485
MSCI, Inc. 3.250%, 08/15/2033 (A)	\$ 390,000	314,090
3.625%, 09/01/2030 to 11/01/2031 (A)	2,874,000	2,466,792
3.875%, 02/15/2031 (A)	765,000	662,892
Nordea Eiendoms-kreditt AS 4.500%, (3 month NIBOR + 0.340%), 06/19/2024 (C)	NOK 8,000,000	746,322
Nordic Investment Bank 1.875%, 04/10/2024	3,920,000	357,356
3.000%, 08/23/2027	5,180,000	457,105

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Nordic Investment Bank (continued) 4.000%, 11/04/2026	NOK 2,000,000	\$ 184,277
Popular, Inc. 6.125%, 09/14/2023	\$ 715,000	712,959
7.250%, 03/13/2028	750,000	749,138
QNB Finance, Ltd. 3.500%, 03/28/2024	330,000	324,060
Royal Bank of Canada 4.200%, (4.200% to 2-24-27, then 5 Year Canada Government Bond Yield + 2.710%), 02/24/2027 (D)	CAD 615,000	346,638
The Asian Infrastructure Investment Bank 0.200%, 12/15/2025	GBP 630,000	695,057
The Bank of Nova Scotia 8.625%, (8.625% to 10-27-27, then 5 Year CMT + 4.389%), 10/27/2082	\$ 885,000	922,097
The Goldman Sachs Group, Inc. 0.250%, 01/26/2028	EUR 80,000	72,960
1.375%, 05/15/2024	983,000	1,047,657
2.000%, 11/01/2028	328,000	322,966
The Toronto-Dominion Bank 8.125%, (8.125% to 10-31-27, then 5 Year CMT + 4.075%), 10/31/2082	\$ 960,000	975,245
U.S. Bancorp 0.850%, 06/07/2024	EUR 2,040,000	2,132,294
3.700%, (3.700% to 1-15-27, then 5 Year CMT + 2.541%), 01/15/2027 (D)	\$ 637,000	472,590
		29,786,388
Health care – 3.9%		
Allergan Funding SCS 1.250%, 06/01/2024	EUR 520,000	547,678
2.625%, 11/15/2028	300,000	298,724
Becton Dickinson Euro Finance Sarl 1.208%, 06/04/2026	745,000	752,469
Centene Corp. 2.500%, 03/01/2031	\$ 905,000	721,710
3.000%, 10/15/2030	1,795,000	1,495,768
3.375%, 02/15/2030	1,765,000	1,516,912
4.625%, 12/15/2029	260,000	239,314
DH Europe Finance II Sarl 0.450%, 03/18/2028	EUR 1,630,000	1,532,218
HCA, Inc. 3.500%, 09/01/2030	\$ 3,693,000	3,237,098
4.125%, 06/15/2029	1,175,000	1,087,332
5.500%, 06/01/2033	715,000	713,786
Rede D'or Finance Sarl 4.500%, 01/22/2030 (A)	367,000	312,868
4.950%, 01/17/2028 (A)	310,000	283,389
Thermo Fisher Scientific, Inc. 0.500%, 03/01/2028	EUR 650,000	613,106
0.750%, 09/12/2024	282,000	295,958
1.400%, 01/23/2026	468,000	479,045
UnitedHealth Group, Inc. 0.550%, 05/15/2024	\$ 395,000	378,534
		14,505,909
Industrials – 4.2%		
AECOM 5.125%, 03/15/2027	1,235,000	1,194,949
Airbus SE 1.625%, 06/09/2030	EUR 255,000	245,336
American Airlines, Inc. 5.500%, 04/20/2026 (A)	\$ 970,000	960,969
5.750%, 04/20/2029 (A)	790,000	767,073

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
DAE Funding LLC		
3.375%, 03/20/2028 (A)	\$ 640,000	\$ 575,054
Delta Air Lines 2020-1 Class A Pass Through Trust		
2.500%, 12/10/2029	393,619	339,266
Delta Air Lines, Inc.		
2.900%, 10/28/2024	540,000	518,384
4.750%, 10/20/2028 (A)	3,217,000	3,122,706
7.375%, 01/15/2026	165,000	172,010
Indian Railway Finance Corp., Ltd.		
3.249%, 02/13/2030 (A)	645,000	562,666
Johnson Controls International PLC		
0.375%, 09/15/2027	EUR 240,000	225,485
Simpar Finance Sarl		
10.750%, 02/12/2028 (A)	BRL 1,500,000	243,568
Singapore Airlines, Ltd.		
3.375%, 01/19/2029	\$ 420,000	386,677
The Boeing Company		
5.150%, 05/01/2030	2,425,000	2,401,599
5.805%, 05/01/2050	850,000	846,898
Uber Technologies, Inc.		
8.000%, 11/01/2026 (A)	500,000	509,556
United Rentals North America, Inc.		
3.875%, 02/15/2031	1,120,000	969,695
4.000%, 07/15/2030	660,000	584,520
4.875%, 01/15/2028	530,000	504,343
6.000%, 12/15/2029 (A)	670,000	668,352
		15,799,106
Information technology – 0.3%		
CDW LLC		
4.250%, 04/01/2028	165,000	151,327
Dell International LLC		
8.350%, 07/15/2046	541,000	663,434
Gartner, Inc.		
3.750%, 10/01/2030 (A)	475,000	413,686
		1,228,447
Materials – 4.0%		
Ardagh Metal Packaging Finance USA LLC		
3.250%, 09/01/2028 (A)	960,000	824,609
Ball Corp.		
2.875%, 08/15/2030	2,440,000	2,025,511
6.875%, 03/15/2028	1,120,000	1,142,247
Berry Global, Inc.		
5.625%, 07/15/2027 (A)	590,000	577,463
Braskem Idesa SAPI		
6.990%, 02/20/2032 (A)	480,000	310,938
Braskem Netherlands Finance BV		
4.500%, 01/31/2030 (A)	570,000	489,668
5.875%, 01/31/2050 (A)	585,000	472,717
Cemex SAB de CV		
3.875%, 07/11/2031 (A)	1,355,000	1,140,780
Cleveland-Cliffs, Inc.		
4.625%, 03/01/2029 (A)(E)	1,675,000	1,508,574
4.875%, 03/01/2031 (A)	790,000	694,300
CSN Islands XI Corp.		
6.750%, 01/28/2028 (A)	835,000	774,823
Ecolab, Inc.		
1.000%, 01/15/2024	EUR 330,000	354,156
Freeport-McMoRan, Inc.		
4.125%, 03/01/2028	\$ 140,000	131,173
4.625%, 08/01/2030	740,000	697,265
5.400%, 11/14/2034	165,000	159,337
5.450%, 03/15/2043	1,905,000	1,776,305

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
FS Luxembourg Sarl		
10.000%, 12/15/2025 (A)	\$ 435,000	\$ 445,785
Indonesia Asahan Aluminium Persero PT		
4.750%, 05/15/2025 (A)	1,090,000	1,061,137
Sealed Air Corp.		
5.000%, 04/15/2029 (A)	425,000	395,435
		14,982,223
Real estate – 2.2%		
American Tower Corp.		
0.500%, 01/15/2028	EUR 270,000	247,351
1.950%, 05/22/2026	305,000	309,421
American Tower Trust I		
5.490%, 03/15/2028 (A)	\$ 730,000	730,591
Boston Properties LP		
2.750%, 10/01/2026	134,000	118,308
Crown Castle, Inc.		
2.250%, 01/15/2031	215,000	175,234
Host Hotels & Resorts LP		
3.375%, 12/15/2029	240,000	204,955
3.500%, 09/15/2030	240,000	203,306
SBA Communications Corp.		
3.125%, 02/01/2029	955,000	809,511
3.875%, 02/15/2027	2,400,000	2,210,895
SBA Tower Trust		
6.599%, 01/15/2028 (A)	950,000	965,339
VICI Properties LP		
4.125%, 08/15/2030 (A)	895,000	787,985
4.625%, 12/01/2029 (A)	785,000	712,678
5.125%, 05/15/2032	925,000	865,471
		8,341,045
Utilities – 2.9%		
Brazos Securitization LLC		
5.014%, 03/01/2034 (A)	725,000	715,631
5.413%, 09/01/2052 (A)	655,000	669,628
DPL, Inc.		
4.125%, 07/01/2025	1,330,000	1,266,825
E.ON SE		
0.375%, 09/29/2027	EUR 315,000	301,259
EDP Finance BV		
0.375%, 09/16/2026	130,000	127,075
Emera, Inc.		
6.750%, (6.750% to 6-15-26, then 3 month LIBOR + 5.440% to 6-15-46, then 3 month LIBOR + 6.190%), 06/15/2076	\$ 1,220,000	1,179,716
Engie SA		
0.375%, 06/21/2027	EUR 300,000	287,564
FirstEnergy Corp.		
4.150%, 07/15/2027	\$ 890,000	845,350
7.375%, 11/15/2031	1,355,000	1,545,432
Greenko Dutch BV		
3.850%, 03/29/2026 (A)	578,100	517,856
Greenko Solar Mauritius, Ltd.		
5.550%, 01/29/2025 (A)	430,000	413,445
Greenko Wind Projects Mauritius, Ltd.		
5.500%, 04/06/2025 (A)	775,000	740,808
Israel Electric Corp., Ltd.		
3.750%, 02/22/2032 (A)	490,000	417,970
Perusahaan Perseroan Persero PT		
Perusahaan Listrik Negara		
4.125%, 05/15/2027 (A)	1,440,000	1,371,495
The AES Corp.		
3.950%, 07/15/2030 (A)	160,000	143,443

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
United Electric Securitization LLC 5.109%, 06/01/2033 (A)	\$ 170,000	\$ 167,967
		10,711,464
TOTAL CORPORATE BONDS (Cost \$190,497,322)		\$ 170,823,647
CONVERTIBLE BONDS – 2.9%		
Communication services – 0.6%		
Liberty Broadband Corp. 3.125%, 03/31/2053 (A)	1,960,000	1,911,980
Liberty Media Corp. 0.500%, 12/01/2050 (A)	500,000	554,050
		2,466,030
Consumer discretionary – 0.8%		
Burlington Stores, Inc. 2.250%, 04/15/2025 (E)	705,000	729,234
Carnival Corp. 5.750%, 12/01/2027 (A)	860,000	1,430,180
Marriott Vacations Worldwide Corp. 3.250%, 12/15/2027 (A)	755,000	714,608
		2,874,022
Industrials – 1.2%		
Air Canada 4.000%, 07/01/2025	500,000	688,139
American Airlines Group, Inc. 6.500%, 07/01/2025	1,395,000	1,786,995
Southwest Airlines Company 1.250%, 05/01/2025	915,000	1,049,048
Uber Technologies, Inc. 3.756%, 12/15/2025 (F)	945,000	861,865
		4,386,047
Utilities – 0.3%		
American Water Capital Corp. 3.625%, 06/15/2026 (A)	1,005,000	1,005,525
TOTAL CONVERTIBLE BONDS (Cost \$10,666,392)		\$ 10,731,624
MUNICIPAL BONDS – 1.9%		
Board of Regents of the University of Texas System 2.439%, 08/15/2049	1,210,000	800,484
City of Norfolk (Virginia) 1.804%, 10/01/2031	410,000	335,022
City of San Antonio (Texas) 5.718%, 02/01/2041	240,000	257,230
Commonwealth of Massachusetts 2.900%, 09/01/2049	595,000	425,188
Louisiana Local Government Environmental Facilities & Community Development Authority 5.198%, 12/01/2039	730,000	744,567
Massachusetts Educational Financing Authority 5.950%, 07/01/2044	870,000	858,948
Massachusetts School Building Authority 2.950%, 05/15/2043	370,000	277,092
Massachusetts Water Resources Authority 3.124%, 08/01/2039	775,000	632,015
South Carolina Public Service Authority 5.740%, 01/01/2030	245,000	250,662
State Board of Administration Finance Corp. (Florida) 2.154%, 07/01/2030	333,000	277,558

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
University of Virginia 2.256%, 09/01/2050	\$ 1,930,000	\$ 1,198,458
University of Washington 2.618%, 04/01/2042	805,000	568,873
Utah Transit Authority 3.443%, 12/15/2042	655,000	527,346
TOTAL MUNICIPAL BONDS (Cost \$7,180,216)		\$ 7,153,443
TERM LOANS (G) – 0.7%		
Consumer discretionary – 0.0%		
APX Group, Inc., 2021 Term Loan B (Prime rate + 2.250% and 1 month SOFR + 3.250%) 8.461%, 07/10/2028	39,596	39,540
Industrials – 0.7%		
AAdvantage Loyalty IP, Ltd., 2021 Term Loan (3 month LIBOR + 4.750%) 10.000%, 04/20/2028	605,000	617,100
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 10.764%, 06/21/2027	668,000	693,190
United Airlines, Inc., 2021 Term Loan B (3 month LIBOR + 3.750%) 9.292%, 04/21/2028	1,226,906	1,224,526
		2,534,816
TOTAL TERM LOANS (Cost \$2,549,975)		\$ 2,574,356
COLLATERALIZED MORTGAGE OBLIGATIONS – 5.8%		
Commercial and residential – 3.5%		
Arroyo Mortgage Trust Series 2019-1, Class A1 3.805%, 01/25/2049 (A)(H)	262,039	243,740
BOCA Commercial Mortgage Trust Series 2022-BOCA, Class B (1 month CME Term SOFR + 2.319%) 7.466%, 05/15/2039 (A)(C)	300,000	296,169
BX Commercial Mortgage Trust Series 2019-XL, Class A (1 month CME Term SOFR + 1.034%), 6.181%, 10/15/2036 (A)(C)	1,713,676	1,703,017
Series 2021-CIP, Class A (1 month LIBOR + 0.921%), 6.114%, 12/15/2038 (A)(C)	470,000	458,209
Series 2021-VOLT, Class A (1 month LIBOR + 0.700%), 5.893%, 09/15/2036 (A)(C)	535,000	517,676
BX Trust Series 2022-CLS, Class A, 5.760%, 10/13/2027 (A)	595,000	572,852
Series 2022-GPA, Class A (1 month CME Term SOFR + 2.165%), 7.312%, 10/15/2039 (A)(C)	795,000	793,754
Series 2022-GPA, Class B (1 month CME Term SOFR + 2.664%), 7.811%, 10/15/2039 (A)(C)	480,000	477,593
Series 2022-GPA, Class D (1 month CME Term SOFR + 4.061%), 9.208%, 10/15/2039 (A)(C)	330,000	326,691
CAMB Commercial Mortgage Trust Series 2019-LIFE, Class A (1 month LIBOR + 1.070%) 6.263%, 12/15/2037 (A)(C)	364,300	361,036
Citigroup Commercial Mortgage Trust Series 2023-SMRT, Class A 6.015%, 06/10/2028 (A)(H)	470,000	469,104

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
COLT Mortgage Loan Trust		
Series 2022-5, Class A1		
4.550%, 04/25/2067 (A)(H)	\$ 338,056	\$ 324,696
Credit Suisse Mortgage Capital Certificates		
Series 2019-ICE4, Class A (1 month LIBOR + 0.980%),		
6.173%, 05/15/2036 (A)(C)	1,032,431	1,027,278
Series 2019-NQM1, Class A1 (2.656% to 11-1-23, then 3.656% thereafter),		
2.656%, 10/25/2059 (A)	75,384	71,721
GCAT Trust		
Series 2022-NQM4, Class A1 (5.269% to 8-1-26, then 6.269% thereafter)		
5.269%, 08/25/2067 (A)	388,001	378,515
HarborView Mortgage Loan Trust		
Series 2007-3, Class ES IO,		
0.350%, 05/19/2047 (A)	3,233,299	33,726
Series 2007-4, Class ES IO,		
0.350%, 07/19/2047	3,332,373	43,843
Series 2007-6, Class ES IO,		
0.343%, 08/19/2037 (A)	3,420,867	41,448
InTown Mortgage Trust		
Series 2022-STAY, Class B (1 month CME Term SOFR + 3.286%)		
8.433%, 08/15/2039 (A)(C)	640,000	639,600
Life Mortgage Trust		
Series 2022-BMR2, Class A1 (1 month CME Term SOFR + 1.295%),		
6.442%, 05/15/2039 (A)(C)	1,155,000	1,130,100
Series 2022-BMR2, Class B (1 month CME Term SOFR + 1.794%),		
6.941%, 05/15/2039 (A)(C)	1,090,000	1,064,717
Series 2022-BMR2, Class D (1 month CME Term SOFR + 2.542%),		
7.689%, 05/15/2039 (A)(C)	880,000	837,276
Morgan Stanley Mortgage Loan Trust		
Series 2004-9, Class 1A		
5.331%, 11/25/2034 (H)	68,989	68,419
SCOTT Trust		
Series 2023-SFS, Class AS		
6.204%, 03/15/2040 (A)	300,000	292,579
Verus Securitization Trust		
Series 2022-4, Class A2,		
4.740%, 04/25/2067 (A)(H)	461,939	433,084
Series 2022-8, Class A3 (6.127% to 10-1-26, then 7.127% thereafter),		
6.127%, 09/25/2067 (A)	289,216	284,127
Series 2022-INV1, Class A1 (5.041% to 8-1-26, then 6.041% thereafter),		
5.041%, 08/25/2067 (A)	515,371	500,213
		13,391,183
U.S. Government Agency – 2.3%		
Federal Home Loan Mortgage Corp.		
Series 2022-DNA3, Class M1A (1 month SOFR + 2.000%),		
7.067%, 04/25/2042 (A)(C)	602,056	603,748
Series 2022-DNA4, Class M1A (1 month SOFR + 2.200%),		
7.267%, 05/25/2042 (A)(C)	711,575	716,115

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 2022-DNA4, Class M1B (1 month SOFR + 3.350%),		
8.417%, 05/25/2042 (A)(C)	\$ 1,165,000	\$ 1,178,106
Series 2022-DNA6, Class M1A (1 month SOFR + 2.150%),		
7.217%, 09/25/2042 (A)(C)	717,472	721,806
Series 2022-DNA7, Class M1A (1 month SOFR + 2.500%),		
7.567%, 03/25/2052 (A)(C)	552,306	556,968
Series 2022-HQA1, Class M1B (1 month SOFR + 3.500%),		
8.567%, 03/25/2042 (A)(C)	365,000	371,830
Series 2022-HQA3, Class M1B (1 month SOFR + 3.550%),		
8.617%, 08/25/2042 (A)(C)	540,000	547,425
Federal National Mortgage Association		
Series 2022-R01, Class 1M1 (1 month SOFR + 1.000%),		
6.067%, 12/25/2041 (A)(C)	221,222	218,801
Series 2022-R03, Class 1M1 (1 month SOFR + 2.100%),		
7.167%, 03/25/2042 (A)(C)	90,842	91,190
Series 2022-R04, Class 1M1 (1 month SOFR + 2.000%),		
7.067%, 03/25/2042 (A)(C)	185,156	185,576
Series 2022-R05, Class 2M2 (1 month SOFR + 3.000%),		
8.067%, 04/25/2042 (A)(C)	1,240,000	1,235,356
Series 2022-R06, Class 1M1 (1 month SOFR + 2.750%),		
7.817%, 05/25/2042 (A)(C)	346,779	353,529
Series 2022-R09, Class 2M1 (1 month SOFR + 2.500%),		
7.567%, 09/25/2042 (A)(C)	666,411	669,536
Series 2023-R01, Class 1M1 (1 month SOFR + 2.400%),		
7.467%, 12/25/2042 (A)(C)	491,120	494,029
Series 2023-R03, Class 2M2 (1 month SOFR + 3.900%),		
8.967%, 04/25/2043 (A)(C)	320,000	326,600
Federal National Mortgage Association		
Series 2021-R02, Class 2B2 (1 month SOFR + 6.200%)		
11.267%, 11/25/2041 (A)(C)	285,000	272,023
		8,542,638
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		
(Cost \$21,972,915)		\$ 21,933,821
ASSET BACKED SECURITIES – 1.5%		
DataBank Issuer		
Series 2023-1A, Class A2		
5.116%, 02/25/2053 (A)	510,000	469,435
DB Master Finance LLC		
Series 2019-1A, Class A2II		
4.021%, 05/20/2049 (A)	466,813	435,169
Domino's Pizza Master Issuer LLC		
Series 2015-1A, Class A2II		
4.474%, 10/25/2045 (A)	846,175	806,744
FirstKey Homes Trust		
Series 2020-SFR2, Class A		
1.266%, 10/19/2037 (A)	527,057	473,153

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Home Partners of America Trust Series 2019-1, Class B 3.157%, 09/17/2039 (A)	\$ 336,740	\$ 301,275
MetroNet Infrastructure Issuer LLC Series 2022-1A, Class A2 6.350%, 10/20/2052 (A)	173,000	166,791
MVW Owner Trust Series 2018-1A, Class A 3.450%, 01/21/2036 (A)	108,747	105,774
OCCU Auto Receivables Trust Series 2022-1A, Class A3 5.500%, 10/15/2027 (A)	605,000	598,221
Taco Bell Funding LLC Series 2016-1A, Class A23 4.970%, 05/25/2046 (A)	1,466,400	1,408,875
T-Mobile US Trust Series 2022-1A, Class A 4.910%, 05/22/2028 (A)	720,000	711,424
TOTAL ASSET BACKED SECURITIES (Cost \$5,682,543)		\$ 5,476,861
PREFERRED SECURITIES – 1.1%		
Financials – 0.2%		
Wells Fargo & Company, 5.850% (5.850% to 9-15-23, then 3 month LIBOR + 3.090%)	27,605	690,401
Utilities – 0.9%		
NextEra Energy, Inc., 6.926%	51,700	2,341,493
The AES Corp., 6.875%	13,600	1,110,032
		3,451,525
TOTAL PREFERRED SECURITIES (Cost \$4,542,517)		\$ 4,141,926
PURCHASED OPTIONS – 0.0%		
Puts – 0.0%		
Over the Counter Option on the USD vs. JPY (Expiration Date: 7-19-23; Strike Price: \$127.00; Counterparty: Morgan Stanley & Company International PLC) (I)(J)	325,000	0
TOTAL PURCHASED OPTIONS (Cost \$2,350)		\$ 0
SHORT-TERM INVESTMENTS – 2.6%		
Short-term funds – 2.6%		
John Hancock Collateral Trust, 5.1773% (K)(L)	984,458	9,839,463
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,840,312)		\$ 9,839,463
Total Investments (Strategic Income Opportunities Trust) (Cost \$401,060,761) – 99.5%		\$ 372,574,694
Other assets and liabilities, net – 0.5%		1,786,026
TOTAL NET ASSETS – 100.0%		\$ 374,360,720

Currency Abbreviations

Strategic Income Opportunities Trust (continued)

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CNY	Chinese Yuan Renminbi
EUR	Euro
GBP	Pound Sterling
IDR	Indonesian Rupiah
INR	Indian Rupee
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
MYR	Malaysian Ringgit
NOK	Norwegian Krone
NZD	New Zealand Dollar
PHP	Philippine Peso
SGD	Singapore Dollar

Security Abbreviations and Legend

CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
NIBOR	Norwegian Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	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. Rule 144A securities amounted to \$110,937,450 or 29.6% of the fund's net assets as of 6-30-23.
(B)	Security purchased or sold on a when-issued or delayed delivery basis.
(C)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(D)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(E)	All or a portion of this security is on loan as of 6-30-23.
(F)	Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
(G)	Term loans are variable rate obligations. The rate shown represents the rate at period end.
(H)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(I)	Non-income producing security.
(J)	For this type of option, notional amounts are equivalent to number of contracts.
(K)	The rate shown is the annualized seven-day yield as of 6-30-23.
(L)	Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$1,458,536.

DERIVATIVES

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
AUD 615,000	NZD 676,666	ANZ	9/20/2023	—	\$(4,570)
CAD 1,006,855	USD 759,546	HUS	9/20/2023	\$1,399	—
CAD 604,607	USD 455,728	MSCS	9/20/2023	1,213	—
EUR 307,500	CAD 447,244	HUS	9/20/2023	—	(1,185)
EUR 1,483,554	NOK 17,189,195	BARC	9/20/2023	19,320	—

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued) FORWARD FOREIGN CURRENCY CONTRACTS (continued)

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
EUR	111,267	NOK	1,284,739	CITI	9/20/2023	\$1,865	—
EUR	1,084,917	NOK	12,505,522	GSI	9/20/2023	20,188	—
EUR	4,563,843	NOK	53,329,212	JPM	9/20/2023	17,376	—
EUR	1,550,625	NOK	18,165,632	MSCS	9/20/2023	1,574	—
EUR	388,197	USD	427,339	SSB	9/20/2023	—	\$(2,119)
EUR	110,492	USD	121,172	UBS	9/20/2023	—	(141)
GBP	615,000	JPY	107,590,376	MSCS	9/20/2023	26,648	—
JPY	107,008,705	GBP	615,000	MSCS	9/20/2023	—	(30,728)
JPY	427,976,998	USD	3,081,250	BARC	9/20/2023	—	(79,701)
JPY	852,534,269	USD	6,162,500	CITI	9/20/2023	—	(183,387)
JPY	858,582,895	USD	6,170,000	HUS	9/20/2023	—	(148,466)
JPY	432,156,546	USD	3,083,125	JPM	9/20/2023	—	(52,264)
NOK	10,740,173	EUR	924,277	CITI	9/20/2023	—	(9,137)
NOK	55,259,694	EUR	4,696,070	GSI	9/20/2023	18,121	—
NOK	47,353,097	EUR	4,009,277	JPM	9/20/2023	31,824	—
NOK	10,849,309	EUR	928,793	MSCS	9/20/2023	—	(3,889)
NOK	10,821,260	EUR	928,793	RBC	9/20/2023	—	(6,509)
NOK	19,071,827	EUR	1,622,415	UBS	9/20/2023	4,440	—
SGD	13,071,129	USD	9,693,014	CIBC	9/20/2023	74	—
SGD	2,719,378	USD	2,021,422	MSCS	9/20/2023	—	(4,827)
SGD	2,711,665	USD	2,011,611	SSB	9/20/2023	—	(735)
USD	417,966	AUD	613,255	HUS	9/20/2023	8,565	—
USD	1,757,423	AUD	2,573,678	MSCS	9/20/2023	39,269	—
USD	5,824,160	AUD	8,563,871	SSB	9/20/2023	107,031	—
USD	1,248,811	AUD	1,838,341	UBS	9/20/2023	21,558	—
USD	1,801,399	BRL	8,905,578	CITI	9/20/2023	—	(33,044)
USD	475,332	CAD	626,108	BARC	9/20/2023	2,142	—
USD	6,826,791	CAD	9,048,992	CITI	9/20/2023	—	(12,118)
USD	1,901,329	CAD	2,497,399	HUS	9/20/2023	13,883	—
USD	855,598	CAD	1,125,593	JPM	9/20/2023	4,913	—
USD	380,266	CAD	500,073	UBS	9/20/2023	2,328	—
USD	13,016,953	EUR	11,986,255	BARC	9/20/2023	—	(112,464)
USD	1,984,684	EUR	1,820,467	JPM	9/20/2023	—	(9,406)
USD	3,373,321	EUR	3,085,000	MSCS	9/20/2023	—	(5,904)
USD	6,701,033	EUR	6,170,000	RBC	9/20/2023	—	(57,416)
USD	2,204,398	EUR	2,022,742	SSB	9/20/2023	—	(11,258)
USD	12,992,419	EUR	11,969,119	UBS	9/20/2023	—	(118,227)
USD	3,877,744	GBP	3,067,861	JPM	9/20/2023	—	(19,268)
USD	6,175,000	JPY	854,467,400	CITI	9/20/2023	182,333	—
USD	3,081,250	JPY	423,096,328	HUS	9/20/2023	113,931	—
USD	4,226,639	MXN	74,113,255	GSI	9/20/2023	—	(40,646)
USD	3,167,605	NOK	33,567,248	CITI	9/20/2023	31,930	—
USD	1,170,824	NZD	1,902,136	ANZ	9/20/2023	3,861	—
USD	1,173,152	NZD	1,902,136	BARC	9/20/2023	6,189	—
USD	1,172,952	NZD	1,902,136	HUS	9/20/2023	5,989	—
USD	3,267,781	NZD	5,311,339	JPM	9/20/2023	9,267	—
USD	699,713	NZD	1,134,148	SSB	9/20/2023	3,911	—
USD	4,060,270	SGD	5,433,289	CIBC	9/20/2023	31,135	—
USD	6,042,645	SGD	8,086,549	CITI	9/20/2023	45,946	—
USD	4,028,430	SGD	5,390,769	GSI	9/20/2023	30,827	—
USD	1,023,028	SGD	1,368,367	JPM	9/20/2023	8,295	—
USD	3,222,744	SGD	4,303,240	MSCS	9/20/2023	31,614	—
						\$848,959	\$(947,409)

John Hancock Variable Insurance Trust

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

Strategic Income Opportunities Trust (continued)

Derivatives Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
EUR	Euro
GBP	Pound Sterling
JPY	Japanese Yen
MXN	Mexican Peso
NOK	Norwegian Krone
NZD	New Zealand Dollar
SGD	Singapore Dollar
USD	U.S. Dollar

Derivatives Abbreviations

ANZ	Australia and New Zealand Banking Group Limited
BARC	Barclays Bank PLC
CIBC	Canadian Imperial Bank of Commerce
CITI	Citibank, N.A.
GSI	Goldman Sachs International
HUS	HSBC Bank USA, N.A.
JPM	JPMorgan Chase Bank, N.A.
MSCS	Morgan Stanley Capital Services LLC
OTC	Over-the-counter
RBC	Royal Bank of Canada
SSB	State Street Bank and Trust Company
UBS	UBS AG

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

Total Bond Market Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 67.6%		
U.S. Government – 40.4%		
U.S. Treasury Bonds		
1.250%, 05/15/2050	\$ 8,000,000	\$ 4,498,438
2.000%, 11/15/2041 to 08/15/2051	19,000,000	13,304,101
2.250%, 08/15/2049	2,000,000	1,453,047
2.750%, 08/15/2047	3,000,000	2,413,125
2.875%, 05/15/2049	1,500,000	1,239,785
3.000%, 02/15/2047 to 08/15/2052	26,635,000	22,480,801
3.375%, 08/15/2042	8,000,000	7,261,562
3.625%, 02/15/2053	5,000,000	4,798,438
3.875%, 02/15/2043	4,000,000	3,900,000
4.000%, 11/15/2052	6,000,000	6,163,125
4.250%, 05/15/2039 to 11/15/2040	4,610,000	4,815,752
4.375%, 05/15/2041	1,830,000	1,925,861
4.625%, 02/15/2040	5,000,000	5,452,344
4.750%, 02/15/2041	2,000,000	2,207,891
U.S. Treasury Notes		
0.250%, 07/31/2025 to 10/31/2025	16,000,000	14,469,844
0.375%, 09/15/2024 to 07/31/2027	3,800,000	3,424,922
0.500%, 10/31/2027	12,000,000	10,242,187
0.625%, 03/31/2027	6,000,000	5,238,281
0.750%, 03/31/2026	4,000,000	3,615,312
0.875%, 01/31/2024 to 09/30/2026	13,000,000	12,266,876
1.125%, 01/15/2025	20,000,000	18,807,812
1.250%, 08/31/2024	4,000,000	3,815,156
1.375%, 08/31/2026 to 11/15/2031	6,000,000	5,203,477
1.500%, 01/31/2027	30,000,000	27,174,602
1.750%, 12/31/2024 to 01/31/2029	34,000,000	30,389,063
2.125%, 05/31/2026	2,000,000	1,870,547
2.250%, 11/15/2027	20,595,000	18,969,121
2.375%, 05/15/2029	5,000,000	4,558,594
2.750%, 08/15/2032	5,000,000	4,583,789

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government (continued)		
U.S. Treasury Notes (continued)		
2.875%, 05/15/2028 to 05/15/2032	\$ 11,800,000	\$ 11,052,110
3.000%, 10/31/2025	2,000,000	1,923,594
3.125%, 08/31/2027	4,000,000	3,825,469
3.375%, 05/15/2033	5,000,000	4,821,875
3.500%, 04/30/2030	3,000,000	2,912,813
3.625%, 05/15/2026	4,000,000	3,902,500
3.875%, 09/30/2029	10,000,000	9,901,563
4.000%, 10/31/2029	15,000,000	14,960,742
4.125%, 09/30/2027 to 11/15/2032	25,000,000	25,001,172
4.250%, 09/30/2024 to 10/15/2025	24,000,000	23,706,719
4.375%, 10/31/2024	10,000,000	9,879,297
4.500%, 11/15/2025	10,000,000	9,948,047
		368,379,754
U.S. Government Agency – 26.3%		
Federal Home Loan Bank		
5.500%, 07/15/2036	1,690,000	1,906,728
Federal Home Loan Mortgage Corp.		
1.500%, 12/01/2036 to 03/01/2051	6,275,827	5,023,113
2.000%, 07/01/2035 to 05/01/2051	6,064,096	5,003,837
2.500%, 04/01/2031 to 04/01/2052	11,942,182	10,218,349
3.000%, 07/01/2032 to 03/01/2052	10,643,387	9,536,106
3.500%, 12/01/2025 to 07/01/2052	8,381,291	7,720,254
4.000%, 02/01/2024 to 09/01/2047	1,072,475	1,024,853
4.110%, (12 month LIBOR + 1.861%), 08/01/2037 (A)	355,863	361,817
4.500%, 05/01/2024 to 07/01/2052	5,364,438	5,206,695
5.000%, 04/01/2024 to 09/01/2039	144,800	144,740
5.500%, 04/01/2027 to 10/01/2052	1,663,492	1,662,582
6.000%, 10/01/2036 to 10/01/2038	122,213	125,896

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
6.250%, 07/15/2032	\$ 450,000	\$ 522,743
6.500%, 08/01/2037 to 08/01/2038	25,435	26,711
6.750%, 09/15/2029	1,200,000	1,369,150
7.000%, 04/01/2029 to 04/01/2032	8,366	8,663
7.500%, 09/01/2030 to 03/01/2032	4,037	4,264
8.000%, 02/01/2030	413	429
Federal National Mortgage Association		
0.500%, 06/17/2025	3,000,000	2,754,248
1.500%, 11/01/2036 to 02/01/2051	6,682,726	5,612,019
2.000%, 02/01/2035 to 02/01/2052	61,806,632	51,521,974
2.125%, 04/24/2026	2,000,000	1,870,279
2.500%, 05/01/2028 to 02/01/2052	35,962,728	31,038,153
2.625%, 09/06/2024	1,000,000	970,356
3.000%, 01/01/2027 to 03/01/2052	17,275,811	15,581,406
3.500%, 12/01/2025 to 02/01/2052	10,509,150	9,731,013
3.710%, (12 month LIBOR +		
1.335%), 01/01/2035 (A)	11,366	11,290
4.000%, 03/01/2024 to 06/01/2052	12,370,506	11,734,434
4.149%, (6 month LIBOR + 1.409%),		
07/01/2034 (A)	52,155	52,074
4.175%, (12 month LIBOR +		
1.925%), 10/01/2037 (A)	10,613	10,838
4.500%, 08/01/2024 to 09/01/2052	3,499,333	3,393,073
4.989%, (12 month LIBOR +		
1.585%), 09/01/2037 (A)	38,414	38,851
4.995%, (12 month LIBOR +		
1.843%), 04/01/2037 (A)	62,129	62,788
5.000%, 08/01/2023 to 08/01/2052	4,930,550	4,854,816
5.080%, (1 Year CMT + 2.185%),		
05/01/2036 (A)	38,359	39,045
5.500%, 01/01/2034 to 11/01/2038	270,256	274,213
6.000%, 08/01/2023 to 08/01/2038	178,750	183,210
6.500%, 07/01/2031 to 12/01/2037	76,003	79,303
7.000%, 02/01/2031 to 10/01/2038	34,342	36,207
7.125%, 01/15/2030	209,000	245,474
7.250%, 05/15/2030	1,450,000	1,722,009
7.500%, 09/01/2030 to 08/01/2031	12,482	13,072
8.000%, 08/01/2030 to 09/01/2031	2,107	2,203
8.500%, 09/01/2030	245	258
Government National		
Mortgage Association		
2.000%, 02/20/2051	11,569,945	9,744,442
2.500%, 08/20/2050 to 11/20/2051	13,758,331	11,957,802
3.000%, 08/15/2043 to 07/20/2051	11,131,452	10,039,938
3.500%, 04/15/2042 to 01/20/2052	9,158,148	8,526,479
4.000%, 11/15/2026 to 04/20/2049	3,738,422	3,585,301
4.500%, 08/15/2033 to 07/20/2052	3,642,828	3,529,283
5.000%, 10/15/2023 to 07/20/2040	422,341	421,214
5.500%, 08/15/2023 to 09/20/2039	176,841	178,938
6.000%, 07/15/2029 to 10/15/2038	133,694	136,803
6.500%, 05/15/2028 to 12/15/2038	105,258	109,471
7.000%, 08/15/2029 to 05/15/2032	15,443	15,768
7.500%, 09/15/2030 to 01/15/2031	4,482	4,647
		239,949,622
U.S. Government Agency – 0.9%		
Federal Home Loan Mortgage Corp.		
5.000%, 03/01/2053 to 05/01/2053	1,588,239	1,557,610
5.500%, 04/01/2053	1,960,809	1,954,126
6.000%, 03/01/2053	1,460,856	1,476,385
Federal National Mortgage Association		
5.500%, 05/01/2053	587,276	585,091

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Government National		
Mortgage Association		
4.000%, 02/20/2053	\$ 989,493	\$ 935,639
5.000%, 05/20/2053	997,924	980,592
5.500%, 01/20/2053	987,559	984,068
		8,473,511
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$674,790,263)		
		\$ 616,802,887
FOREIGN GOVERNMENT OBLIGATIONS – 1.0%		
Brazil – 0.2%		
Federative Republic of Brazil		
4.250%, 01/07/2025	1,612,000	1,581,978
Canada – 0.1%		
Province of British Columbia		
6.500%, 01/15/2026	490,000	506,948
Province of Quebec		
7.125%, 02/09/2024	150,000	151,237
7.500%, 07/15/2023	410,000	410,238
		1,068,423
Israel – 0.1%		
State of Israel		
5.500%, 09/18/2023	455,000	454,810
Italy – 0.1%		
Republic of Italy		
5.375%, 06/15/2033	1,000,000	996,467
6.875%, 09/27/2023	300,000	300,600
		1,297,067
Japan – 0.1%		
Japan Bank for International Cooperation		
2.500%, 05/23/2024	800,000	777,358
Mexico – 0.3%		
Government of Mexico		
3.750%, 01/11/2028	2,000,000	1,901,741
6.050%, 01/11/2040	930,000	940,266
		2,842,007
Panama – 0.1%		
Republic of Panama		
6.700%, 01/26/2036	370,000	395,515
Peru – 0.0%		
Republic of Peru		
6.550%, 03/14/2037	250,000	280,000
Turkey – 0.0%		
Republic of Turkey		
6.000%, 01/14/2041	400,000	293,694
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$9,591,092)		
		\$ 8,990,852
CORPORATE BONDS – 26.5%		
Communication services – 2.3%		
Alphabet, Inc.		
1.100%, 08/15/2030	300,000	242,691
2.050%, 08/15/2050	400,000	250,227
AT&T, Inc.		
2.550%, 12/01/2033	665,000	522,342
3.800%, 12/01/2057	609,000	440,914
4.750%, 05/15/2046	900,000	794,418
4.850%, 07/15/2045	500,000	442,537
5.150%, 03/15/2042	50,000	46,758
5.400%, 02/15/2034	1,000,000	1,001,718
6.375%, 03/01/2041	360,000	383,185
7.625%, 04/15/2031	285,000	321,506

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Baidu, Inc. 4.125%, 06/30/2025	\$ 250,000	\$ 241,292
British Telecommunications PLC 9.625%, 12/15/2030	190,000	233,770
Charter Communications Operating LLC 2.800%, 04/01/2031	600,000	482,796
5.050%, 03/30/2029	400,000	381,427
5.375%, 05/01/2047	500,000	413,278
Comcast Corp. 2.350%, 01/15/2027	455,000	417,766
2.887%, 11/01/2051	256,000	171,637
3.450%, 02/01/2050	500,000	380,532
3.999%, 11/01/2049	500,000	412,688
4.049%, 11/01/2052	1,000,000	830,665
4.600%, 10/15/2038	400,000	372,467
6.500%, 11/15/2035	52,000	58,215
Deutsche Telekom International Finance BV 8.750%, 06/15/2030	146,000	174,847
Discovery Communications LLC 4.125%, 05/15/2029	900,000	821,338
5.300%, 05/15/2049	400,000	331,467
Fox Corp. 3.500%, 04/08/2030	600,000	538,400
Grupo Televisa SAB 6.625%, 01/15/2040	220,000	228,199
Meta Platforms, Inc. 4.950%, 05/15/2033	700,000	699,458
Paramount Global 4.000%, 01/15/2026	600,000	571,128
Rogers Communications, Inc. 4.500%, 03/15/2042 (B)	700,000	581,071
TCI Communications, Inc. 7.125%, 02/15/2028	110,000	119,912
Telefonica Emisiones SA 7.045%, 06/20/2036	230,000	250,825
Telefonica Europe BV 8.250%, 09/15/2030	350,000	404,433
The Walt Disney Company 2.650%, 01/13/2031	400,000	348,255
Time Warner Cable Enterprises LLC 8.375%, 07/15/2033	525,000	576,698
T-Mobile USA, Inc. 3.000%, 02/15/2041	400,000	292,443
3.875%, 04/15/2030	600,000	552,761
4.500%, 04/15/2050	700,000	600,632
5.750%, 01/15/2054	700,000	722,914
TWDC Enterprises 18 Corp. 3.150%, 09/17/2025	500,000	480,064
4.125%, 06/01/2044	500,000	439,364
Verizon Communications, Inc. 1.680%, 10/30/2030	400,000	315,793
2.875%, 11/20/2050	500,000	325,744
4.016%, 12/03/2029	500,000	468,142
4.272%, 01/15/2036	458,000	412,950
4.522%, 09/15/2048	1,260,000	1,108,783
Vodafone Group PLC 4.375%, 05/30/2028 (C)	400,000	391,101
5.250%, 05/30/2048	300,000	281,769
		20,881,320
Consumer discretionary – 1.6%		
Amazon.com, Inc. 2.100%, 05/12/2031	400,000	336,403
2.500%, 06/03/2050	800,000	531,993
4.050%, 08/22/2047	600,000	538,176

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Amazon.com, Inc. (continued) 4.700%, 12/01/2032	\$ 700,000	\$ 705,754
American Honda Finance Corp. 1.800%, 01/13/2031	600,000	485,851
AutoZone, Inc. 3.250%, 04/15/2025	1,000,000	957,040
Booking Holdings, Inc. 3.550%, 03/15/2028	300,000	281,843
Choice Hotels International, Inc. 3.700%, 01/15/2031	200,000	169,035
D.R. Horton, Inc. 1.400%, 10/15/2027	200,000	171,533
Expedia Group, Inc. 3.250%, 02/15/2030	300,000	261,105
General Motors Company 5.400%, 04/01/2048	300,000	257,745
General Motors Financial Company, Inc. 2.400%, 10/15/2028	300,000	254,009
3.100%, 01/12/2032	350,000	283,081
5.250%, 03/01/2026	650,000	640,152
Lennar Corp. 4.750%, 11/29/2027	300,000	291,076
Lowe's Companies, Inc. 3.375%, 09/15/2025	460,000	440,614
3.750%, 04/01/2032	700,000	633,552
McDonald's Corp. 3.300%, 07/01/2025	1,000,000	964,005
NIKE, Inc. 2.400%, 03/27/2025	1,000,000	956,329
Starbucks Corp. 3.550%, 08/15/2029	300,000	279,660
The Home Depot, Inc. 2.700%, 04/15/2030	700,000	621,909
3.350%, 09/15/2025	752,000	725,616
4.250%, 04/01/2046	390,000	345,717
5.875%, 12/16/2036	280,000	304,830
The TJX Companies, Inc. 3.875%, 04/15/2030	600,000	572,326
4.500%, 04/15/2050	600,000	561,988
Toll Brothers Finance Corp. 3.800%, 11/01/2029	200,000	179,117
Toyota Motor Credit Corp. 1.150%, 08/13/2027	500,000	432,230
1.900%, 09/12/2031	700,000	563,093
3.050%, 01/11/2028	300,000	277,920
Whirlpool Corp. 5.150%, 03/01/2043	300,000	266,010
		14,289,712
Consumer staples – 1.6%		
Altria Group, Inc. 3.400%, 02/04/2041	400,000	279,186
4.500%, 05/02/2043	500,000	397,625
Anheuser-Busch Companies LLC 3.650%, 02/01/2026	800,000	774,853
4.900%, 02/01/2046	500,000	477,895
Anheuser-Busch InBev Worldwide, Inc. 4.500%, 06/01/2050	400,000	368,858
4.750%, 01/23/2029	500,000	497,828
BAT Capital Corp. 2.726%, 03/25/2031	600,000	477,889
3.215%, 09/06/2026	500,000	464,706
Constellation Brands, Inc. 4.500%, 05/09/2047	350,000	302,691
Costco Wholesale Corp. 1.600%, 04/20/2030	500,000	416,257

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Diageo Capital PLC		
2.000%, 04/29/2030	\$ 300,000	\$ 252,813
General Mills, Inc.		
2.875%, 04/15/2030	600,000	532,830
Kellogg Company		
3.250%, 04/01/2026	400,000	380,617
Kenvue, Inc.		
4.900%, 03/22/2033 (B)	500,000	505,908
Keurig Dr. Pepper, Inc.		
4.597%, 05/25/2028	500,000	489,175
Kimberly-Clark Corp.		
3.200%, 07/30/2046	300,000	224,776
Kraft Heinz Foods Company		
3.000%, 06/01/2026	458,000	432,161
6.875%, 01/26/2039	40,000	45,079
Mondelez International, Inc.		
4.625%, 05/07/2048	300,000	264,479
PepsiCo, Inc.		
2.850%, 02/24/2026	495,000	471,559
4.000%, 03/05/2042	270,000	242,142
5.500%, 01/15/2040	280,000	303,063
Philip Morris International, Inc.		
3.600%, 11/15/2023	250,000	248,122
6.375%, 05/16/2038	300,000	327,584
SC Johnson & Son, Inc.		
4.000%, 05/15/2043 (B)	250,000	205,391
Sysco Corp.		
6.600%, 04/01/2050	1,000,000	1,139,855
Target Corp.		
3.900%, 11/15/2047	500,000	423,279
The Coca-Cola Company		
2.125%, 09/06/2029	400,000	350,687
2.500%, 06/01/2040	400,000	301,262
The Estee Lauder Companies, Inc.		
2.600%, 04/15/2030	600,000	524,895
The Kroger Company		
3.500%, 02/01/2026	500,000	478,784
The Procter & Gamble Company		
3.600%, 03/25/2050	600,000	507,478
Tyson Foods, Inc.		
4.350%, 03/01/2029 (C)	400,000	380,565
Walmart, Inc.		
3.250%, 07/08/2029	600,000	561,677
4.050%, 06/29/2048	500,000	460,949
		14,512,918
Energy – 1.8%		
Anadarko Petroleum Corp.		
6.450%, 09/15/2036	280,000	279,759
Baker Hughes Holdings LLC		
3.337%, 12/15/2027	500,000	463,223
4.486%, 05/01/2030	500,000	482,371
Boardwalk Pipelines LP		
4.950%, 12/15/2024	400,000	393,475
BP Capital Markets America, Inc.		
3.796%, 09/21/2025	800,000	779,809
Canadian Natural Resources, Ltd.		
6.250%, 03/15/2038	290,000	295,197
Cenovus Energy, Inc.		
4.250%, 04/15/2027	300,000	286,861
Chevron Corp.		
2.954%, 05/16/2026	800,000	761,463
Devon Energy Corp.		
5.000%, 06/15/2045	885,000	767,318
7.875%, 09/30/2031	170,000	192,913

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Enbridge, Inc.		
3.700%, 07/15/2027	\$ 400,000	\$ 377,599
4.500%, 06/10/2044	400,000	332,962
5.700%, 03/08/2033	700,000	709,612
Energy Transfer LP		
5.500%, 06/01/2027	600,000	596,748
6.125%, 12/15/2045	350,000	332,520
6.500%, 02/01/2042	50,000	50,637
Enterprise Products Operating LLC		
3.200%, 02/15/2052	700,000	491,652
4.850%, 08/15/2042	280,000	256,714
6.875%, 03/01/2033	130,000	146,302
Exxon Mobil Corp.		
2.995%, 08/16/2039	400,000	317,119
3.482%, 03/19/2030	700,000	656,545
Kinder Morgan Energy Partners LP		
4.300%, 05/01/2024	700,000	690,549
6.375%, 03/01/2041	60,000	60,174
6.500%, 09/01/2039	180,000	184,077
Kinder Morgan, Inc.		
5.550%, 06/01/2045	375,000	345,477
MPLX LP		
4.800%, 02/15/2029	400,000	385,747
ONEOK Partners LP		
6.650%, 10/01/2036	268,000	275,059
Ovintiv, Inc.		
6.500%, 08/15/2034	270,000	270,581
Petroleos Mexicanos		
6.625%, 06/15/2035	230,000	160,386
6.700%, 02/16/2032	173,000	131,541
Phillips 66 Company		
3.750%, 03/01/2028	200,000	187,439
Plains All American Pipeline LP		
4.900%, 02/15/2045	500,000	402,490
Shell International Finance BV		
4.375%, 05/11/2045	1,000,000	901,349
6.375%, 12/15/2038	90,000	100,862
Suncor Energy, Inc.		
5.950%, 05/15/2035	235,000	226,556
Targa Resources Partners LP		
4.000%, 01/15/2032	500,000	432,215
The Williams Companies, Inc.		
3.500%, 11/15/2030	400,000	357,581
5.100%, 09/15/2045	400,000	359,741
Tosco Corp.		
8.125%, 02/15/2030	383,000	445,560
TotalEnergies Capital International SA		
3.700%, 01/15/2024	500,000	494,312
TransCanada PipeLines, Ltd.		
5.850%, 03/15/2036	405,000	404,145
Valero Energy Corp.		
2.850%, 04/15/2025	600,000	569,391
7.500%, 04/15/2032	270,000	304,456
		16,660,487
Financials – 8.4%		
American Express Company		
4.420%, (4.420% to 8-3-32, then SOFR + 1.760%), 08/03/2033	1,000,000	943,599
American International Group, Inc.		
4.125%, 02/15/2024	550,000	544,820
6.250%, 05/01/2036	430,000	445,118
Ameriprise Financial, Inc.		
5.150%, 05/15/2033	700,000	695,015
Arch Capital Finance LLC		
4.011%, 12/15/2026	400,000	381,699

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Ares Capital Corp. 3.875%, 01/15/2026	\$ 1,000,000	\$ 927,115
Banco Santander SA 1.722%, (1.722% to 9-14-26, then 1 Year CMT + 0.900%), 09/14/2027	700,000	607,748
Bank of America Corp. 3.366%, (3.366% to 1-23-25, then 3 month CME Term SOFR + 1.072%), 01/23/2026	1,700,000	1,628,791
3.419%, (3.419% to 12-20-27, then 3 month CME Term SOFR + 1.302%), 12/20/2028	1,312,000	1,203,135
3.970%, (3.970% to 3-5-28, then 3 month CME Term SOFR + 1.332%), 03/05/2029	500,000	468,115
3.974%, (3.974% to 2-7-29, then 3 month CME Term SOFR + 1.472%), 02/07/2030	2,000,000	1,851,719
4.443%, (4.443% to 1-20-47, then 3 month CME Term SOFR + 2.252%), 01/20/2048	500,000	442,602
4.450%, 03/03/2026	700,000	680,349
7.750%, 05/14/2038	480,000	569,689
Barclays PLC 4.375%, 01/12/2026	500,000	480,291
7.437%, (7.437% to 11-2-32, then 1 Year CMT + 3.500%), 11/02/2033	700,000	757,323
Berkshire Hathaway Finance Corp. 4.400%, 05/15/2042	600,000	571,380
Berkshire Hathaway, Inc. 3.125%, 03/15/2026	500,000	481,635
Capital One Financial Corp. 3.200%, 02/05/2025	2,000,000	1,902,132
3.300%, 10/30/2024	1,500,000	1,441,238
Chubb INA Holdings, Inc. 3.350%, 05/03/2026	300,000	288,224
Citigroup, Inc. 1.462%, (1.462% to 6-9-26, then SOFR + 0.770%), 06/09/2027	600,000	532,849
2.666%, (2.666% to 1-29-30, then SOFR + 1.146%), 01/29/2031	1,000,000	846,493
3.300%, 04/27/2025	600,000	577,283
4.281%, (4.281% to 4-24-47, then 3 month CME Term SOFR + 2.101%), 04/24/2048	500,000	429,771
4.450%, 09/29/2027	500,000	477,414
4.658%, (4.658% to 5-24-27, then SOFR + 1.887%), 05/24/2028	1,000,000	975,062
5.500%, 09/13/2025	400,000	397,685
Deutsche Bank AG 2.129%, (2.129% to 11-24-25, then SOFR + 1.870%), 11/24/2026	600,000	533,833
European Investment Bank 2.500%, 10/15/2024	1,500,000	1,447,477
3.250%, 01/29/2024	600,000	592,476
4.875%, 02/15/2036	1,000,000	1,072,539
Fifth Third Bank NA 2.250%, 02/01/2027	500,000	437,481
Fiserv, Inc. 2.250%, 06/01/2027	600,000	538,813
Five Corners Funding Trust II 2.850%, 05/15/2030 (B)(C)	800,000	679,559
GE Capital International Funding Company 4.418%, 11/15/2035	822,000	776,580

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Global Payments, Inc. 4.450%, 06/01/2028	\$ 400,000	\$ 375,303
HSBC Holdings PLC 2.848%, (2.848% to 6-4-30, then SOFR + 2.387%), 06/04/2031	1,000,000	829,547
4.583%, (4.583% to 6-19-28, then 3 month CME Term SOFR + 1.796%), 06/19/2029	1,000,000	941,081
6.500%, 09/15/2037	660,000	691,159
Inter-American Development Bank 1.125%, 01/13/2031	2,000,000	1,617,462
2.000%, 07/23/2026	1,000,000	925,817
7.000%, 06/15/2025	325,000	335,960
Intercontinental Exchange, Inc. 3.100%, 09/15/2027 (C)	400,000	373,728
4.600%, 03/15/2033	500,000	484,605
International Bank for Reconstruction & Development 0.750%, 11/24/2027	1,000,000	858,586
0.875%, 07/15/2026	1,000,000	895,596
JPMorgan Chase & Co. 2.522%, (2.522% to 4-22-30, then SOFR + 2.040%), 04/22/2031	1,000,000	845,845
3.300%, 04/01/2026	700,000	666,874
3.509%, (3.509% to 1-23-28, then 3 month CME Term SOFR + 0.945%), 01/23/2029	500,000	462,189
3.540%, (3.540% to 5-1-27, then 3 month CME Term SOFR + 1.642%), 05/01/2028	700,000	654,392
3.875%, 02/01/2024	1,300,000	1,287,244
4.452%, (4.452% to 12-5-28, then 3 month CME Term SOFR + 1.592%), 12/05/2029	600,000	574,972
4.851%, (4.851% to 7-25-27, then SOFR + 1.990%), 07/25/2028	1,000,000	986,604
6.400%, 05/15/2038	125,000	139,468
KeyBank NA 5.000%, 01/26/2033	500,000	432,729
KfW 2.625%, 02/28/2024	800,000	784,865
Liberty Mutual Group, Inc. 3.950%, 05/15/2060 (B)	500,000	353,640
Lincoln National Corp. 3.625%, 12/12/2026	500,000	464,941
7.000%, 06/15/2040	150,000	156,785
Lloyds Banking Group PLC 2.438%, (2.438% to 2-5-25, then 1 Year CMT + 1.000%), 02/05/2026	900,000	847,319
Mastercard, Inc. 2.000%, 11/18/2031	350,000	288,972
2.950%, 11/21/2026	300,000	283,418
MetLife, Inc. 4.600%, 05/13/2046	500,000	451,833
Mitsubishi UFJ Financial Group, Inc. 1.538%, (1.538% to 7-20-26, then 1 Year CMT + 0.750%), 07/20/2027	1,600,000	1,412,104
Mizuho Financial Group, Inc. 1.234%, (1.234% to 5-22-26, then 1 Year CMT + 0.670%), 05/22/2027	800,000	702,912
Morgan Stanley 1.512%, (1.512% to 7-20-26, then SOFR + 0.858%), 07/20/2027	500,000	442,984
3.622%, (3.622% to 4-1-30, then SOFR + 3.120%), 04/01/2031	1,000,000	901,091

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Morgan Stanley (continued)		
3.700%, 10/23/2024	\$ 950,000	\$ 927,376
3.772%, (3.772% to 1-24-28, then 3 month CME Term SOFR + 1.402%), 01/24/2029	550,000	513,466
5.164%, (5.164% to 4-20-28, then SOFR + 1.590%), 04/20/2029	1,000,000	987,786
6.296%, (6.296% to 10-18-27, then SOFR + 2.240%), 10/18/2028	1,000,000	1,027,550
Nasdaq, Inc.		
1.650%, 01/15/2031 (C)	500,000	388,072
National Rural Utilities Cooperative Finance Corp.		
4.023%, 11/01/2032	700,000	643,365
Nomura Holdings, Inc.		
3.103%, 01/16/2030	1,000,000	852,264
PayPal Holdings, Inc.		
2.300%, 06/01/2030	600,000	508,655
2.850%, 10/01/2029	1,000,000	886,748
Raymond James Financial, Inc.		
4.950%, 07/15/2046	600,000	541,116
Royal Bank of Canada		
2.300%, 11/03/2031	800,000	649,745
S&P Global, Inc.		
2.900%, 03/01/2032	600,000	520,050
State Street Corp.		
5.159%, (5.159% to 5-18-33, then SOFR + 1.890%), 05/18/2034	700,000	695,811
Stifel Financial Corp.		
4.250%, 07/18/2024	500,000	489,445
Sumitomo Mitsui Financial Group, Inc.		
3.364%, 07/12/2027	900,000	839,828
3.784%, 03/09/2026	550,000	525,694
The Allstate Corp.		
3.280%, 12/15/2026	500,000	470,539
The Bank of New York Mellon Corp.		
3.250%, 05/16/2027	800,000	748,151
The Bank of Nova Scotia		
4.850%, 02/01/2030	700,000	675,309
The Charles Schwab Corp.		
3.200%, 01/25/2028	300,000	272,358
The Goldman Sachs Group, Inc.		
2.600%, 02/07/2030	700,000	596,174
3.102%, (3.102% to 2-24-32, then SOFR + 1.410%), 02/24/2033	1,000,000	844,753
3.500%, 01/23/2025	750,000	723,659
3.750%, 02/25/2026	500,000	479,911
4.482%, (4.482% to 8-23-27, then SOFR + 1.725%), 08/23/2028	1,000,000	966,816
The Hartford Financial Services Group, Inc.		
5.950%, 10/15/2036	170,000	174,033
The PNC Financial Services Group, Inc.		
3.450%, 04/23/2029	1,000,000	900,357
4.758%, (4.758% to 1-26-26, then SOFR + 1.085%), 01/26/2027	500,000	488,662
The Toronto-Dominion Bank		
2.000%, 09/10/2031	800,000	634,814
The Travelers Companies, Inc.		
4.050%, 03/07/2048	300,000	251,247
Travelers Property Casualty Corp.		
7.750%, 04/15/2026	50,000	53,166
Truist Financial Corp.		
1.125%, 08/03/2027	700,000	589,357
2.850%, 10/26/2024	700,000	671,930

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
U.S. Bancorp		
2.375%, 07/22/2026	\$ 1,000,000	\$ 913,359
UBS Group AG		
4.550%, 04/17/2026	800,000	768,933
Visa, Inc.		
2.050%, 04/15/2030	600,000	513,862
3.150%, 12/14/2025	463,000	443,800
4.300%, 12/14/2045	463,000	429,560
Wells Fargo & Company		
2.572%, (2.572% to 2-11-30, then 3 month CME Term SOFR + 1.262%), 02/11/2031	2,000,000	1,693,379
3.000%, 10/23/2026	1,000,000	928,264
3.350%, (3.350% to 3-2-32, then SOFR + 1.500%), 03/02/2033	1,000,000	855,854
Westpac Banking Corp.		
1.150%, 06/03/2026	800,000	712,492
		76,894,787
Health care – 3.0%		
Abbott Laboratories		
2.950%, 03/15/2025	300,000	290,299
3.750%, 11/30/2026	283,000	275,911
AbbVie, Inc.		
3.200%, 05/14/2026 to 11/21/2029	1,716,000	1,582,874
4.400%, 11/06/2042	260,000	232,820
Aetna, Inc.		
3.500%, 11/15/2024	200,000	193,744
Allergan Funding SCS		
4.750%, 03/15/2045	321,000	250,648
Amgen, Inc.		
4.400%, 05/01/2045	260,000	225,189
4.663%, 06/15/2051	659,000	590,152
5.250%, 03/02/2033	1,000,000	1,001,276
AstraZeneca PLC		
0.700%, 04/08/2026	500,000	446,696
Baxalta, Inc.		
4.000%, 06/23/2025	500,000	485,066
Baxter International, Inc.		
3.950%, 04/01/2030	500,000	461,253
Bayer US Finance II LLC		
2.850%, 04/15/2025 (B)	300,000	282,852
Becton, Dickinson and Company		
4.685%, 12/15/2044	400,000	362,634
Biogen, Inc.		
3.250%, 02/15/2051	561,000	391,623
Boston Scientific Corp.		
2.650%, 06/01/2030	500,000	435,635
Bristol-Myers Squibb Company		
3.250%, 08/01/2042	500,000	389,644
4.550%, 02/20/2048	300,000	279,774
Cardinal Health, Inc.		
3.750%, 09/15/2025	500,000	481,595
Centene Corp.		
4.250%, 12/15/2027	700,000	654,469
CVS Health Corp.		
3.875%, 07/20/2025	650,000	631,730
4.300%, 03/25/2028	389,000	375,159
5.050%, 03/25/2048	500,000	460,871
5.875%, 06/01/2053	366,000	375,316
CVS Pass-Through Trust		
8.353%, 07/10/2031 (B)	57,432	61,831
DH Europe Finance II Sarl		
3.250%, 11/15/2039	300,000	243,852
Dignity Health		
4.500%, 11/01/2042	300,000	265,151

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Elevance Health, Inc.		
4.101%, 03/01/2028	\$ 350,000	\$ 335,951
4.650%, 08/15/2044	150,000	134,690
6.100%, 10/15/2052	333,000	364,793
Eli Lilly & Company		
2.250%, 05/15/2050	500,000	325,944
Evernorth Health, Inc.		
6.125%, 11/15/2041	330,000	351,304
Gilead Sciences, Inc.		
3.650%, 03/01/2026	600,000	577,207
GlaxoSmithKline Capital, Inc.		
3.625%, 05/15/2025	500,000	486,019
6.375%, 05/15/2038	210,000	239,299
HCA, Inc.		
4.500%, 02/15/2027	500,000	482,334
5.500%, 06/15/2047	400,000	376,756
Humana, Inc.		
3.850%, 10/01/2024	350,000	341,806
Johnson & Johnson		
2.100%, 09/01/2040	500,000	352,247
5.850%, 07/15/2038	285,000	317,958
Laboratory Corp. of America Holdings		
2.950%, 12/01/2029	500,000	438,141
Medtronic, Inc.		
4.375%, 03/15/2035	500,000	480,398
Merck & Company, Inc.		
2.750%, 02/10/2025	850,000	818,078
Novartis Capital Corp.		
3.000%, 11/20/2025	500,000	478,270
Pfizer Investment Enterprises Pte, Ltd.		
5.300%, 05/19/2053	1,000,000	1,039,681
Pfizer, Inc.		
2.750%, 06/03/2026	713,000	673,771
4.400%, 05/15/2044	264,000	250,446
Quest Diagnostics, Inc.		
4.200%, 06/30/2029	500,000	482,731
4.700%, 03/30/2045	500,000	439,160
Regeneron Pharmaceuticals, Inc.		
2.800%, 09/15/2050	1,000,000	643,945
Stryker Corp.		
4.625%, 03/15/2046	350,000	325,343
The Cigna Group		
4.375%, 10/15/2028	500,000	483,476
Thermo Fisher Scientific, Inc.		
2.000%, 10/15/2031	400,000	326,335
UnitedHealth Group, Inc.		
2.300%, 05/15/2031	500,000	422,776
2.900%, 05/15/2050	400,000	278,794
4.375%, 03/15/2042	50,000	45,277
4.450%, 12/15/2048	300,000	273,314
5.350%, 02/15/2033	700,000	727,374
5.800%, 03/15/2036	300,000	320,694
Utah Acquisition Sub, Inc.		
3.950%, 06/15/2026	500,000	474,893
Viatis, Inc.		
2.700%, 06/22/2030	500,000	404,615
Zimmer Biomet Holdings, Inc.		
3.050%, 01/15/2026	500,000	472,296
Zoetis, Inc.		
2.000%, 05/15/2030	500,000	417,227
		27,131,407
Industrials – 2.3%		
3M Company		
3.000%, 08/07/2025	330,000	315,028

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
AerCap Ireland Capital DAC		
3.300%, 01/30/2032	\$ 500,000	\$ 409,049
4.450%, 04/03/2026	400,000	381,909
5.750%, 06/06/2028 (C)	1,000,000	991,728
Air Lease Corp.		
3.125%, 12/01/2030	600,000	499,817
3.625%, 12/01/2027	400,000	364,919
American Airlines 2016-2 Class AA Pass Through Trust		
3.200%, 06/15/2028	209,100	187,809
Automatic Data Processing, Inc.		
3.375%, 09/15/2025	752,000	727,072
Burlington Northern Santa Fe LLC		
4.400%, 03/15/2042	50,000	45,281
Canadian Pacific Railway Company		
2.875%, 11/15/2029	500,000	441,415
Carrier Global Corp.		
3.577%, 04/05/2050	500,000	369,498
Caterpillar, Inc.		
3.250%, 04/09/2050	400,000	314,780
3.400%, 05/15/2024	500,000	490,891
CSX Corp.		
3.350%, 11/01/2025	420,000	401,064
3.800%, 04/15/2050	1,000,000	797,508
Deere & Company		
3.100%, 04/15/2030	500,000	457,091
Delta Air Lines 2019-1 Class AA Pass Through Trust		
3.204%, 04/25/2024	200,000	195,948
Equifax, Inc.		
3.100%, 05/15/2030	1,200,000	1,034,829
FedEx Corp.		
3.875%, 08/01/2042	420,000	338,606
4.400%, 01/15/2047	350,000	295,922
General Dynamics Corp.		
3.625%, 04/01/2030	500,000	470,961
General Electric Company		
4.500%, 03/11/2044	500,000	442,213
6.750%, 03/15/2032	66,000	74,497
6.875%, 01/10/2039	168,000	201,169
Honeywell International, Inc.		
1.950%, 06/01/2030	500,000	420,171
John Deere Capital Corp.		
2.050%, 01/09/2025	500,000	476,074
Johnson Controls, Inc.		
5.700%, 03/01/2041	150,000	136,305
L3Harris Technologies, Inc.		
2.900%, 12/15/2029	300,000	259,623
Lockheed Martin Corp.		
3.800%, 03/01/2045	400,000	337,034
Norfolk Southern Corp.		
4.837%, 10/01/2041	240,000	221,990
Northrop Grumman Corp.		
3.250%, 01/15/2028	300,000	279,774
4.400%, 05/01/2030	200,000	194,725
Precision Castparts Corp.		
3.250%, 06/15/2025	500,000	482,976
Raytheon Technologies Corp.		
4.625%, 11/16/2048	500,000	466,471
6.125%, 07/15/2038	225,000	242,357
Republic Services, Inc.		
2.375%, 03/15/2033	400,000	325,366
Southwest Airlines Company		
5.250%, 05/04/2025	1,200,000	1,187,193

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Stanley Black & Decker, Inc.		
2.750%, 11/15/2050	\$ 300,000	\$ 178,309
The Boeing Company		
2.600%, 10/30/2025	438,000	407,425
2.950%, 02/01/2030	400,000	347,666
3.750%, 02/01/2050	400,000	300,426
5.805%, 05/01/2050	600,000	597,811
8.750%, 09/15/2031	90,000	107,333
Thomson Reuters Corp.		
4.500%, 05/23/2043	250,000	199,482
Trane Technologies Global Holding Company, Ltd.		
4.300%, 02/21/2048	600,000	515,903
Union Pacific Corp.		
3.250%, 08/15/2025	500,000	480,718
3.799%, 10/01/2051 to 04/06/2071	1,113,000	866,594
United Airlines 2016-2 Class AA Pass Through Trust		
2.875%, 10/07/2028	212,778	187,404
United Parcel Service, Inc.		
3.400%, 03/15/2029	400,000	377,391
Verisk Analytics, Inc.		
4.125%, 03/15/2029	600,000	572,742
Waste Management, Inc.		
2.500%, 11/15/2050	300,000	191,684
		20,609,951
Information technology – 1.8%		
Apple, Inc.		
1.650%, 05/11/2030	900,000	757,703
2.450%, 08/04/2026	1,060,000	992,269
3.250%, 02/23/2026	500,000	481,515
4.100%, 08/08/2062	700,000	612,744
Applied Materials, Inc.		
3.900%, 10/01/2025	470,000	459,565
5.100%, 10/01/2035	470,000	476,317
Broadcom, Inc.		
2.600%, 02/15/2033 (B)	1,000,000	781,493
3.137%, 11/15/2035 (B)	600,000	460,227
4.300%, 11/15/2032	700,000	642,096
Cisco Systems, Inc.		
5.900%, 02/15/2039	80,000	88,497
Dell International LLC		
5.300%, 10/01/2029	600,000	595,625
Eaton Corp.		
3.103%, 09/15/2027	500,000	468,966
Hewlett Packard Enterprise Company		
6.200%, 10/15/2035	400,000	418,962
HP, Inc.		
6.000%, 09/15/2041	500,000	505,580
IBM Corp.		
3.450%, 02/19/2026	1,115,000	1,065,947
4.000%, 06/20/2042	210,000	177,359
5.600%, 11/30/2039	21,000	21,563
Intel Corp.		
2.000%, 08/12/2031 (C)	500,000	408,452
5.200%, 02/10/2033	1,000,000	1,009,478
Microsoft Corp.		
2.525%, 06/01/2050	1,538,000	1,063,905
3.125%, 11/03/2025	438,000	421,616
NVIDIA Corp.		
2.000%, 06/15/2031	400,000	335,006
NXP BV		
3.400%, 05/01/2030	520,000	460,079
Oracle Corp.		
2.400%, 09/15/2023	435,000	431,989

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Oracle Corp. (continued)		
2.650%, 07/15/2026	\$ 310,000	\$ 286,588
2.875%, 03/25/2031	400,000	341,485
2.950%, 05/15/2025	550,000	524,588
4.000%, 11/15/2047	400,000	307,954
4.125%, 05/15/2045	500,000	391,817
Qualcomm, Inc.		
1.650%, 05/20/2032	566,000	446,660
Roper Technologies, Inc.		
4.200%, 09/15/2028	500,000	479,740
Salesforce, Inc.		
2.700%, 07/15/2041	400,000	293,882
Texas Instruments, Inc.		
3.875%, 03/15/2039	200,000	179,167
VMware, Inc.		
1.800%, 08/15/2028	400,000	335,259
Xerox Corp.		
6.750%, 12/15/2039	60,000	44,865
		16,768,958
Materials – 0.7%		
Air Products and Chemicals, Inc.		
1.850%, 05/15/2027	500,000	449,731
Avery Dennison Corp.		
2.650%, 04/30/2030	400,000	336,433
DuPont de Nemours, Inc.		
5.319%, 11/15/2038	400,000	396,324
Eastman Chemical Company		
4.650%, 10/15/2044	500,000	421,455
Glencore Funding LLC		
2.625%, 09/23/2031 (B)	500,000	402,521
Huntsman International LLC		
4.500%, 05/01/2029	500,000	457,277
International Paper Company		
5.000%, 09/15/2035	500,000	481,174
LYB International Finance II BV		
3.500%, 03/02/2027	400,000	378,295
Martin Marietta Materials, Inc.		
2.400%, 07/15/2031	300,000	244,816
Newmont Corp.		
4.875%, 03/15/2042	270,000	250,451
Nucor Corp.		
2.700%, 06/01/2030	300,000	260,219
Potash Corp. of Saskatchewan, Inc.		
5.625%, 12/01/2040	150,000	139,786
Rio Tinto Alcan, Inc.		
6.125%, 12/15/2033	100,000	108,027
Rio Tinto Finance USA PLC		
4.750%, 03/22/2042	270,000	255,694
Rio Tinto Finance USA, Ltd.		
5.200%, 11/02/2040	250,000	252,129
Teck Resources, Ltd.		
6.250%, 07/15/2041	270,000	272,294
The Dow Chemical Company		
4.375%, 11/15/2042	590,000	496,979
9.400%, 05/15/2039	130,000	174,627
The Sherwin-Williams Company		
3.450%, 06/01/2027	300,000	282,767
Vale Overseas, Ltd.		
6.875%, 11/10/2039	350,000	366,352
Vulcan Materials Company		
3.500%, 06/01/2030	300,000	271,030
		6,698,381
Real estate – 0.9%		
Alexandria Real Estate Equities, Inc.		
1.875%, 02/01/2033	400,000	292,311

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
American Tower Corp. 5.000%, 02/15/2024	\$ 500,000	\$ 497,073
AvalonBay Communities, Inc. 2.050%, 01/15/2032 (C)	400,000	319,877
Boston Properties LP 2.550%, 04/01/2032	500,000	376,792
Brixmor Operating Partnership LP 4.125%, 05/15/2029	700,000	624,397
Crown Castle, Inc. 2.500%, 07/15/2031	300,000	246,454
	400,000	379,956
CubeSmart LP 4.000%, 11/15/2025	200,000	189,732
Digital Realty Trust LP 4.450%, 07/15/2028	200,000	187,213
Duke Realty LP 3.250%, 06/30/2026	200,000	182,710
Equinix, Inc. 2.150%, 07/15/2030	400,000	323,260
Essex Portfolio LP 3.000%, 01/15/2030	400,000	341,919
Extra Space Storage LP 2.350%, 03/15/2032	500,000	390,728
GLP Capital LP 5.300%, 01/15/2029	600,000	571,292
Healthpeak OP LLC 3.500%, 07/15/2029	400,000	358,683
Mid-America Apartments LP 3.950%, 03/15/2029	800,000	753,061
Service Properties Trust 4.500%, 03/15/2025	200,000	188,928
Simon Property Group LP 3.375%, 06/15/2027	500,000	464,978
	441,500	422,985
Sun Communities Operating LP 5.700%, 01/15/2033	1,000,000	974,001
Welltower OP LLC 2.750%, 01/15/2031	500,000	412,486
		8,498,836
Utilities – 2.1%		
AEP Transmission Company LLC 3.750%, 12/01/2047	400,000	319,138
Ameren Corp. 3.500%, 01/15/2031	1,000,000	892,376
American Water Capital Corp. 4.300%, 09/01/2045	350,000	300,998
Arizona Public Service Company 3.350%, 05/15/2050	500,000	344,845
Baltimore Gas and Electric Company 4.550%, 06/01/2052	700,000	622,473
Berkshire Hathaway Energy Company 4.500%, 02/01/2045	500,000	427,525
	436,000	454,909
CenterPoint Energy, Inc. 2.950%, 03/01/2030	700,000	609,387
Consolidated Edison Company of New York, Inc. 3.950%, 04/01/2050	700,000	572,018
Constellation Energy Generation LLC 6.250%, 10/01/2039	160,000	165,940
Dominion Energy, Inc. 3.375%, 04/01/2030	600,000	536,671
	242,000	233,117
Duke Energy Carolinas LLC 6.000%, 01/15/2038	200,000	209,479

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
Duke Energy Corp. 3.750%, 04/15/2024	\$ 500,000	\$ 492,898
	500,000	447,946
	600,000	548,482
Entergy Texas, Inc. 1.750%, 03/15/2031	700,000	552,779
Essential Utilities, Inc. 4.276%, 05/01/2049	500,000	404,943
Eversource Energy 4.250%, 04/01/2029	500,000	476,313
Exelon Corp. 3.400%, 04/15/2026	542,000	514,958
Florida Power & Light Company 5.650%, 02/01/2037	290,000	304,076
Georgia Power Company 5.950%, 02/01/2039	335,000	335,966
Indiana Michigan Power Company 3.850%, 05/15/2028	600,000	567,983
	187,000	196,113
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	700,000	582,204
	700,000	673,871
NiSource, Inc. 3.950%, 03/30/2048	400,000	320,980
	1,000,000	1,000,669
Oncor Electric Delivery Company LLC 7.500%, 09/01/2038	188,000	228,376
Pacific Gas & Electric Company 2.500%, 02/01/2031	600,000	469,730
	30,000	28,325
	30,000	26,879
	227,000	205,441
	827,000	649,534
PacifiCorp 6.000%, 01/15/2039	335,000	328,059
Public Service Company of Colorado 3.600%, 09/15/2042	500,000	395,547
Public Service Electric & Gas Company 3.000%, 05/15/2025	250,000	238,887
San Diego Gas & Electric Company 6.125%, 09/15/2037	202,000	206,215
Southern California Edison Company 2.250%, 06/01/2030	700,000	585,103
	130,000	126,900
Southern California Gas Company 6.350%, 11/15/2052	500,000	553,834
The Southern Company 3.250%, 07/01/2026	572,000	538,025
	500,000	427,595
Virginia Electric & Power Company 8.875%, 11/15/2038	190,000	252,597
Xcel Energy, Inc. 3.300%, 06/01/2025	400,000	382,509
		18,752,613
TOTAL CORPORATE BONDS (Cost \$263,332,783)		\$ 241,699,370
MUNICIPAL BONDS – 0.4%		
Bay Area Toll Authority (California) 6.907%, 10/01/2050	50,000	63,880
Illinois State Toll Highway Authority 6.184%, 01/01/2034	150,000	163,144
Maryland State Transportation Authority 5.888%, 07/01/2043	60,000	63,935

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
Metropolitan Washington Airports Authority 7.462%, 10/01/2046	\$ 40,000	\$ 51,318
New Jersey Turnpike Authority 7.102%, 01/01/2041	90,000	109,642
New York State Dormitory Authority 5.628%, 03/15/2039	340,000	354,167
New York State Urban Development Corp. 5.770%, 03/15/2039	300,000	313,845
State of California, GO 7.300%, 10/01/2039	400,000	482,990
7.500%, 04/01/2034	80,000	97,415
State of Illinois, GO 5.100%, 06/01/2033	115,000	113,011
7.350%, 07/01/2035	260,000	280,210
State of Texas, GO 5.517%, 04/01/2039	260,000	278,605
State of Utah, GO 3.539%, 07/01/2025	286,286	280,802
4.554%, 07/01/2024	95,000	94,179
State of Washington, GO 5.481%, 08/01/2039	260,000	273,313
Texas Transportation Commission State Highway Fund 5.178%, 04/01/2030	310,000	313,834
University of California 5.770%, 05/15/2043	320,000	346,049
TOTAL MUNICIPAL BONDS (Cost \$3,507,676)		\$ 3,680,339
COLLATERALIZED MORTGAGE OBLIGATIONS – 2.0%		
Commercial and residential – 1.8%		
Banc of America Commercial Mortgage Trust Series 2015-UBS7, Class A4 3.705%, 09/15/2048	145,000	137,441
BANK		
Series 2017-BNK6, Class A4, 3.254%, 07/15/2060	2,000,000	1,835,125
Series 2022-BNK39, Class A4, 2.928%, 02/15/2055	2,000,000	1,669,727
BMO Mortgage Trust		
Series 2022-C1, Class A5 3.374%, 02/15/2055 (D)	2,000,000	1,729,717
CD Mortgage Trust		
Series 2017-CD3, Class A4 3.631%, 02/10/2050	1,090,000	991,741
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2014-CR14, Class A3, 3.955%, 02/10/2047	1,000,000	993,045
Series 2014-CR21, Class A3, 3.528%, 12/10/2047	590,943	566,724
Series 2015-CR27, Class A4, 3.612%, 10/10/2048	1,000,000	942,556
GS Mortgage Securities Trust		
Series 2016-GS4, Class A3, 3.178%, 11/10/2049	2,846,635	2,629,290
Series 2017-GS5, Class A3, 3.409%, 03/10/2050	2,742,204	2,477,381
JPMorgan Chase Commercial Mortgage Securities Trust		
Series 2013-C16, Class A4 4.166%, 12/15/2046	500,000	497,297
Morgan Stanley Capital Trust		
Series 2021-L5, Class A4 2.728%, 05/15/2054	2,000,000	1,653,429

Total Bond Market Trust (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Wells Fargo Commercial Mortgage Trust Series 2015-C29, Class AS 4.013%, 06/15/2048 (D)	\$ 500,000	\$ 471,590
		16,595,063
U.S. Government Agency – 0.2%		
Federal Home Loan Mortgage Corp.		
Series K041, Class A2, 3.171%, 10/25/2024	700,000	679,499
Series K047, Class A2, 3.329%, 05/25/2025 (D)	700,000	674,464
Series K050, Class A2, 3.334%, 08/25/2025 (D)	700,000	673,960
		2,027,923
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$20,606,194)		
		\$ 18,622,986
ASSET BACKED SECURITIES – 0.5%		
Carmax Auto Owner Trust		
Series 2022-4, Class A4 5.700%, 07/17/2028	1,000,000	1,006,920
GM Financial Automobile Leasing Trust		
Series 2023-2, Class A4 5.090%, 05/20/2027	1,300,000	1,285,537
SMB Private Education Loan Trust		
Series 2021-E, Class A1A 1.680%, 02/15/2051 (B)	1,248,983	1,111,809
Toyota Auto Receivables Owner Trust		
Series 2023-B, Class A4 4.660%, 09/15/2028	1,250,000	1,233,353
TOTAL ASSET BACKED SECURITIES (Cost \$4,802,855)		
		\$ 4,637,619
SHORT-TERM INVESTMENTS – 1.2%		
Short-term funds – 1.2%		
John Hancock Collateral Trust, 5.1773% (E)(F)	1,041,600	10,410,583
TOTAL SHORT-TERM INVESTMENTS (Cost \$10,410,972)		
		\$ 10,410,583
Total Investments (Total Bond Market Trust) (Cost \$987,041,835) – 99.2%		
		\$ 904,844,636
Other assets and liabilities, net – 0.8%		
		7,550,042
TOTAL NET ASSETS – 100.0%		
		\$ 912,394,678

Security Abbreviations and Legend

CME	Chicago Mercantile Exchange
CMT	Constant Maturity Treasury
GO	General Obligation
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(B)	These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.
(C)	All or a portion of this security is on loan as of 6-30-23.
(D)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(E)	The rate shown is the annualized seven-day yield as of 6-30-23.

John Hancock Variable Insurance Trust

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

Total Bond Market Trust (continued)

(F) Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$802,486.

Ultra Short Term Bond Trust

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 0.6%		
U.S. Government Agency – 0.6%		
Federal Home Loan Mortgage Corp. 3.697%, (12 month LIBOR + 1.447%), 06/01/2036 (A)	\$ 14,556	\$ 14,735
3.815%, (6 month LIBOR + 1.565%), 12/01/2036 (A)	20,229	20,280
4.072%, (1 Year CMT + 2.075%), 12/01/2035 (A)	84,175	85,343
4.175%, (12 month LIBOR + 1.641%), 09/01/2043 (A)	180,270	180,029
4.290%, (12 month LIBOR + 1.600%), 02/01/2036 (A)	38,332	38,613
4.295%, (1 Year CMT + 2.295%), 08/01/2035 (A)	56,811	58,154
4.486%, (12 month LIBOR + 1.586%), 05/01/2037 (A)	49,323	49,442
5.077%, (1 Year CMT + 2.165%), 11/01/2036 (A)	59,496	60,103
5.341%, (1 Year CMT + 2.231%), 05/01/2034 (A)	87,445	88,972
6.165%, (6 month LIBOR + 1.515%), 12/01/2035 (A)	27,326	27,622
Federal National Mortgage Association 3.828%, (12 month LIBOR + 1.295%), 10/01/2038 (A)	27,030	26,981
3.877%, (12 month LIBOR + 1.451%), 04/01/2035 (A)	201,280	201,486
4.273%, (1 Year CMT + 2.148%), 01/01/2036 (A)	29,751	30,257
4.328%, (1 Year CMT + 2.194%), 02/01/2035 (A)	95,955	97,547
4.403%, (1 Year CMT + 2.195%), 05/01/2036 (A)	128,837	131,227
4.456%, (1 Year CMT + 2.168%), 01/01/2036 (A)	85,682	86,979
4.736%, (1 Year CMT + 2.333%), 05/01/2034 (A)	41,229	41,990
4.832%, (12 month LIBOR + 1.560%), 07/01/2035 (A)	112,083	112,996
4.846%, (1 Year CMT + 2.273%), 07/01/2035 (A)	67,516	68,739
6.147%, (6 month LIBOR + 1.512%), 02/01/2035 (A)	43,678	44,261
6.341%, (6 month LIBOR + 1.486%), 10/01/2035 (A)	77,455	79,144
Government National Mortgage Association 2.625%, (1 Year CMT + 1.500%), 08/20/2032 (A)	87,417	84,772
		1,629,672
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$1,691,656)		\$ 1,629,672
CORPORATE BONDS – 62.8%		
Communication services – 1.7%		
AT&T, Inc. 0.900%, 03/25/2024	1,445,000	1,395,652

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Comcast Corp. 3.950%, 10/15/2025	\$ 2,000,000	\$ 1,949,685
Warnermedia Holdings, Inc. 3.638%, 03/15/2025	1,111,000	1,071,586
		4,416,923
Consumer discretionary – 9.5%		
Amazon.com, Inc. 0.450%, 05/12/2024	4,455,000	4,271,137
2.730%, 04/13/2024	2,000,000	1,957,981
American Honda Finance Corp. 0.650%, 09/08/2023	2,000,000	1,981,876
3.550%, 01/12/2024	2,000,000	1,978,046
BMW US Capital LLC 2.800%, 04/11/2026 (B)	3,000,000	2,829,299
Booking Holdings, Inc. 3.650%, 03/15/2025	2,000,000	1,941,780
General Motors Financial Company, Inc. 5.100%, 01/17/2024	2,000,000	1,992,670
Hyundai Capital America 0.800%, 01/08/2024 (B)	3,000,000	2,921,318
Nissan Motor Acceptance Company LLC 3.875%, 09/21/2023 (B)	1,500,000	1,491,595
Toyota Motor Credit Corp. 3.350%, 01/08/2024	3,360,000	3,320,752
		24,686,454
Consumer staples – 2.7%		
Anheuser-Busch Companies LLC 3.650%, 02/01/2026	2,000,000	1,937,134
Dollar Tree, Inc. 4.000%, 05/15/2025	2,906,000	2,813,125
Kenvue, Inc. 5.500%, 03/22/2025 (B)	1,000,000	1,002,458
Walmart, Inc. 2.850%, 07/08/2024	1,370,000	1,335,868
		7,088,585
Energy – 3.6%		
Energy Transfer LP 4.500%, 11/01/2023	3,000,000	2,987,785
Enterprise Products Operating LLC 3.900%, 02/15/2024	2,000,000	1,978,015
MPLX LP 4.875%, 06/01/2025	1,500,000	1,471,773
The Williams Companies, Inc. 4.500%, 11/15/2023	3,000,000	2,987,166
		9,424,739
Financials – 27.4%		
Ally Financial, Inc. 3.875%, 05/21/2024	2,000,000	1,953,403
American Express Company 3.400%, 02/22/2024	3,000,000	2,955,326
Athene Global Funding 0.950%, 01/08/2024 (B)	3,000,000	2,911,050
Bank of America Corp. 4.000%, 04/01/2024	2,000,000	1,976,608
5.469%, (1 month SOFR + 0.410%), 06/14/2024 (A)	2,855,000	2,850,727
Bank of Montreal 2.150%, 03/08/2024	3,000,000	2,928,692
Barclays PLC 3.932%, (3.932% to 5-7-24, then 3 month LIBOR + 1.610%), 05/07/2025	2,000,000	1,954,532
Blackstone Private Credit Fund 7.050%, 09/29/2025	2,000,000	1,994,814

John Hancock Variable Insurance Trust

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

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Brighthouse Financial Global Funding 5.767%, (SOFR + 0.760%), 04/12/2024 (A)(B)	\$ 2,000,000	\$ 1,983,571
Capital One Financial Corp. 3.750%, 04/24/2024	3,176,000	3,107,811
Citigroup, Inc. 3.352%, (3.352% to 4-24-24, then 3 month CME Term SOFR + 1.158%), 04/24/2025	3,000,000	2,932,704
Citizens Bank NA 6.064%, (6.064% to 10-24-24, then SOFR + 1.450%), 10/24/2025	1,333,000	1,263,318
Discover Bank 4.250%, 03/13/2026	2,000,000	1,890,402
Fifth Third Bancorp 3.650%, 01/25/2024	3,000,000	2,957,187
Five Corners Funding Trust 4.419%, 11/15/2023 (B)	3,000,000	2,967,040
JPMorgan Chase & Co. 3.900%, 07/15/2025	3,000,000	2,924,463
5.546%, (5.546% to 12-15-24, then SOFR + 1.070%), 12/15/2025	1,750,000	1,742,606
Morgan Stanley 2.188%, (2.188% to 4-28-25, then SOFR + 1.990%), 04/28/2026	2,000,000	1,877,416
3.875%, 04/29/2024	2,000,000	1,970,695
Royal Bank of Canada 5.660%, 10/25/2024	2,000,000	1,999,192
Santander Holdings USA, Inc. 3.244%, 10/05/2026	3,000,000	2,701,055
The Bank of New York Mellon Corp. 3.450%, 08/11/2023	3,000,000	2,992,805
The Goldman Sachs Group, Inc. 1.217%, 12/06/2023	3,000,000	2,942,242
The Toronto-Dominion Bank 0.450%, 09/11/2023	2,000,000	1,980,236
1.200%, 06/03/2026	2,000,000	1,778,547
UBS Group AG 1.008%, (1.008% to 7-30-23, then 1 Year CMT + 0.830%), 07/30/2024 (B)	3,000,000	2,987,511
Visa, Inc. 3.150%, 12/14/2025	3,000,000	2,875,591
Wells Fargo & Company 3.300%, 09/09/2024	2,765,000	2,693,558
3.750%, 01/24/2024	3,000,000	2,965,407
		71,058,509
Health care – 7.3%		
AbbVie, Inc. 3.200%, 05/14/2026	3,000,000	2,843,286
Boston Scientific Corp. 1.900%, 06/01/2025	1,000,000	937,273
Bristol-Myers Squibb Company 3.200%, 06/15/2026	3,000,000	2,871,049
CVS Health Corp. 5.000%, 02/20/2026	3,000,000	2,986,071
HCA, Inc. 5.875%, 02/15/2026	2,000,000	2,001,265
Pfizer Investment Enterprises Pte, Ltd. 4.450%, 05/19/2026	3,000,000	2,963,705
The Cigna Group 0.613%, 03/15/2024	3,000,000	2,896,310
UnitedHealth Group, Inc. 3.500%, 02/15/2024	1,360,000	1,344,204
		18,843,163

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials – 2.9%		
3M Company 3.000%, 08/07/2025	\$ 3,000,000	\$ 2,863,889
AerCap Ireland Capital DAC 3.150%, 02/15/2024	2,000,000	1,961,958
Daimler Truck Finance North America LLC 5.200%, 01/17/2025 (B)	875,000	867,959
The Boeing Company 1.433%, 02/04/2024	2,000,000	1,946,815
		7,640,621
Information technology – 3.0%		
Apple, Inc. 0.700%, 02/08/2026	1,000,000	901,474
2.850%, 05/11/2024	2,000,000	1,956,875
NXP BV 4.875%, 03/01/2024	3,000,000	2,978,523
VMware, Inc. 0.600%, 08/15/2023	2,000,000	1,987,983
		7,824,855
Materials – 2.2%		
Georgia-Pacific LLC 0.625%, 05/15/2024 (B)	3,000,000	2,878,046
Graphic Packaging International LLC 0.821%, 04/15/2024 (B)	3,000,000	2,878,496
		5,756,542
Real estate – 0.4%		
Realty Income Corp. 5.050%, 01/13/2026	1,143,000	1,132,918
Utilities – 2.1%		
Alexander Funding Trust 1.841%, 11/15/2023 (B)	3,000,000	2,934,223
NextEra Energy Capital Holdings, Inc. 4.450%, 06/20/2025	2,500,000	2,452,444
		5,386,667
TOTAL CORPORATE BONDS (Cost \$166,378,723)		\$ 163,259,976
COLLATERALIZED MORTGAGE OBLIGATIONS – 0.2%		
Commercial and residential – 0.0%		
COLT Mortgage Loan Trust Series 2020-3, Class A1 1.506%, 04/27/2065 (B)(C)	153,945	142,469
U.S. Government Agency – 0.2%		
Federal National Mortgage Association Series 2013-10, Class FT (1 month LIBOR + 0.350%) 5.500%, 04/25/2042 (A)	466,370	455,711
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$621,333)		\$ 598,180
ASSET BACKED SECURITIES – 16.8%		
American Express Credit Account Master Trust Series 2022-3, Class A 3.750%, 08/15/2027	2,000,000	1,939,008
AmeriCredit Automobile Receivables Trust Series 2020-1, Class C 1.590%, 10/20/2025	2,726,939	2,676,390
Series 2022-1, Class A3 2.450%, 11/18/2026	1,000,000	967,816

John Hancock Variable Insurance Trust

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

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Avis Budget Rental Car Funding AESOP LLC Series 2019-3A, Class A 2.360%, 03/20/2026 (B)	\$ 3,000,000	\$ 2,832,555
BA Credit Card Trust Series 2021-A1, Class A1 0.440%, 09/15/2026	3,753,000	3,604,592
Capital One Multi-Asset Execution Trust Series 2023-A1, Class A 4.420%, 05/15/2028	2,000,000	1,965,391
Carvana Auto Receivables Trust Series 2021-N4, Class A1 0.830%, 09/11/2028	387,789	378,342
Series 2022-P1, Class A2 2.570%, 05/12/2025	580,877	577,802
Series 2022-P3, Class A3 4.610%, 11/10/2027	1,000,000	971,051
CCG Receivables Trust Series 2021-1, Class A2 0.300%, 06/14/2027 (B)	575,929	562,696
Chesapeake Funding II LLC Series 2020-1A, Class A1 0.870%, 08/15/2032 (B)	152,634	151,870
CNH Equipment Trust Series 2020-A, Class A3 1.160%, 06/16/2025	245,192	242,297
Enterprise Fleet Funding LLC Series 2021-1, Class A2 0.440%, 12/21/2026 (B)	433,360	424,250
Flagship Credit Auto Trust Series 2018-2, Class D 4.230%, 09/16/2024 (B)	242,268	242,016
GM Financial Consumer Automobile Receivables Trust Series 2020-1, Class A4 1.900%, 03/17/2025	448,990	446,168
Series 2021-1, Class A3 0.350%, 10/16/2025	863,012	841,488
GreatAmerica Leasing Receivables Funding LLC Series 2021-2, Class A2 0.380%, 03/15/2024 (B)	250,212	248,907
Series 2022-1, Class A3 5.080%, 09/15/2026 (B)	1,500,000	1,482,547
Harley-Davidson Motorcycle Trust Series 2021-B, Class A3 0.560%, 11/16/2026	1,308,487	1,260,896
Honda Auto Receivables Owner Trust Series 2020-3, Class A3 0.370%, 10/18/2024	577,848	569,842
Series 2021-1, Class A3 0.270%, 04/21/2025	440,710	430,366
HPEFS Equipment Trust Series 2022-1A, Class A2 1.020%, 05/21/2029 (B)	772,937	769,304
Hyundai Auto Lease Securitization Trust Series 2021-B, Class A3 0.330%, 06/17/2024 (B)	909,804	904,783
Series 2022-C, Class A3 4.380%, 10/15/2025 (B)	900,000	886,618
John Deere Owner Trust Series 2023-A, Class A2 5.280%, 03/16/2026	3,000,000	2,989,305
MMAF Equipment Finance LLC Series 2019-A, Class A4 2.930%, 03/10/2026 (B)	130,844	129,984

Ultra Short Term Bond Trust (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
MMAF Equipment Finance LLC (continued) Series 2019-B, Class A3 2.010%, 12/12/2024 (B)	\$ 36,132	\$ 35,681
Series 2022-B, Class A2 5.570%, 09/09/2025 (B)	300,000	298,336
PFS Financing Corp. Series 2020-G, Class A 0.970%, 02/15/2026 (B)	3,000,000	2,902,533
Santander Consumer Auto Receivables Trust Series 2021-AA, Class A3 0.330%, 10/15/2025 (B)	614,335	607,995
Santander Drive Auto Receivables Trust Series 2021-3, Class C 0.950%, 09/15/2027	1,675,217	1,640,848
Santander Retail Auto Lease Trust Series 2020-B, Class A3 0.570%, 04/22/2024 (B)	436,358	434,903
Series 2022-A, Class A3 1.340%, 07/21/2025 (B)	2,000,000	1,925,757
Series 2022-B, Class A2 2.840%, 05/20/2025 (B)	748,584	740,581
SCF Equipment Leasing LLC Series 2019-2A, Class A2 2.470%, 04/20/2026 (B)	331,291	329,883
Series 2021-1A, Class A3 0.830%, 08/21/2028 (B)	605,666	590,833
T-Mobile US Trust Series 2022-1A, Class A 4.910%, 05/22/2028 (B)	1,500,000	1,482,132
Verizon Owner Trust Series 2020-A, Class B 1.980%, 07/22/2024	9,538	9,521
Series 2020-B, Class A 0.470%, 02/20/2025	413,302	410,419
Series 2020-C, Class A 0.410%, 04/21/2025	57,897	57,274
World Omni Auto Receivables Trust Series 2021-D, Class A3 0.810%, 10/15/2026	1,500,000	1,437,578
World Omni Automobile Lease Securitization Trust Series 2022-A, Class A3 3.210%, 02/18/2025	2,115,000	2,075,339
TOTAL ASSET BACKED SECURITIES (Cost \$44,138,645)		\$ 43,475,897
SHORT-TERM INVESTMENTS – 19.4%		
U.S. Government – 17.7%		
U.S. Treasury Bill 4.821%, 07/11/2023 *	17,197,000	17,177,997
5.020%, 08/17/2023 *	14,756,000	14,660,787
5.024%, 07/25/2023 *	14,140,000	14,096,794
		45,935,578
Short-term funds – 1.7%		
John Hancock Collateral Trust, 5.1773% (D)(E)	437,145	4,369,178
TOTAL SHORT-TERM INVESTMENTS (Cost \$50,295,263)		\$ 50,304,756
Total Investments (Ultra Short Term Bond Trust) (Cost \$263,125,620) – 99.8%		\$ 259,268,481
Other assets and liabilities, net – 0.2%		580,364
TOTAL NET ASSETS – 100.0%		\$ 259,848,845

Security Abbreviations and Legend

CME Chicago Mercantile Exchange

John Hancock Variable Insurance Trust

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

Ultra Short Term Bond Trust (continued)

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
(A)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(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. Rule 144A securities amounted to \$46,779,199 or 18.0% of the fund's net assets as of 6-30-23.
(C)	Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
(D)	The rate shown is the annualized seven-day yield as of 6-30-23.
(E)	Investment is an affiliate of the fund, the advisor and/or subadvisor.
*	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.